

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052219\
 Data File : VW010500.D
 Acq On : 22 May 2019 10:20
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/23/2019 11:42:03 AM

Quant Time: May 23 07:05:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	154653	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	262333	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	229437	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	110365	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	73334	45.94	ug/l	0.00
Spiked Amount			Recovery	=	91.88%	
35) Dibromofluoromethane	7.88	113	78929	49.59	ug/l	0.00
Spiked Amount			Recovery	=	99.18%	
50) Toluene-d8	10.32	98	303595	49.93	ug/l	0.00
Spiked Amount			Recovery	=	99.86%	
62) 4-Bromofluorobenzene	12.62	95	113612	46.91	ug/l	0.00
Spiked Amount			Recovery	=	93.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	71438	51.860	ug/l	99
3) Chloromethane	2.21	50	80976	49.835	ug/l	100
4) Vinyl Chloride	2.36	62	86943	46.193	ug/l	98
5) Bromomethane	2.77	94	75036	57.951	ug/l	95
6) Chloroethane	2.92	64	57563	47.642	ug/l	99
7) Trichlorofluoromethane	3.26	101	147449	53.063	ug/l	95
8) Diethyl Ether	3.68	74	41874	47.538	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	89424	52.256	ug/l	99
10) Methyl Iodide	4.28	142	95348	48.747	ug/l	99
11) Tert butyl alcohol	5.19	59	25740	179.268	ug/l	100
12) 1,1-Dichloroethene	4.04	96	86048	52.676	ug/l	97
13) Acrolein	3.90	56	20907	249.878	ug/l	99
14) Allyl chloride	4.67	41	120951	51.152	ug/l	99
15) Acrylonitrile	5.37	53	80423	218.009	ug/l	97
16) Acetone	4.14	43	72564	222.701	ug/l	100
17) Carbon Disulfide	4.38	76	252807	51.885	ug/l	99
18) Methyl Acetate	4.67	43	31653	39.720	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	201895	48.481	ug/l	95
20) Methylene Chloride	4.92	84	86029	44.433	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	97546	52.060	ug/l	99
22) Diisopropyl ether	6.31	45	238449	49.181	ug/l	98
23) Vinyl Acetate	6.26	43	700262	241.789	ug/l	99
24) 1,1-Dichloroethane	6.21	63	149645	51.721	ug/l	99
25) 2-Butanone	7.17	43	104888	224.936	ug/l	98
26) 2,2-Dichloropropane	7.17	77	147326	53.456	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	106667	52.363	ug/l	98
28) Bromochloromethane	7.51	49	53207	51.363	ug/l	94
29) Tetrahydrofuran	7.53	42	64314	203.825	ug/l	98
30) Chloroform	7.68	83	162730	52.143	ug/l	97
31) Cyclohexane	7.95	56	150477	49.650	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	156648	52.516	ug/l	99
36) 1,1-Dichloropropene	8.09	75	130480	53.393	ug/l	99
37) Ethyl Acetate	7.25	43	46116	44.376	ug/l	98
38) Carbon Tetrachloride	8.07	117	143361	54.382	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	176306	53.849	ug/l	98
40) Benzene	8.32	78	358351	52.758	ug/l	99
41) Methacrylonitrile	7.48	41	28994	46.956	ug/l	94
42) 1,2-Dichloroethane	8.40	62	97040	49.987	ug/l	99
43) Isopropyl Acetate	8.42	43	92585	44.596	ug/l	98
44) Trichloroethene	9.09	130	108907	54.008	ug/l	100
45) 1,2-Dichloropropane	9.37	63	82881	51.378	ug/l	97
46) Dibromomethane	9.46	93	47374	50.216	ug/l	98
47) Bromodichloromethane	9.65	83	123658	52.160	ug/l	99
48) Methyl methacrylate	9.43	41	45037	47.418	ug/l	93
49) 1,4-Dioxane	9.46	88	12446	807.596	ug/l #	81
51) 4-Methyl-2-Pentanone	10.21	43	227392	216.150	ug/l	99
52) Toluene	10.39	92	243258	53.328	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	120396	50.143	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	142449	51.948	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	66950	49.350	ug/l	98
56) Ethyl methacrylate	10.65	69	86525	46.245	ug/l	99
57) 1,3-Dichloropropane	10.93	76	113442	49.921	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	184335	222.431	ug/l	98
59) 2-Hexanone	10.97	43	172088	229.314	ug/l	100
60) Dibromochloromethane	11.13	129	88202	51.371	ug/l	99
61) 1,2-Dibromoethane	11.24	107	67828	49.356	ug/l	100
64) Tetrachloroethene	10.86	164	85946	53.737	ug/l	97
65) Chlorobenzene	11.66	112	260569	53.288	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	94260	53.812	ug/l	99
67) Ethyl Benzene	11.73	91	458850	53.150	ug/l	100
68) m/p-Xylenes	11.84	106	359139	106.059	ug/l	100
69) o-Xylene	12.16	106	169725	52.903	ug/l	99
70) Styrene	12.18	104	287470	52.810	ug/l	99
71) Bromoform	12.35	173	48106	49.871	ug/l #	99
73) Isopropylbenzene	12.46	105	462554	52.816	ug/l	100
74) N-amyl acetate	12.27	43	86153	42.928	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	73988	46.448	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	51267m	45.763	ug/l	
77) Bromobenzene	12.75	156	102465	52.282	ug/l	98
78) n-propylbenzene	12.80	91	535464	52.465	ug/l	100
79) 2-Chlorotoluene	12.90	91	304936	51.520	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	391509	52.783	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	24815	46.229	ug/l	99
82) 4-Chlorotoluene	12.99	91	318607	51.861	ug/l	99
83) tert-Butylbenzene	13.21	119	338017	52.170	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	383320	51.888	ug/l	99
85) sec-Butylbenzene	13.38	105	477014	52.609	ug/l	100
86) p-Isopropyltoluene	13.50	119	429034	52.277	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	199183	51.802	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	202385	52.461	ug/l	99
89) n-Butylbenzene	13.83	91	405883	51.995	ug/l	100
90) Hexachloroethane	14.10	117	84869	53.427	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	180910	51.637	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	12600	42.539	ug/l	97

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VSTDCCC050

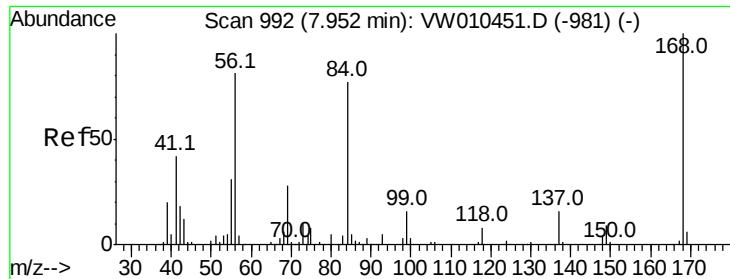
Manual Integrations
APPROVED

MMDadoda
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	120345	50.486	ug/l	99
94) Hexachlorobutadiene	15.24	225	66840	52.487	ug/l	99
95) Naphthalene	15.37	128	230347	46.034	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	102786	50.112	ug/l	99

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



#1

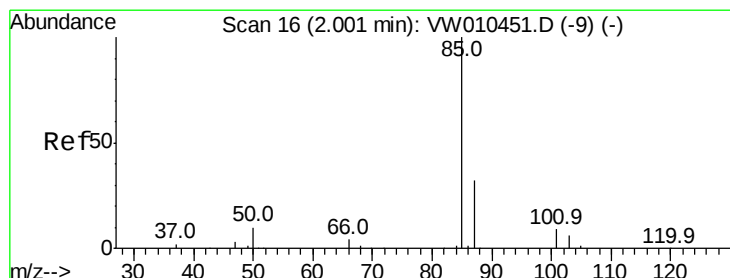
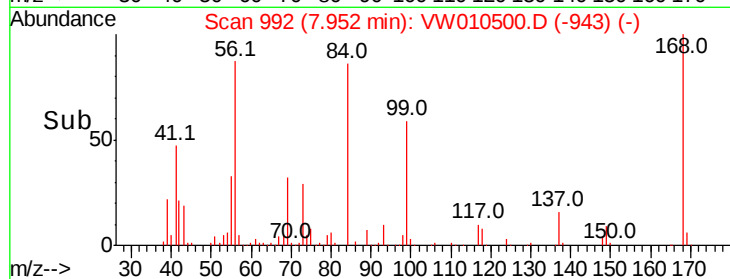
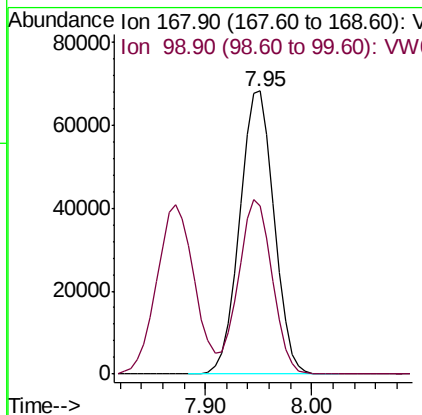
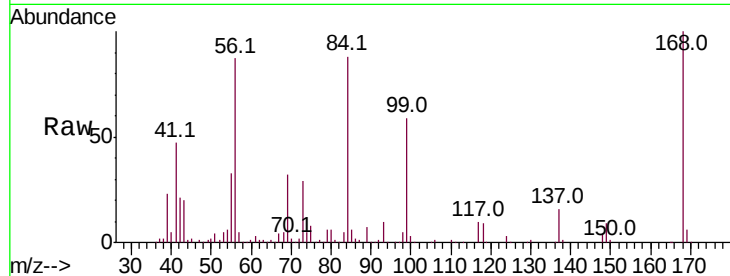
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.00 min
 Lab File: VW010500.D
 Acq: 22 May 2019 10:20

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 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
168	100	154653		
99	59.3	46.1	69.1	

Manual Integrations
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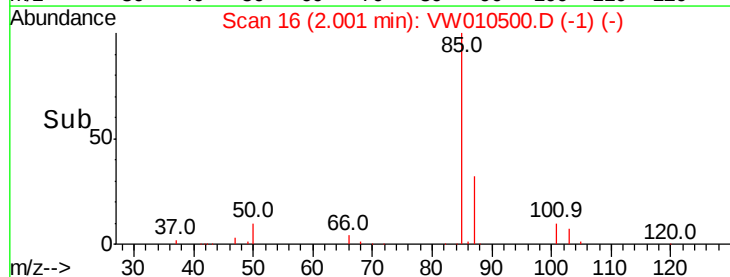
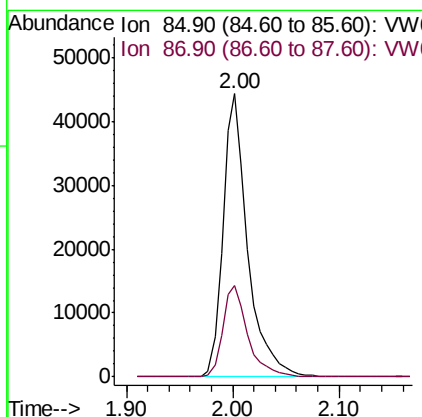
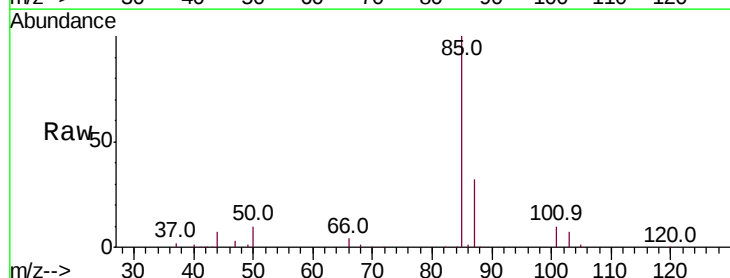
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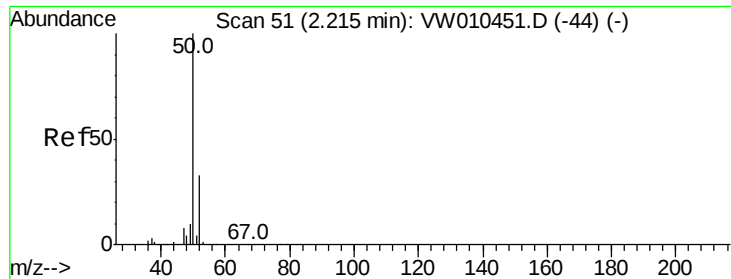


#2

Dichlorodifluoromethane
 Concen: 51.860 ug/l
 RT: 2.00 min Scan# 16
 Delta R.T. 0.00 min
 Lab File: VW010500.D
 Acq: 22 May 2019 10:20

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	71438		
87	32.1	16.3	48.8	





#3

Chloromethane

Concen: 49.835 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW010500.D

Acq: 22 May 2019 10:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 80976

Ion Ratio Lower Upper

50 100

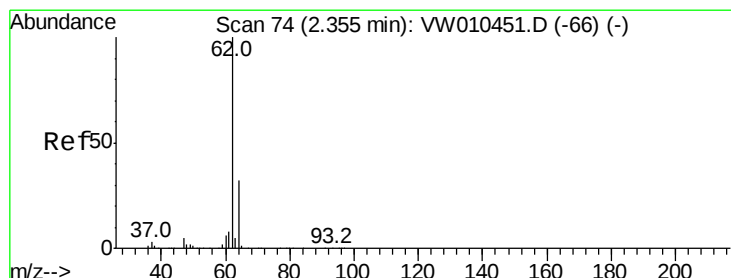
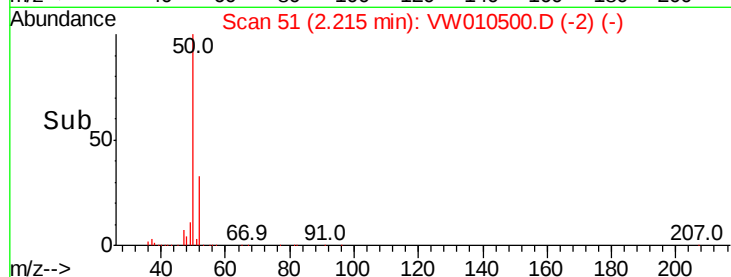
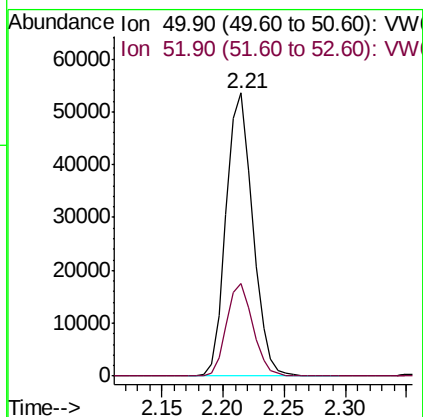
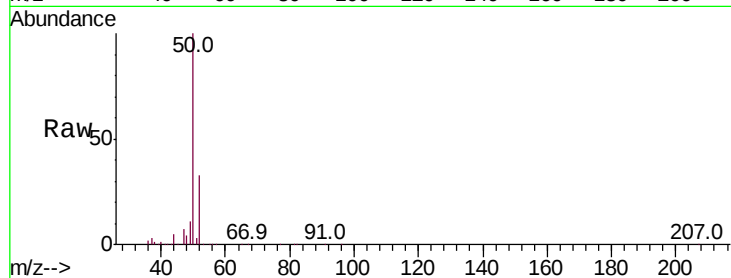
52 32.7 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 46.193 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW010500.D

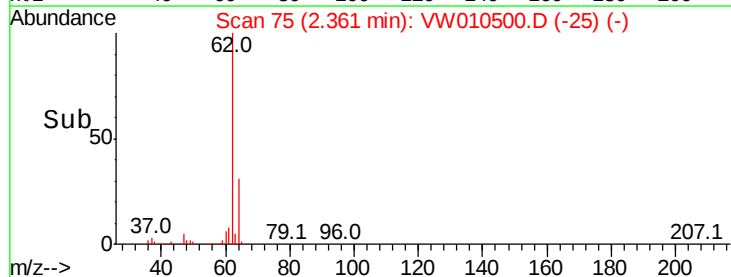
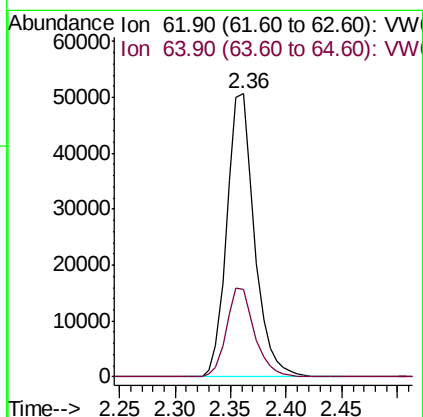
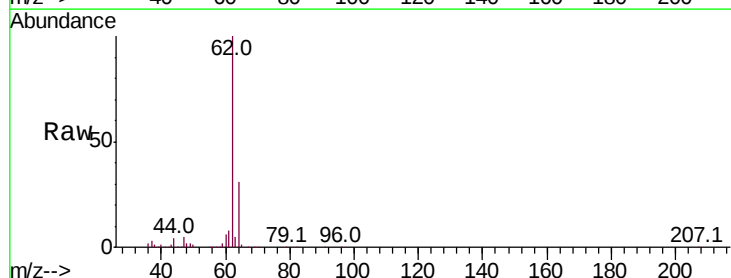
Acq: 22 May 2019 10:20

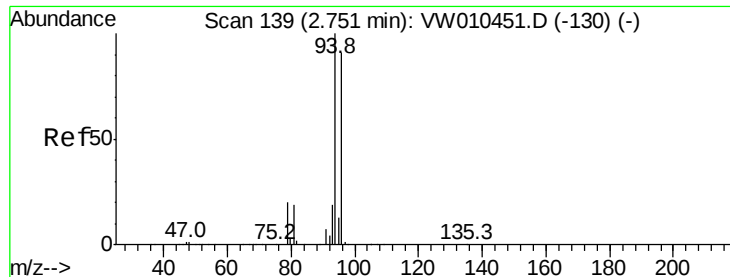
Tgt Ion: 62 Resp: 86943

Ion Ratio Lower Upper

62 100

64 30.9 25.8 38.8





#5

Bromomethane

Concen: 57.951 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.02 min

Lab File: VW010500.D

Acq: 22 May 2019 10:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 75036

Ion Ratio Lower Upper

94 100

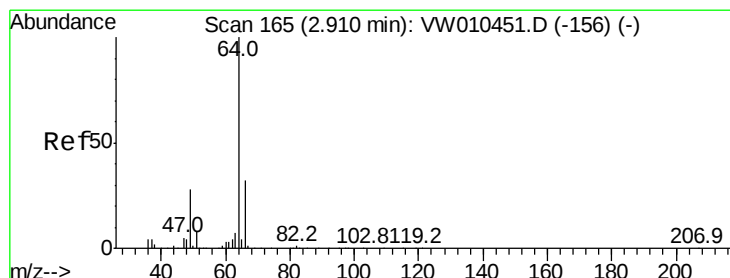
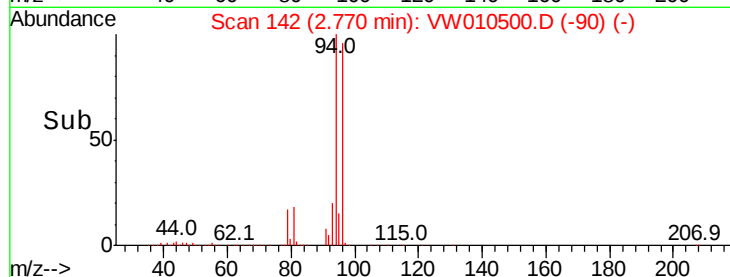
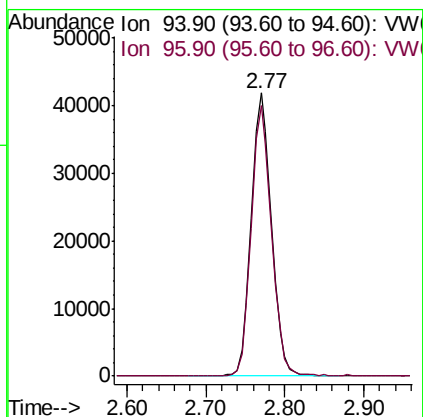
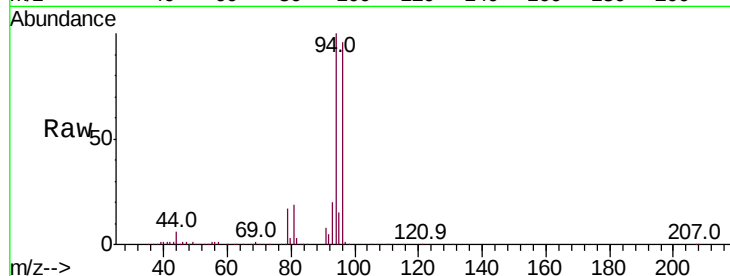
96 95.5 72.9 109.3

Manual Integrations

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#6

Chloroethane

Concen: 47.642 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.01 min

Lab File: VW010500.D

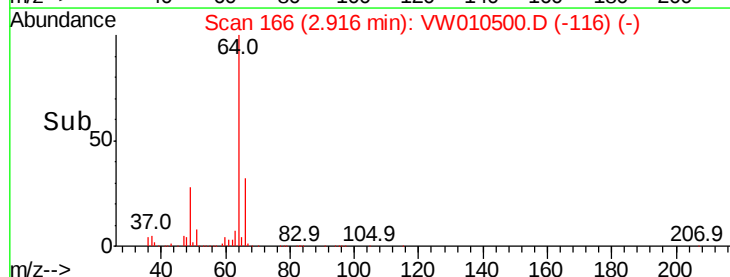
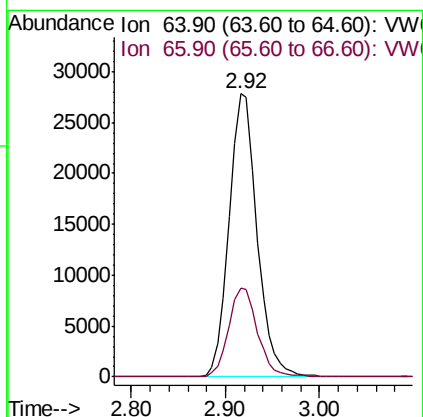
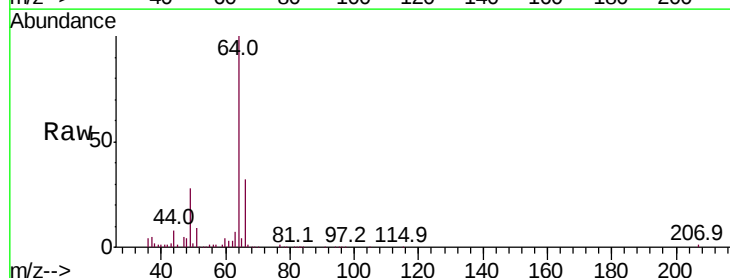
Acq: 22 May 2019 10:20

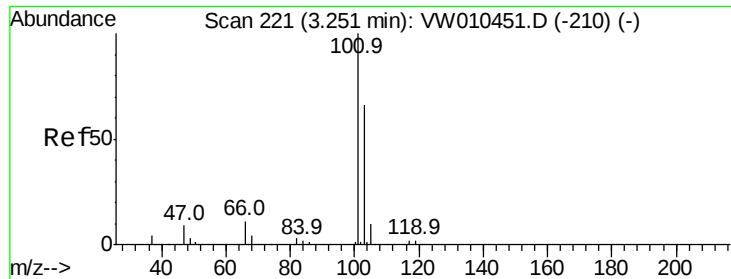
Tgt Ion: 64 Resp: 57563

Ion Ratio Lower Upper

64 100

66 31.5 25.5 38.3





#7

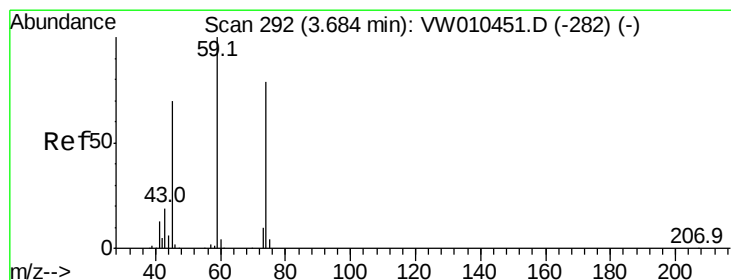
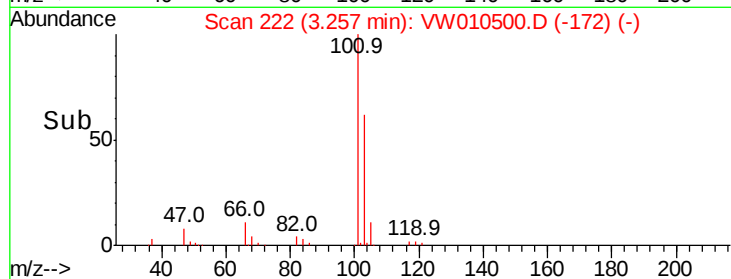
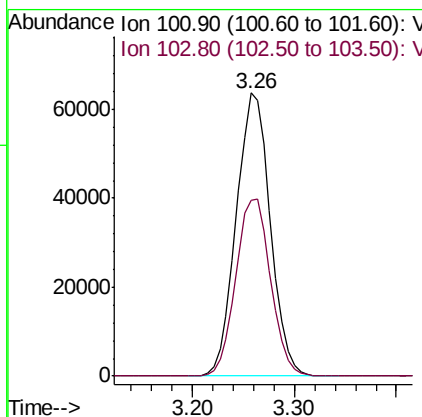
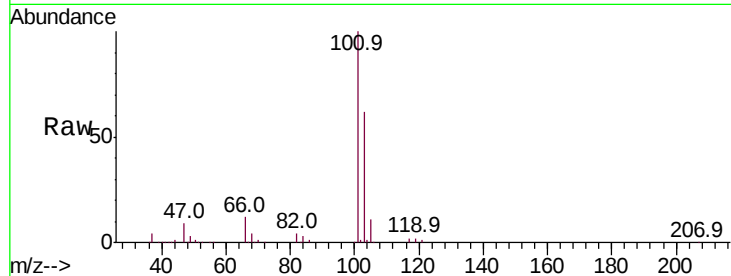
Trichlorofluoromethane
Concen: 53.063 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.01 min
Lab File: VW010500.D
Acq: 22 May 2019 10:20

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	147449		
103	62.2	53.0	79.4	

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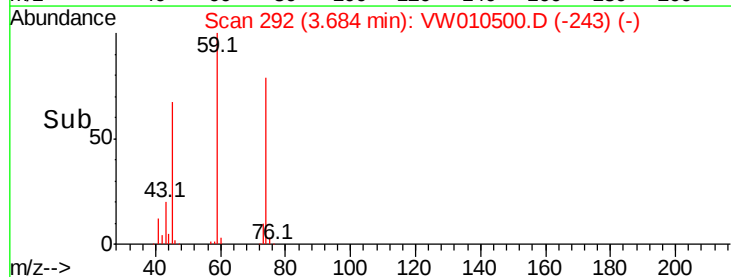
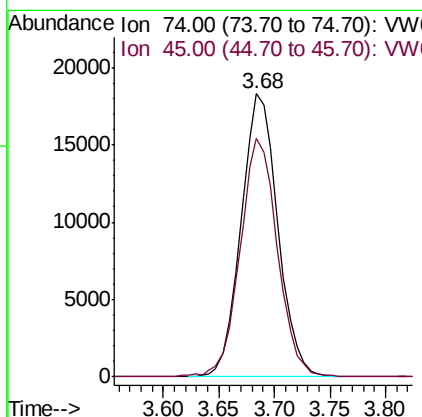
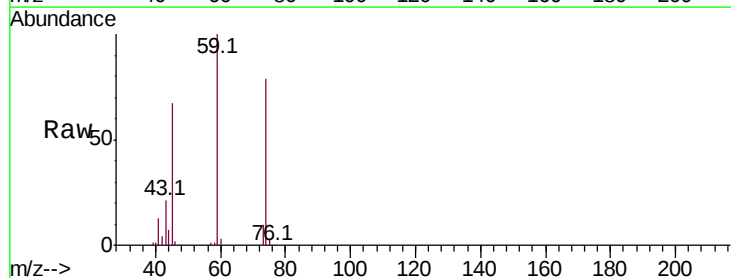
MMDadoda
5/23/2019 11:42:03 AM

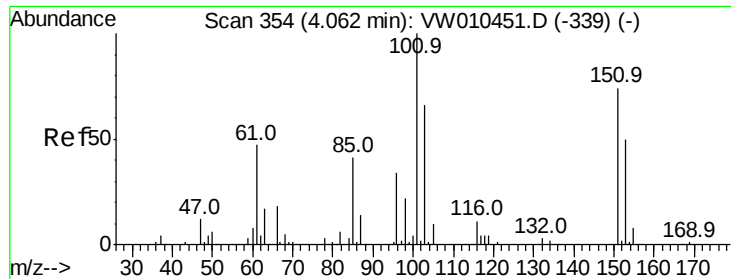


#8

Diethyl Ether
Concen: 47.538 ug/l
RT: 3.68 min Scan# 292
Delta R.T. -0.00 min
Lab File: VW010500.D
Acq: 22 May 2019 10:20

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	41874		
45	86.1	42.9	128.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.256 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW010500.D

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MSVOA_W

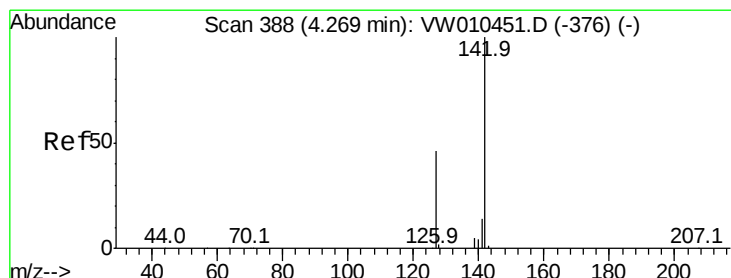
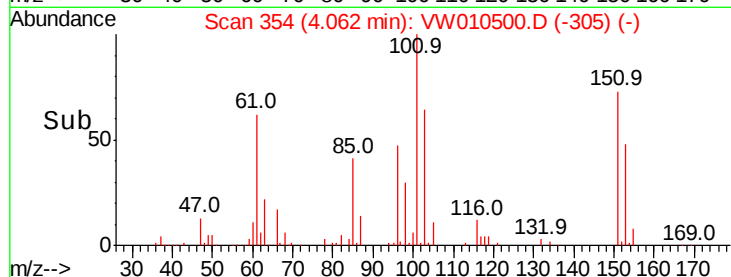
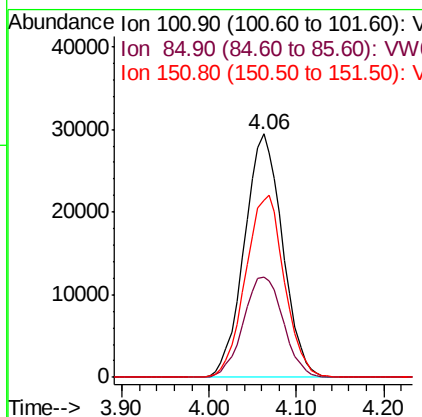
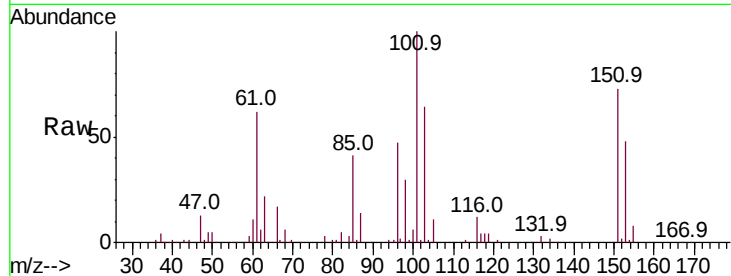
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	89424
Ion Ratio	Lower	Upper	
101	100		
85	43.2	34.3	51.5
151	76.3	60.3	90.5

Manual Integrations
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#10

Methyl Iodide

Concen: 48.747 ug/l

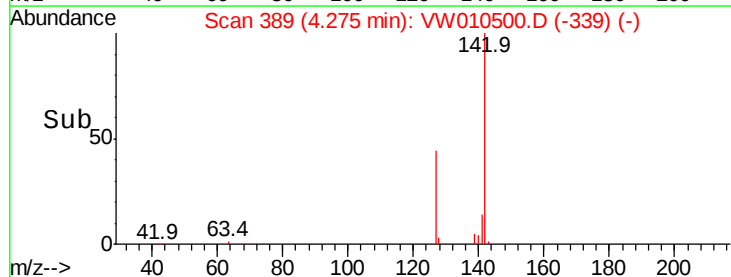
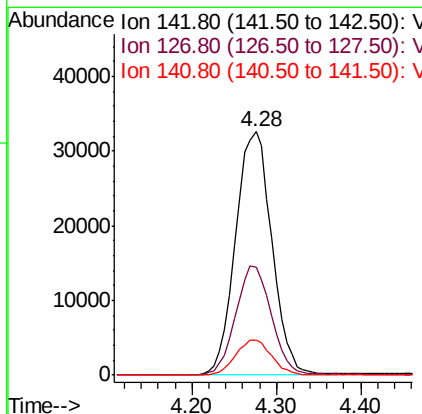
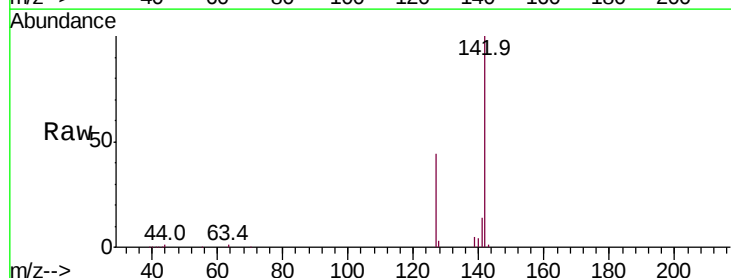
RT: 4.28 min Scan# 389

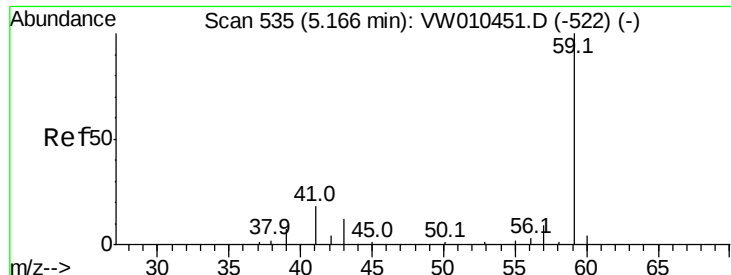
Delta R.T. 0.01 min

Lab File: VW010500.D

Acq: 22 May 2019 10:20

Tgt Ion:	142	Resp:	95348
Ion Ratio	Lower	Upper	
142	100		
127	44.0	36.1	54.1
141	14.3	11.3	16.9





#11

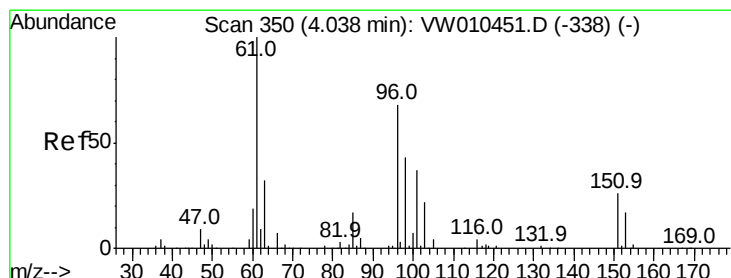
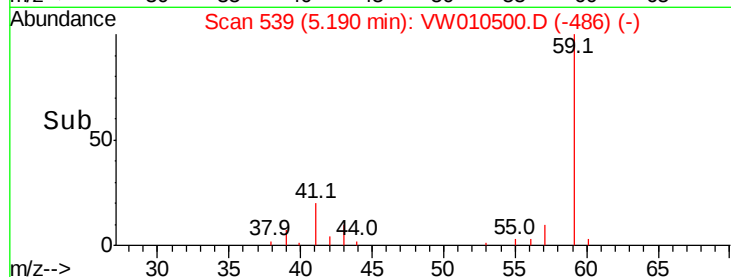
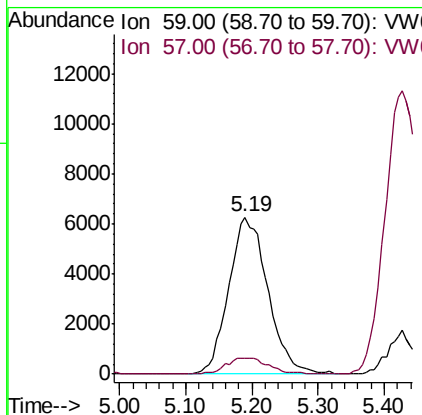
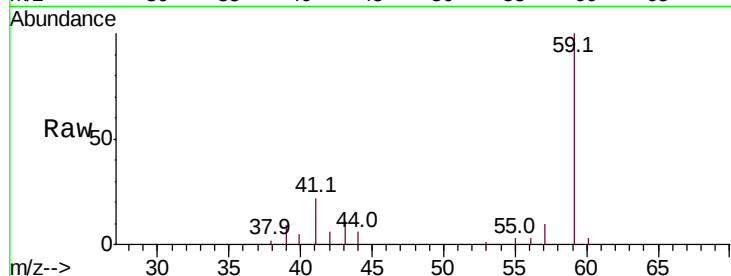
Tert butyl alcohol
 Concen: 179.268 ug/l
 RT: 5.19 min Scan# 539
 Delta R.T. 0.02 min
 Lab File: VW010500.D
 Acq: 22 May 2019 10:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.8	13.2

Manual Integrations
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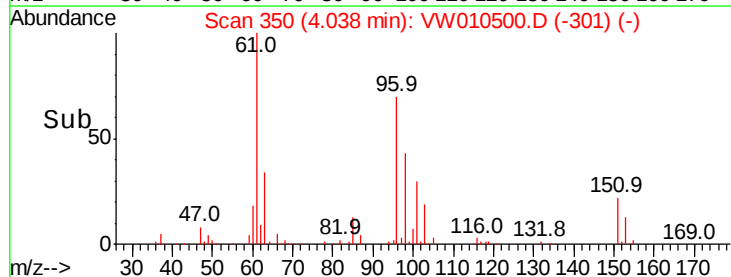
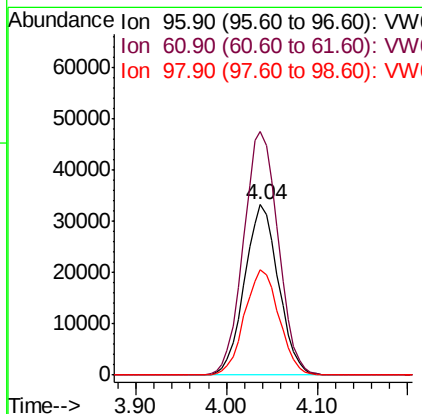
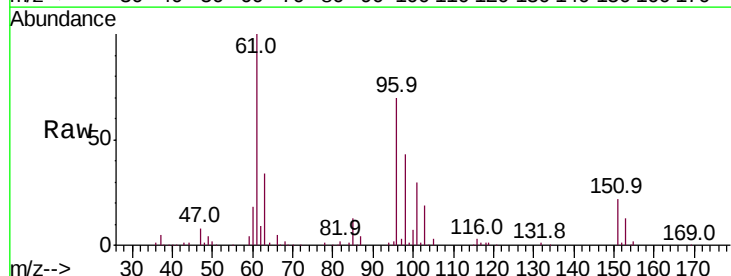
MMDadoda
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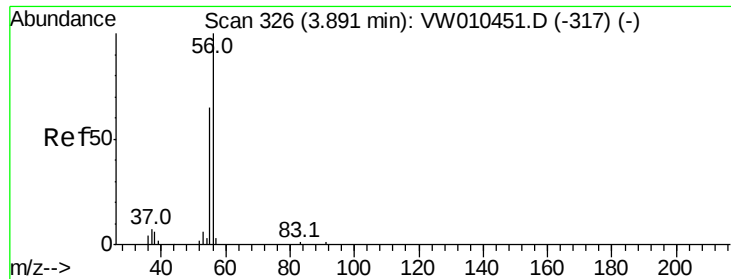


#12

1,1-Dichloroethene
 Concen: 52.676 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW010500.D
 Acq: 22 May 2019 10:20

Tgt Ion	Ratio	Lower	Upper
96	100		
61	143.1	118.3	177.5
98	62.1	51.0	76.6





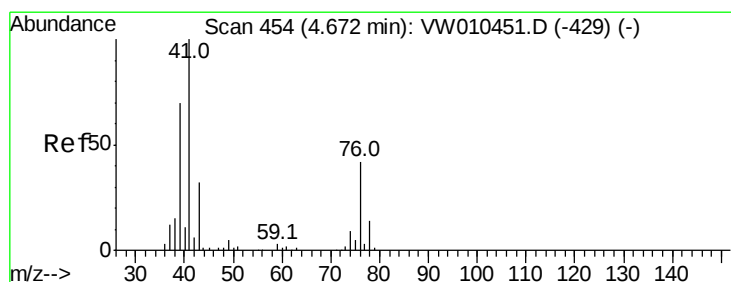
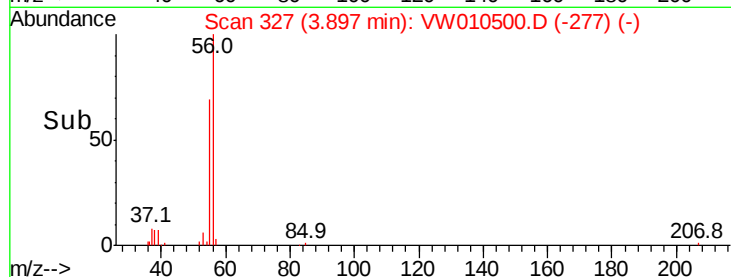
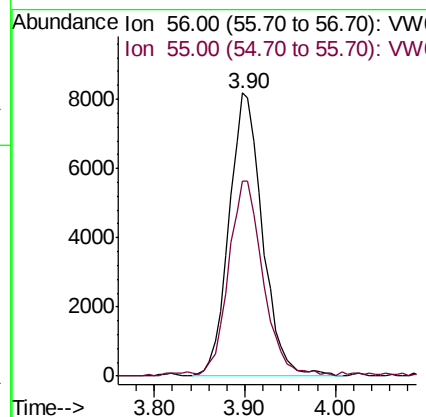
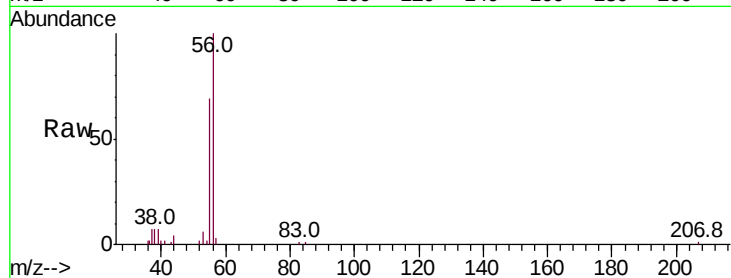
#13
Acrolein
Concen: 249.878 ug/l
RT: 3.90 min Scan# 327
Delta R.T. 0.01 min
Lab File: VW010500.D
Acq: 22 May 2019 10:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.3	57.9	86.9

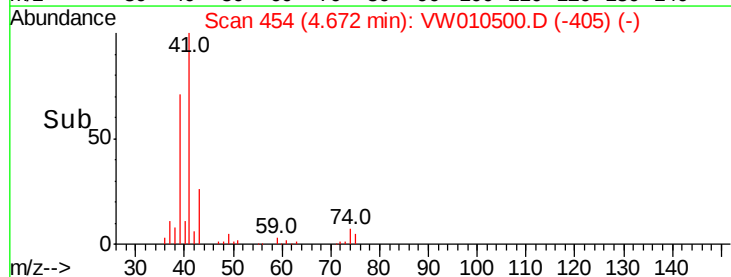
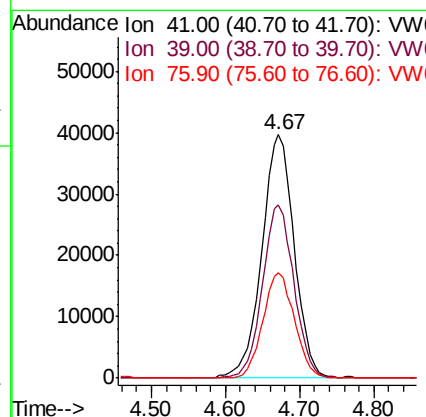
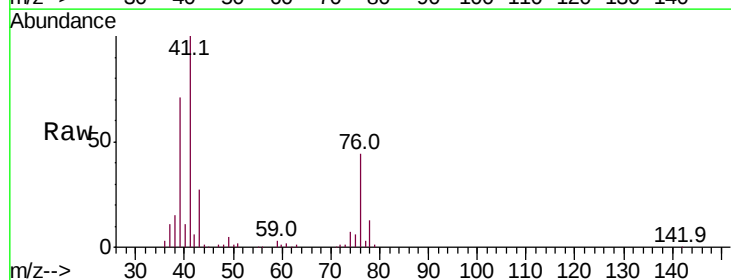
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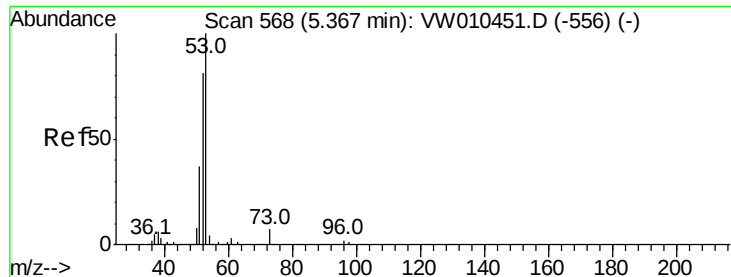
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#14
Allyl chloride
Concen: 51.152 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW010500.D
Acq: 22 May 2019 10:20

Tgt Ion	Ratio	Lower	Upper
41	100		
39	69.3	55.0	82.4
76	42.1	32.8	49.2





#15

Acrylonitrile

Concen: 218.009 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW010500.D

Acq: 22 May 2019 10:20

Instrument :

MSVOA_W

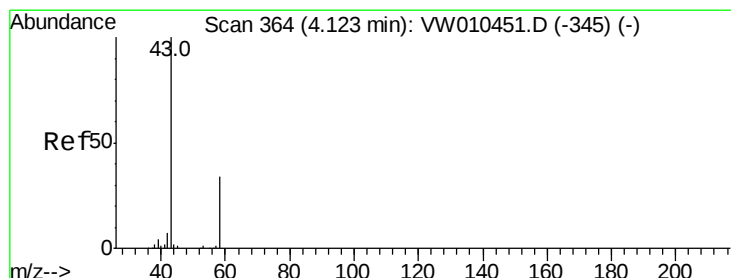
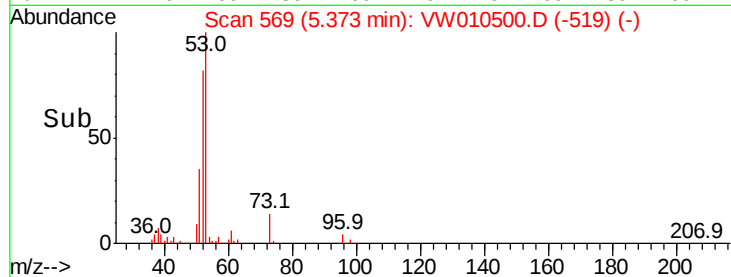
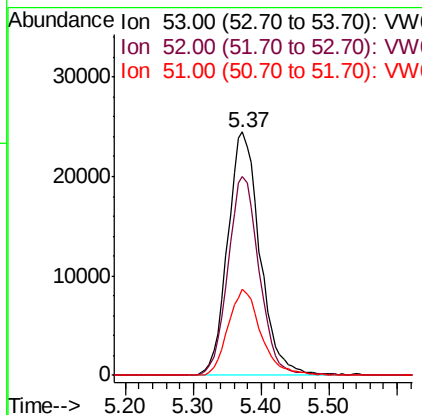
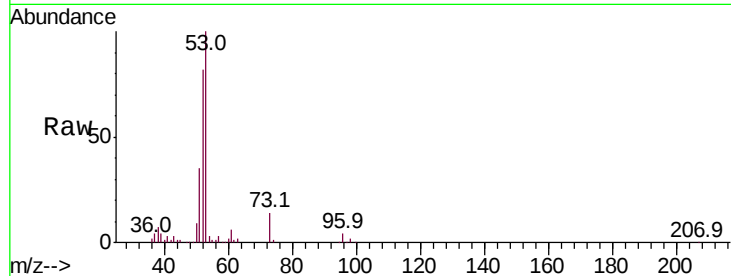
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	80423
Ion Ratio	Lower	Upper	
53	100		
52	78.9	65.6	98.4
51	36.0	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 222.701 ug/l

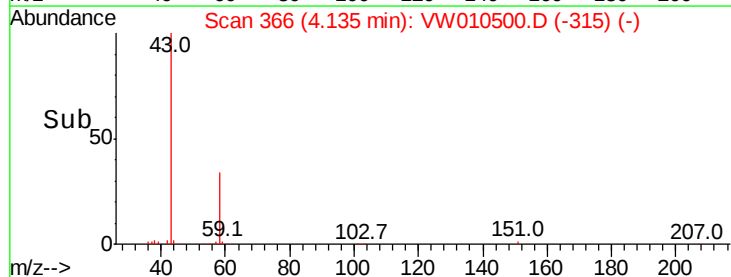
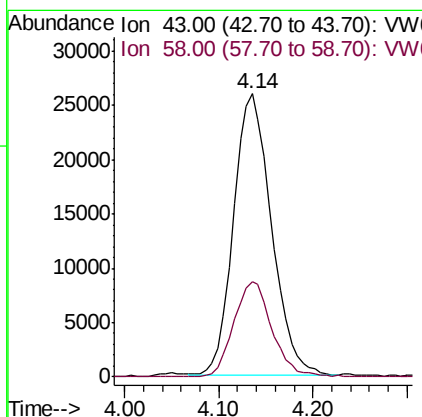
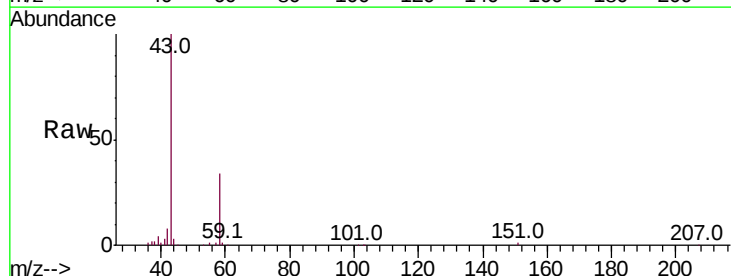
RT: 4.14 min Scan# 366

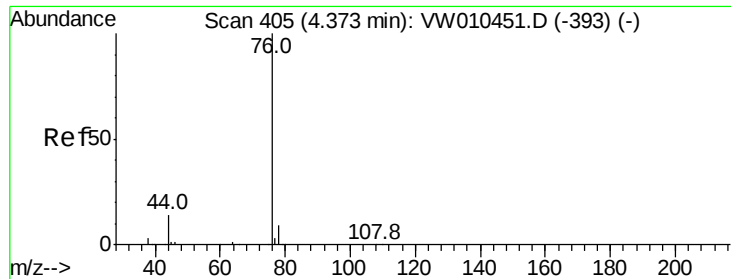
Delta R.T. 0.01 min

Lab File: VW010500.D

Acq: 22 May 2019 10:20

Tgt Ion:	43	Resp:	72564
Ion Ratio	Lower	Upper	
43	100		
58	33.8	27.0	40.4





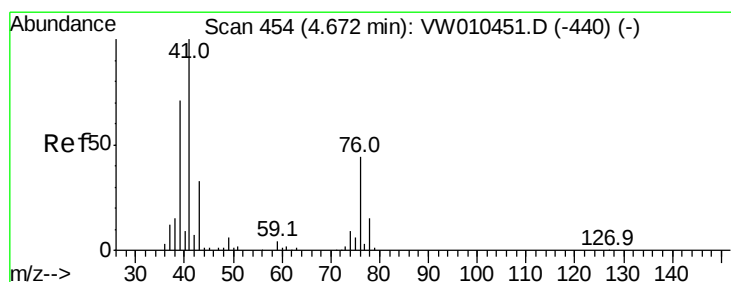
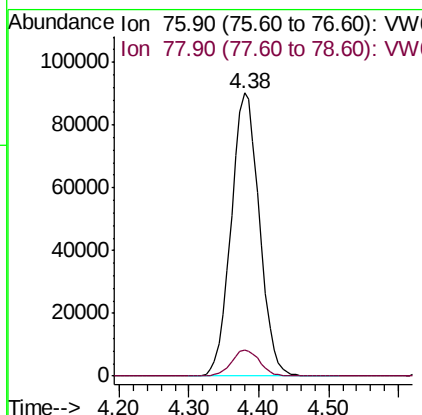
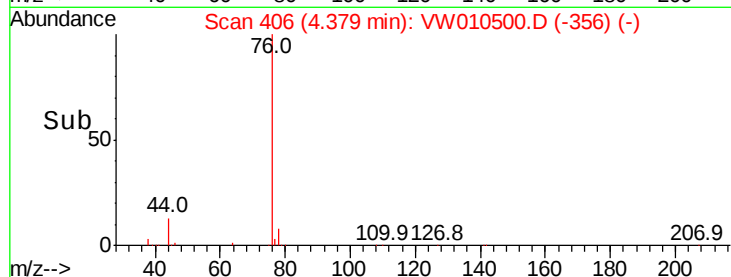
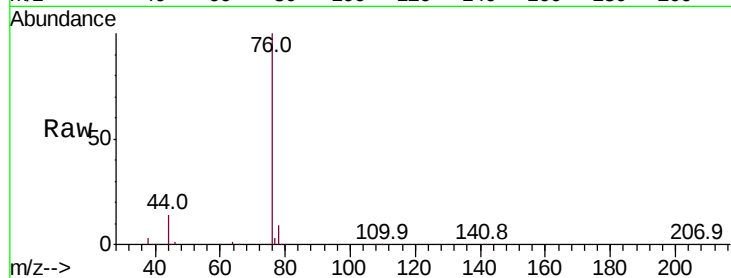
#17
Carbon Disulfide
Concen: 51.885 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.01 min
Lab File: VW010500.D
Acq: 22 May 2019 10:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 252807
Ion Ratio Lower Upper
76 100
78 9.1 7.1 10.7

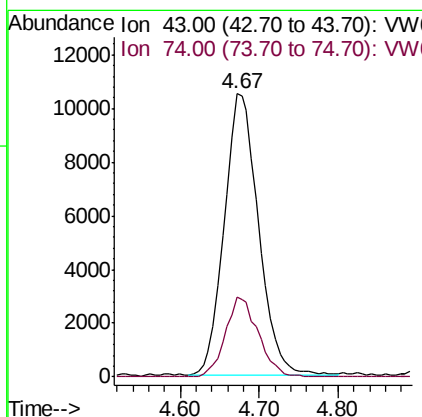
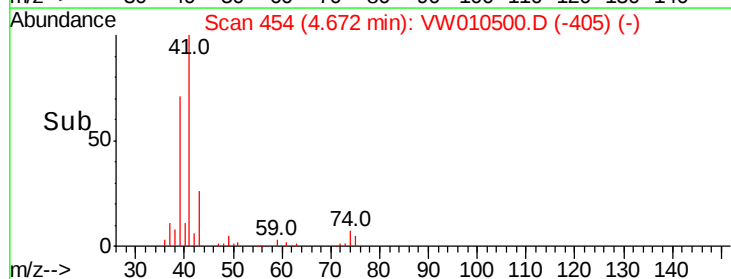
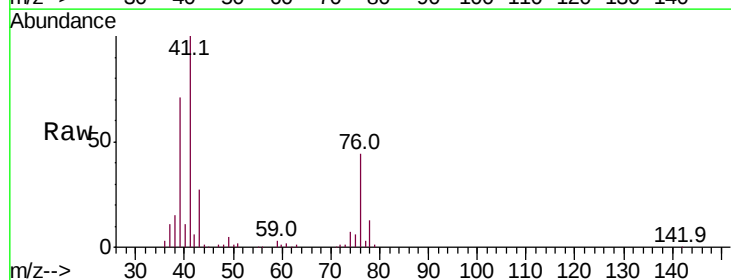
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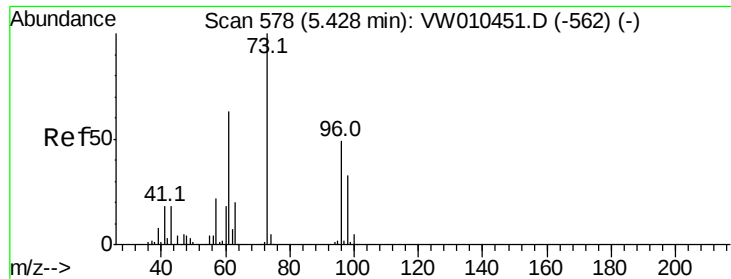
MMDadoda
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#18
Methyl Acetate
Concen: 39.720 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW010500.D
Acq: 22 May 2019 10:20

Tgt Ion: 43 Resp: 31653
Ion Ratio Lower Upper
43 100
74 27.2 21.6 32.4





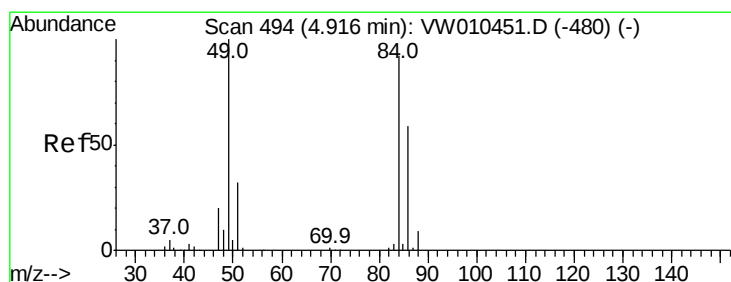
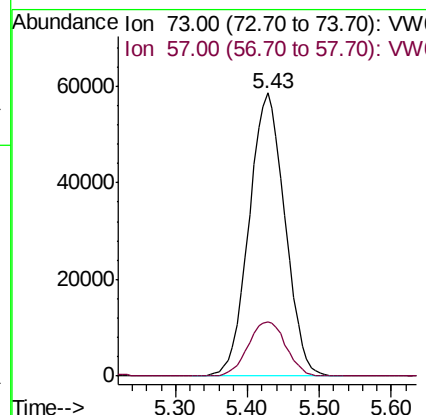
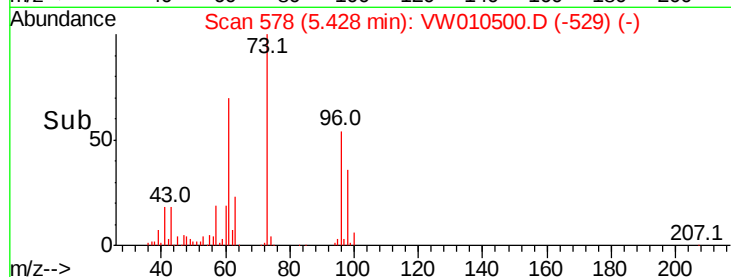
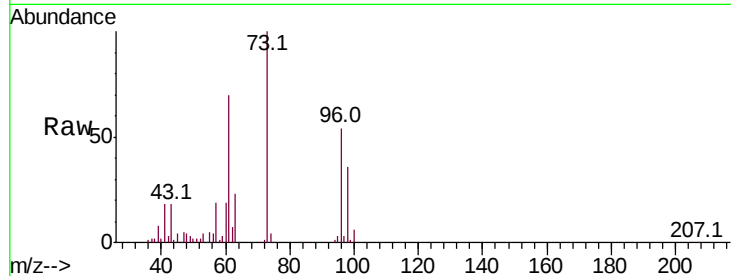
#19
Methvl tert-butvl Ether
Concen: 48.481 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW010500.D
Acq: 22 May 2019 10:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 201895
Ion Ratio Lower Upper
73 100
57 19.3 17.4 26.0

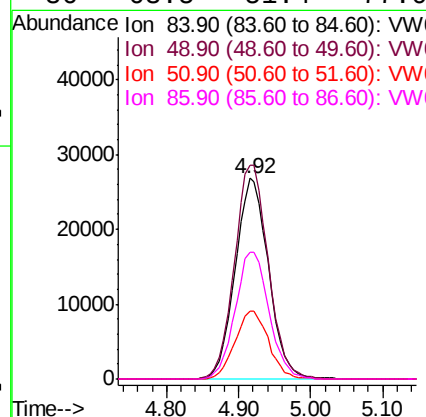
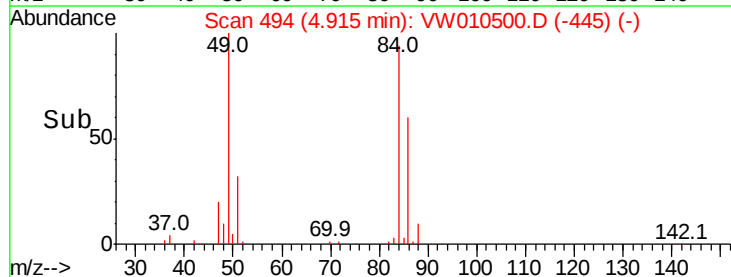
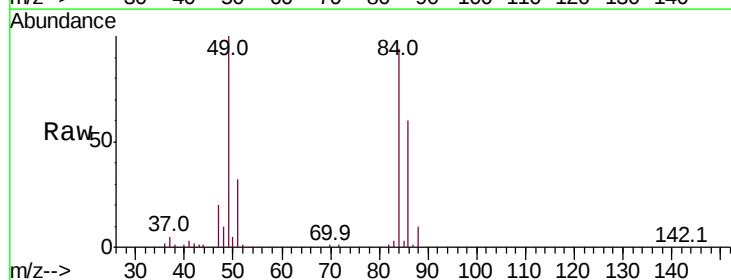
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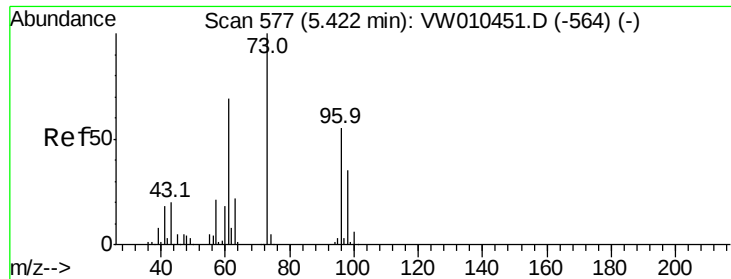
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#20
Methylene Chloride
Concen: 44.433 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW010500.D
Acq: 22 May 2019 10:20

Tgt Ion: 84 Resp: 86029
Ion Ratio Lower Upper
84 100
49 106.6 87.2 130.8
51 33.7 27.7 41.5
86 63.5 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 52.060 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW010500.D

Acq: 22 May 2019 10:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 97546

Ion Ratio Lower Upper

96 100

61 126.9 101.4 152.0

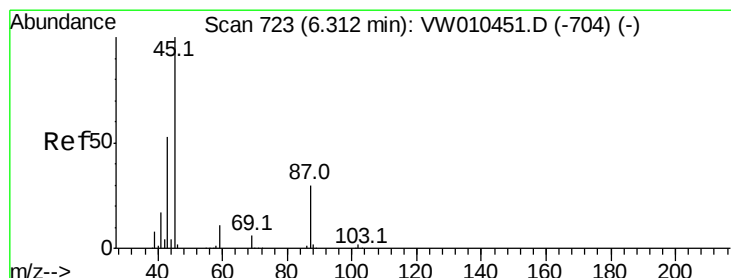
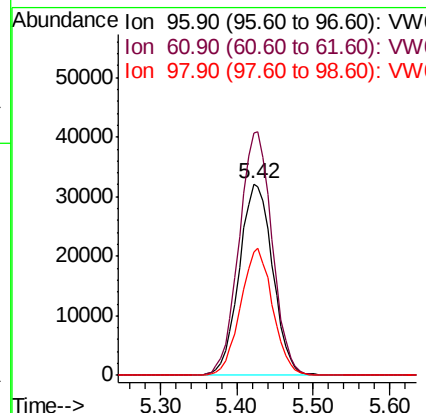
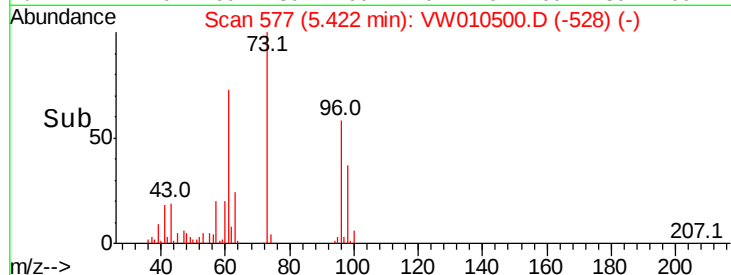
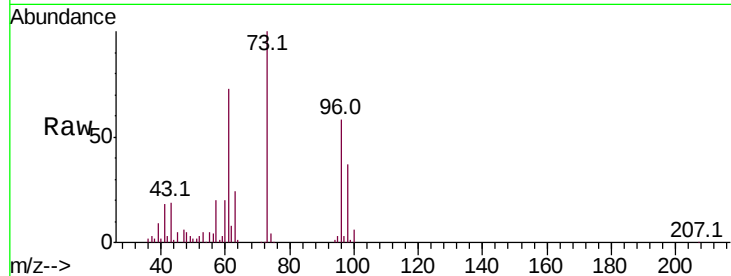
98 64.2 50.6 76.0

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#22

Diisopropyl ether

Concen: 49.181 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW010500.D

Acq: 22 May 2019 10:20

Tgt Ion: 45 Resp: 238449

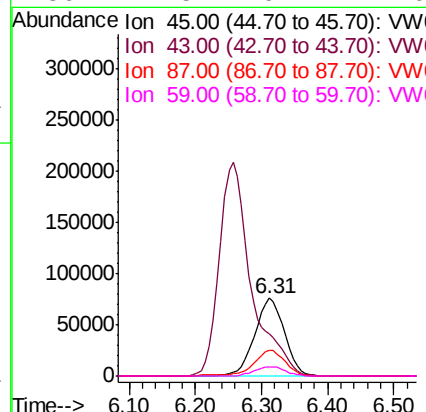
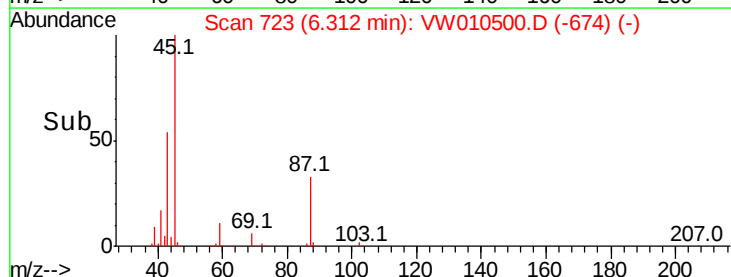
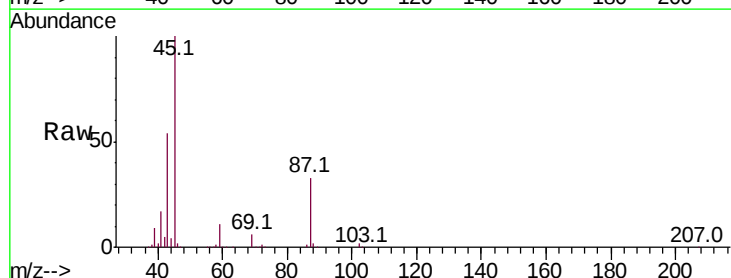
Ion Ratio Lower Upper

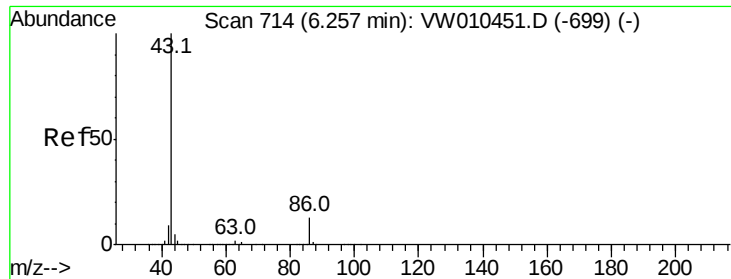
45 100

43 53.2 42.9 64.3

87 33.0 24.6 36.8

59 11.5 9.4 14.0





#23

Vinyl Acetate

Concen: 241.789 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW010500.D

Acq: 22 May 2019 10:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 700262

Ion Ratio Lower Upper

43 100

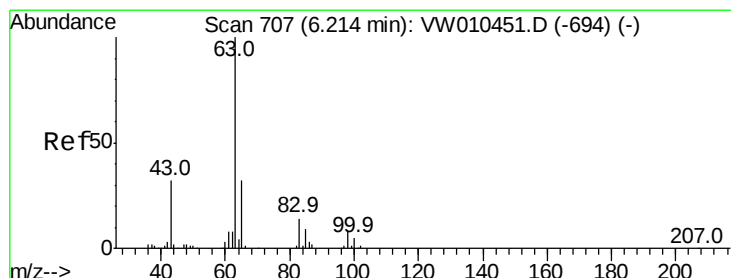
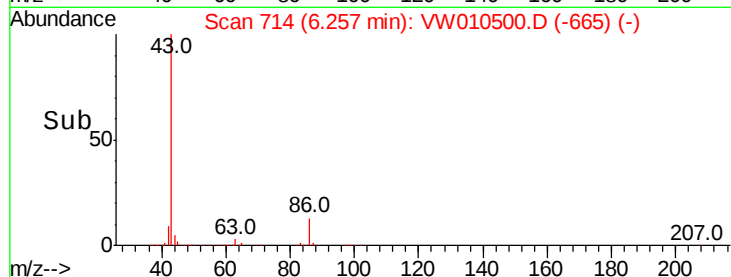
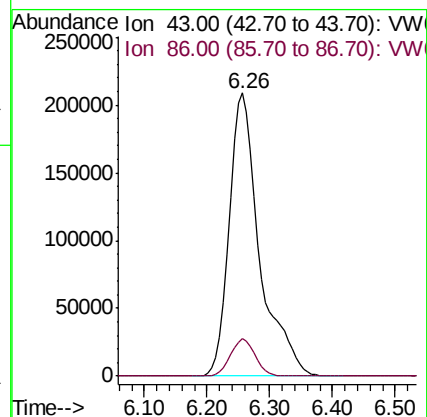
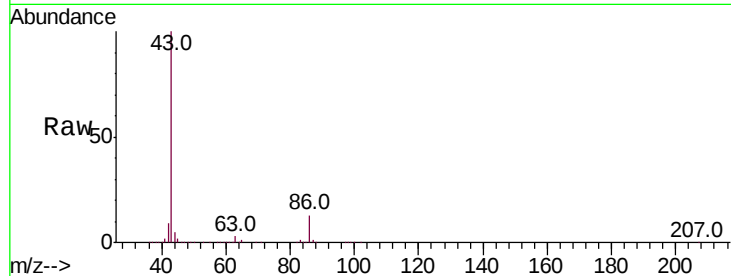
86 13.1 10.3 15.5

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#24

1,1-Dichloroethane

Concen: 51.721 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010500.D

Acq: 22 May 2019 10:20

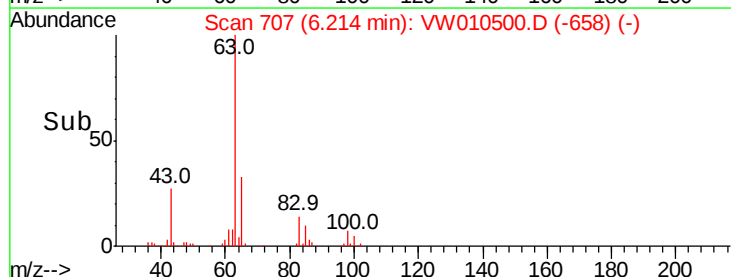
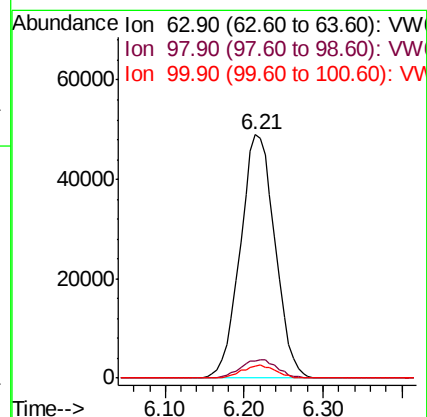
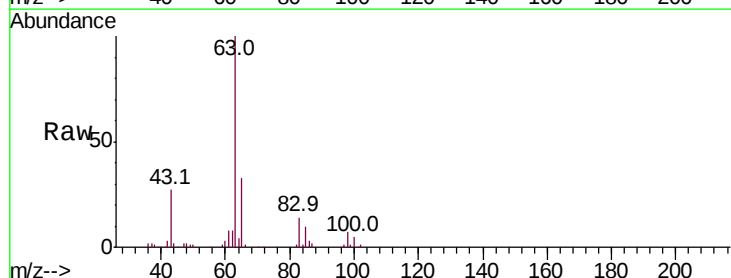
Tgt Ion: 63 Resp: 149645

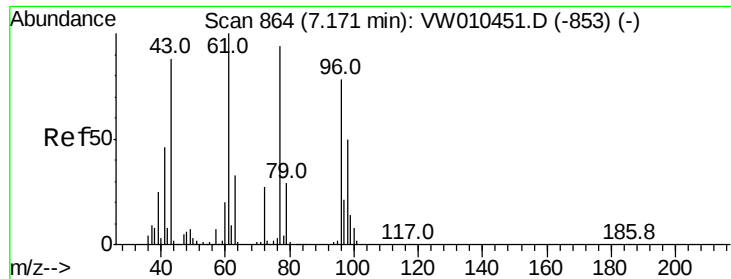
Ion Ratio Lower Upper

63 100

98 7.1 3.8 11.2

100 5.1 2.5 7.4





#25

2-Butanone

Concen: 224.936 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010500.D

Acq: 22 May 2019 10:20

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 104888

Ion Ratio Lower Upper

43 100

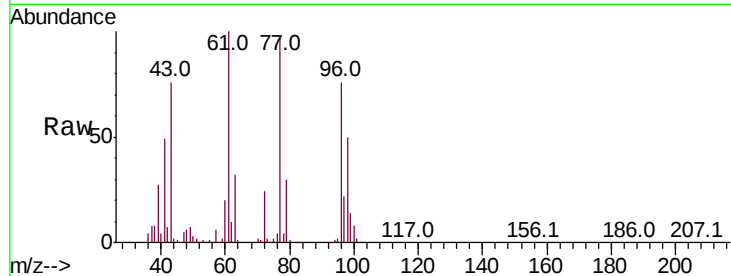
72 31.2 24.1 36.1

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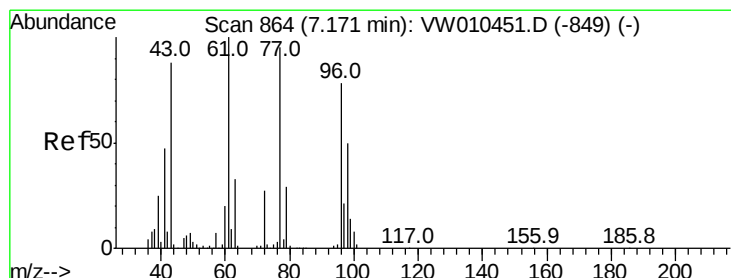
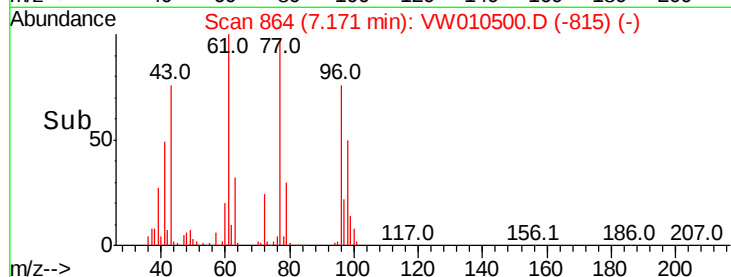
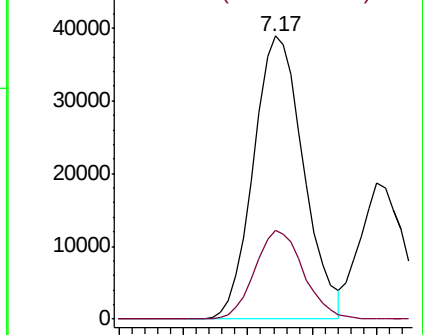
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 53.456 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010500.D

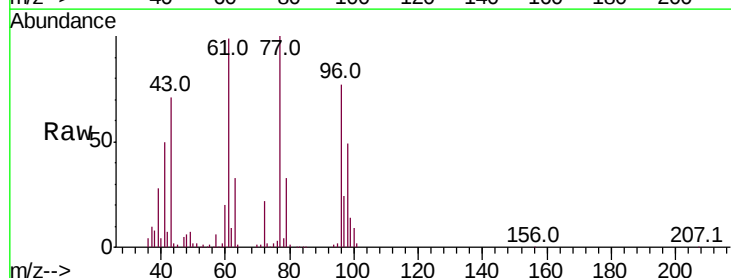
Acq: 22 May 2019 10:20

Tgt Ion: 77 Resp: 147326

Ion Ratio Lower Upper

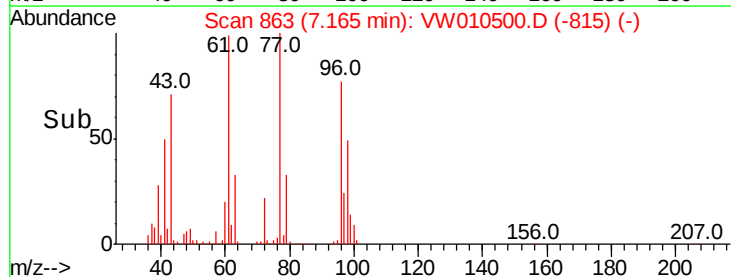
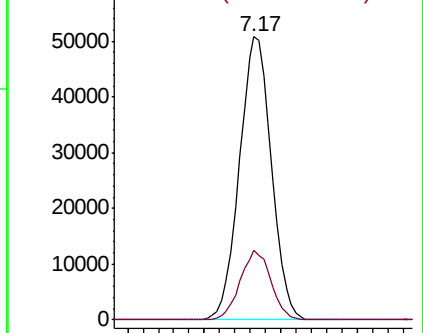
77 100

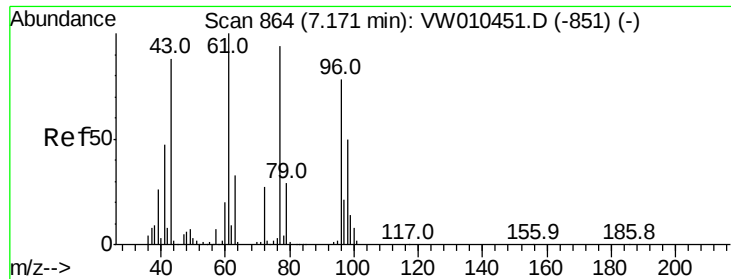
97 23.8 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW





#27

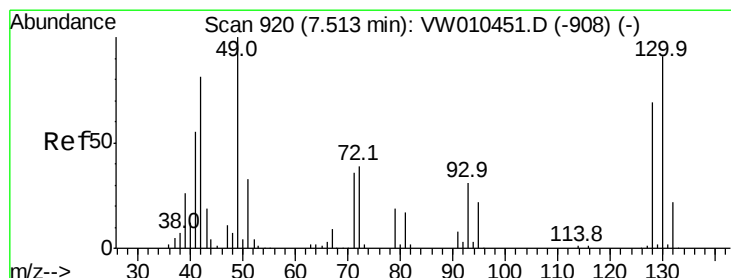
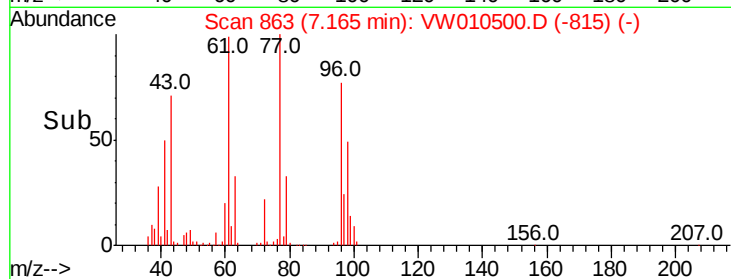
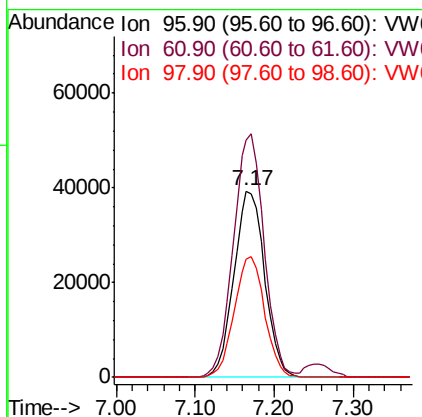
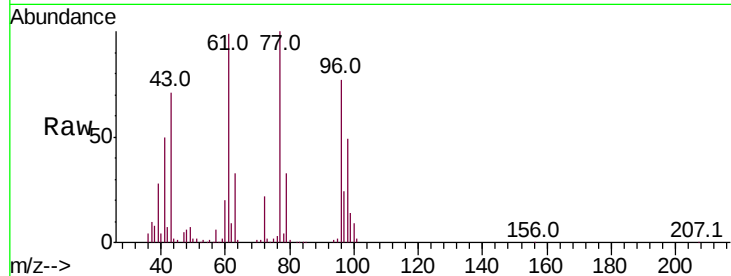
cis-1,2-Dichloroethene
Concen: 52.363 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW010500.D
Acq: 22 May 2019 10:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	130.5	0.0	265.4	
98	64.0	0.0	129.4	

Manual Integrations
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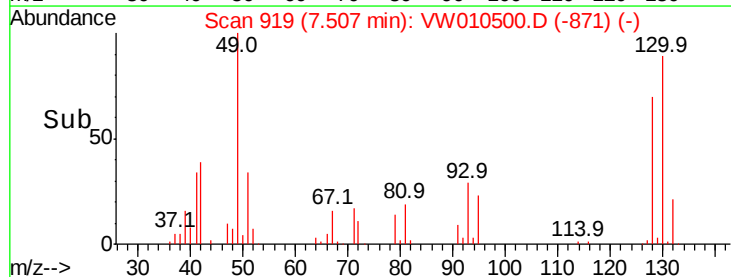
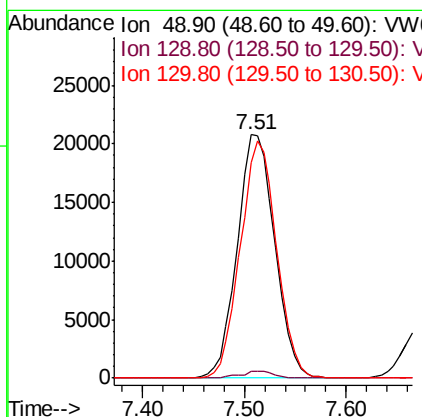
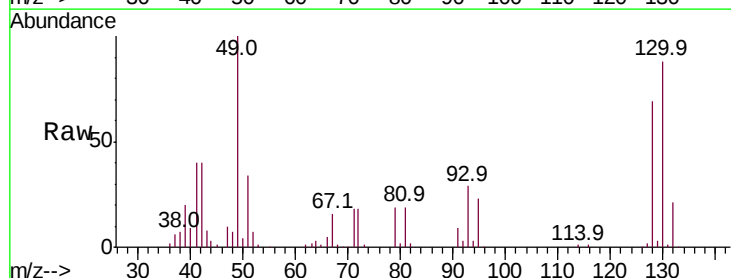
MMDadoda
5/23/2019 11:42:03 AM

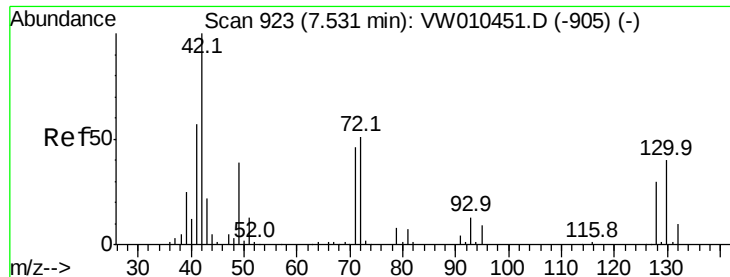


#28

Bromochloromethane
Concen: 51.363 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW010500.D
Acq: 22 May 2019 10:20

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.6	0.0	4.8	
130	94.3	71.2	106.8	





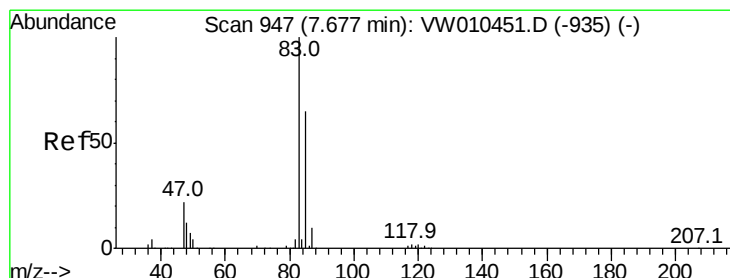
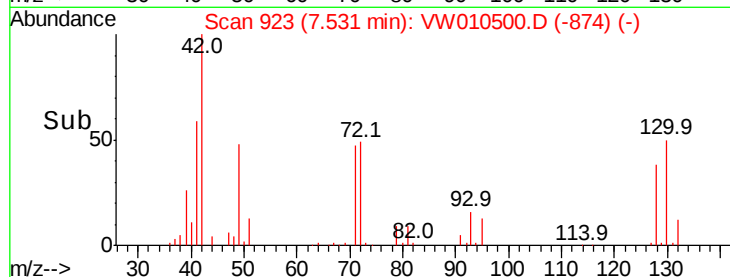
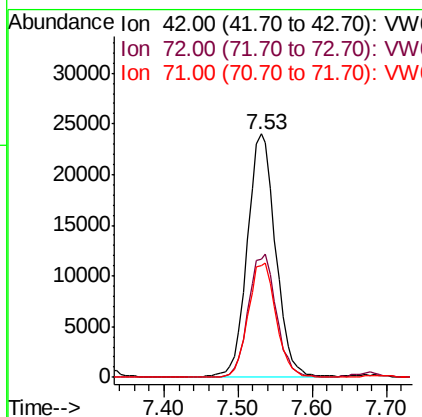
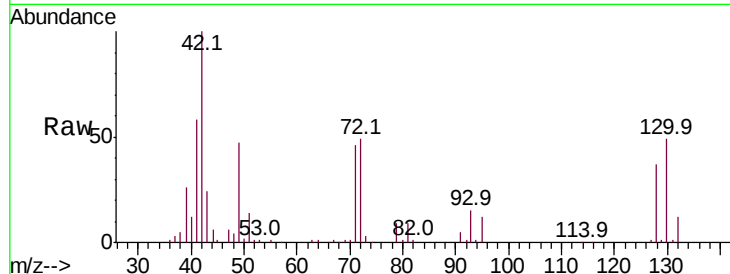
#29
Tetrahydrofuran
Concen: 203.825 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010500.D
Acq: 22 May 2019 10:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.9	38.5	57.7
71	46.2	36.5	54.7

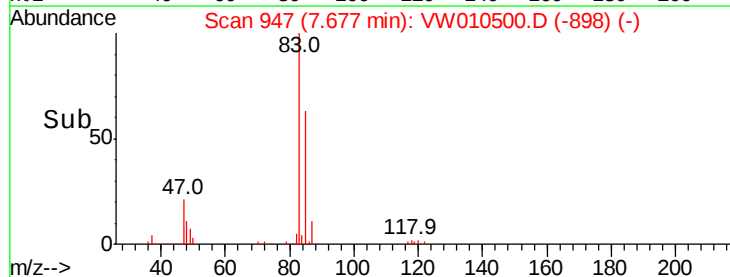
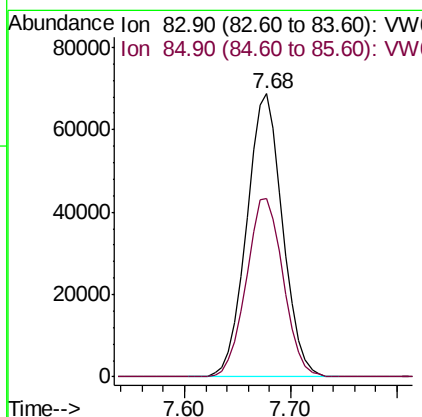
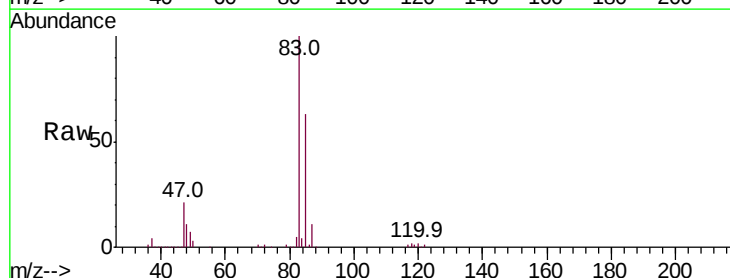
Manual Integrations
APPROVED

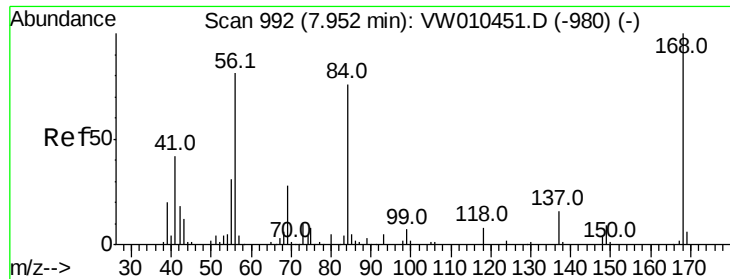
MMDadoda
5/23/2019 11:42:03 AM



#30
Chloroform
Concen: 52.143 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW010500.D
Acq: 22 May 2019 10:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.9	52.2	78.4





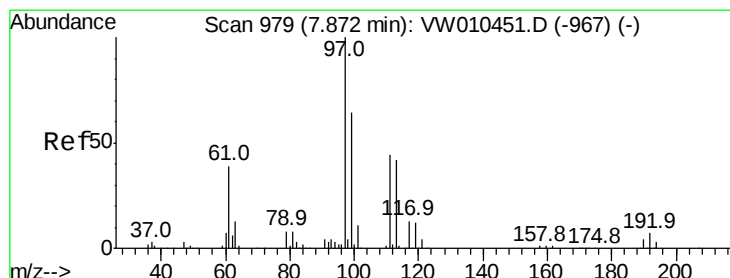
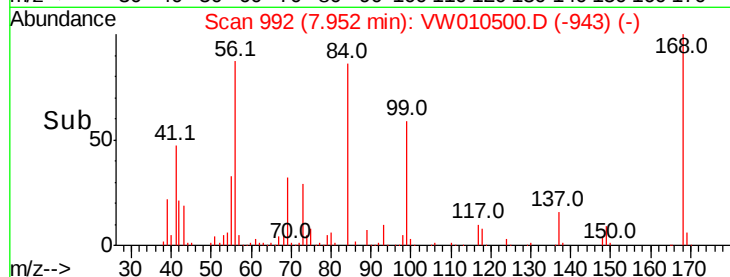
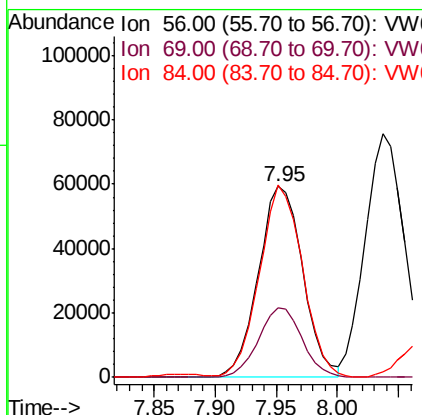
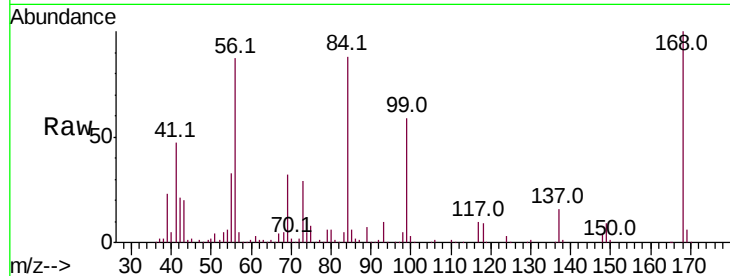
#31
Cyclohexane
Concen: 49.650 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010500.D
Acq: 22 May 2019 10:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.2	28.2	42.2
84	99.0	75.8	113.8

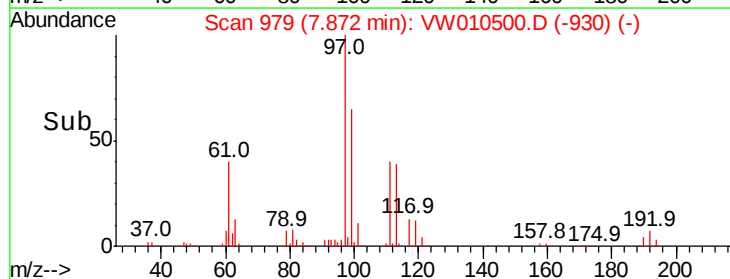
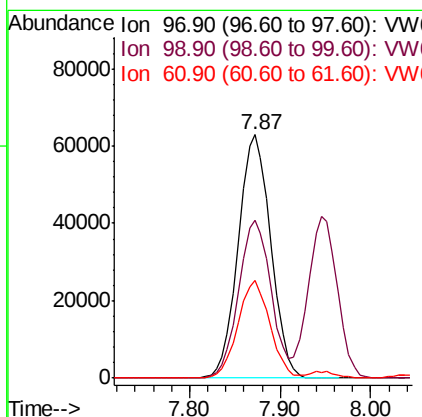
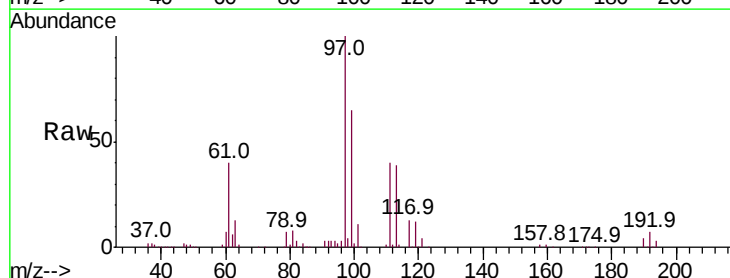
Manual Integrations
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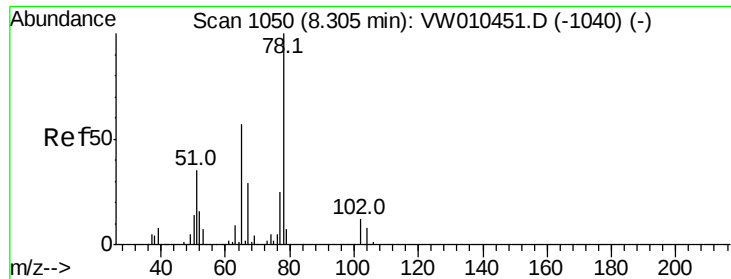
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#32
1,1,1-Trichloroethane
Concen: 52.516 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW010500.D
Acq: 22 May 2019 10:20

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	50.8	76.2
61	39.4	32.1	48.1





#33

1,2-Dichloroethane-d4

Concen: 45.940 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010500.D

Acq: 22 May 2019 10:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 73334

Ion Ratio Lower Upper

65 100

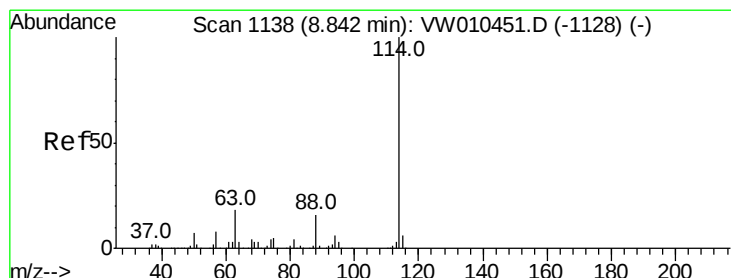
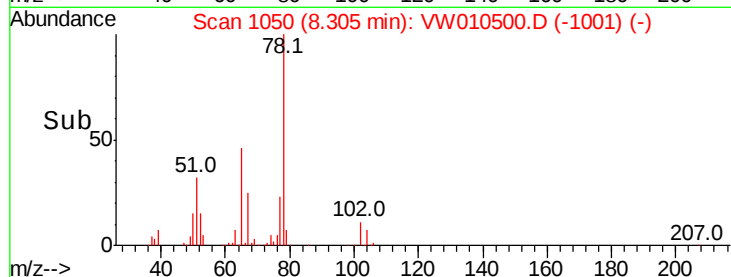
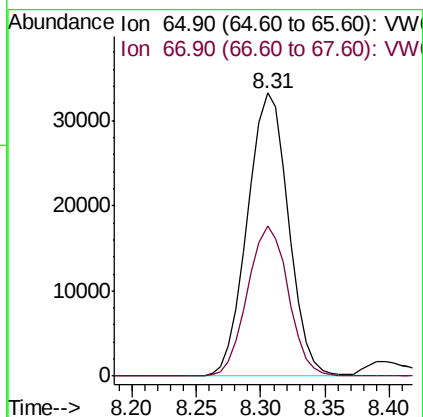
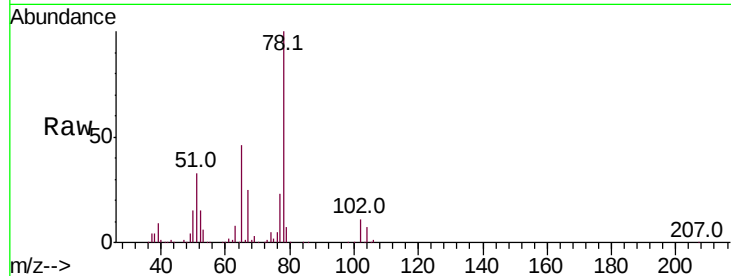
67 52.7 0.0 103.6

Manual Integrations

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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: VW010500.D

Acq: 22 May 2019 10:20

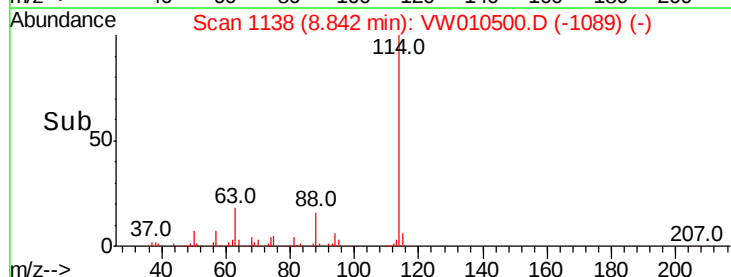
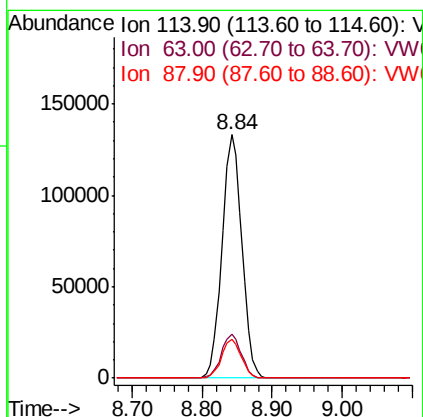
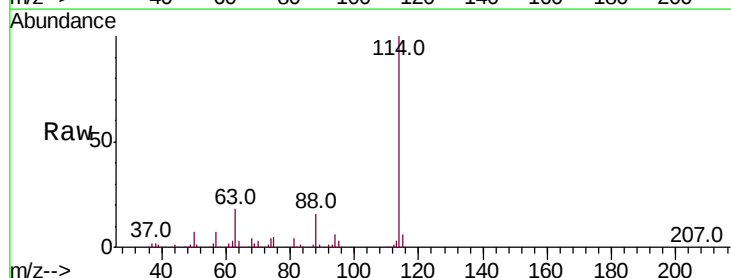
Tgt Ion: 114 Resp: 262333

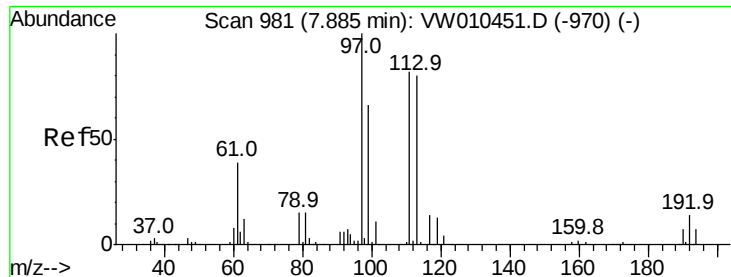
Ion Ratio Lower Upper

114 100

63 18.1 0.0 36.0

88 15.8 0.0 32.0





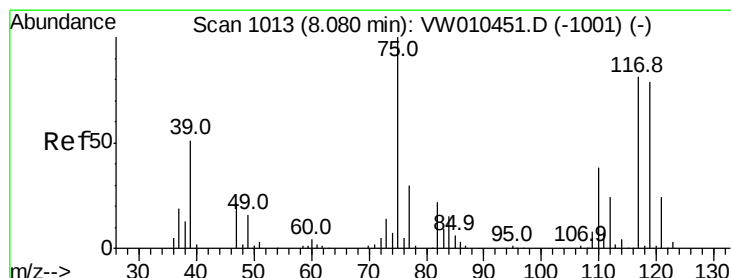
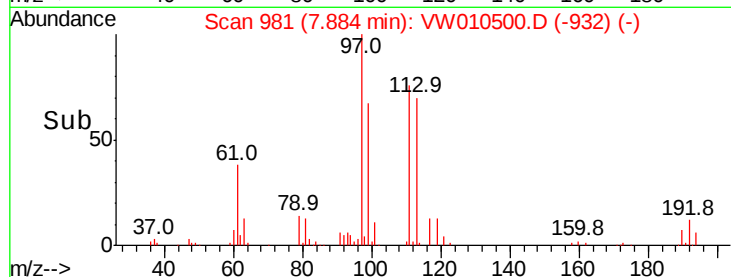
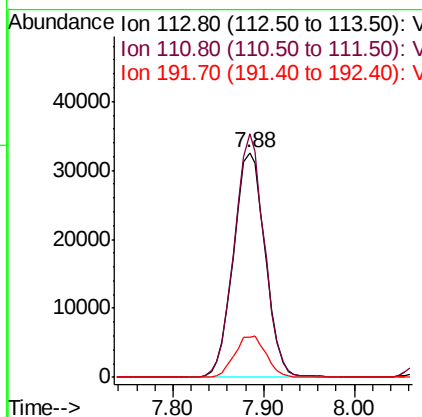
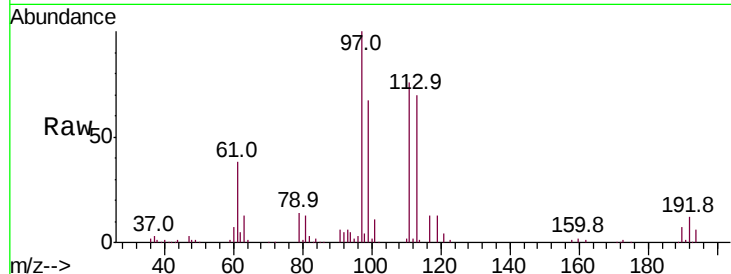
#35
 Dibromofluoromethane
 Concen: 49.585 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010500.D
 Acq: 22 May 2019 10:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.2	123.4
192	18.4	14.3	21.5

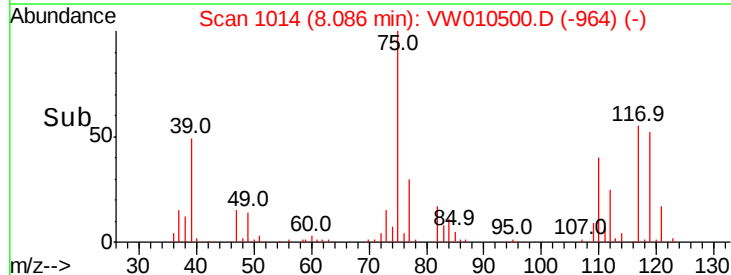
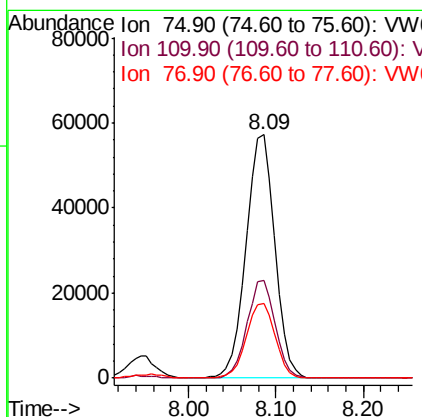
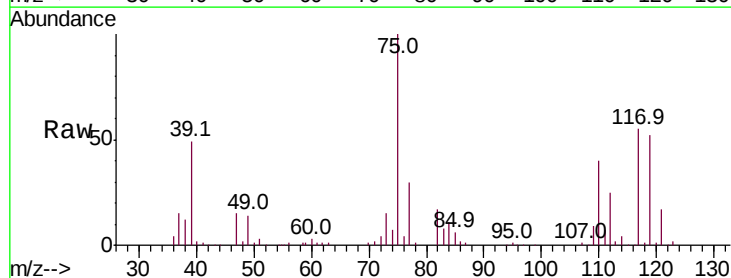
Manual Integrations
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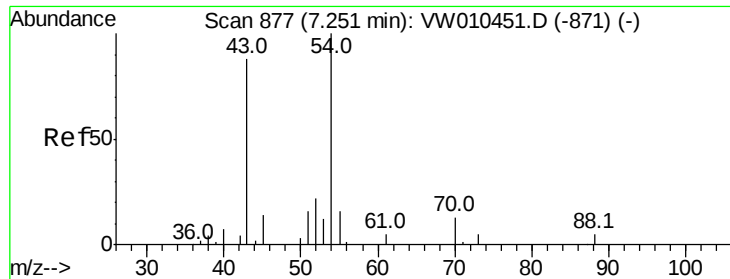
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 5/23/2019 11:42:03 AM



#36
 1,1-Dichloropropene
 Concen: 53.393 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.01 min
 Lab File: VW010500.D
 Acq: 22 May 2019 10:20

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.1	19.2	57.6
77	31.0	25.2	37.8





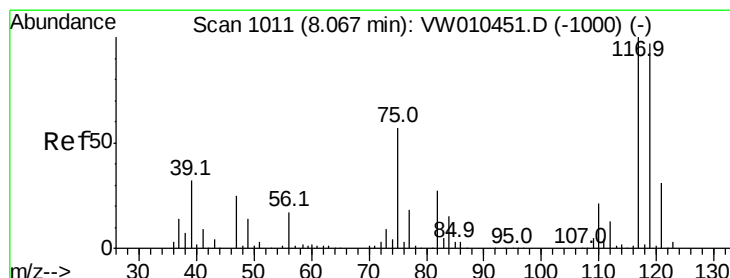
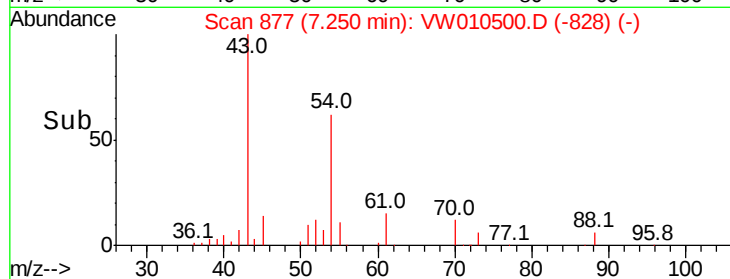
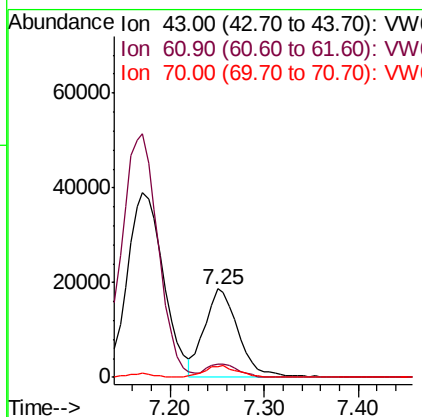
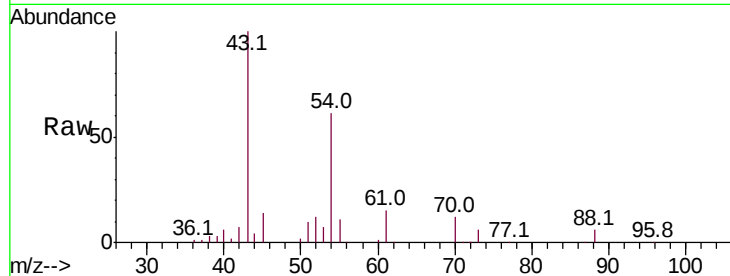
#37
Ethyl Acetate
Concen: 44.376 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW010500.D
Acq: 22 May 2019 10:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.2	16.8
70	12.9	9.9	14.9

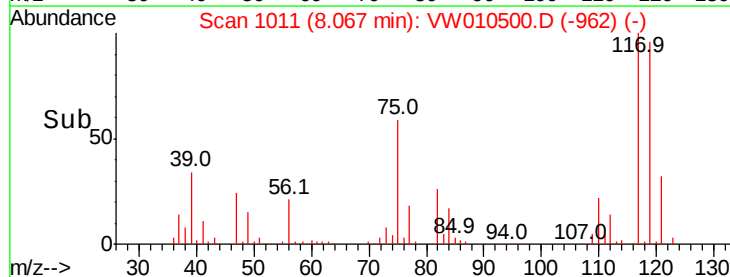
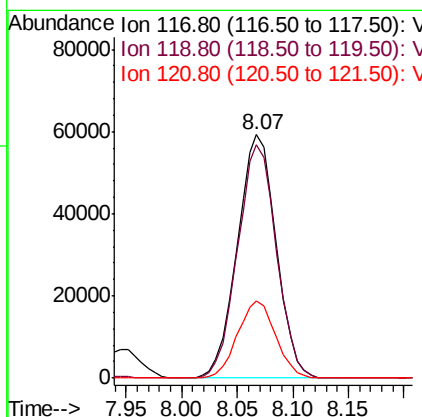
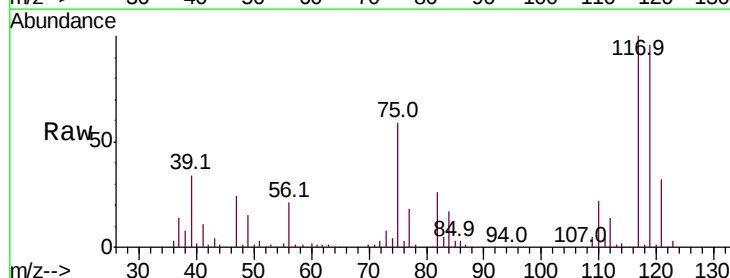
Manual Integrations
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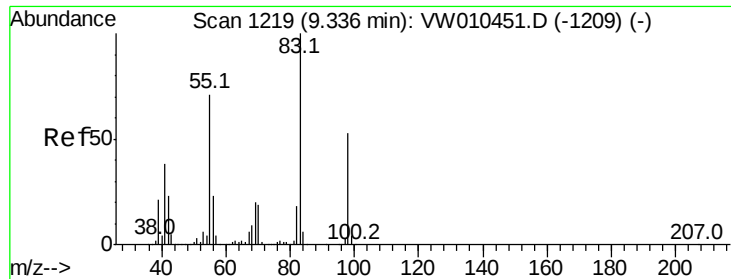
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#38
Carbon Tetrachloride
Concen: 54.382 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW010500.D
Acq: 22 May 2019 10:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	77.4	116.0
121	31.7	25.0	37.6





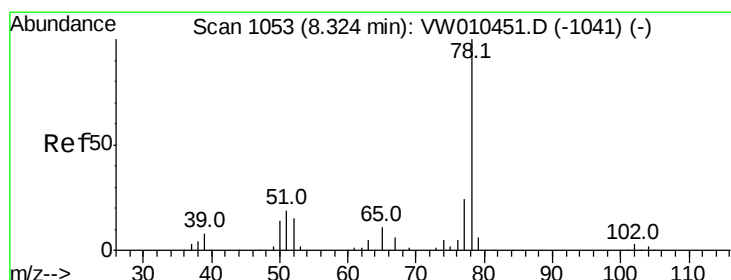
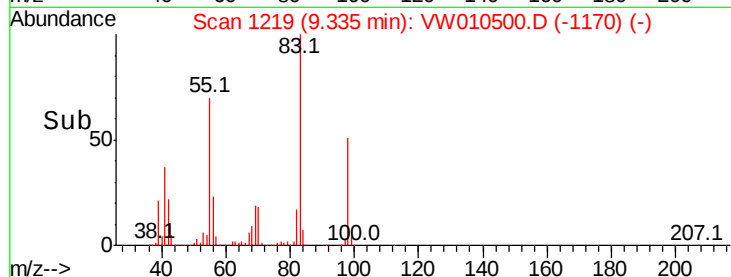
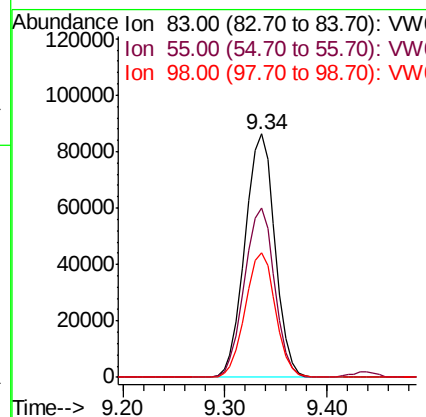
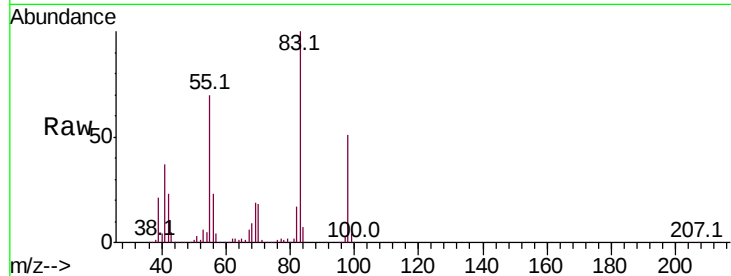
#39
Methvlcvclohexane
Concen: 53.849 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010500.D
Acq: 22 May 2019 10:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	176306		
55	69.5		57.0	85.6
98	51.3		42.0	63.0

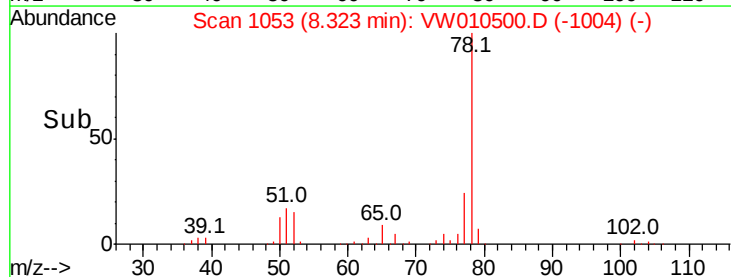
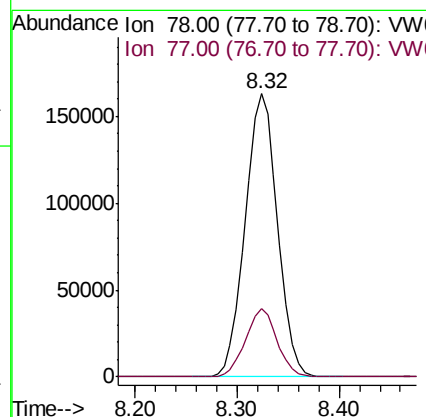
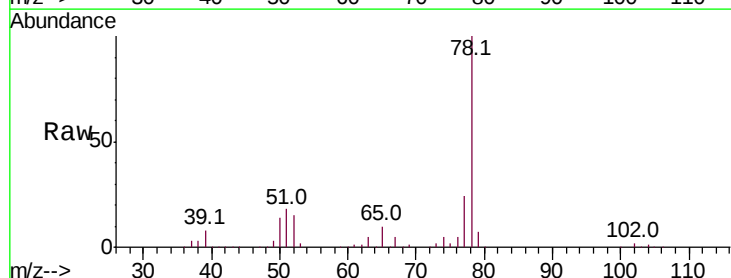
Manual Integrations
APPROVED

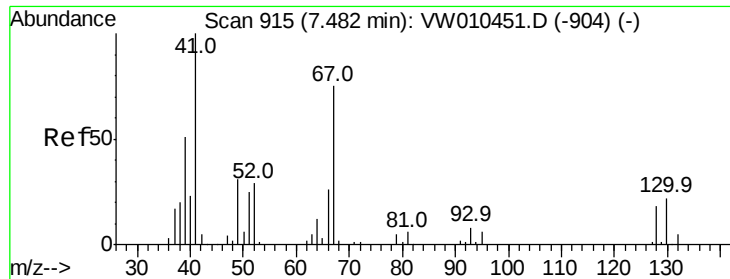
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5/23/2019 11:42:03 AM



#40
Benzene
Concen: 52.758 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010500.D
Acq: 22 May 2019 10:20

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	358351		
77	24.0		18.9	28.3





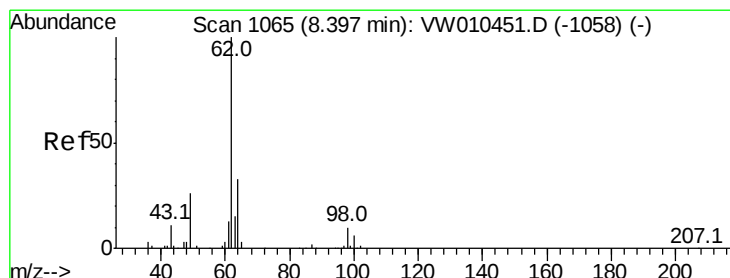
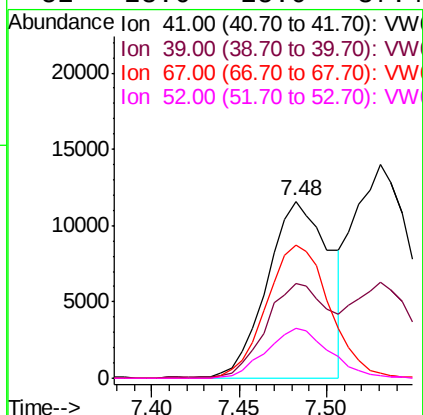
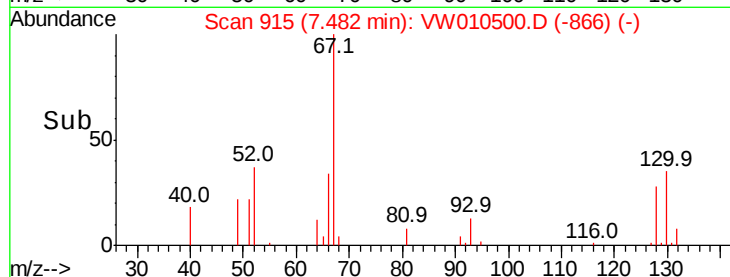
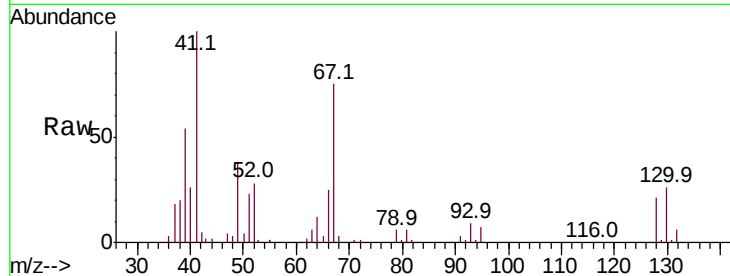
#41
Methacrylonitrile
Concen: 46.956 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW010500.D
Acq: 22 May 2019 10:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	28994
Ion	Ratio	Lower	Upper
41	100		
39	54.4	47.4	71.2
67	76.0	65.5	98.3
52	28.6	25.0	37.4

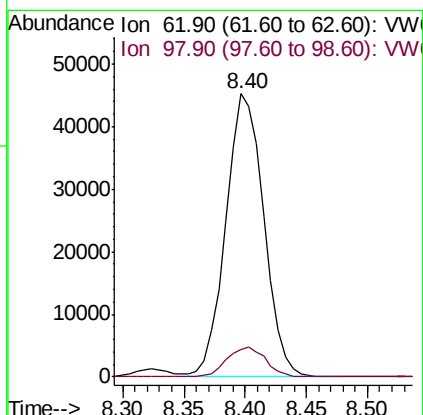
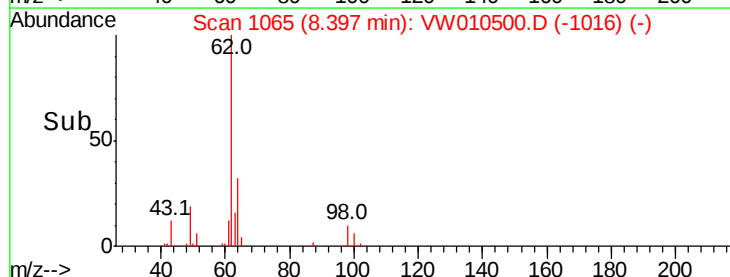
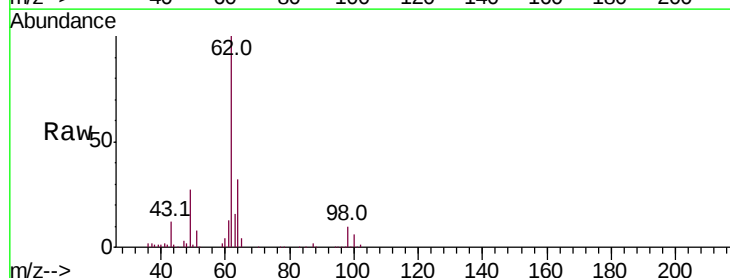
Manual Integrations
APPROVED

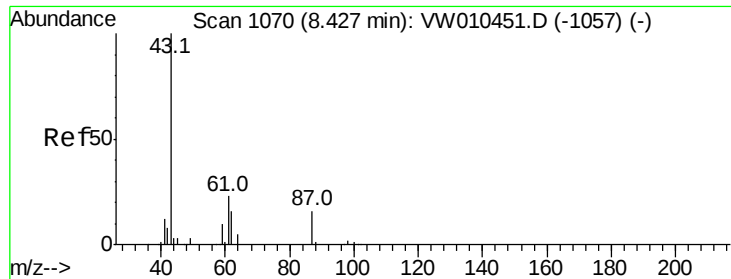
MMDadoda
5/23/2019 11:42:03 AM



#42
1,2-Dichloroethane
Concen: 49.987 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW010500.D
Acq: 22 May 2019 10:20

Tgt Ion	62	Resp	97040
Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	21.0





#43

Isopropyl Acetate

Concen: 44.596 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW010500.D

Acq: 22 May 2019 10:20

Instrument :

MSVOA_W

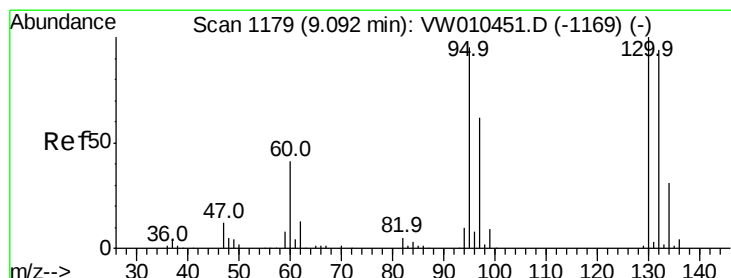
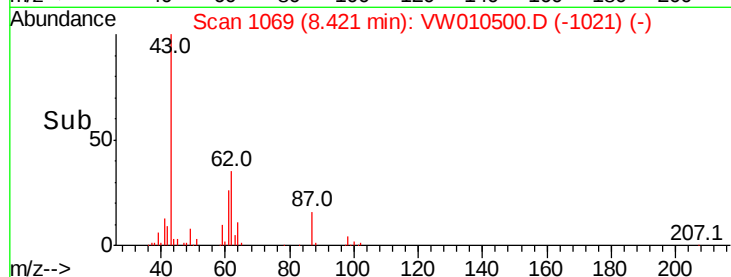
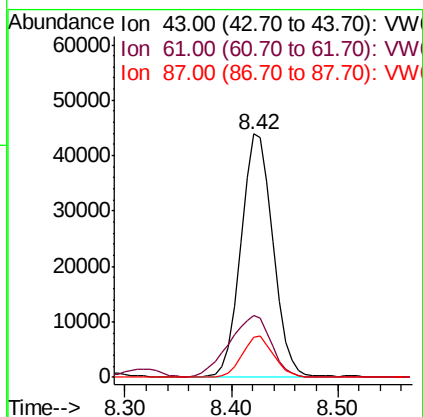
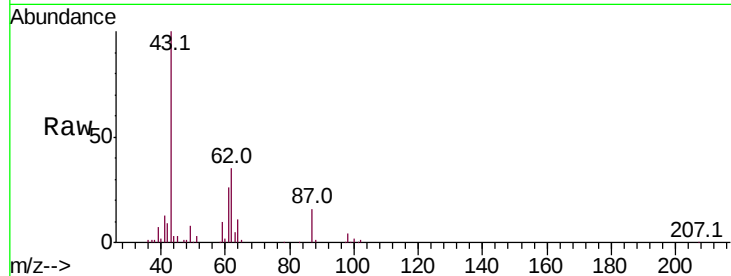
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	92585
Ion	Ratio	Lower	Upper
43	100		
61	33.3	25.4	38.2
87	16.5	12.7	19.1

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#44

Trichloroethene

Concen: 54.008 ug/l

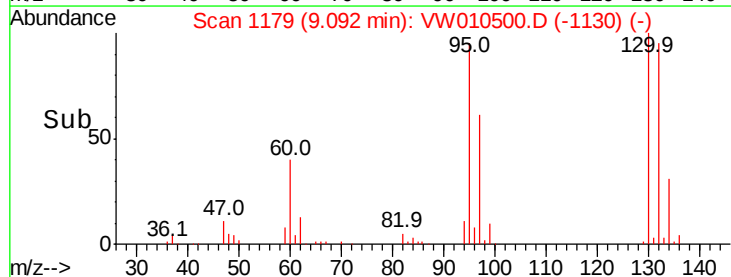
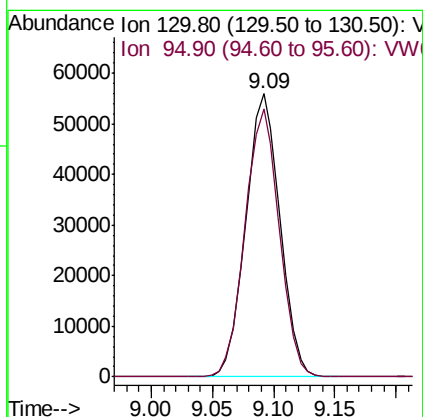
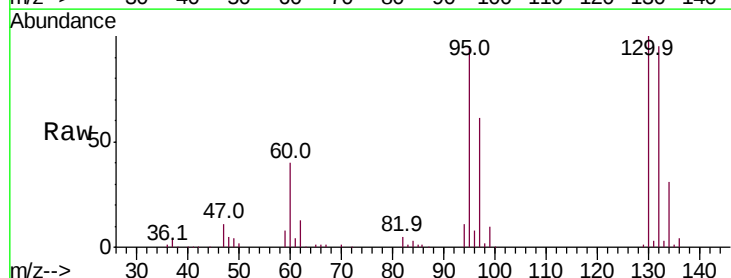
RT: 9.09 min Scan# 1179

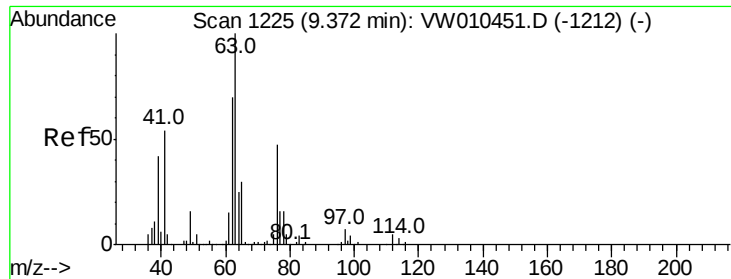
Delta R.T. -0.00 min

Lab File: VW010500.D

Acq: 22 May 2019 10:20

Tgt Ion:	130	Resp:	108907
Ion	Ratio	Lower	Upper
130	100		
95	94.9	0.0	189.6





#45

1,2-Dichloropropane

Concen: 51.378 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VW010500.D

Acq: 22 May 2019 10:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 82881

Ion Ratio Lower Upper

63 100

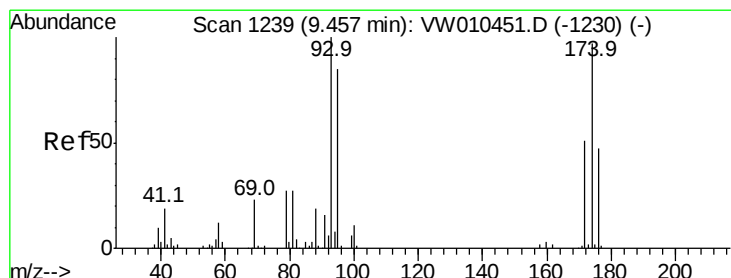
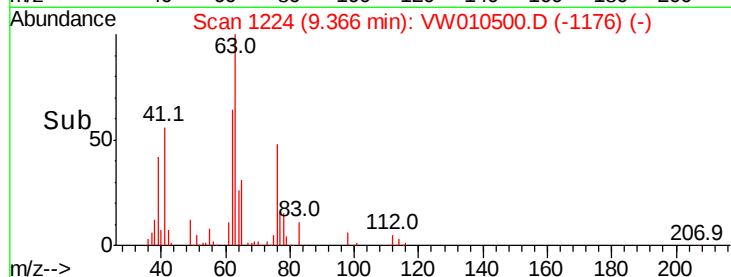
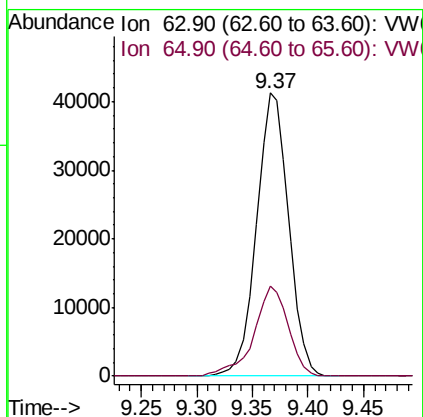
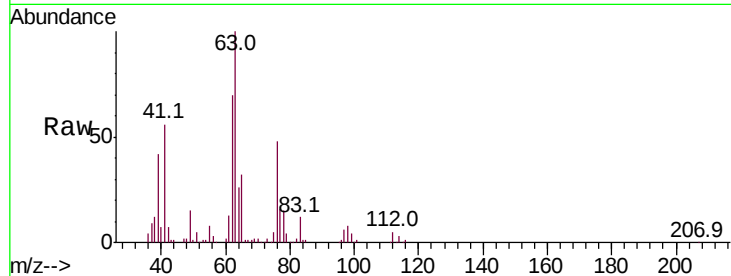
65 31.8 24.3 36.5

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#46

Dibromomethane

Concen: 50.216 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW010500.D

Acq: 22 May 2019 10:20

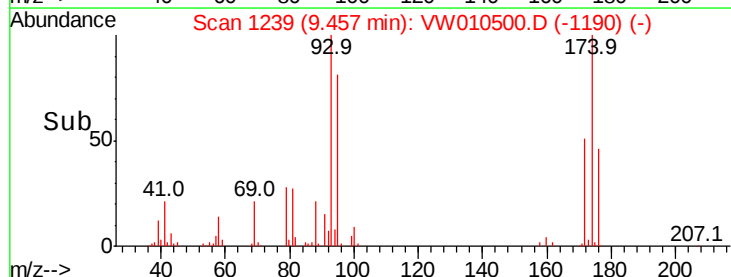
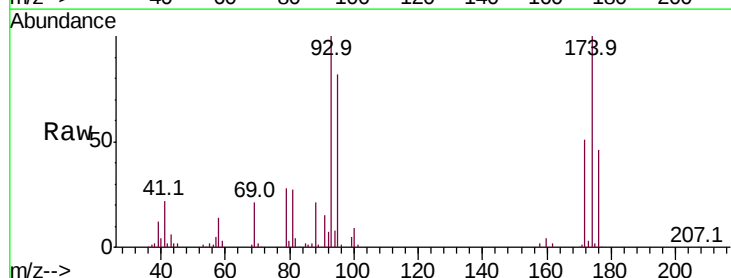
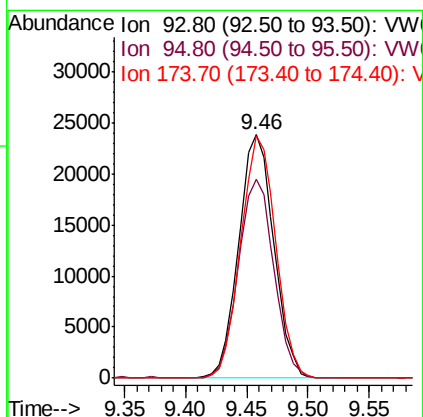
Tgt Ion: 93 Resp: 47374

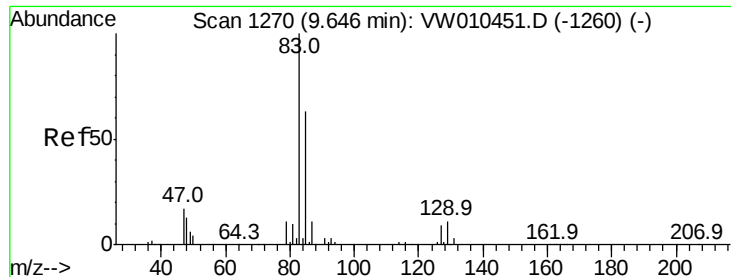
Ion Ratio Lower Upper

93 100

95 82.7 66.1 99.1

174 99.4 77.1 115.7





#47

Bromodichloromethane

Concen: 52.160 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW010500.D

Acq: 22 May 2019 10:20

Instrument :

MSVOA_W

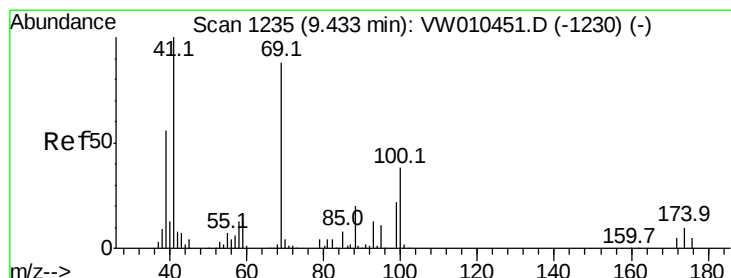
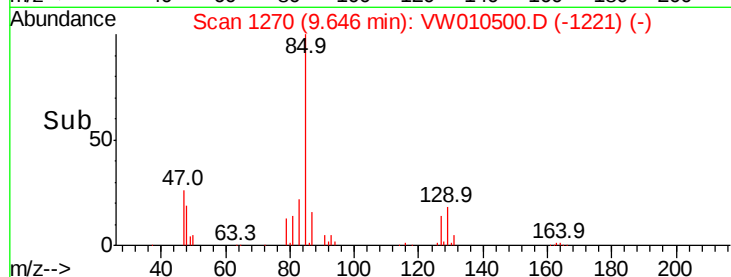
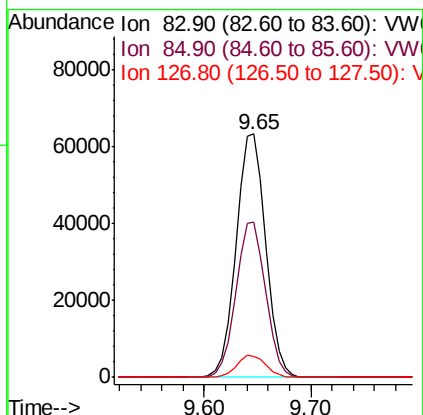
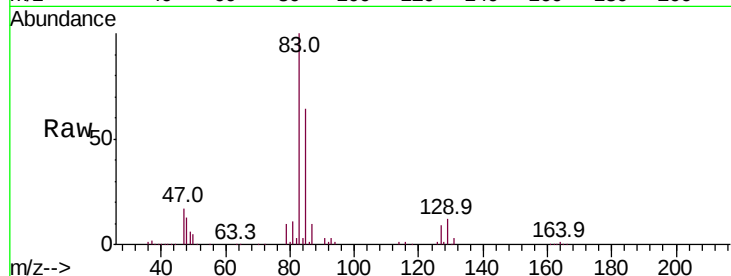
ClientSampleId :

VSTDCCC050

Tot Ion	83	Resp	123658
Ion Ratio	Lower	Upper	
83	100		
85	64.0	50.4	75.6
127	8.8	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 47.418 ug/l

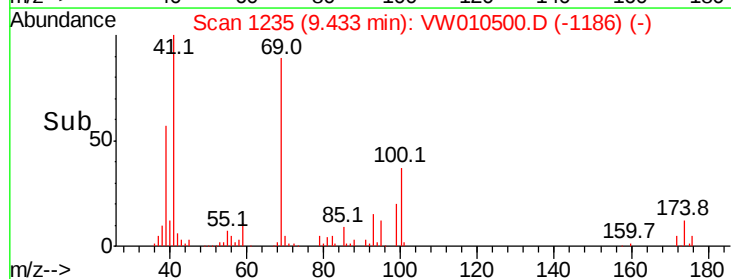
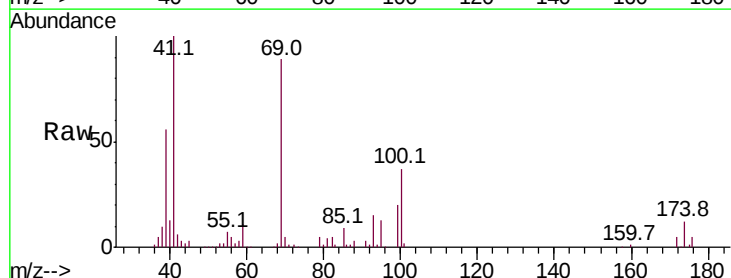
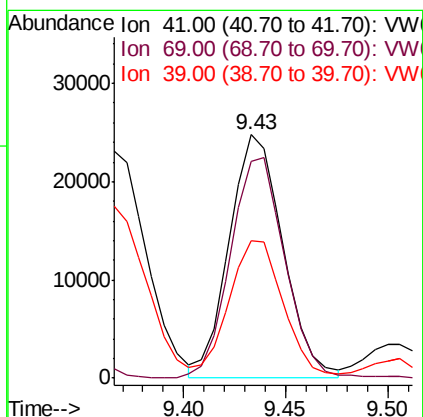
RT: 9.43 min Scan# 1235

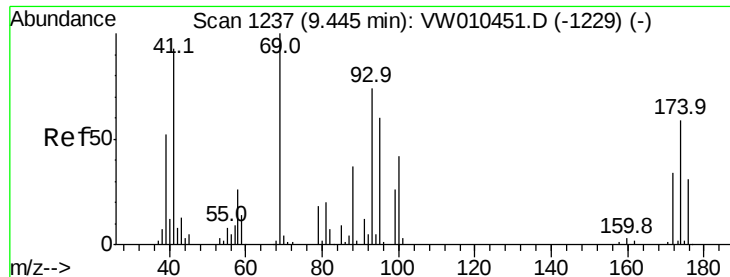
Delta R.T. -0.00 min

Lab File: VW010500.D

Acq: 22 May 2019 10:20

Tgt Ion	41	Resp	45037
Ion Ratio	Lower	Upper	
41	100		
69	92.6	77.6	116.4
39	53.4	49.8	74.8





#49

1,4-Dioxane

Concen: 807.596 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.02 min

Lab File: VW010500.D

Acq: 22 May 2019 10:20

Instrument :

MSVOA_W

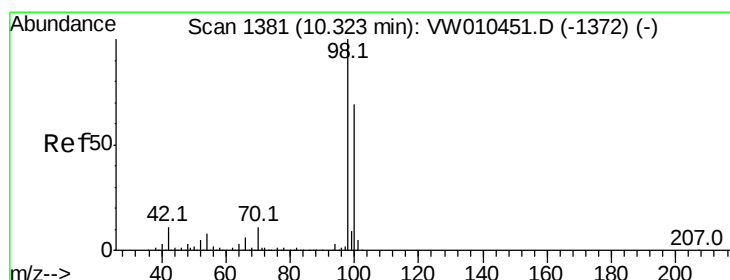
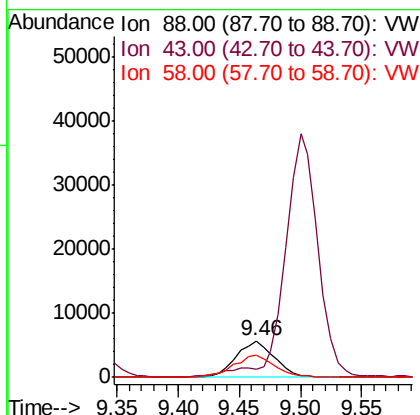
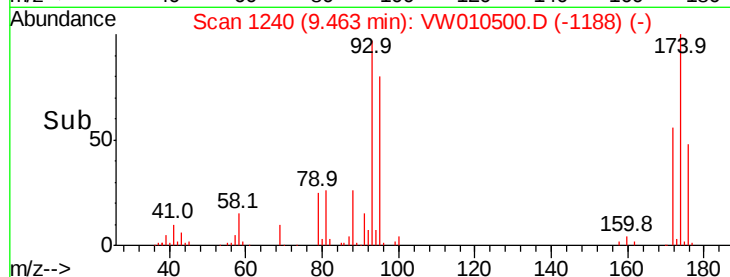
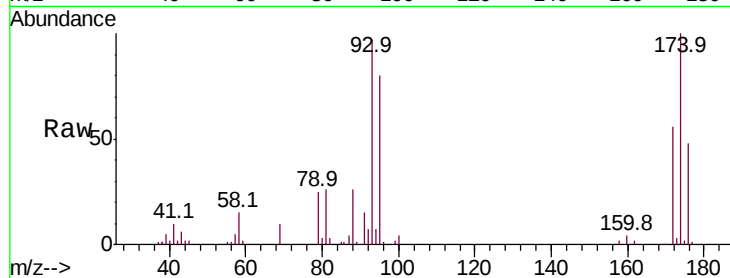
ClientSampled :

VSTDCCC050

Tot Ion:	88	Resp:	12446
Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.9	38.9#
58	66.3	52.7	79.1

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#50

Toluene-d8

Concen: 49.925 ug/l

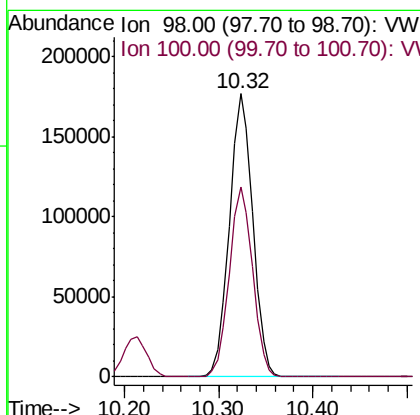
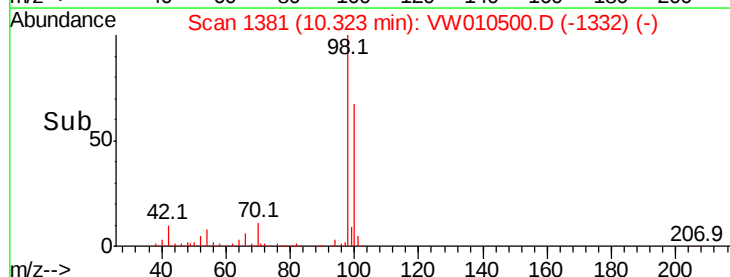
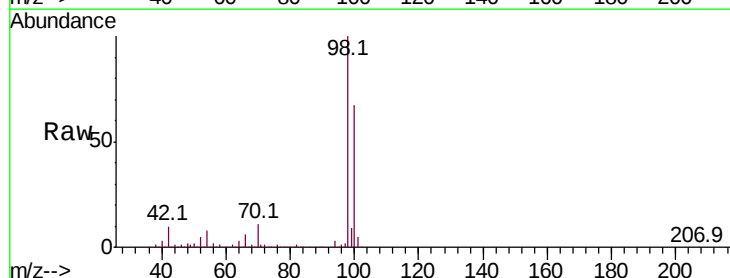
RT: 10.32 min Scan# 1381

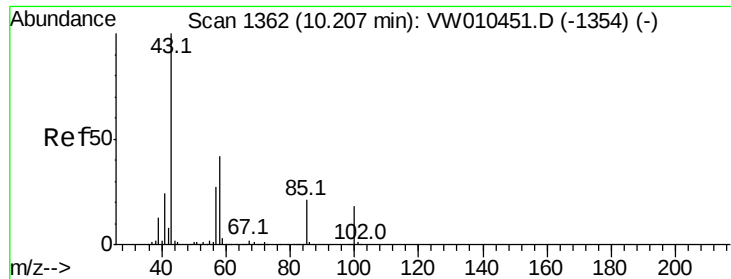
Delta R.T. -0.00 min

Lab File: VW010500.D

Acq: 22 May 2019 10:20

Tgt Ion:	98	Resp:	303595
Ion	Ratio	Lower	Upper
98	100		
100	67.2	53.7	80.5





#51

4-Methyl-2-Pentanone

Concen: 216.150 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW010500.D

Acq: 22 May 2019 10:20

Instrument :

MSVOA_W

ClientSampleID :

VSTDCCC050

Tot Ion: 43 Resp: 227392

Ion Ratio Lower Upper

43 100

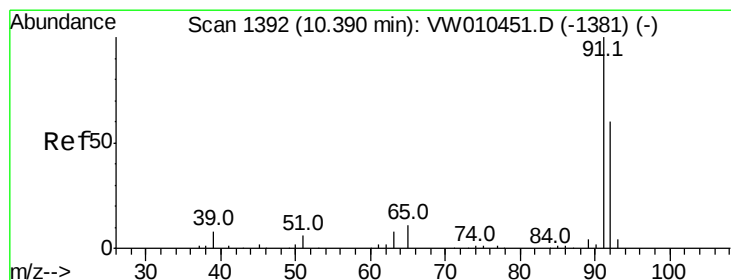
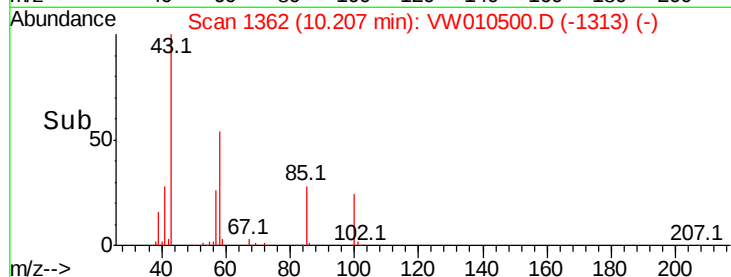
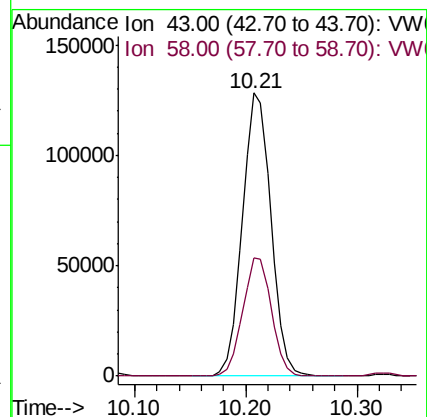
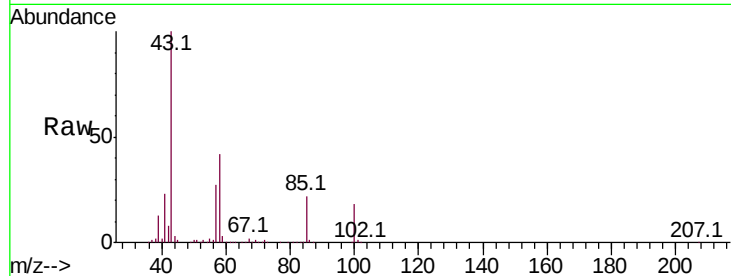
58 42.2 33.2 49.8

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#52

Toluene

Concen: 53.328 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010500.D

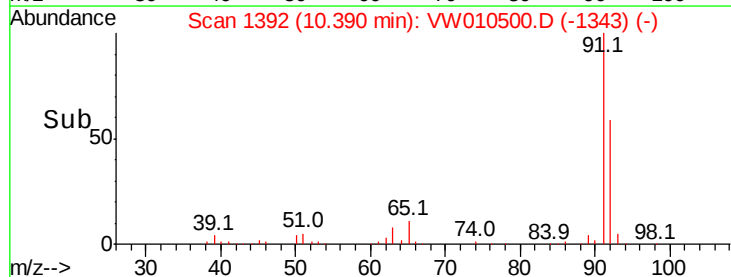
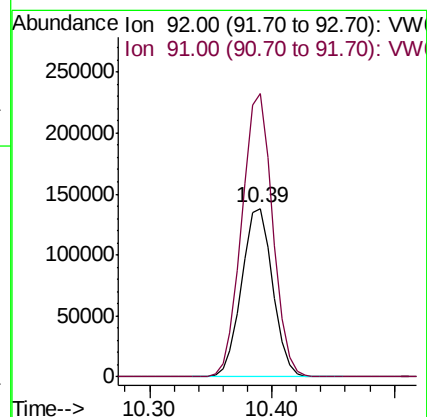
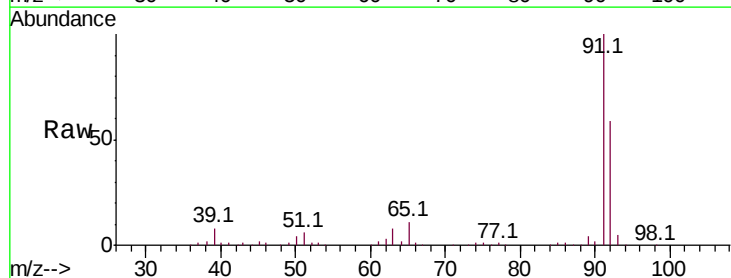
Acq: 22 May 2019 10:20

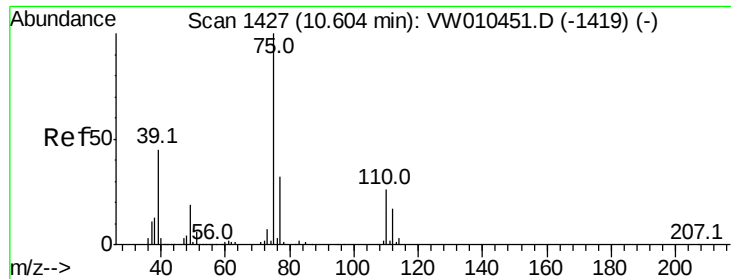
Tgt Ion: 92 Resp: 243258

Ion Ratio Lower Upper

92 100

91 167.0 135.4 203.0





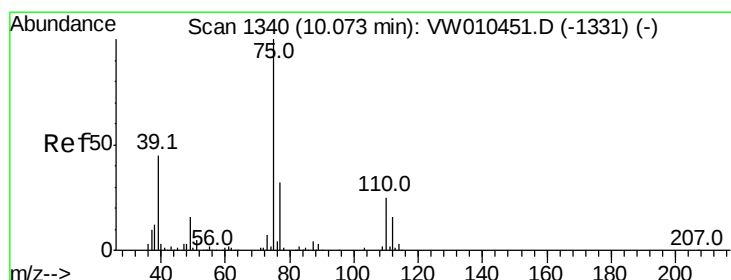
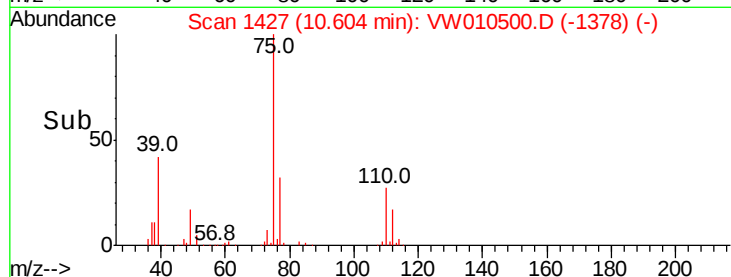
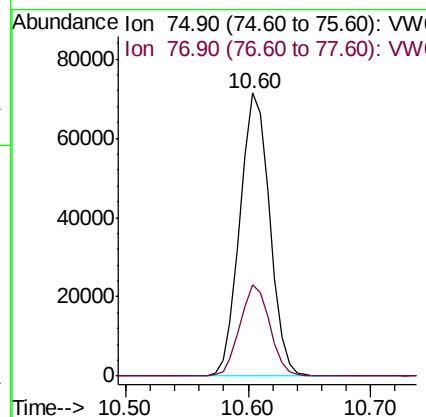
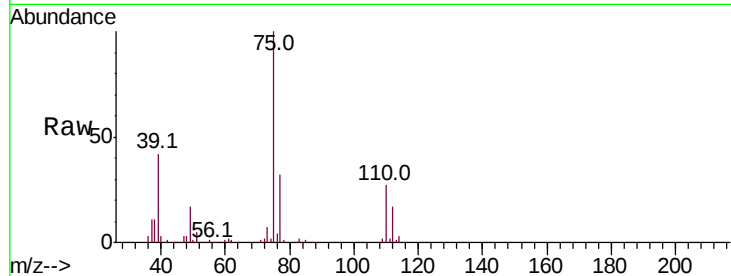
#53
 t-1,3-Dichloropropene
 Concen: 50.143 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW010500.D
 Acq: 22 May 2019 10:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.4	38.0

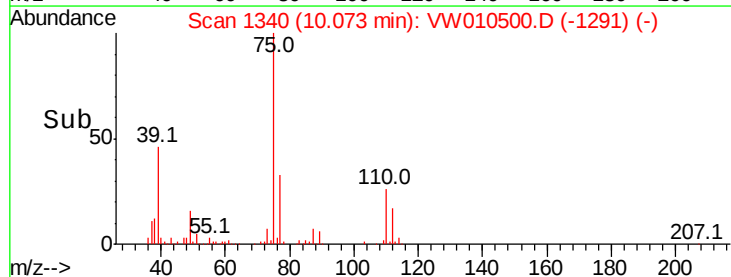
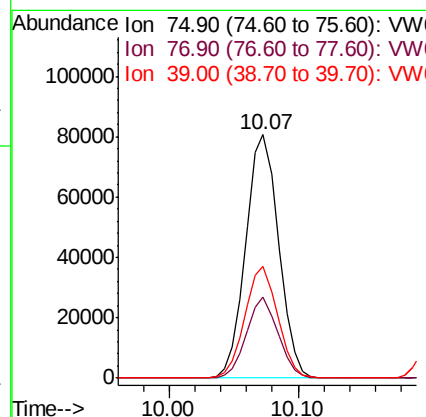
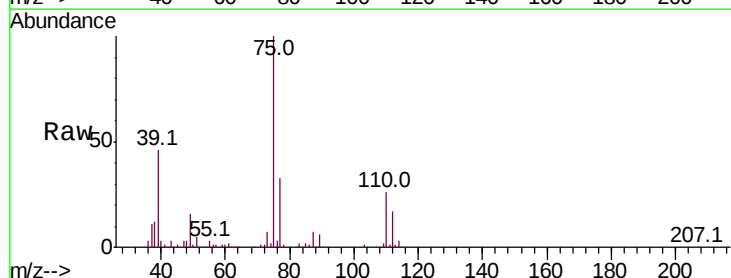
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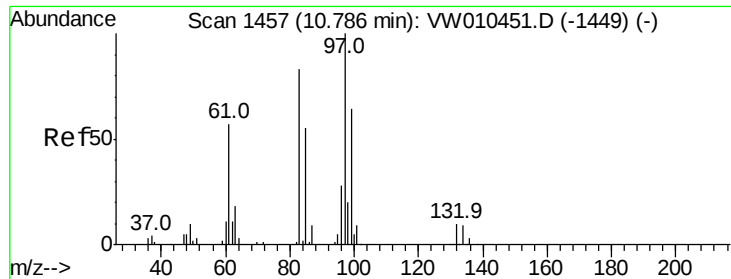
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#54
 cis-1,3-Dichloropropene
 Concen: 51.948 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW010500.D
 Acq: 22 May 2019 10:20

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.1	25.7	38.5
39	46.1	36.2	54.4





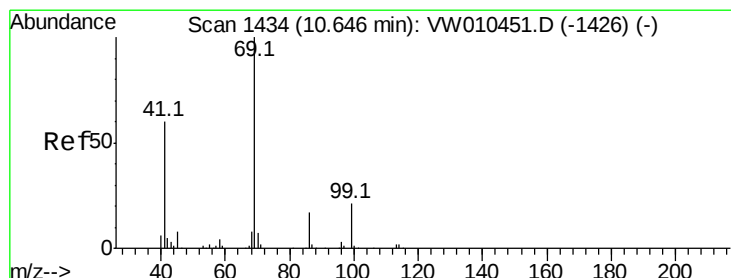
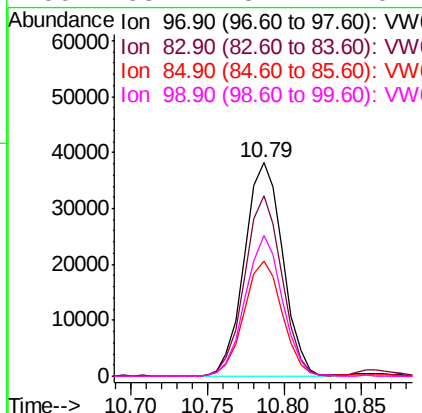
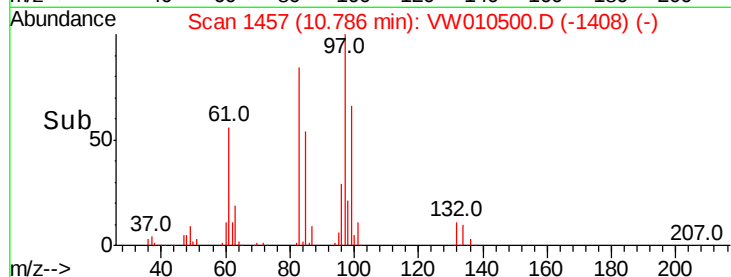
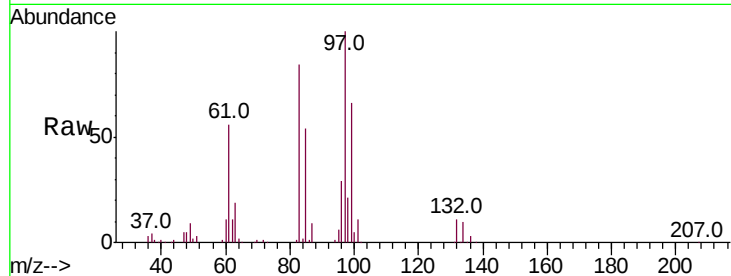
#55
 1,1,2-Trichloroethane
 Concen: 49.350 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010500.D
 Acq: 22 May 2019 10:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	66950
Ion	Ratio	Lower	Upper
97	100		
83	84.3	66.1	99.1
85	54.0	44.2	66.4
99	65.7	51.1	76.7

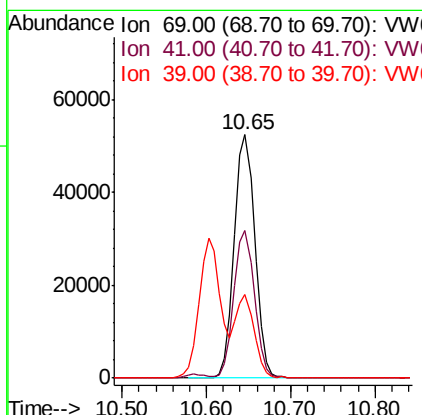
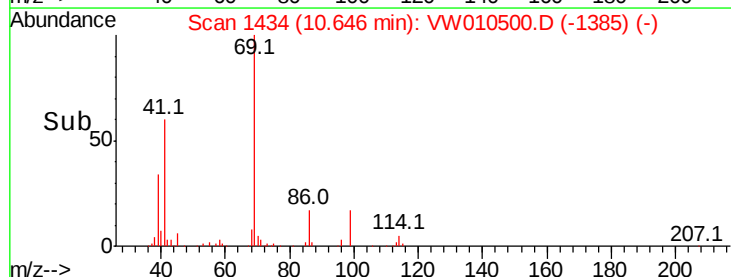
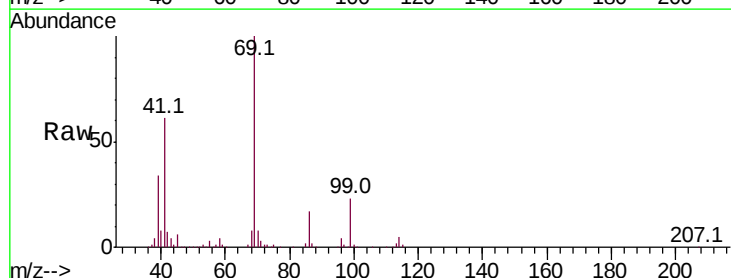
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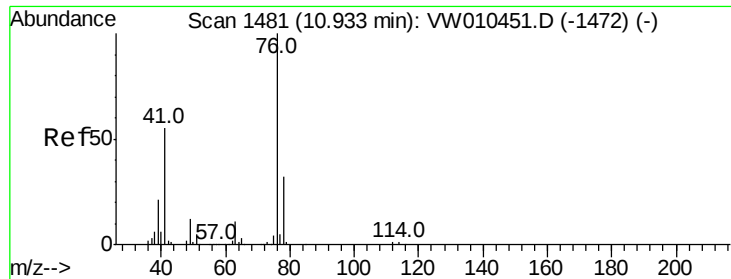
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#56
 Ethyl methacrylate
 Concen: 46.245 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010500.D
 Acq: 22 May 2019 10:20

Tgt Ion:	69	Resp:	86525
Ion	Ratio	Lower	Upper
69	100		
41	60.2	47.7	71.5
39	30.7	25.3	37.9





#57

1,3-Dichloropropane

Concen: 49.921 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW010500.D

Acq: 22 May 2019 10:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 113442

Ion Ratio Lower Upper

76 100

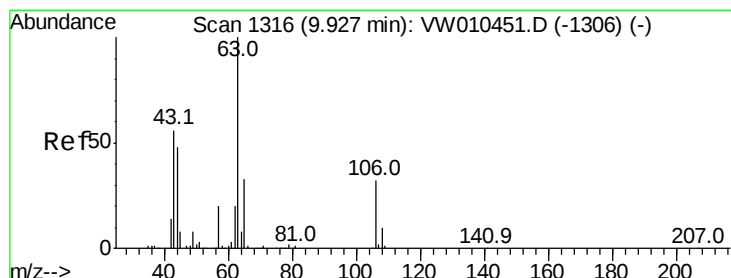
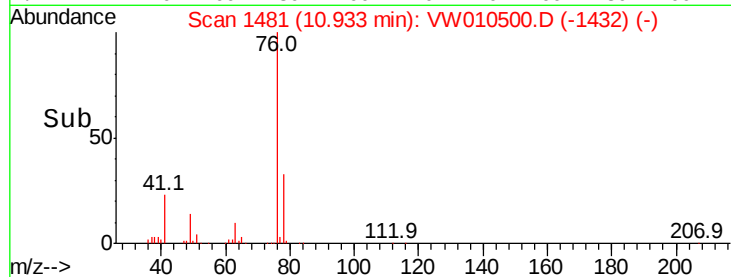
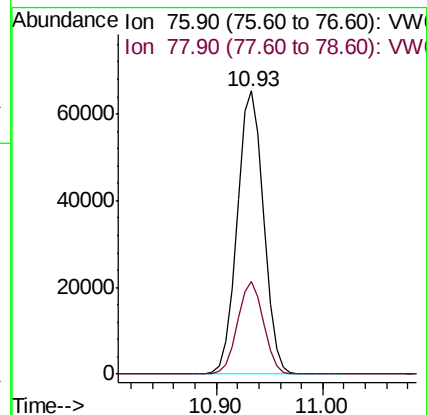
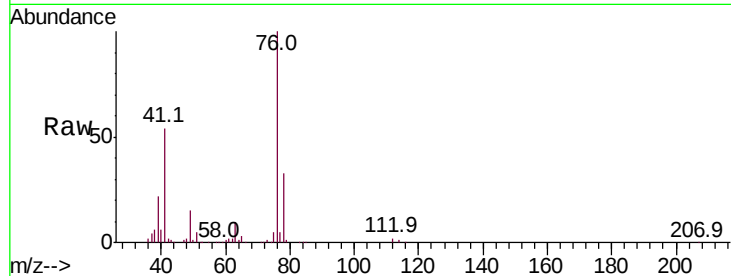
78 32.2 26.2 39.2

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 222.431 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VW010500.D

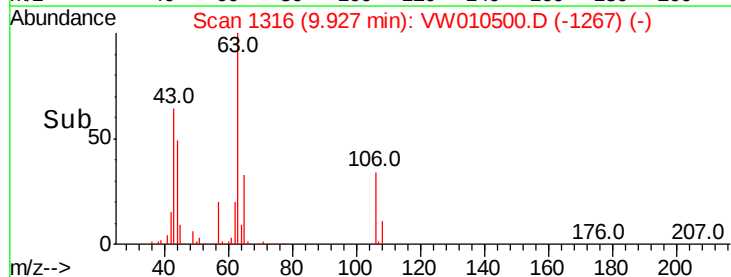
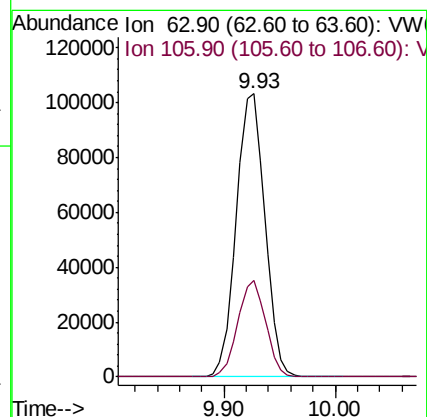
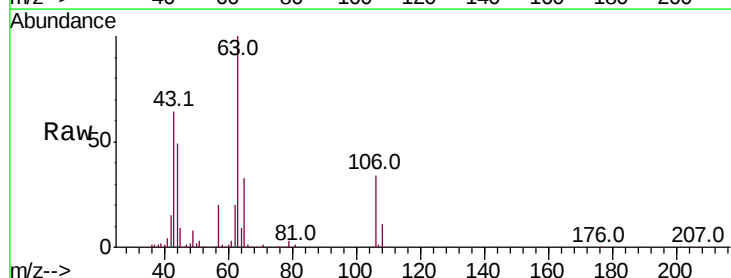
Acq: 22 May 2019 10:20

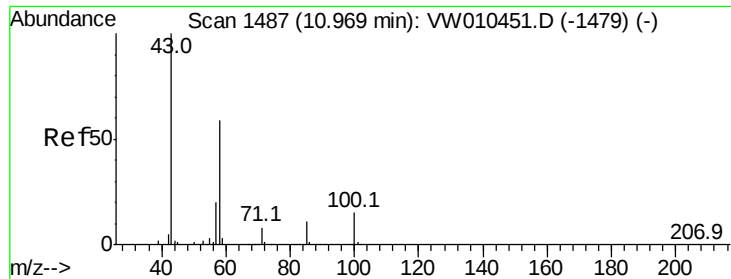
Tgt Ion: 63 Resp: 184335

Ion Ratio Lower Upper

63 100

106 33.1 25.8 38.6





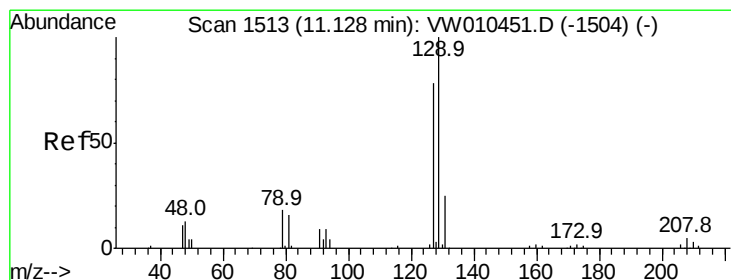
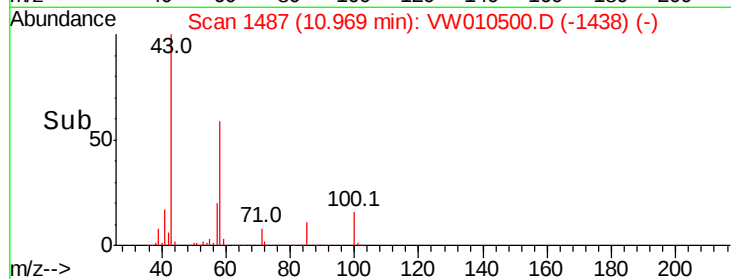
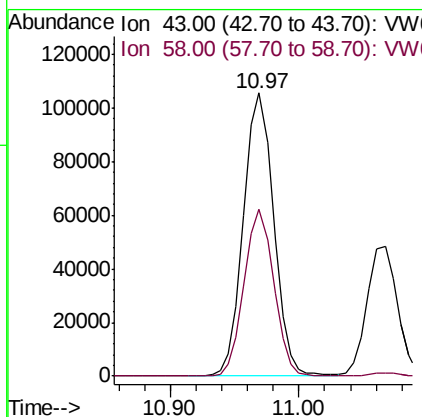
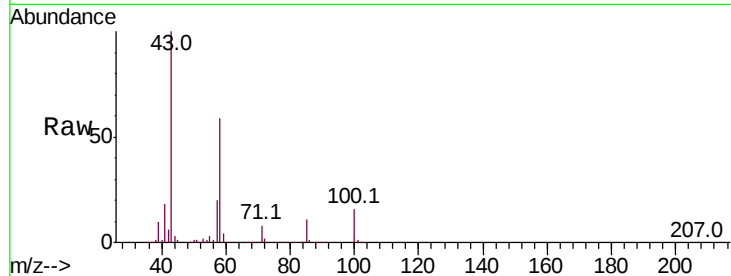
#59
2-Hexanone
Concen: 229.314 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010500.D
Acq: 22 May 2019 10:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 172088
Ion Ratio Lower Upper
43 100
58 57.9 28.9 86.8

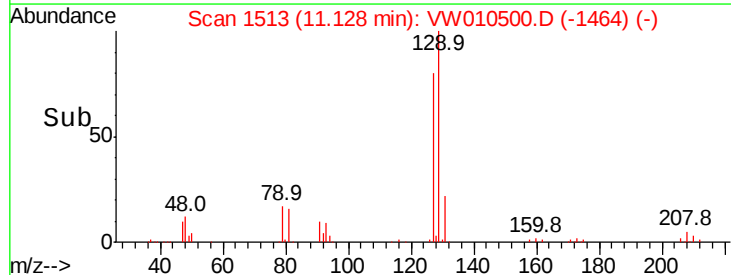
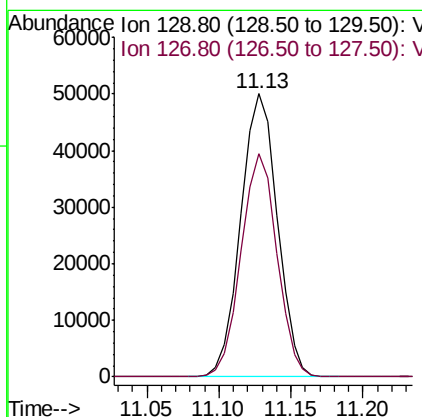
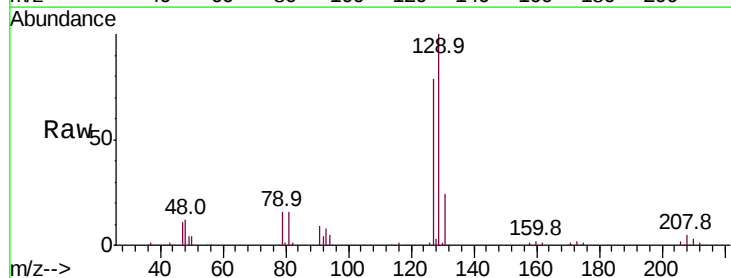
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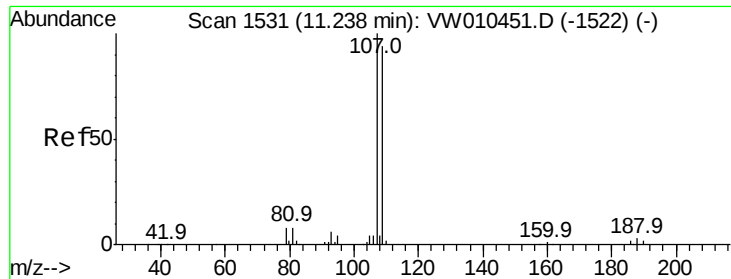
MMDadoda
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#60
Dibromochloromethane
Concen: 51.371 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010500.D
Acq: 22 May 2019 10:20

Tgt Ion: 129 Resp: 88202
Ion Ratio Lower Upper
129 100
127 77.2 38.9 116.7





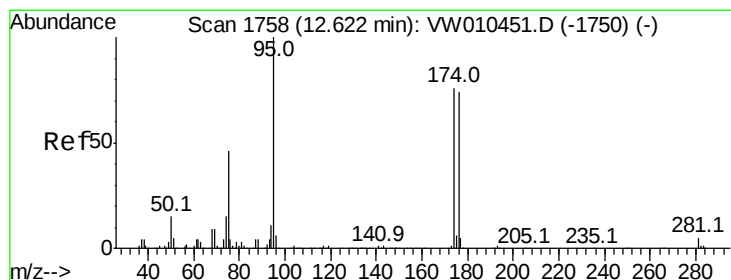
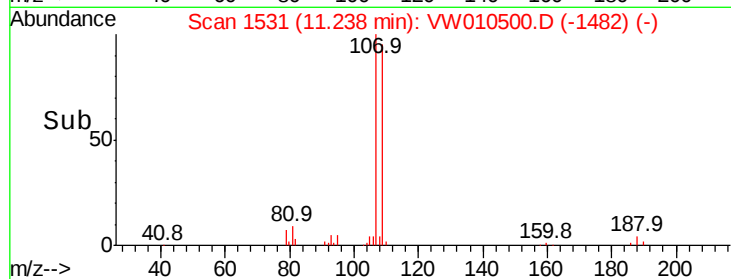
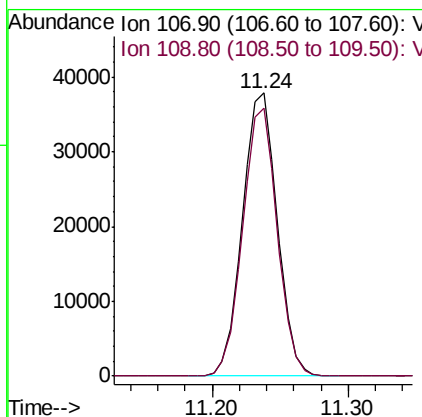
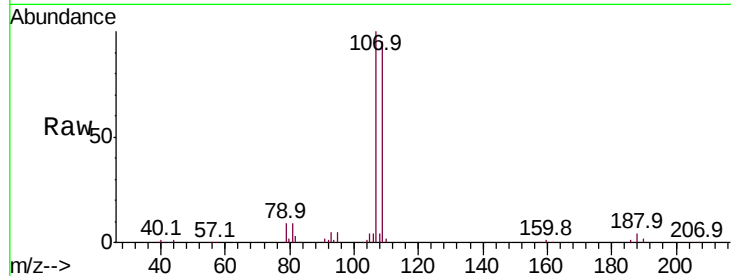
#61
 1,2-Dibromoethane
 Concen: 49.356 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW010500.D
 Acq: 22 May 2019 10:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.0	112.4

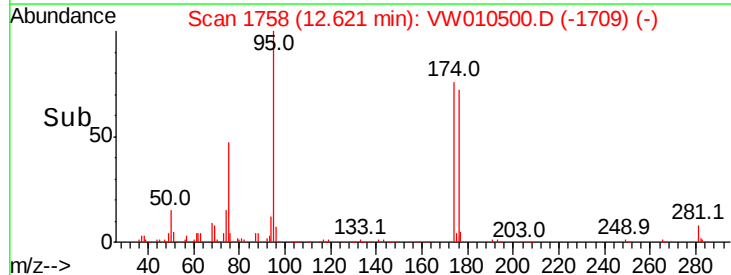
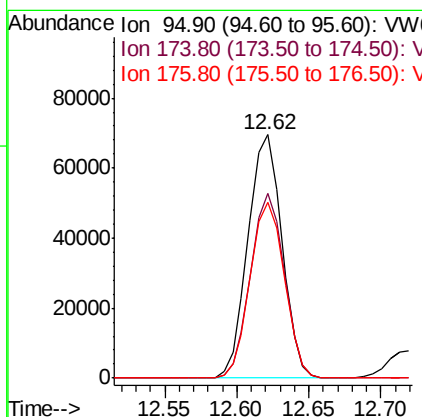
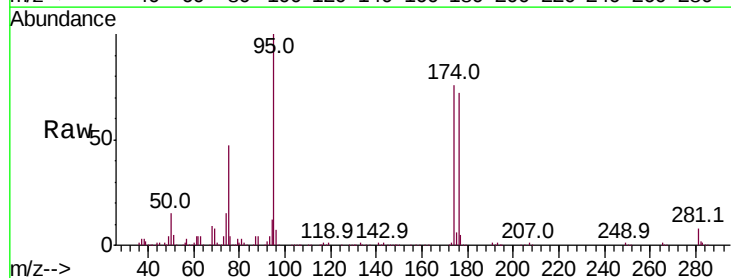
Manual Integrations
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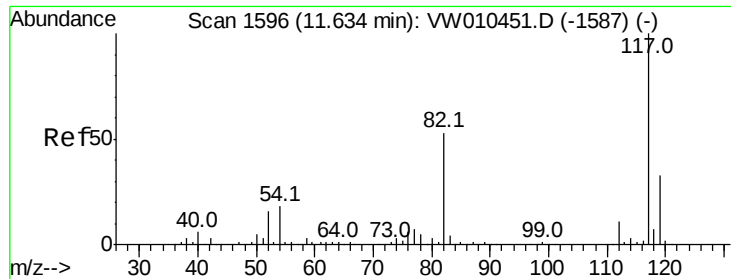
MMDadoda
 5/23/2019 11:42:03 AM



#62
 4-Bromofluorobenzene
 Concen: 46.905 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010500.D
 Acq: 22 May 2019 10:20

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.5	0.0	148.6
176	72.9	0.0	144.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW010500.D

Acq: 22 May 2019 10:20

Instrument :

MSVOA_W

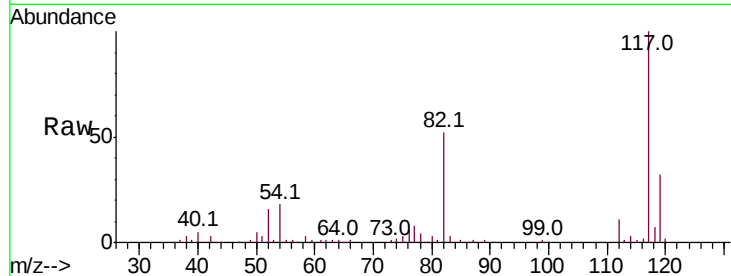
ClientSampleId :

VSTDCCC050

Tot Ion:	117	Resp:	229437
Ion Ratio	Lower	Upper	
117	100		
82	52.2	42.8	64.2
119	32.2	26.3	39.5

Manual Integrations
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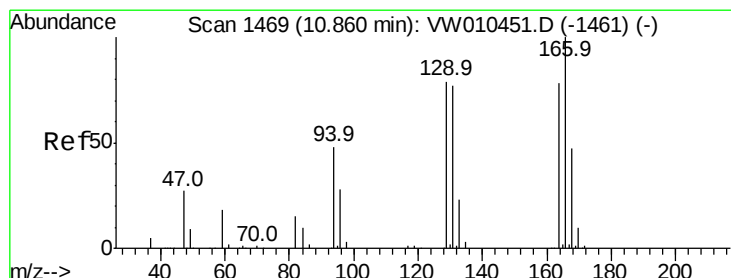
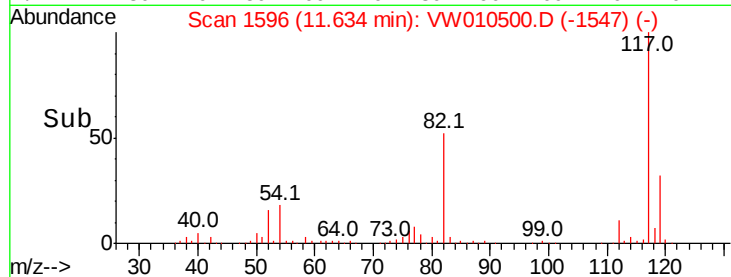
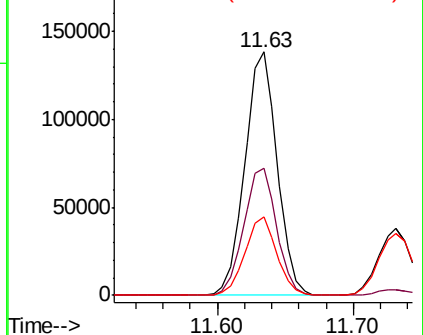


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 53.737 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW010500.D

Acq: 22 May 2019 10:20

Tgt Ion:	164	Resp:	85946
Ion Ratio	Lower	Upper	
164	100		
166	123.6	101.9	152.9
129	97.5	80.6	121.0
131	94.2	78.2	117.2

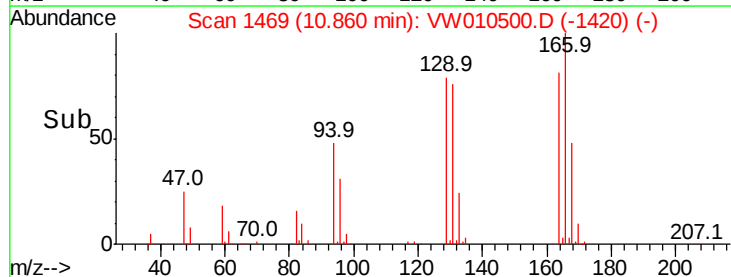
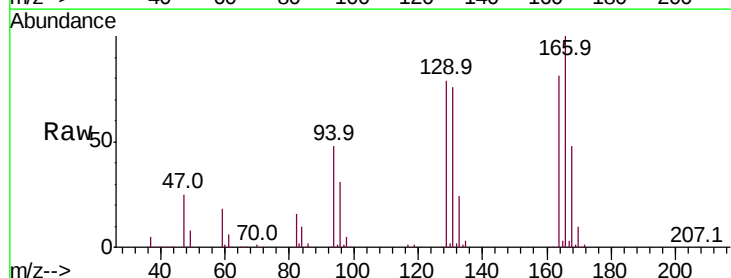
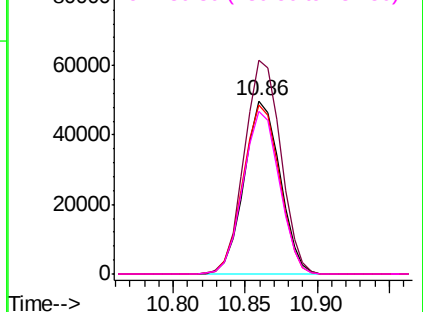
Abundance

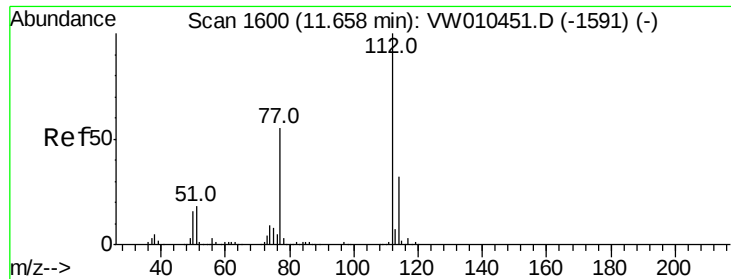
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





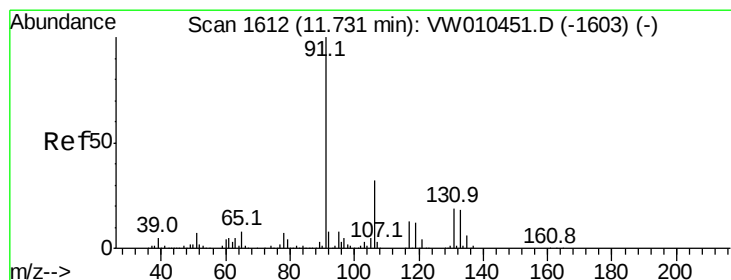
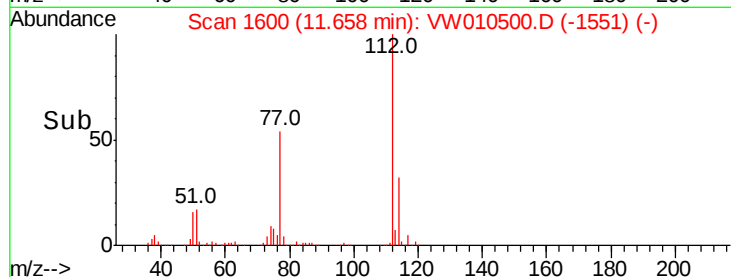
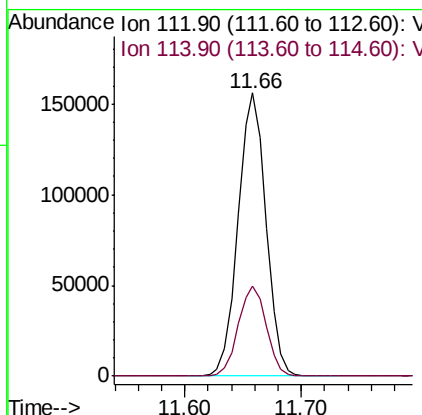
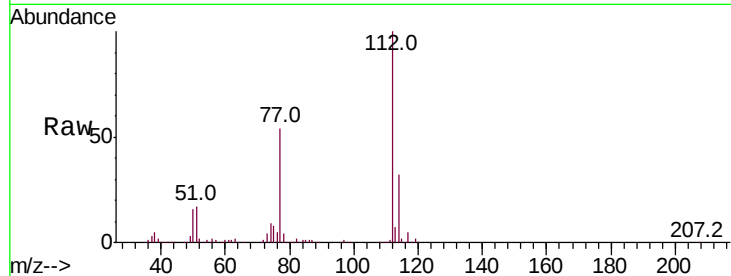
#65
Chlorobenzene
Concen: 53.288 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010500.D
Acq: 22 May 2019 10:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 260569
Ion Ratio Lower Upper
112 100
114 32.1 25.3 37.9

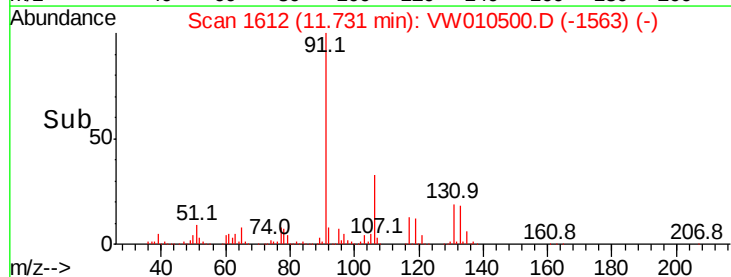
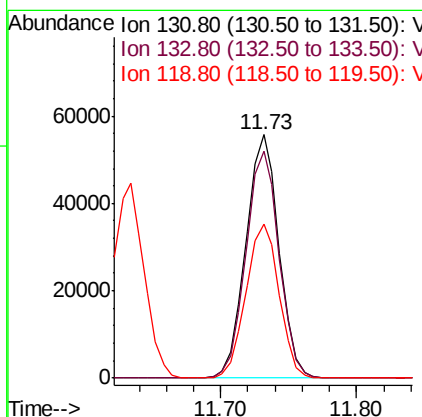
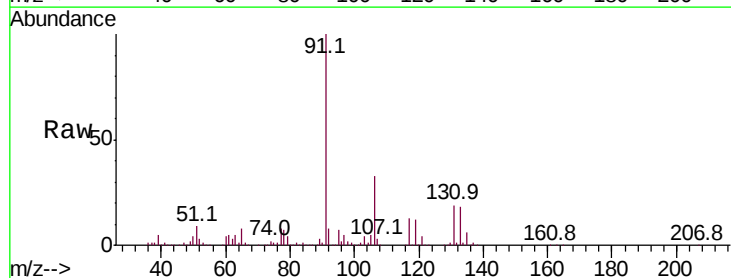
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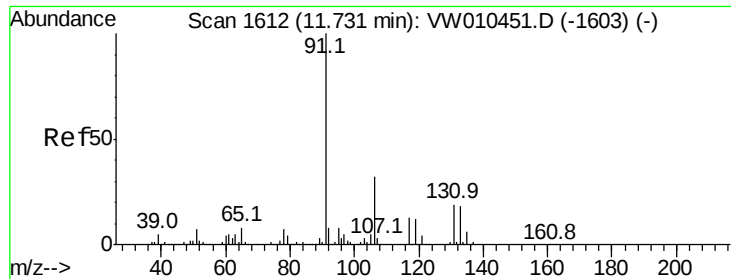
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.812 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010500.D
Acq: 22 May 2019 10:20

Tgt Ion:131 Resp: 94260
Ion Ratio Lower Upper
131 100
133 93.9 47.3 141.9
119 63.9 32.1 96.5





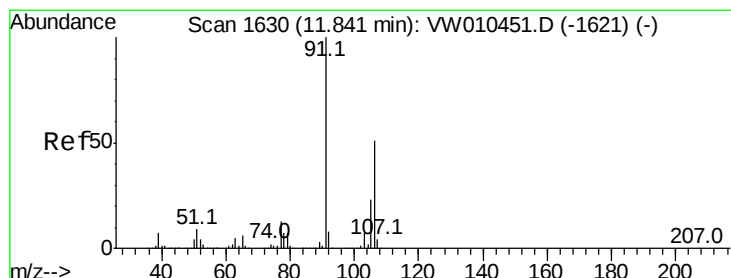
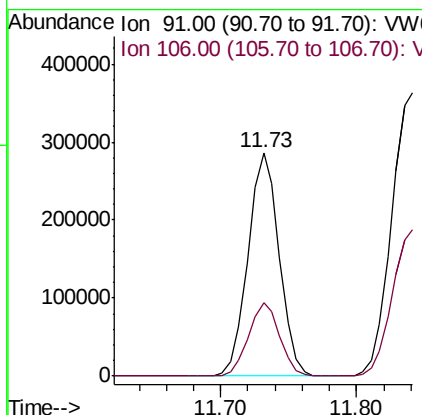
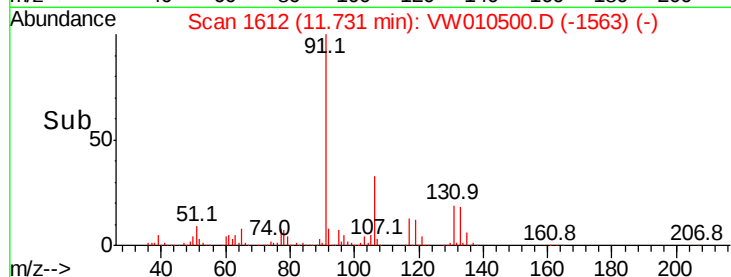
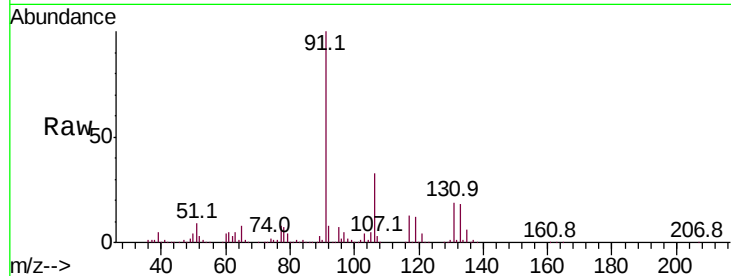
#67
Ethyl Benzene
Concen: 53.150 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010500.D
Acq: 22 May 2019 10:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 458850
Ion Ratio Lower Upper
91 100
106 32.7 25.9 38.9

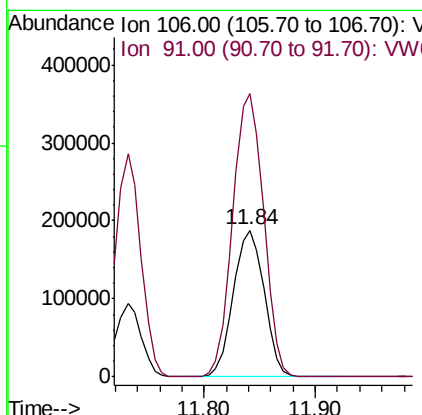
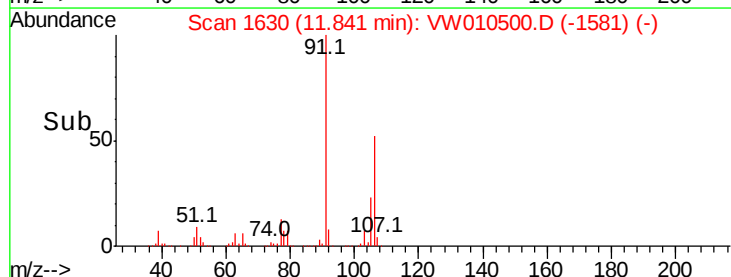
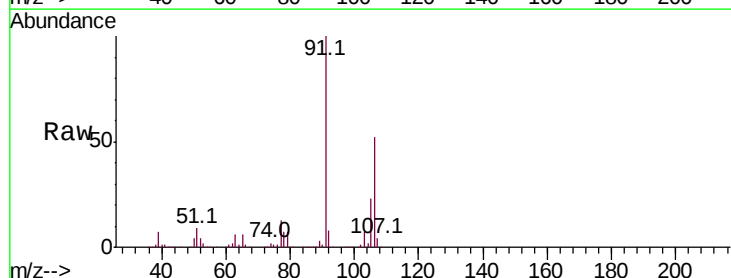
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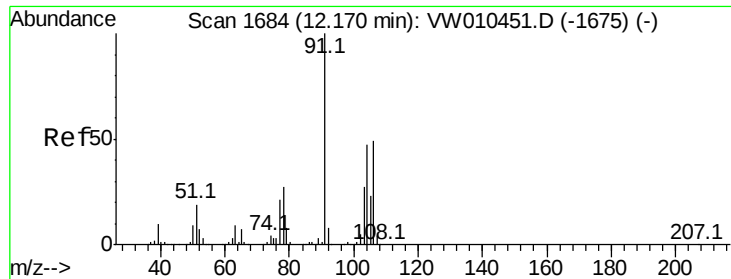
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#68
m/p-Xylenes
Concen: 106.059 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010500.D
Acq: 22 May 2019 10:20

Tgt Ion: 106 Resp: 359139
Ion Ratio Lower Upper
106 100
91 194.6 156.0 234.0





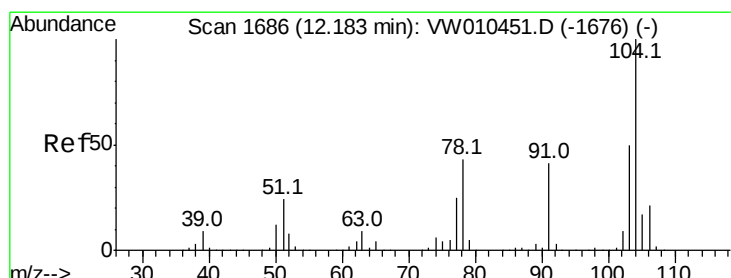
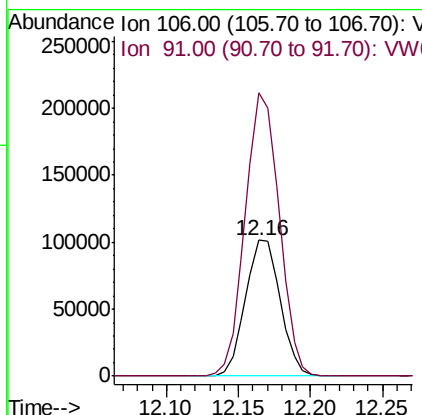
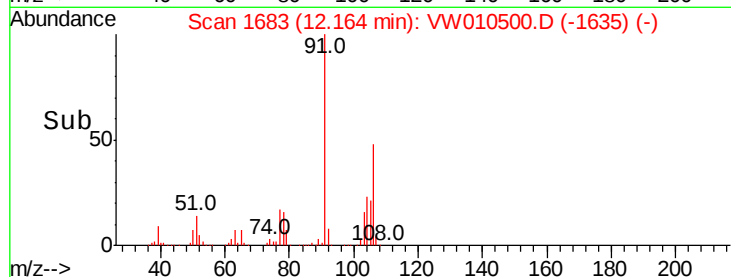
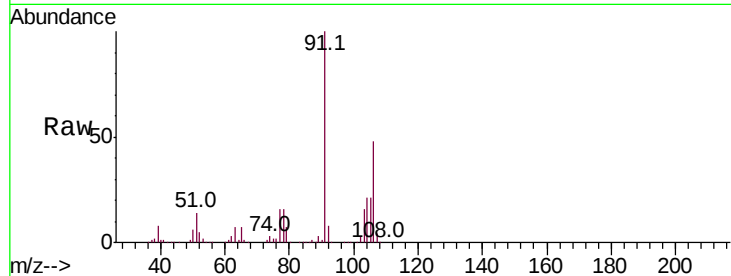
#69
o-Xylene
Concen: 52.903 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010500.D
Acq: 22 May 2019 10:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 169725
Ion Ratio Lower Upper
106 100
91 204.6 103.2 309.4

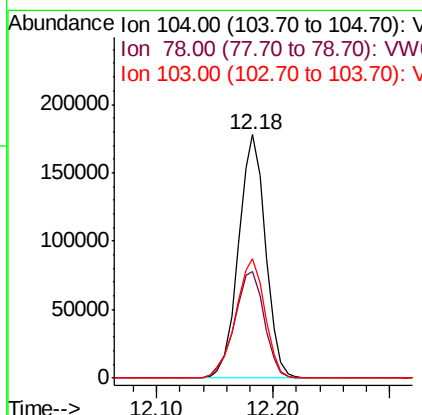
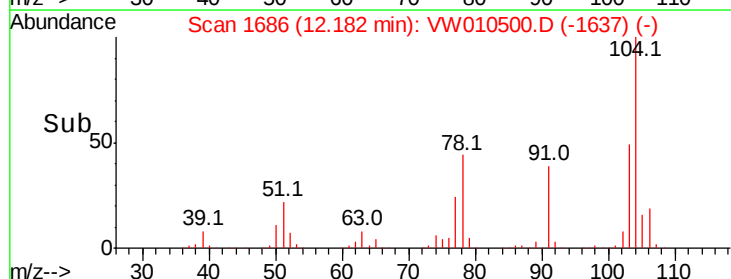
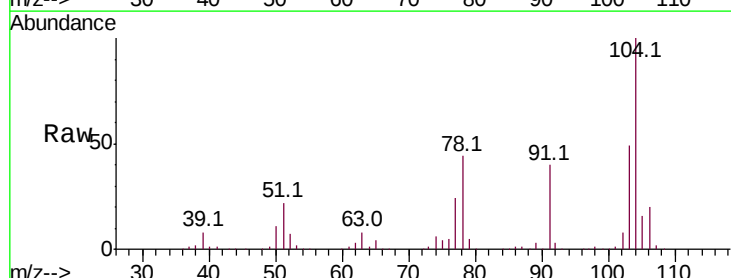
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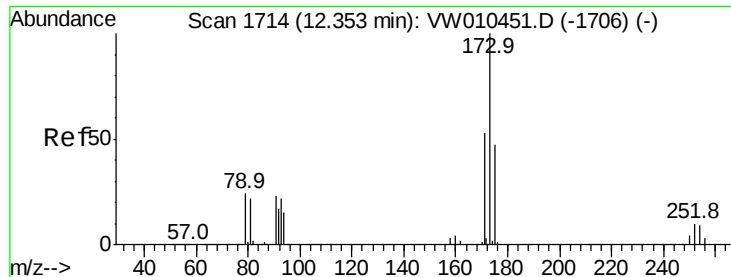
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#70
Styrene
Concen: 52.810 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010500.D
Acq: 22 May 2019 10:20

Tgt Ion:104 Resp: 287470
Ion Ratio Lower Upper
104 100
78 48.6 39.0 58.4
103 53.1 43.0 64.6





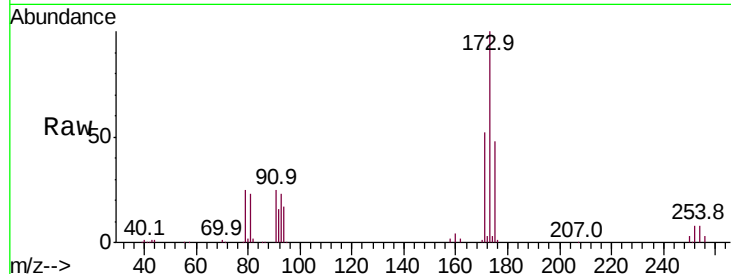
#71
Bromoform
Concen: 49.871 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.01 min
Lab File: VW010500.D
Acq: 22 May 2019 10:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

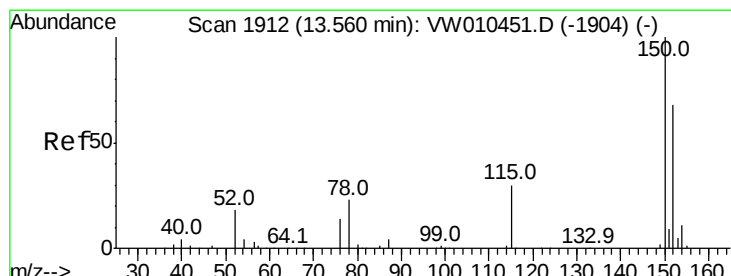
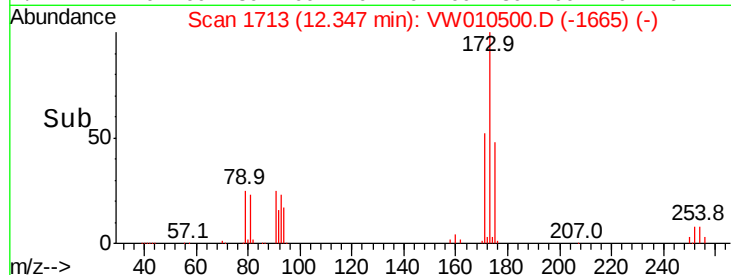
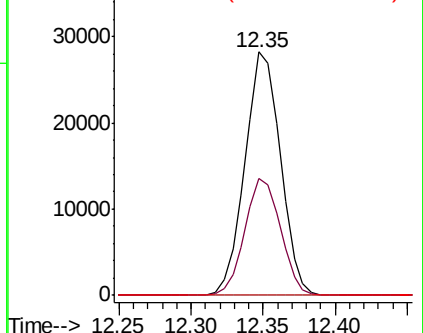
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.4	73.4
254	0.0	0.0	0.0

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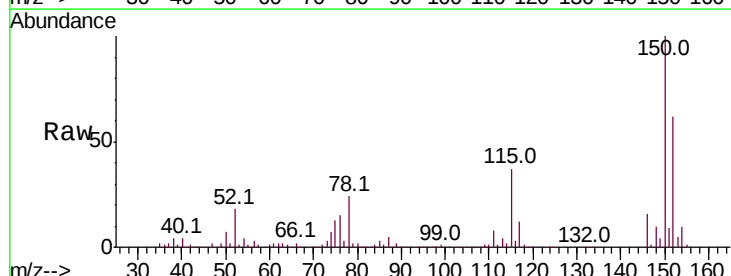


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

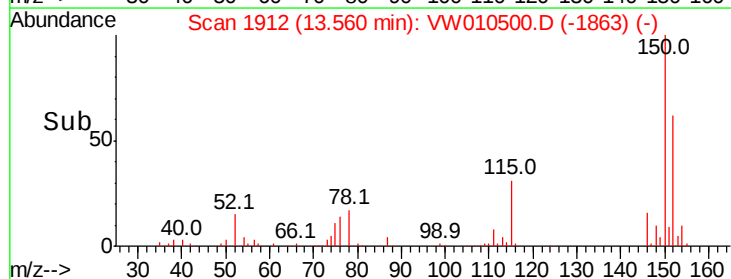
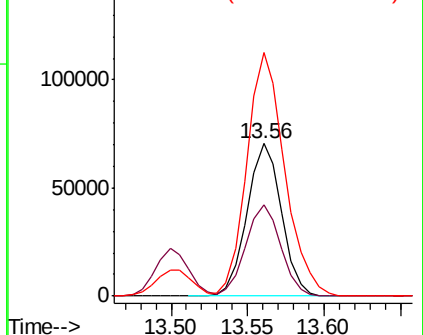


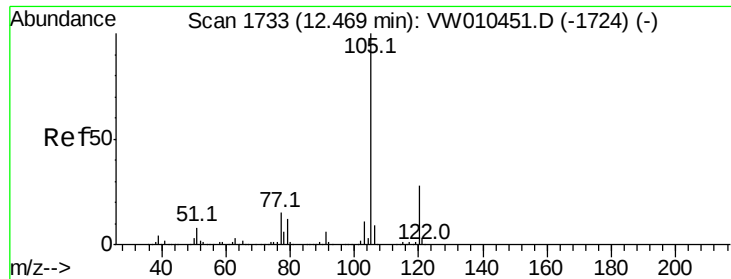
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010500.D
Acq: 22 May 2019 10:20

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.2	30.3	91.0
150	175.1	0.0	349.8



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





#73

Isopropylbenzene

Concen: 52.816 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW010500.D

Acq: 22 May 2019 10:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 462554

Ion Ratio Lower Upper

105 100

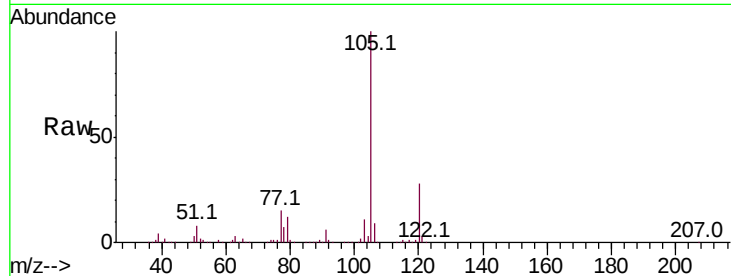
120 28.0 13.9 41.7

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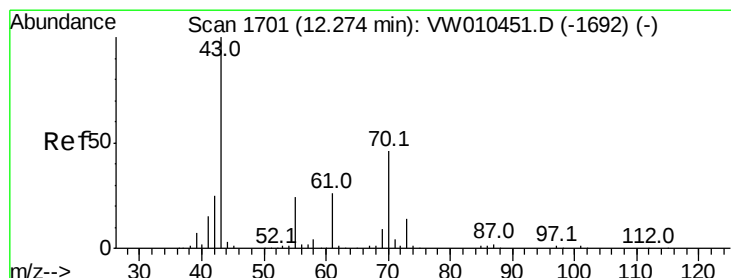
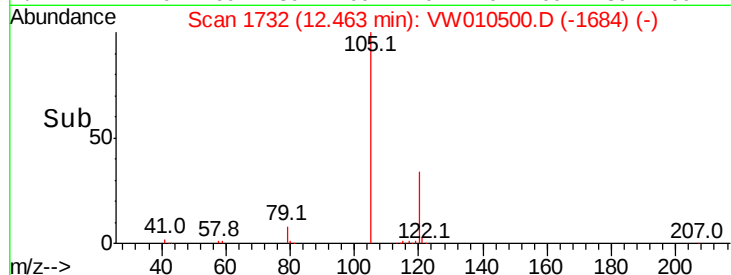
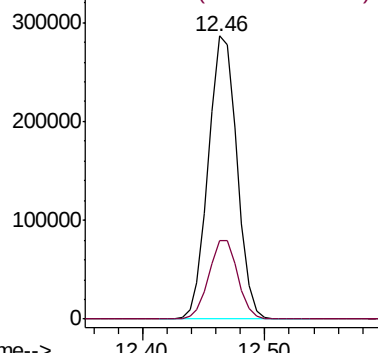
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 42.928 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010500.D

Acq: 22 May 2019 10:20

Tgt Ion: 43 Resp: 86153

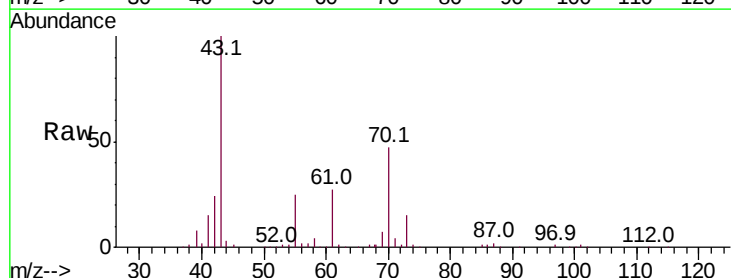
Ion Ratio Lower Upper

43 100

70 47.9 37.1 55.7

55 25.3 19.6 29.4

61 26.9 20.7 31.1

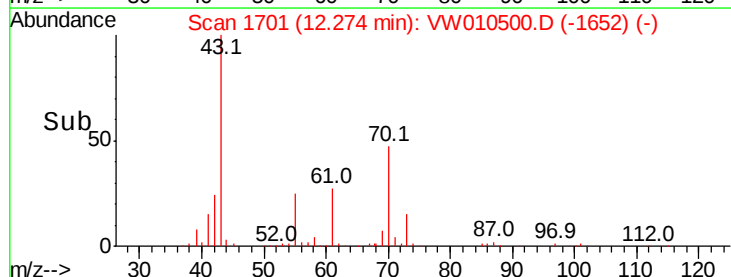
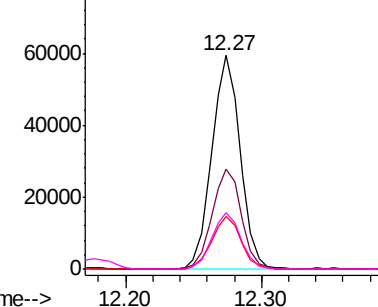


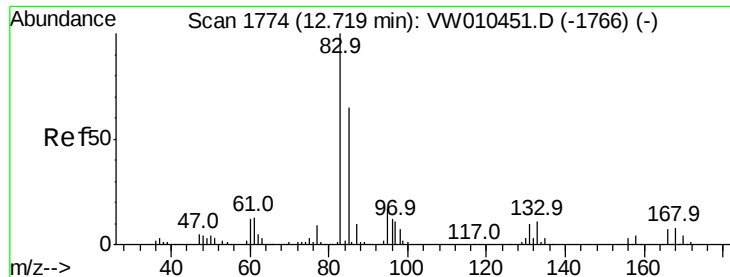
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 46.448 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW010500.D

Acq: 22 May 2019 10:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 73988

Ion Ratio Lower Upper

83 100

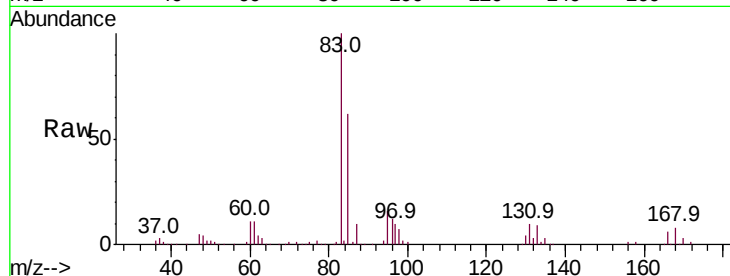
131 11.6 5.6 16.8

85 65.0 32.4 97.0

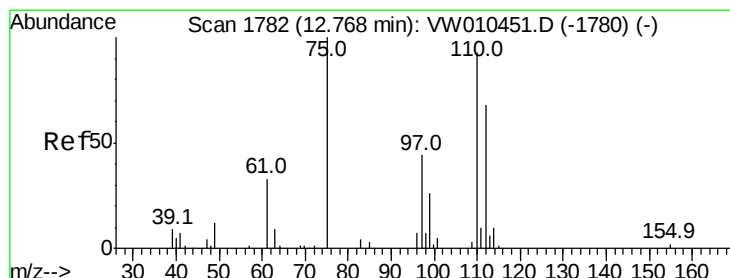
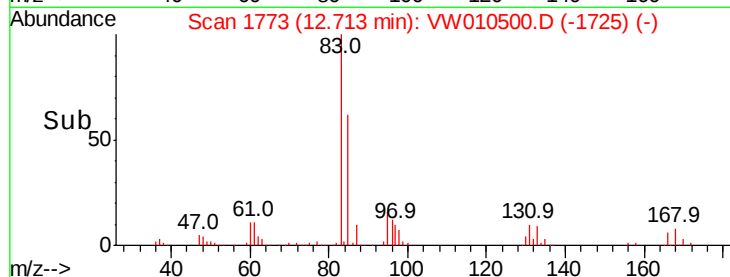
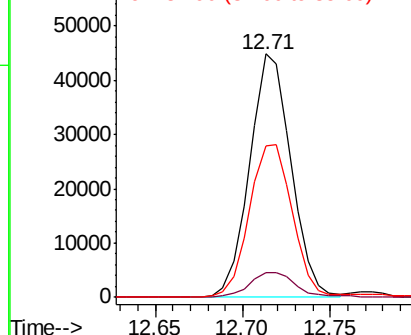
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Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 45.763 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010500.D

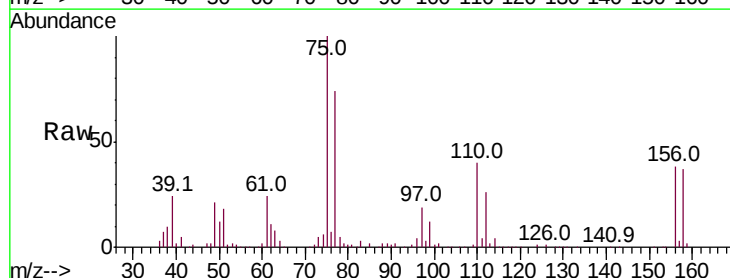
Acq: 22 May 2019 10:20

Tgt Ion: 75 Resp: 51267

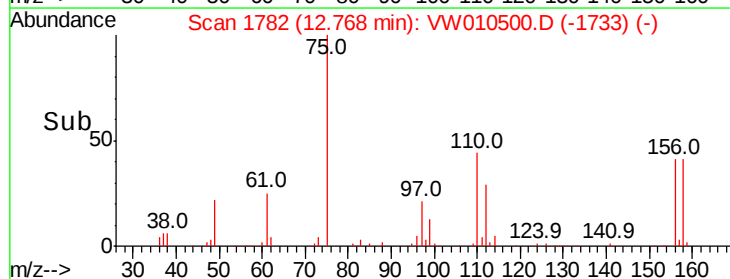
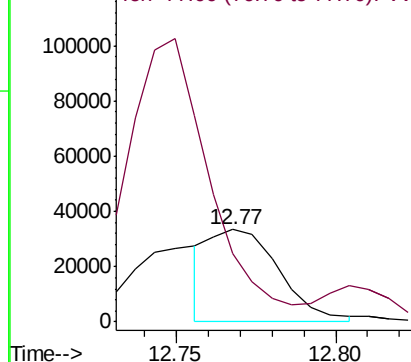
Ion Ratio Lower Upper

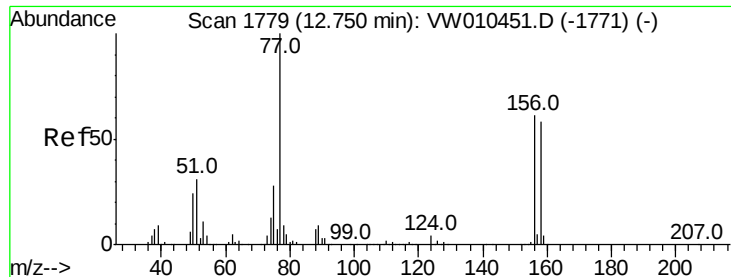
75 100

77 363.4 170.0 510.1



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





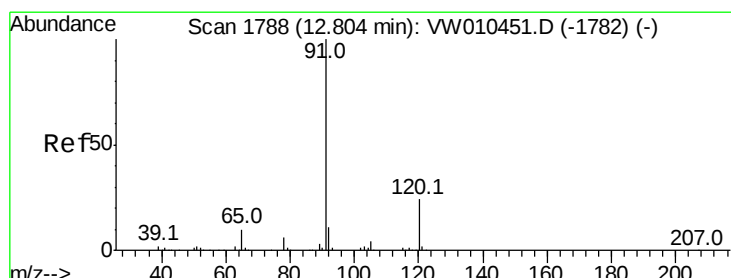
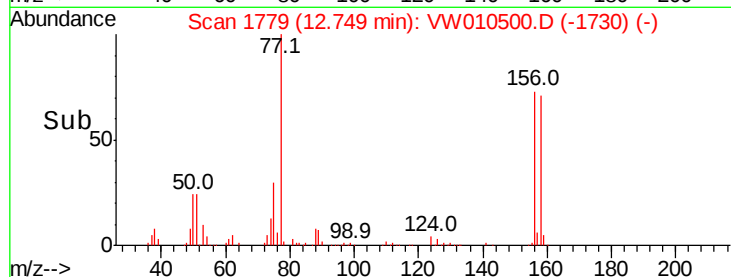
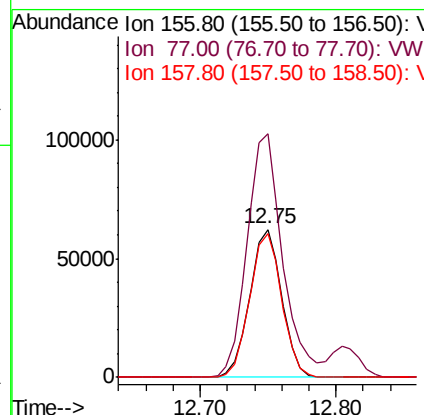
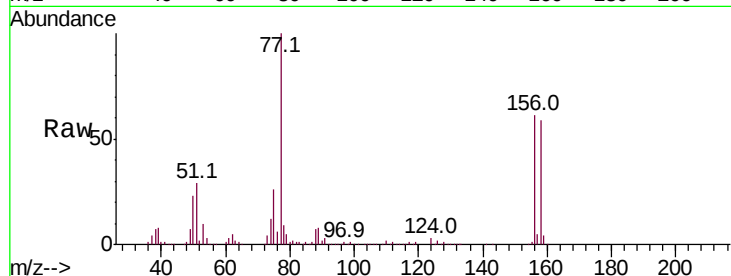
#77
Bromobenzene
Concen: 52.282 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW010500.D
Acq: 22 May 2019 10:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	181.8	92.4	277.2
158	98.0	48.3	144.8

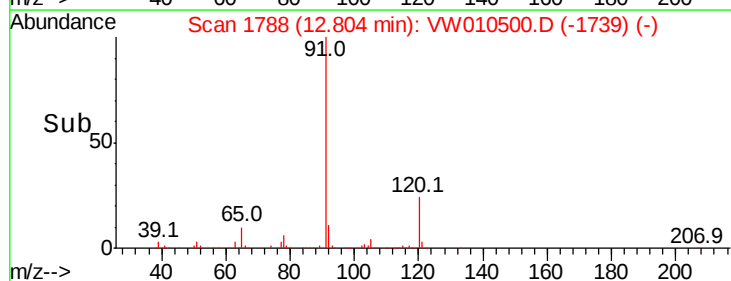
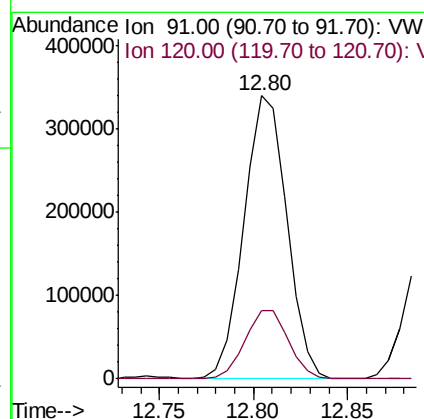
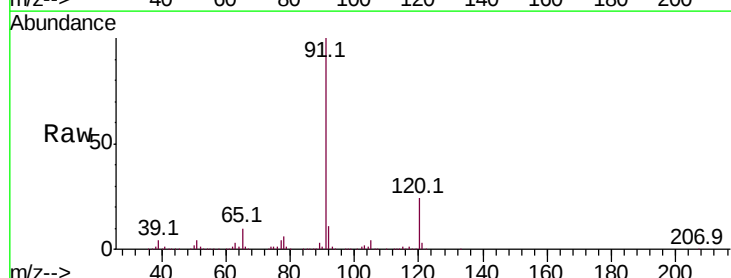
Manual Integrations
APPROVED

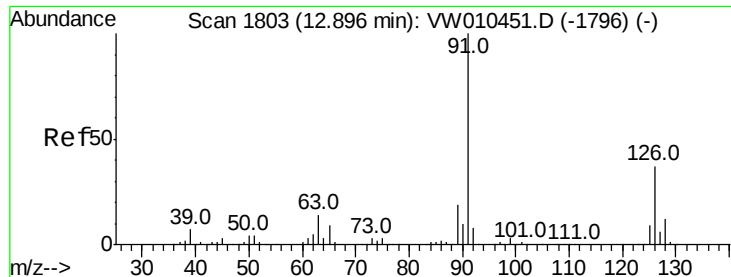
MMDadoda
5/23/2019 11:42:03 AM



#78
n-propylbenzene
Concen: 52.465 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW010500.D
Acq: 22 May 2019 10:20

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.7	12.3	36.8





#79

2-Chlorotoluene

Concen: 51.520 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010500.D

Acq: 22 May 2019 10:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 304936

Ion Ratio Lower Upper

91 100

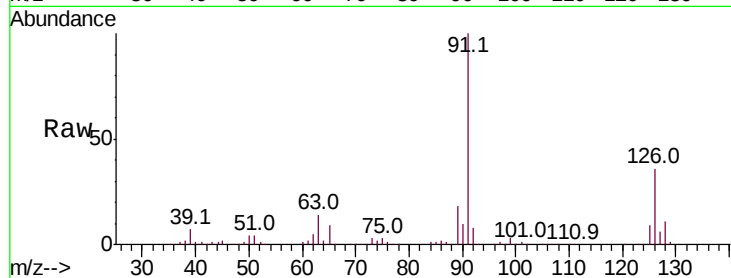
126 35.6 17.4 52.3

Manual Integrations

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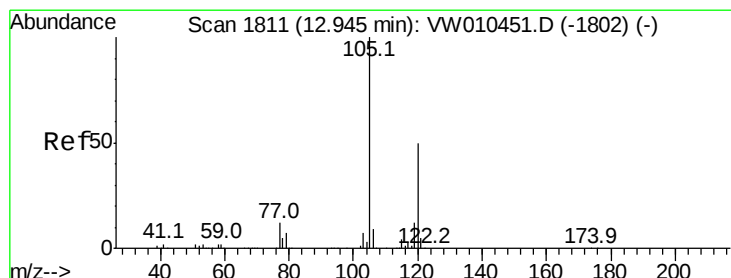
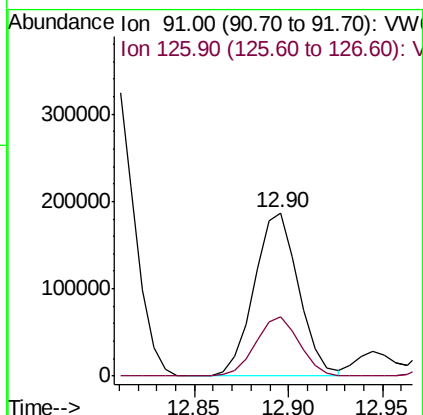
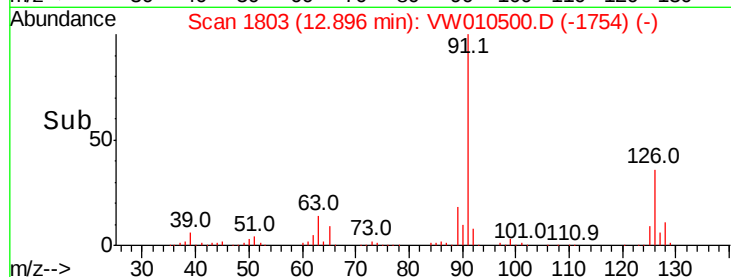
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 52.783 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010500.D

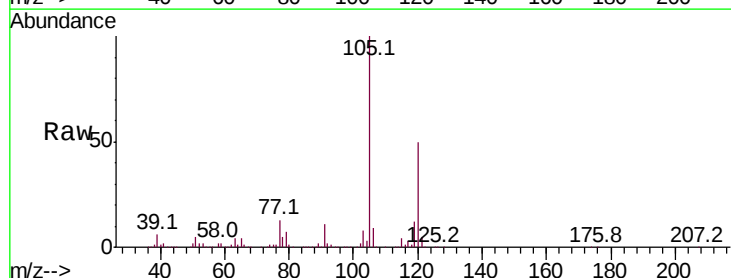
Acq: 22 May 2019 10:20

Tgt Ion:105 Resp: 391509

Ion Ratio Lower Upper

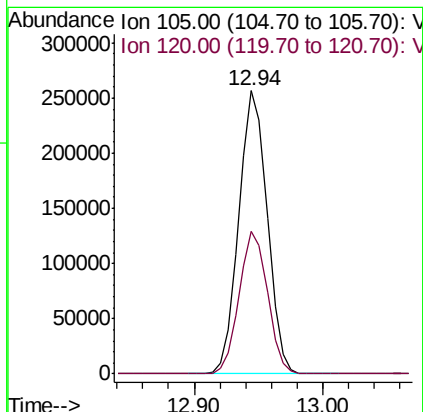
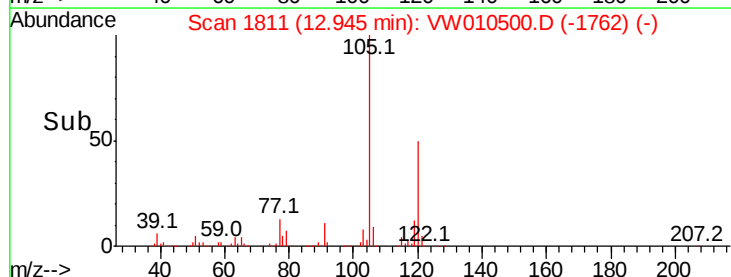
105 100

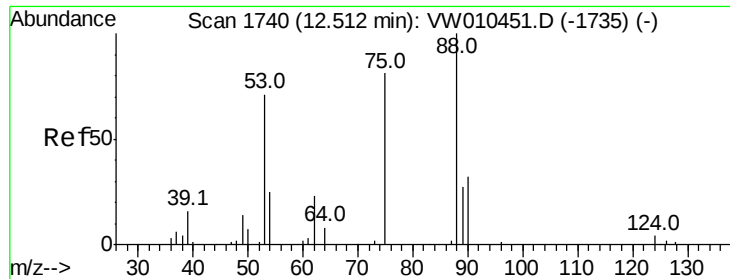
120 50.2 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





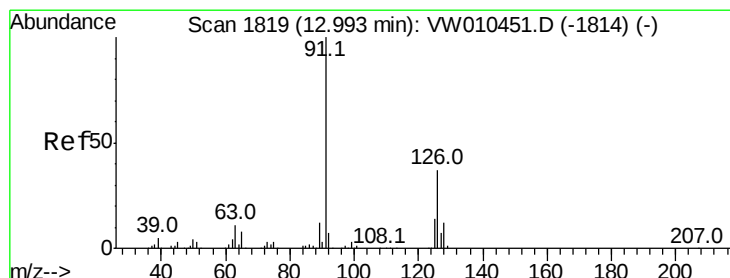
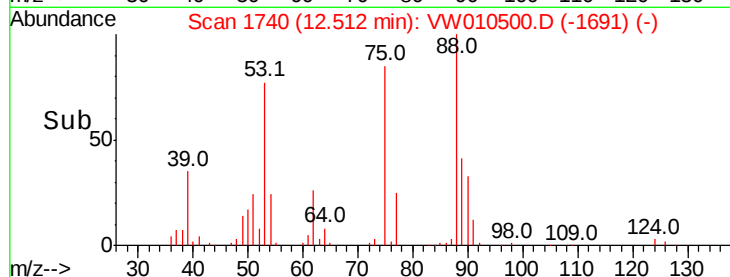
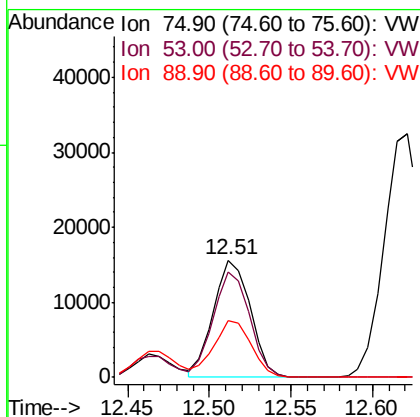
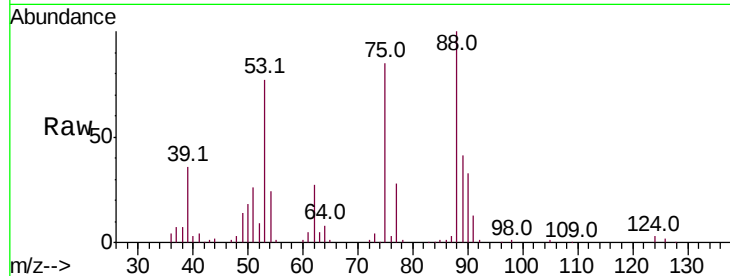
#81
trans-1,4-Dichloro-2-butene
Concen: 46.229 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW010500.D
Acq: 22 May 2019 10:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.8	69.8	104.8
89	49.5	39.5	59.3

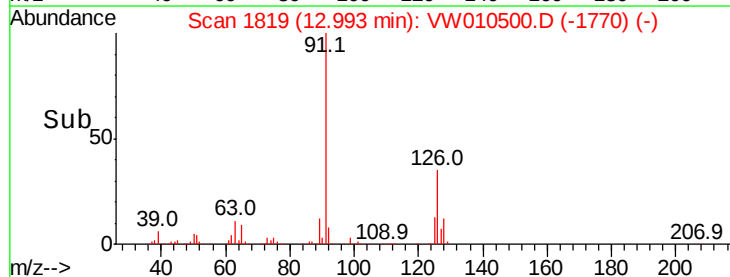
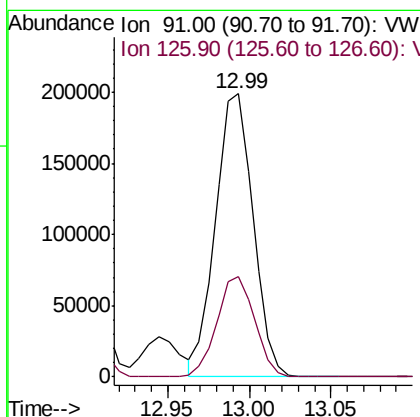
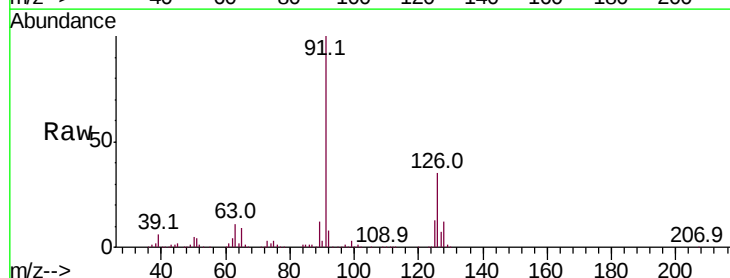
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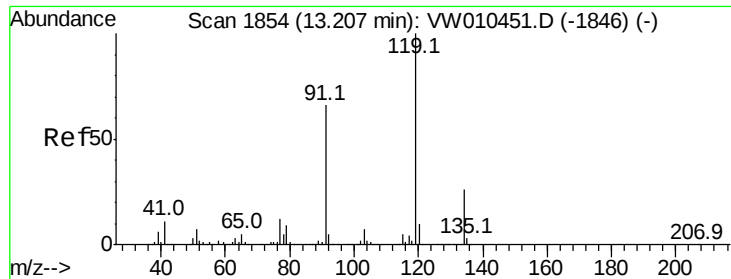
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#82
4-Chlorotoluene
Concen: 51.861 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW010500.D
Acq: 22 May 2019 10:20

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.7	17.5	52.6





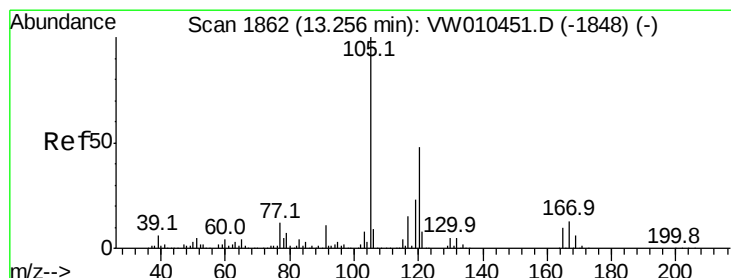
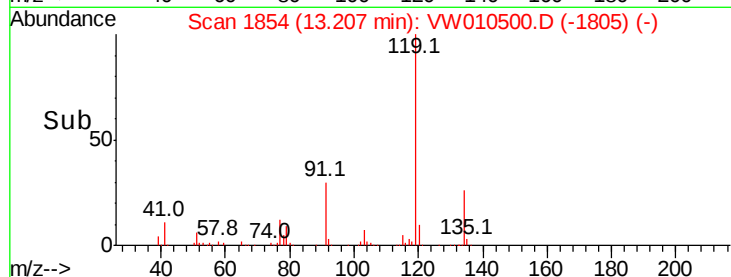
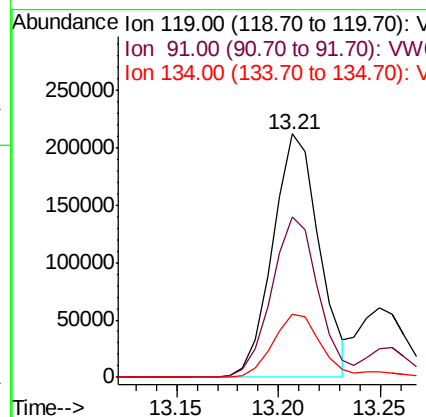
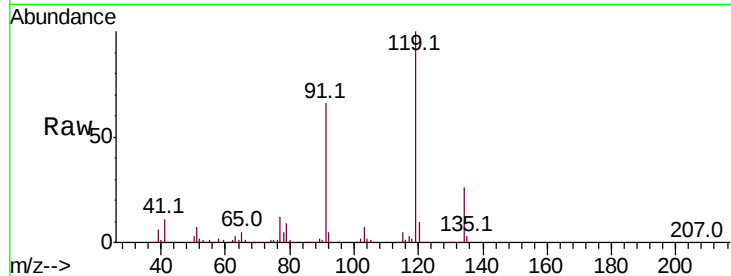
#83
tert-Butylbenzene
Concen: 52.170 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW010500.D
Acq: 22 May 2019 10:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	338017		
91	66.4	33.1	99.5	
134	28.3	13.9	41.6	

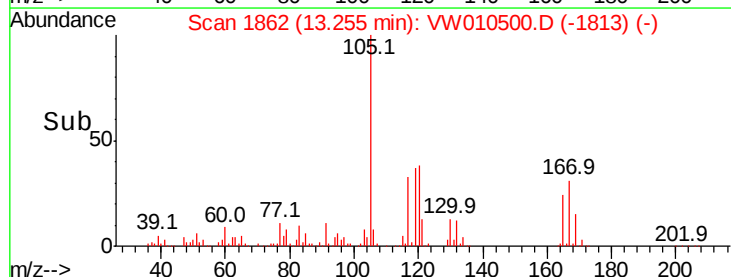
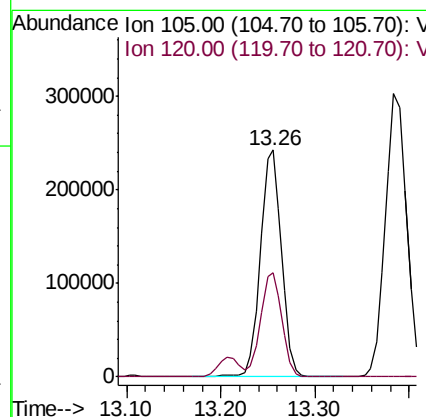
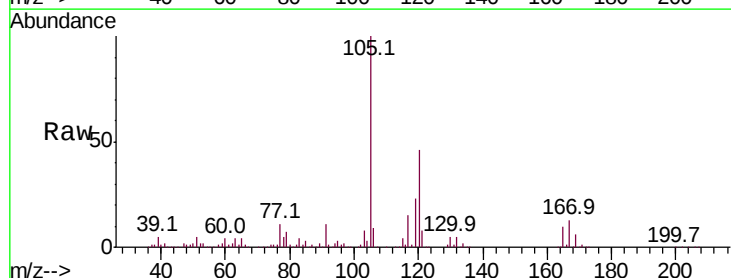
Manual Integrations
APPROVED

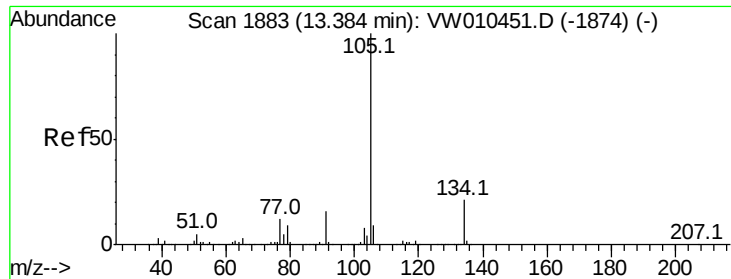
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#84
1,2,4-Trimethylbenzene
Concen: 51.888 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW010500.D
Acq: 22 May 2019 10:20

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	383320		
120	46.3	23.4	70.2	





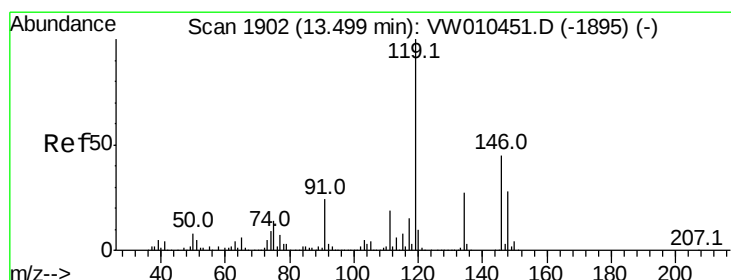
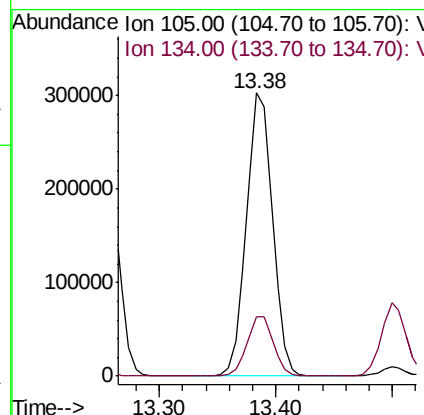
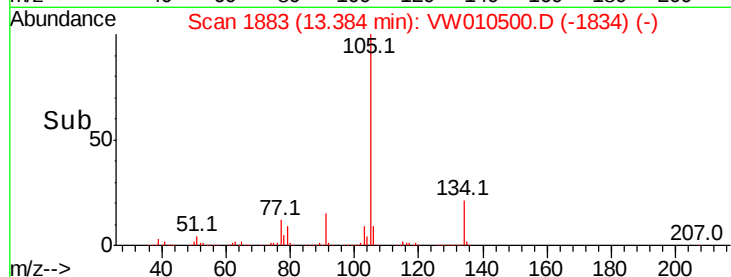
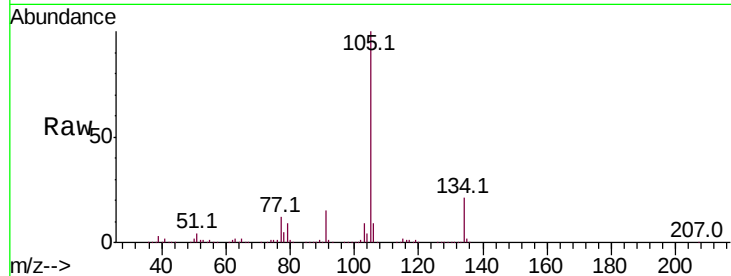
#85
 sec-Butylbenzene
 Concen: 52.609 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW010500.D
 Acq: 22 May 2019 10:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.2	10.5	31.6

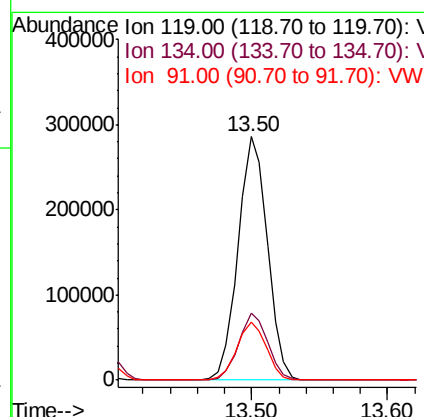
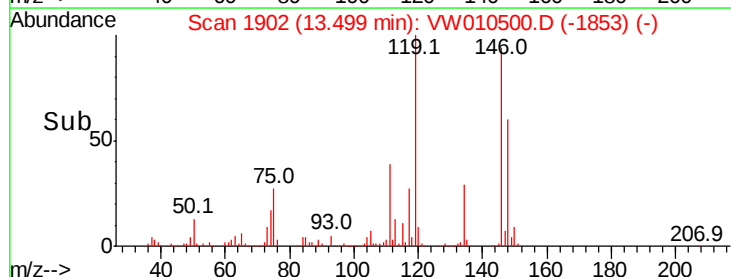
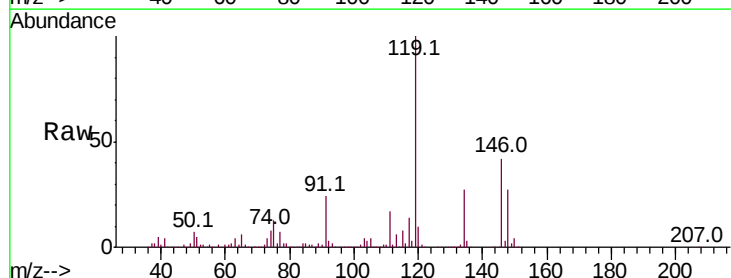
Manual Integrations
 APPROVED

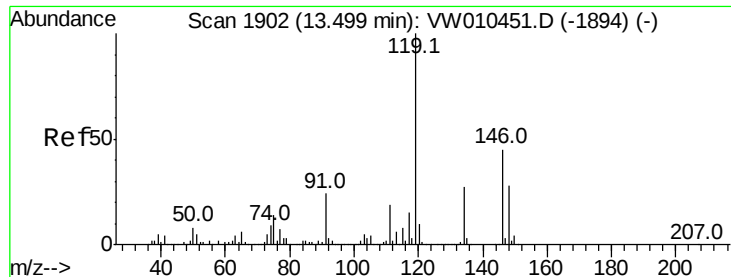
MMDadoda
 5/23/2019 11:42:03 AM



#86
 p-Isopropyltoluene
 Concen: 52.277 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010500.D
 Acq: 22 May 2019 10:20

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.1	13.6	40.7
91	23.7	11.9	35.7





#87

1,3-Dichlorobenzene

Concen: 51.802 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010500.D

Acq: 22 May 2019 10:20

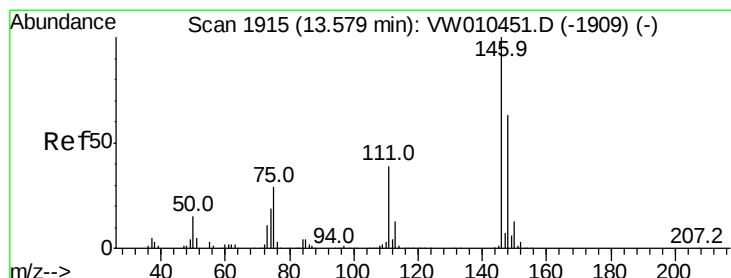
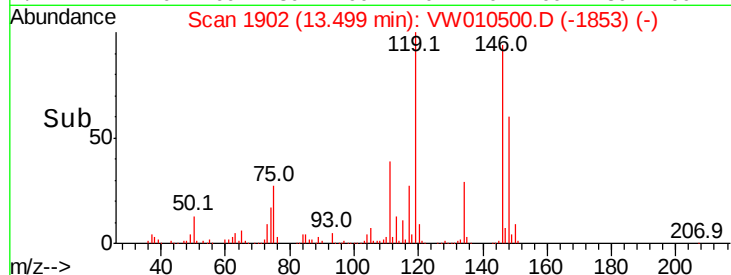
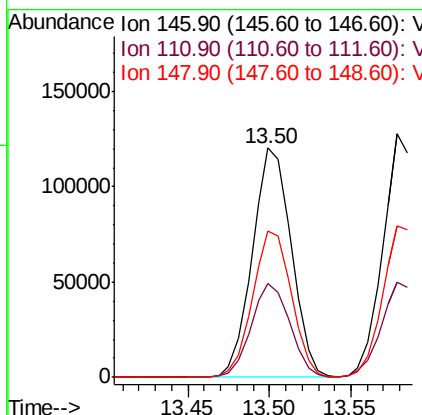
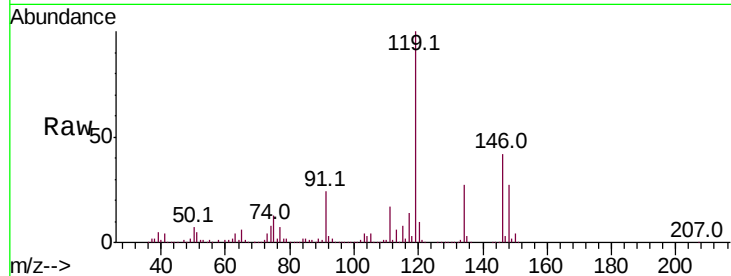
Instrument :
MSVOA_W

ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	199183		
111	40.8	20.3	60.9	
148	63.8	31.6	94.8	

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 52.461 ug/l

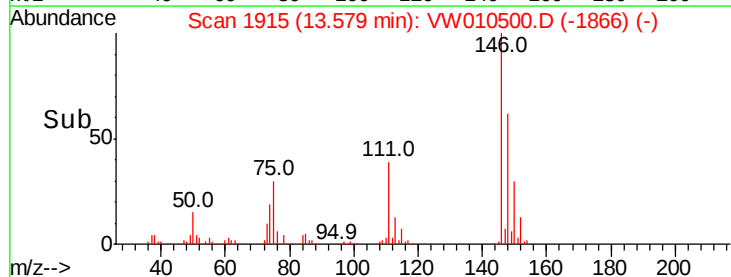
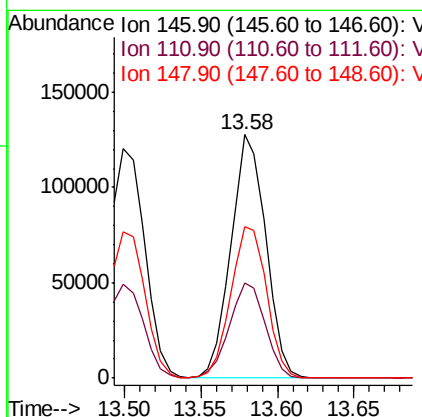
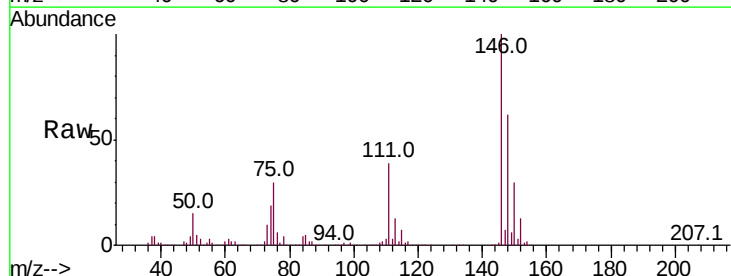
RT: 13.58 min Scan# 1915

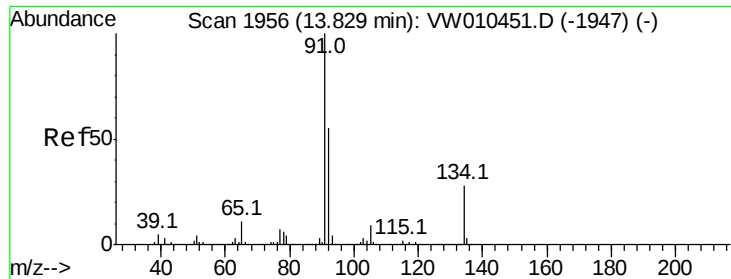
Delta R.T. -0.00 min

Lab File: VW010500.D

Acq: 22 May 2019 10:20

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	202385		
111	40.0	19.9	59.6	
148	63.7	31.6	94.8	





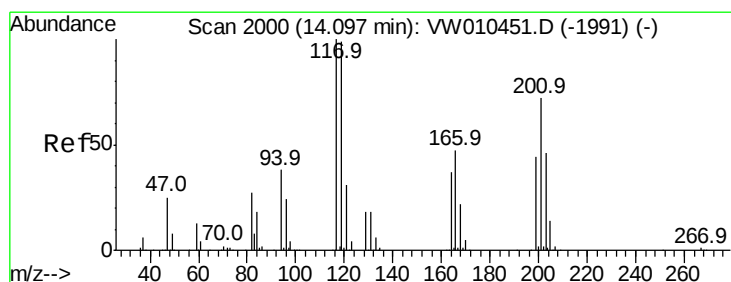
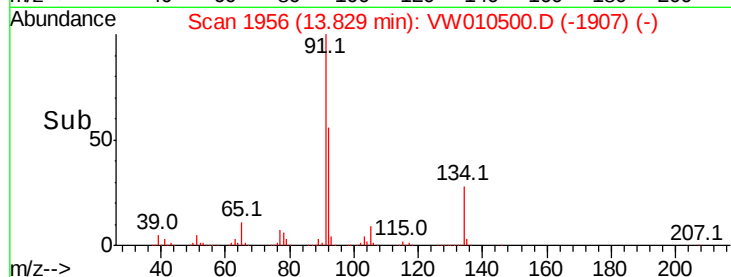
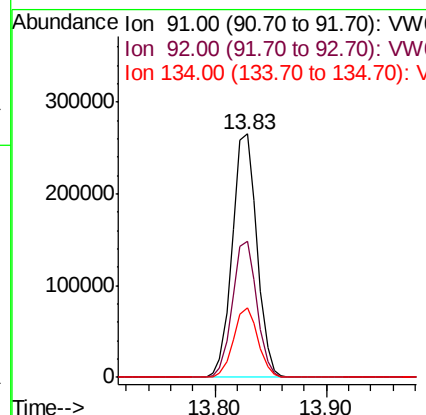
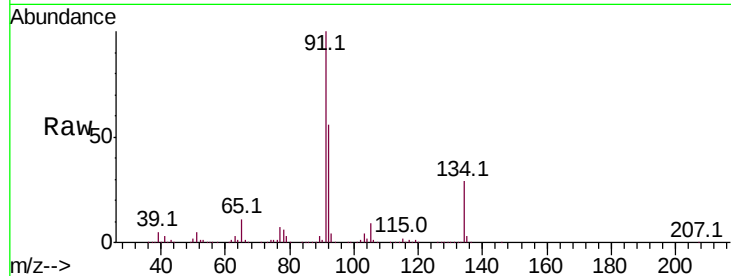
#89
n-Butylbenzene
Concen: 51.995 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW010500.D
Acq: 22 May 2019 10:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	55.5	27.7	83.1	
134	28.3	13.9	41.6	

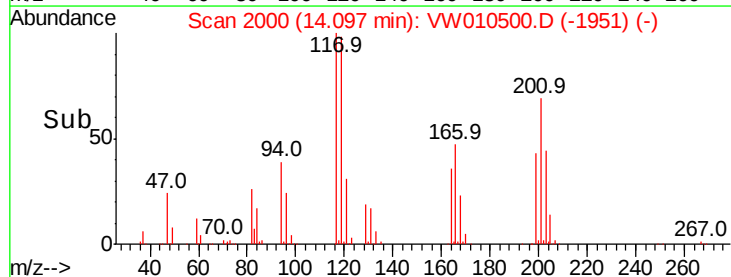
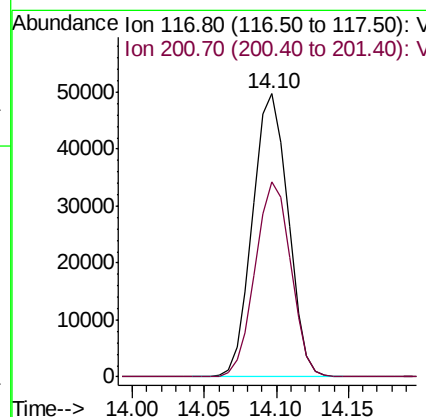
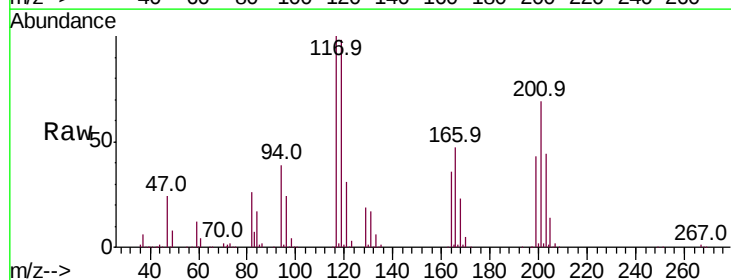
Manual Integrations
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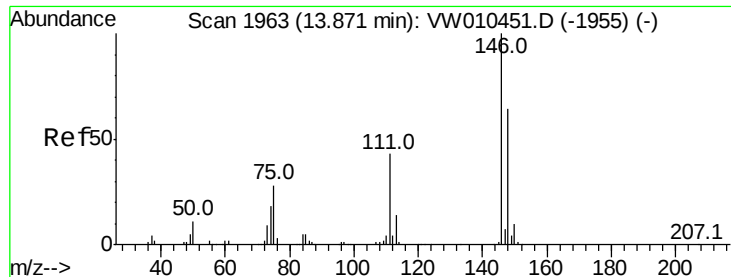
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#90
Hexachloroethane
Concen: 53.427 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW010500.D
Acq: 22 May 2019 10:20

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	69.1	34.6	103.8	





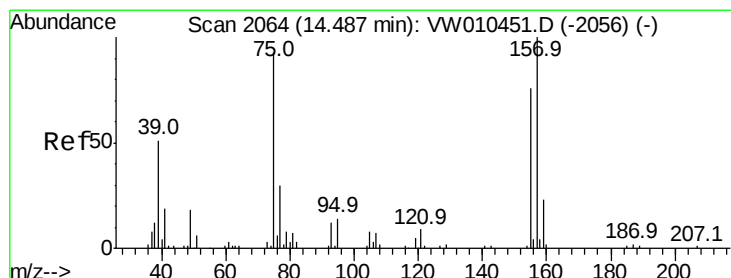
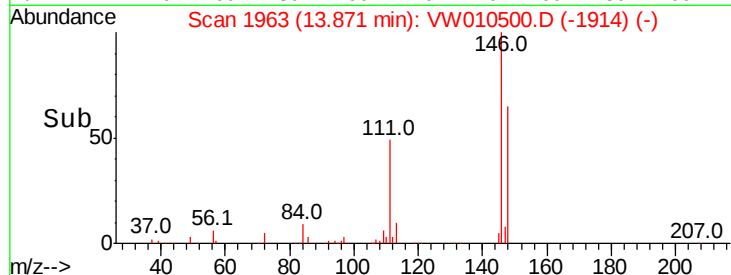
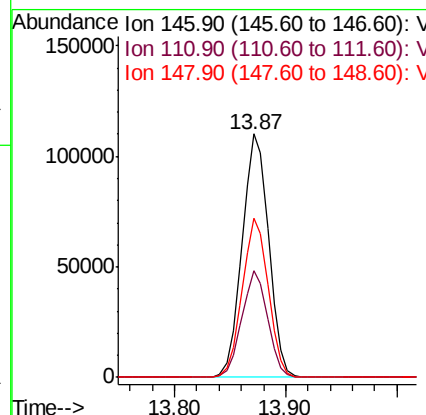
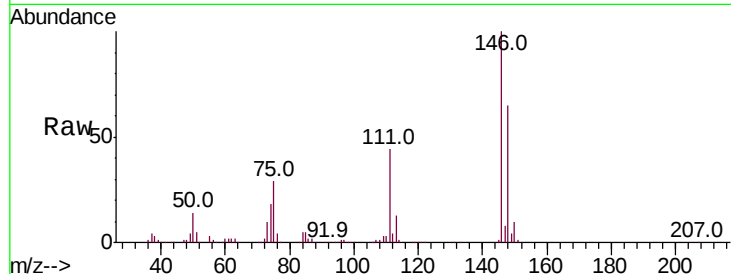
#91
 1,2-Dichlorobenzene
 Concen: 51.637 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010500.D
 Acq: 22 May 2019 10:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	180910		
111	42.6	21.3	64.0	
148	64.2	32.0	96.0	

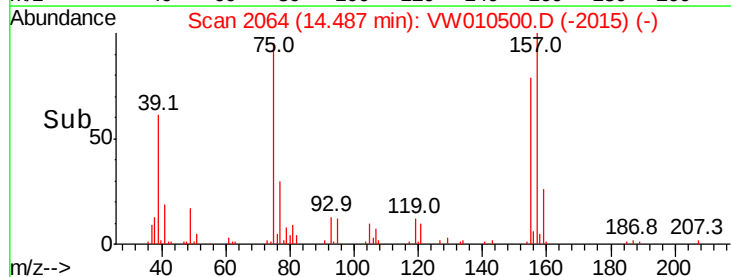
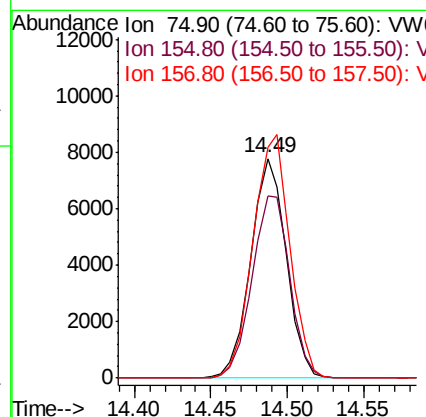
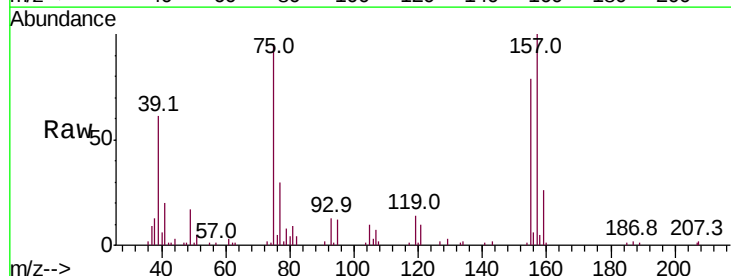
Manual Integrations
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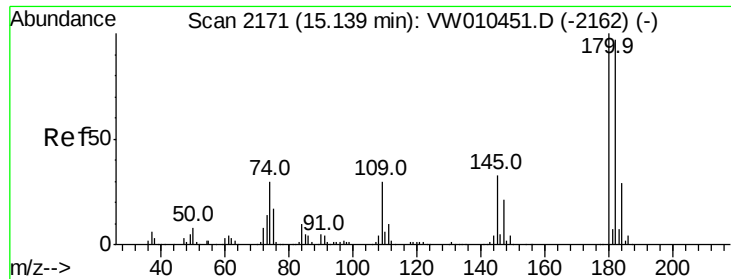
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.539 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW010500.D
 Acq: 22 May 2019 10:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	12600		
155	87.9	43.0	129.0	
157	114.5	55.7	167.1	





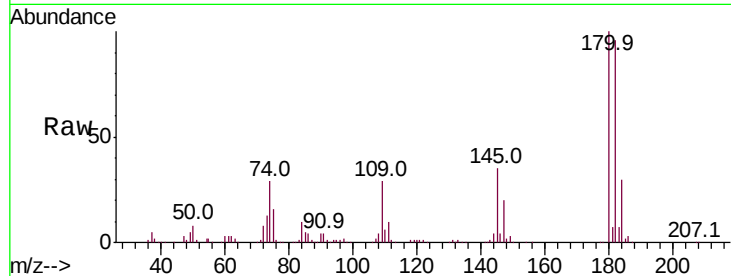
#93
 1,2,4-Trichlorobenzene
 Concen: 50.486 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010500.D
 Acq: 22 May 2019 10:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.1	47.0	141.2	
145	33.9	16.7	50.0	

Manual Integrations
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 5/23/2019 11:42:03 AM

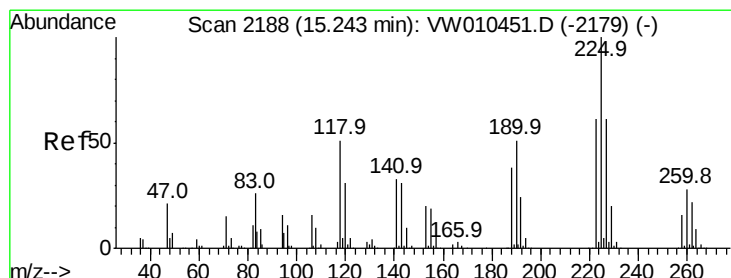
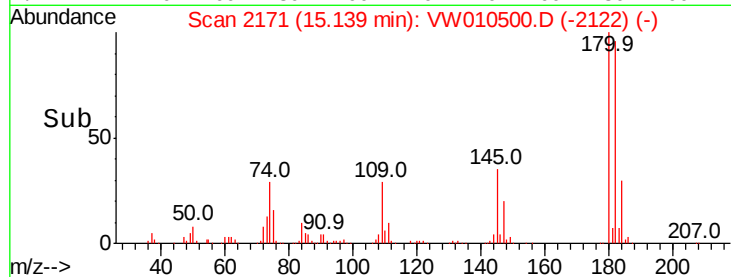
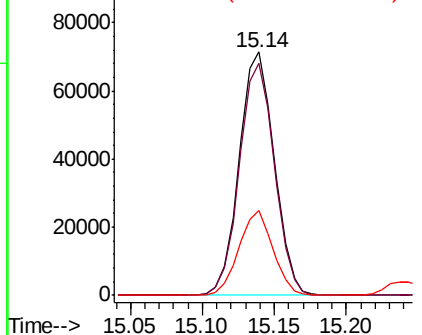


Abundance

Ion 179.80 (179.50 to 180.50): V

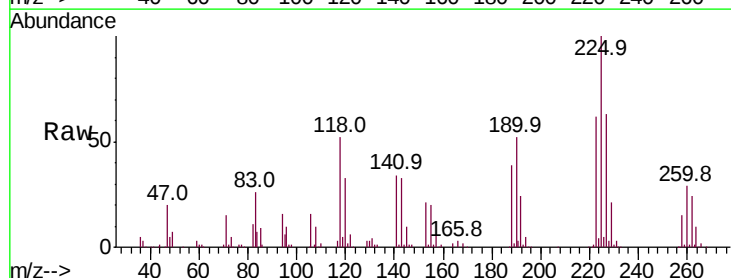
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 52.487 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW010500.D
 Acq: 22 May 2019 10:20

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.2	31.1	93.2	
227	62.7	31.1	93.5	

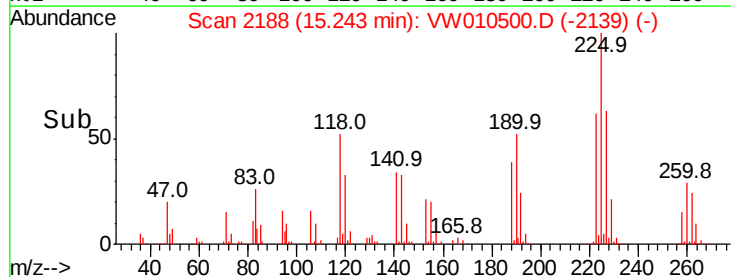
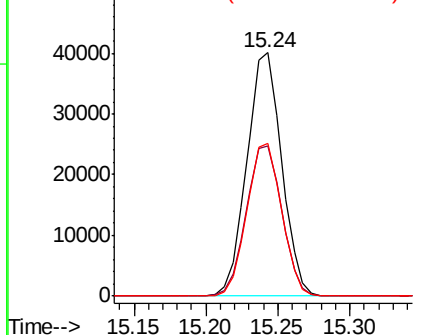


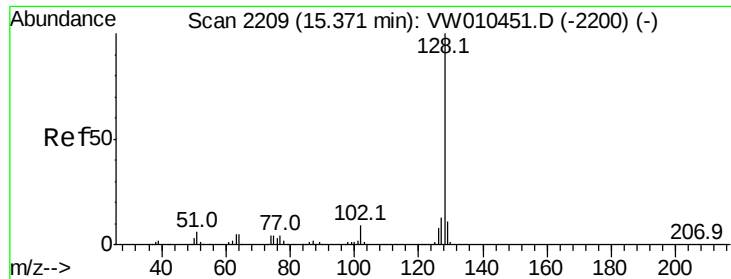
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 46.034 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW010500.D

Acq: 22 May 2019 10:20

Instrument :

MSVOA_W

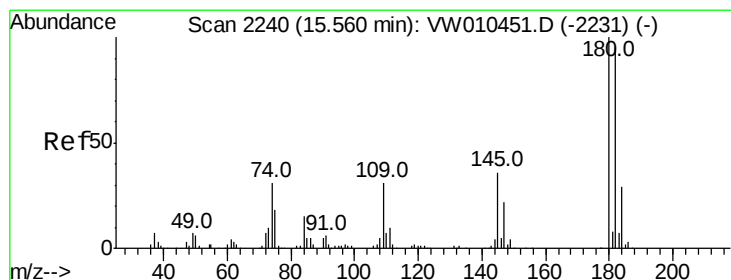
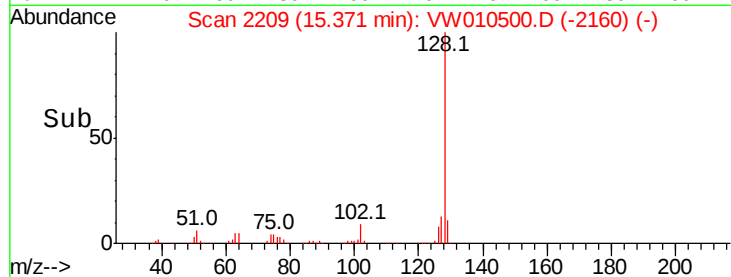
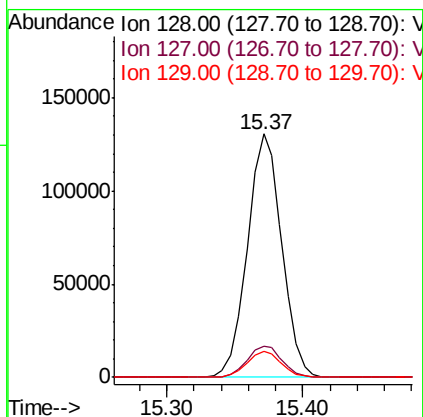
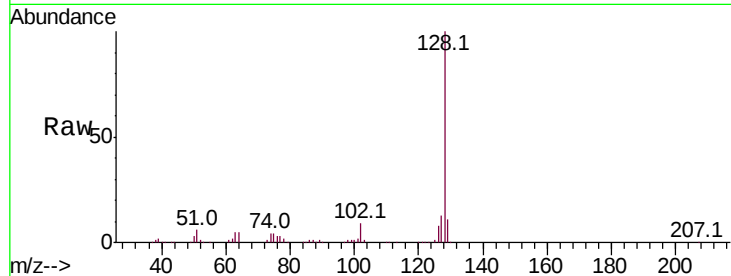
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	230347
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.6	15.8
129	10.8	8.9	13.3

Manual Integrations
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5/23/2019 11:42:03 AM



#96

1,2,3-Trichlorobenzene

Concen: 50.112 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW010500.D

Acq: 22 May 2019 10:20

Tgt Ion:	180	Resp:	102786
Ion Ratio	Lower	Upper	
180	100		
182	94.7	47.1	141.3
145	35.4	17.4	52.3

