

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV100919\
 Data File : VW013514.D
 Acq On : 09 Oct 2019 20:01
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/11/2019 4:40:07 PM

Quant Time: Oct 10 03:44:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 05:54:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	346863	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	504775	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	437107	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	220595	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	136976	51.11	ug/l	0.00
Spiked Amount			Recovery	=	102.22%	
35) Dibromofluoromethane	7.88	113	139846	49.60	ug/l	0.00
Spiked Amount			Recovery	=	99.20%	
50) Toluene-d8	10.32	98	585257	49.40	ug/l	0.00
Spiked Amount			Recovery	=	98.80%	
62) 4-Bromofluorobenzene	12.62	95	198305	49.82	ug/l	0.00
Spiked Amount			Recovery	=	99.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	50694	44.122	ug/l	95
3) Chloromethane	2.21	50	95873	47.472	ug/l	98
4) Vinyl Chloride	2.36	62	144740	48.587	ug/l	98
5) Bromomethane	2.78	94	92160	51.850	ug/l	99
6) Chloroethane	2.92	64	86695	51.822	ug/l	98
7) Trichlorofluoromethane	3.26	101	74334	52.739	ug/l	99
8) Diethyl Ether	3.68	74	78432	53.763	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	140085	48.224	ug/l	99
10) Methyl Iodide	4.27	142	240485	52.280	ug/l	99
11) Tert butyl alcohol	5.19	59	46907	247.779	ug/l	100
12) 1,1-Dichloroethene	4.04	96	147893	49.126	ug/l	100
13) Acrolein	3.90	56	61274	255.259	ug/l	99
14) Allyl chloride	4.67	41	242039	52.317	ug/l	99
15) Acrylonitrile	5.37	53	169451	248.519	ug/l	98
16) Acetone	4.12	43	132777	212.912	ug/l	100
17) Carbon Disulfide	4.38	76	415508	49.171	ug/l	99
18) Methyl Acetate	4.67	43	85617	47.928	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	241659	53.086	ug/l	98
20) Methylene Chloride	4.91	84	159613	53.154	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	163727	51.181	ug/l	97
22) Diisopropyl ether	6.31	45	470993	54.337	ug/l	98
23) Vinyl Acetate	6.25	43	1371014	263.452	ug/l	99
24) 1,1-Dichloroethane	6.21	63	278174	52.505	ug/l	99
25) 2-Butanone	7.17	43	208838	227.228	ug/l	97
26) 2,2-Dichloropropane	7.17	77	164347	48.119	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	177129	52.329	ug/l	100
28) Bromochloromethane	7.51	49	106186	51.684	ug/l #	99
29) Tetrahydrofuran	7.53	42	138420	246.424	ug/l	99
30) Chloroform	7.68	83	267953	52.287	ug/l	96
31) Cyclohexane	7.96	56	258725	46.139	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	215709	51.781	ug/l	99
36) 1,1-Dichloropropene	8.08	75	220782	48.350	ug/l	100
37) Ethyl Acetate	7.25	43	97331	46.978	ug/l	98
38) Carbon Tetrachloride	8.07	117	197270	48.733	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	279650	47.270	ug/l	100
40) Benzene	8.32	78	647821	50.822	ug/l	100
41) Methacrylonitrile	7.48	41	56426	47.894	ug/l	99
42) 1,2-Dichloroethane	8.40	62	167373	51.949	ug/l	99
43) Isopropyl Acetate	8.42	43	187307	50.041	ug/l	99
44) Trichloroethene	9.09	130	185158	50.919	ug/l	100
45) 1,2-Dichloropropane	9.37	63	158411	51.778	ug/l	99
46) Dibromomethane	9.46	93	77076	50.570	ug/l	99
47) Bromodichloromethane	9.64	83	198437	52.375	ug/l	97
48) Methyl methacrylate	9.43	41	87336	47.369	ug/l	97
49) 1,4-Dioxane	9.46	88	24151	902.422	ug/l #	95
51) 4-Methyl-2-Pentanone	10.21	43	473755	240.746	ug/l	99
52) Toluene	10.39	92	417909	50.898	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	204783	52.016	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	248916	52.188	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	117123	51.196	ug/l	98
56) Ethyl methacrylate	10.65	69	158206	51.345	ug/l	99
57) 1,3-Dichloropropane	10.93	76	203177	51.721	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	384495	264.500	ug/l	98
59) 2-Hexanone	10.97	43	319936	237.094	ug/l	100
60) Dibromochloromethane	11.13	129	138688	52.715	ug/l	96
61) 1,2-Dibromoethane	11.23	107	112802	51.839	ug/l	98
64) Tetrachloroethene	10.86	164	160059	49.753	ug/l	99
65) Chlorobenzene	11.66	112	442750	50.976	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	157651	52.253	ug/l	100
67) Ethyl Benzene	11.73	91	805019	50.710	ug/l	100
68) m/p-Xylenes	11.84	106	616022	101.988	ug/l	100
69) o-Xylene	12.16	106	286810	51.395	ug/l	99
70) Styrene	12.18	104	508692	53.089	ug/l	99
71) Bromoform	12.35	173	84840	51.253	ug/l #	99
73) Isopropylbenzene	12.46	105	784625	49.656	ug/l	100
74) N-amyl acetate	12.27	43	172334	49.867	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	130884	48.596	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	85728m	46.661	ug/l	
77) Bromobenzene	12.74	156	192241	51.327	ug/l	100
78) n-propylbenzene	12.80	91	917772	50.228	ug/l	99
79) 2-Chlorotoluene	12.89	91	513678	50.179	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	665323	50.675	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	43732	48.657	ug/l	98
82) 4-Chlorotoluene	12.99	91	541099	50.926	ug/l	100
83) tert-Butylbenzene	13.21	119	589329	50.543	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	665104	51.222	ug/l	99
85) sec-Butylbenzene	13.38	105	800240	49.672	ug/l	100
86) p-Isopropyltoluene	13.50	119	749958	50.666	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	370919	52.229	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	357991	51.456	ug/l	99
89) n-Butylbenzene	13.82	91	671690	50.233	ug/l	99
90) Hexachloroethane	14.09	117	129219	51.020	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	325241	51.870	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	20054	46.706	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	241404	54.474	ug/l	99
94) Hexachlorobutadiene	15.24	225	150311	51.041	ug/l	97
95) Naphthalene	15.36	128	413036	53.881	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	211969	54.700	ug/l	98

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

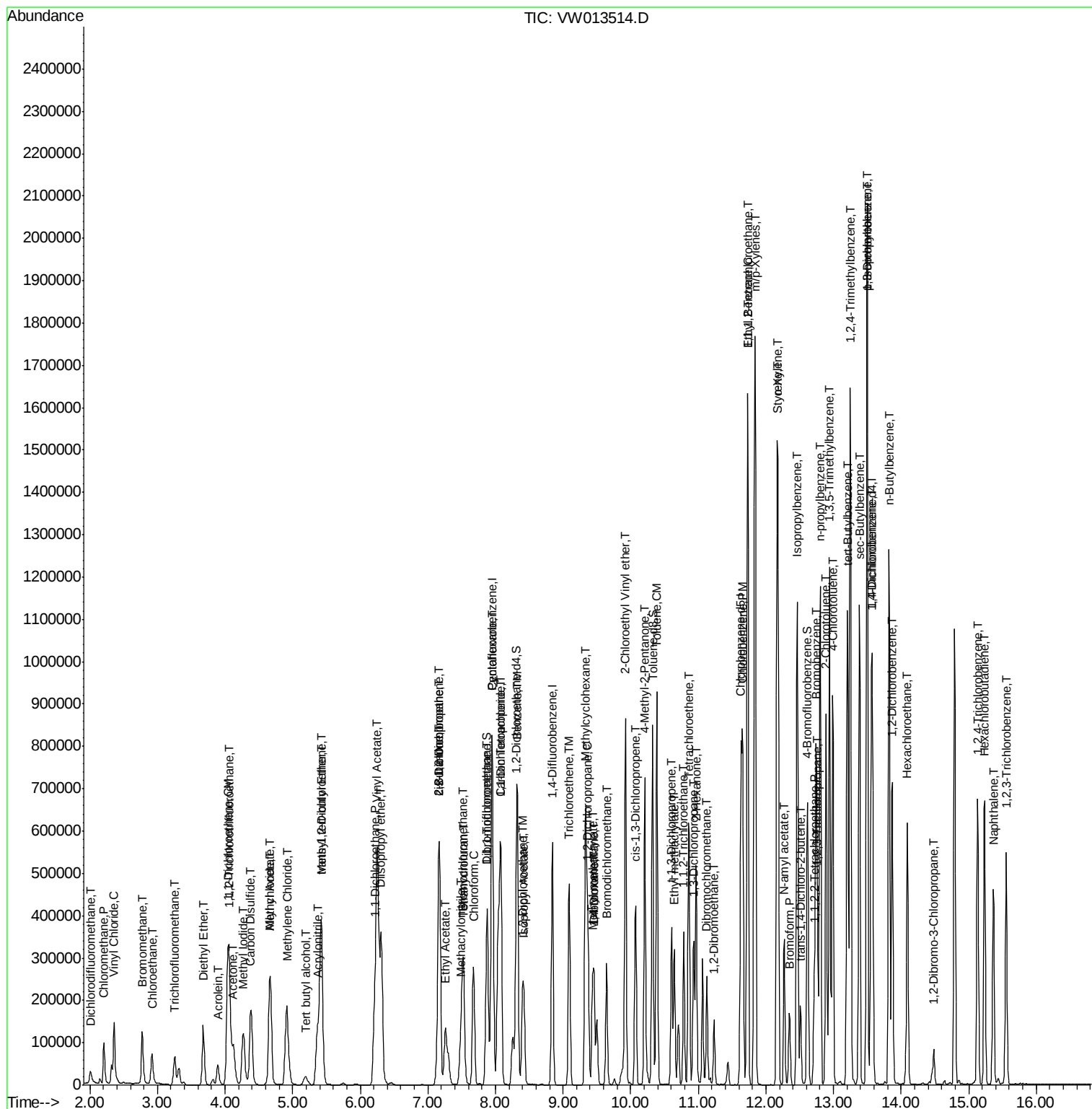
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 Data File : VW013514.D
 Acq On : 09 Oct 2019 20:01
 Operator : SY/VA
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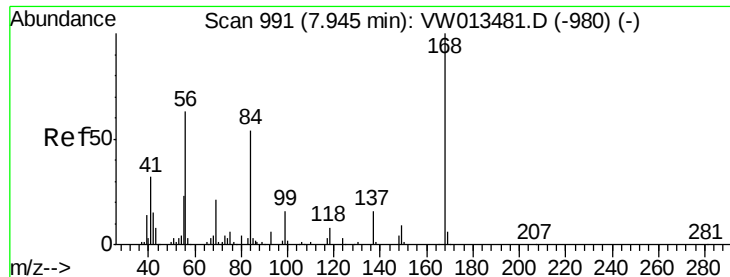
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013514.D

Acq: 09 Oct 2019 20:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 346863

Ion Ratio Lower Upper

168 100

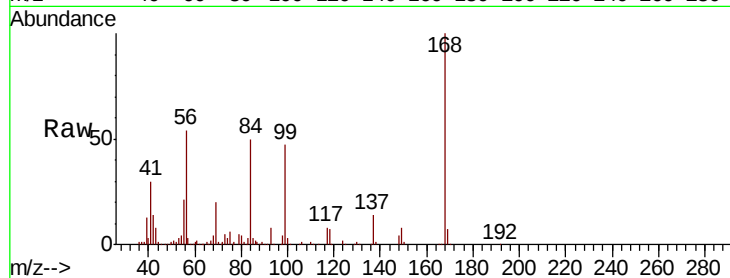
99 47.3 38.3 57.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

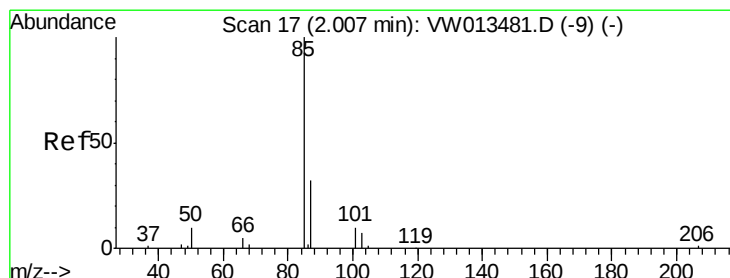
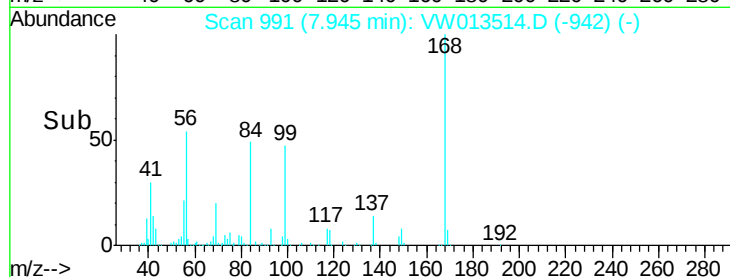
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 44.122 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW013514.D

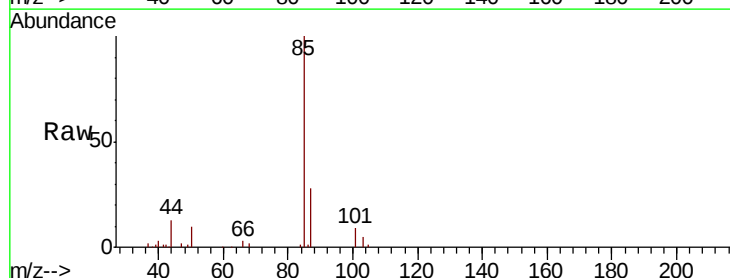
Acq: 09 Oct 2019 20:01

Tgt Ion: 85 Resp: 50694

Ion Ratio Lower Upper

85 100

87 28.5 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

20000

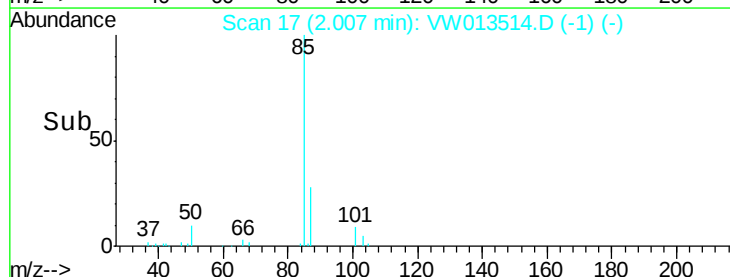
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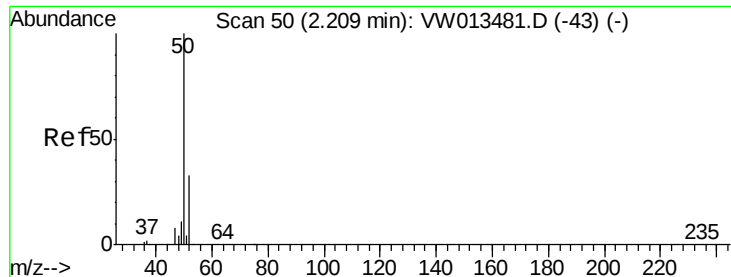
10000

5000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 47.472 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW013514.D

Acq: 09 Oct 2019 20:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 95873

Ion Ratio Lower Upper

50 100

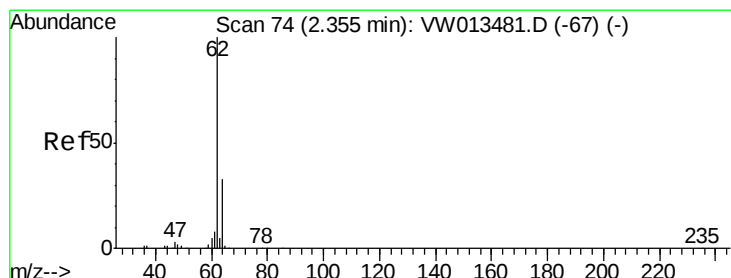
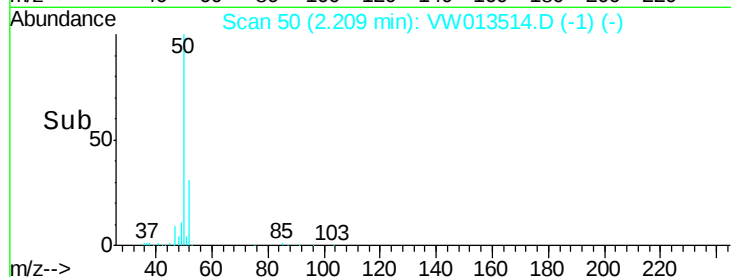
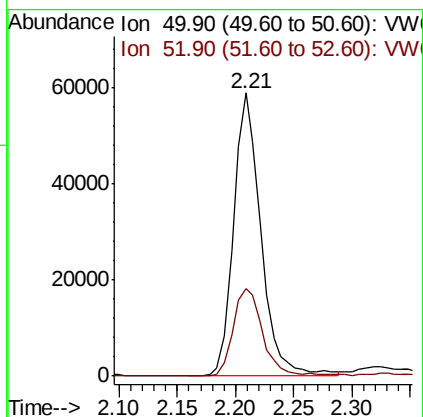
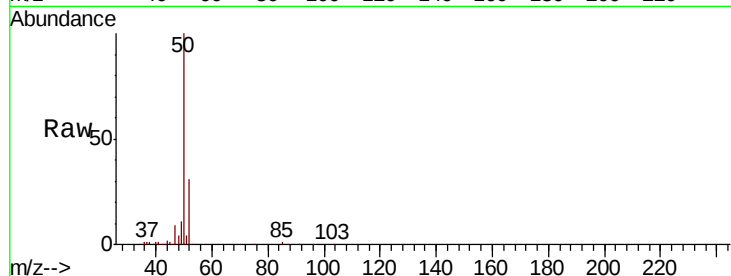
52 31.1 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.587 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW013514.D

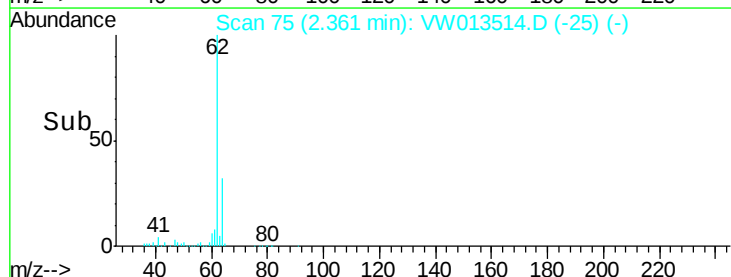
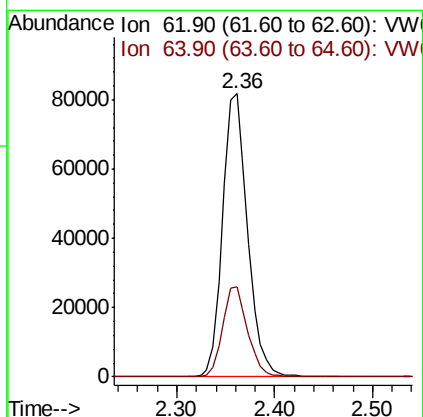
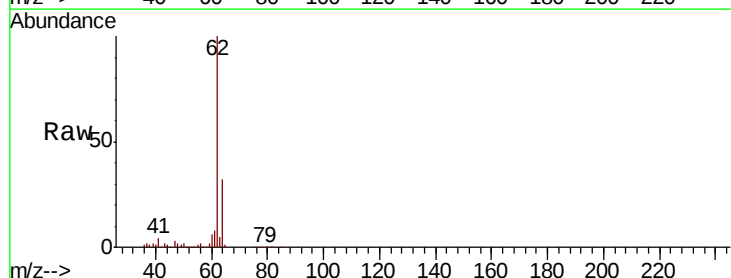
Acq: 09 Oct 2019 20:01

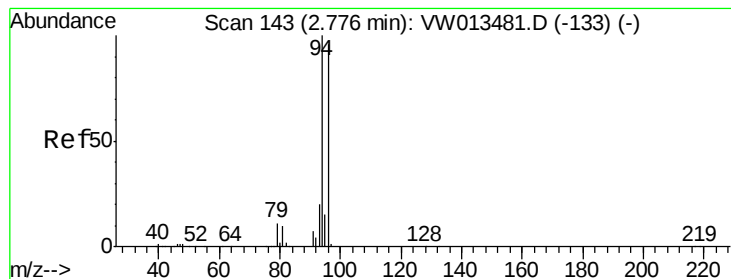
Tgt Ion: 62 Resp: 144740

Ion Ratio Lower Upper

62 100

64 32.0 26.6 39.8





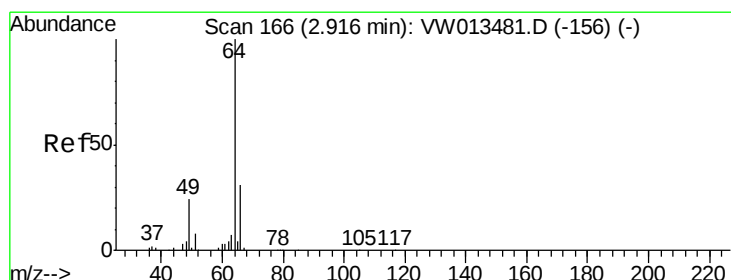
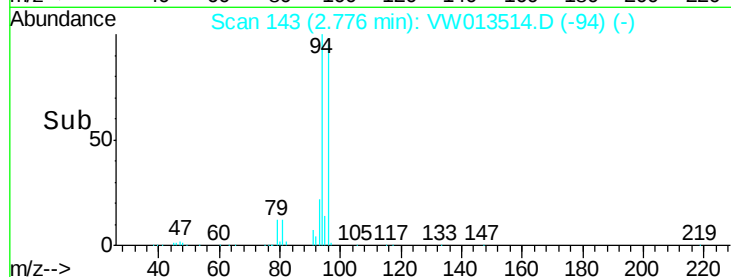
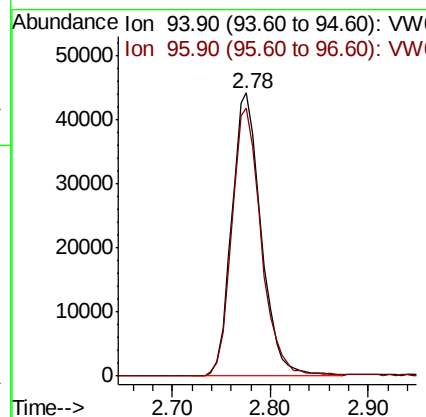
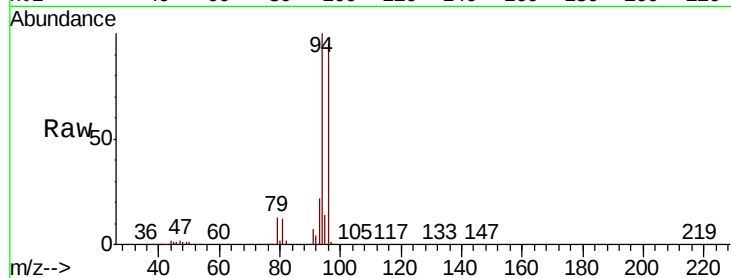
#5
Bromomethane
Concen: 51.850 ug/l
RT: 2.78 min Scan# 143
Delta R.T. -0.00 min
Lab File: VW013514.D
Acq: 09 Oct 2019 20:01

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Tot Ion	Ion	Ratio	Lower	Upper
94	100			
96	94.9	77.0	115.6	

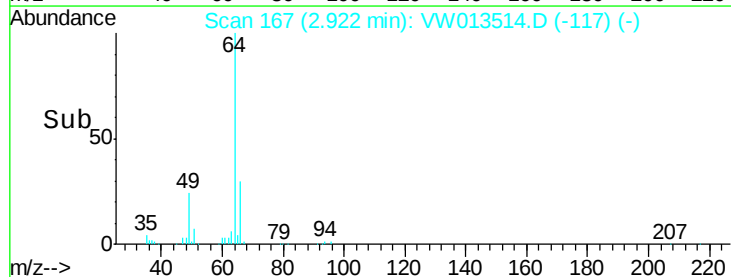
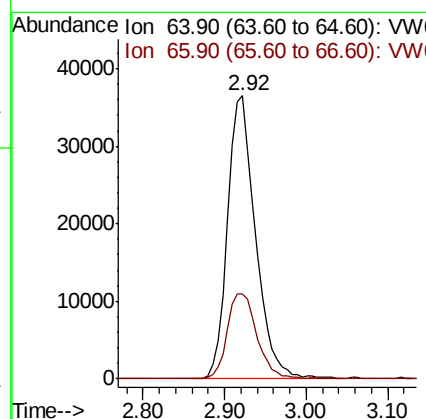
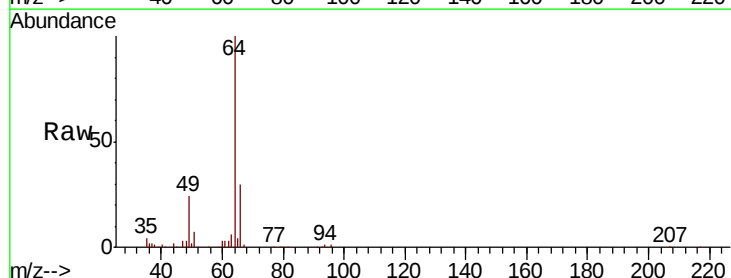
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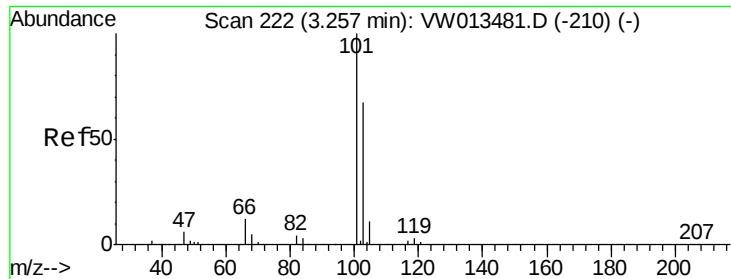
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#6
Chloroethane
Concen: 51.822 ug/l
RT: 2.92 min Scan# 167
Delta R.T. 0.01 min
Lab File: VW013514.D
Acq: 09 Oct 2019 20:01

Tgt Ion	Ion	Ratio	Lower	Upper
64	100			
66	30.2	25.0	37.4	





#7

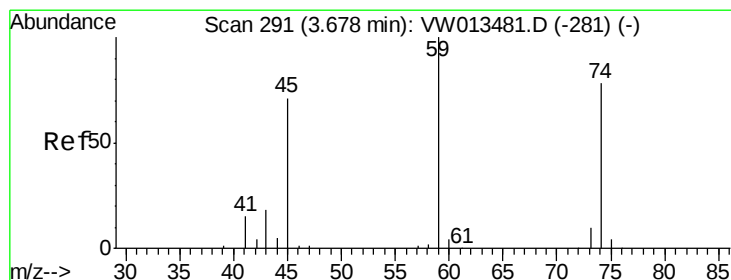
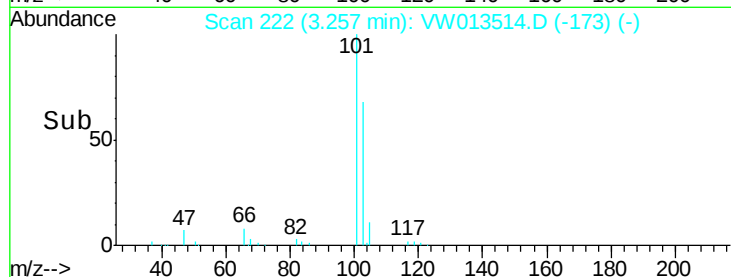
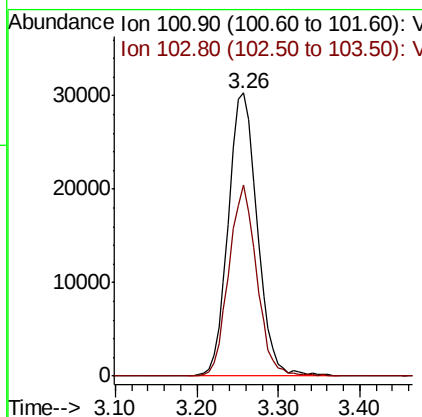
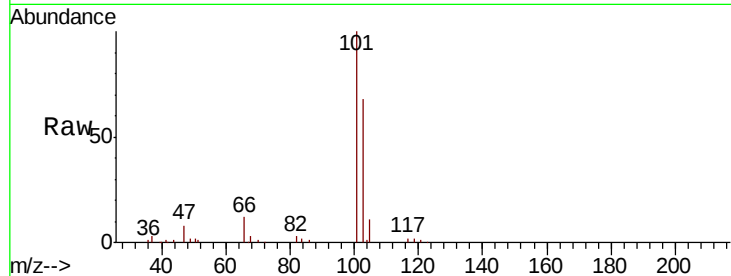
Trichlorofluoromethane
 Concen: 52.739 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW013514.D
 Acq: 09 Oct 2019 20:01

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	67.6	53.7	80.5

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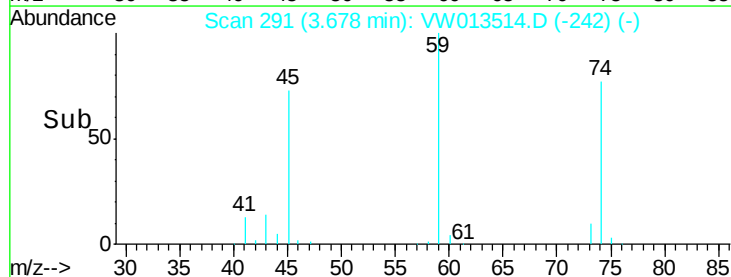
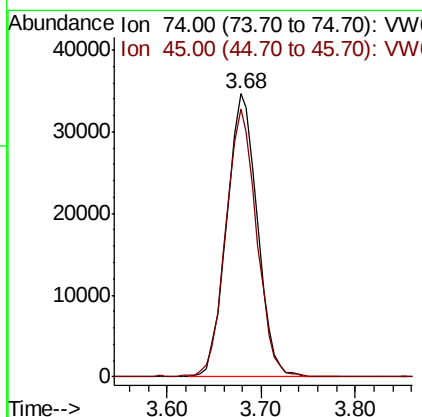
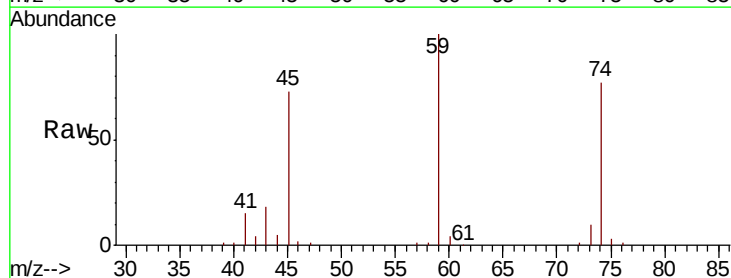
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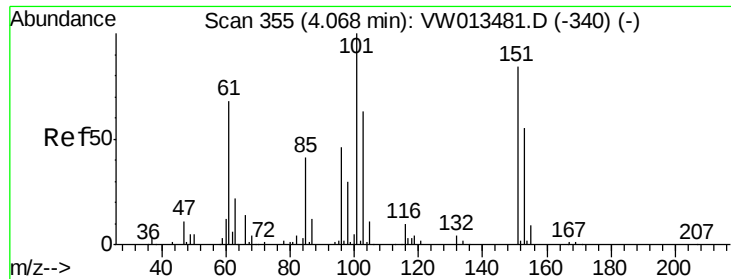


#8

Diethyl Ether
 Concen: 53.763 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW013514.D
 Acq: 09 Oct 2019 20:01

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.9	50.0	150.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.224 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW013514.D

Acq: 09 Oct 2019 20:01

Instrument :

MSVOA_W

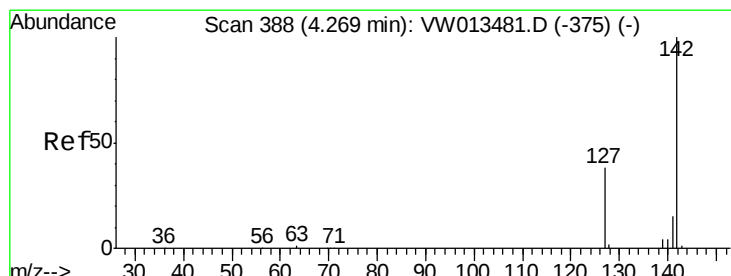
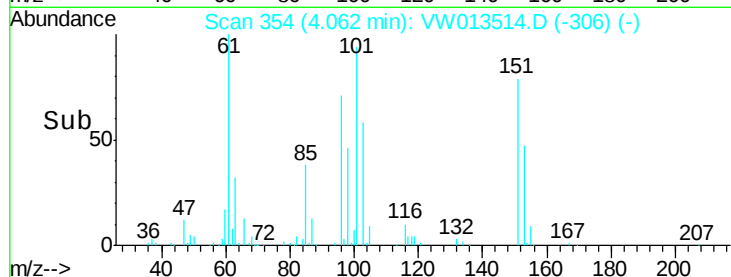
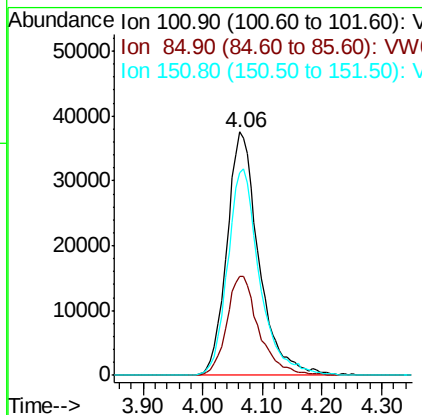
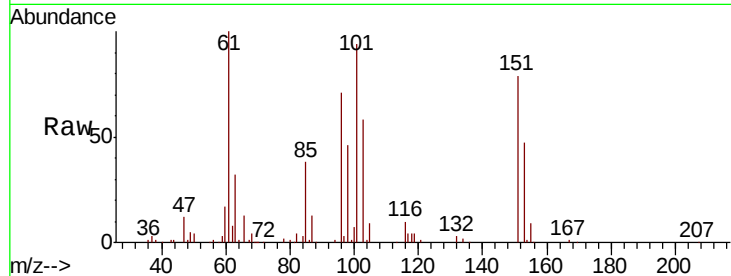
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	140085
Ion Ratio	Lower	Upper	
101	100		
85	41.2	31.6	47.4
151	84.8	67.5	101.3

Manual Integrations
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10/11/2019 4:40:07 PM



#10

Methyl Iodide

Concen: 52.280 ug/l

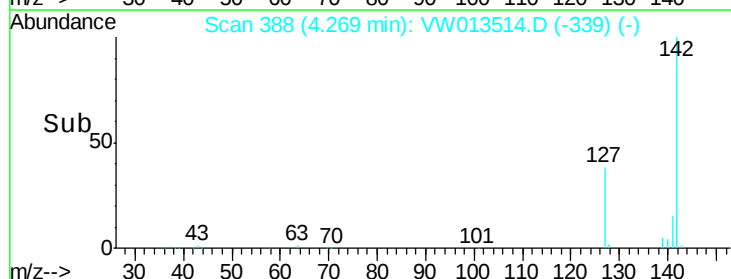
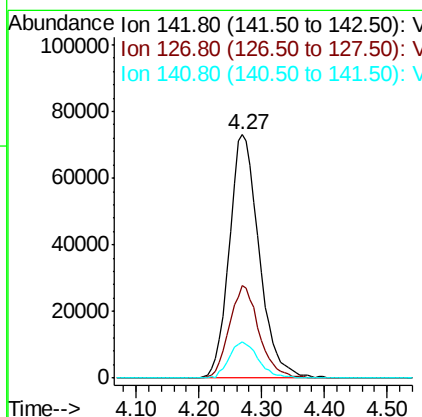
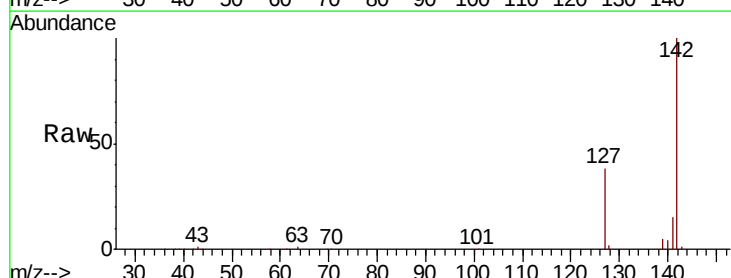
RT: 4.27 min Scan# 388

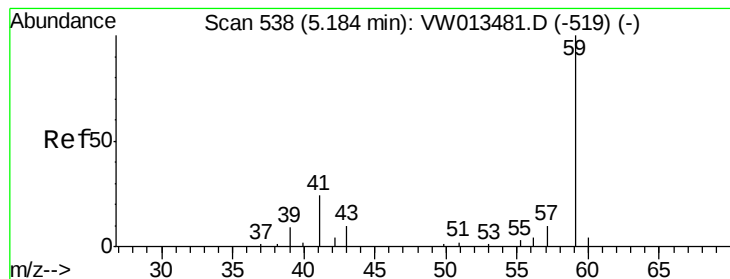
Delta R.T. -0.00 min

Lab File: VW013514.D

Acq: 09 Oct 2019 20:01

Tgt Ion:	142	Resp:	240485
Ion Ratio	Lower	Upper	
142	100		
127	37.7	29.6	44.4
141	14.6	12.1	18.1





#11

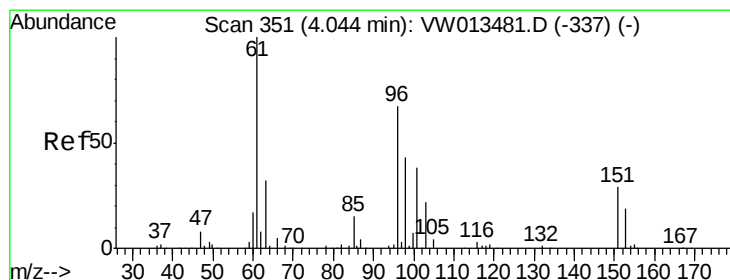
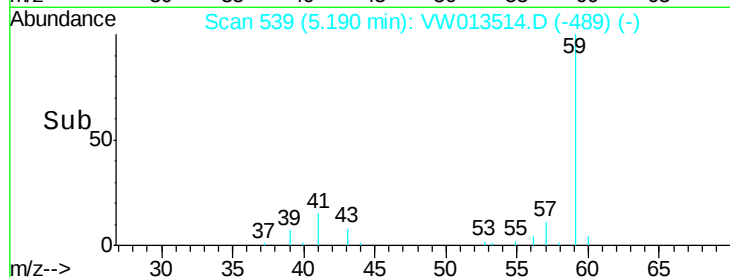
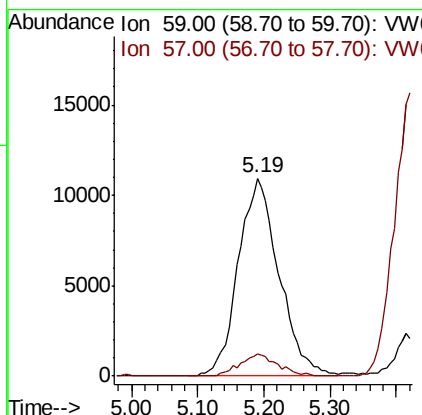
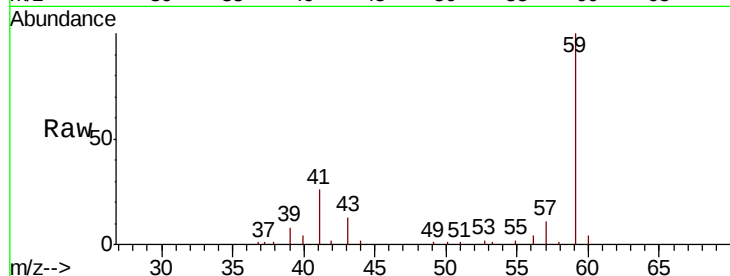
Tert butyl alcohol
Concen: 247.779 ug/l
RT: 5.19 min Scan# 539
Delta R.T. 0.01 min
Lab File: VW013514.D
Acq: 09 Oct 2019 20:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	57	Ratio	Lower	Upper
59	100				
57	10.3		8.2	12.4	

Manual Integrations
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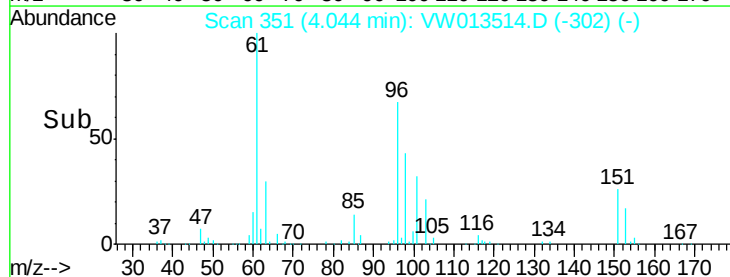
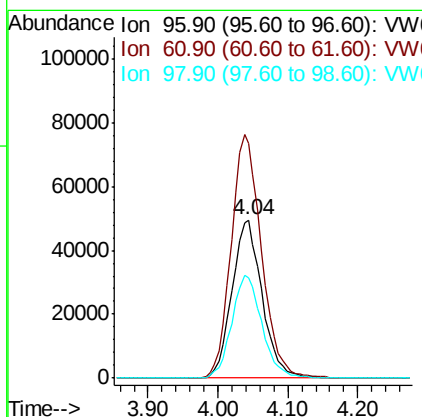
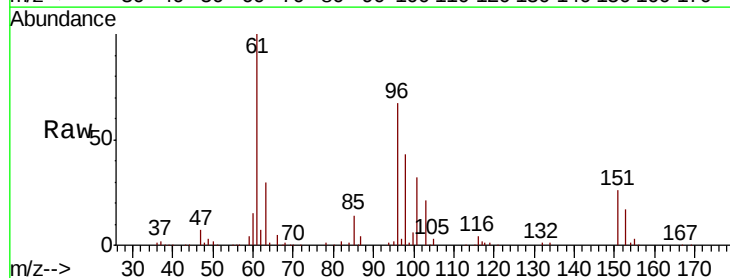
MMDadoda
10/11/2019 4:40:07 PM

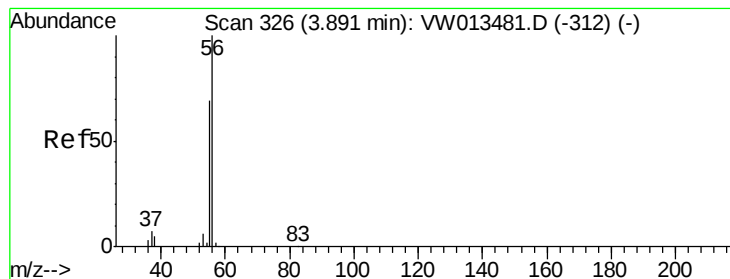


#12

1,1-Dichloroethene
Concen: 49.126 ug/l
RT: 4.04 min Scan# 351
Delta R.T. -0.00 min
Lab File: VW013514.D
Acq: 09 Oct 2019 20:01

Tgt Ion	96	61	98	Ratio	Lower	Upper
96	100					
61	148.7			119.4	179.0	
98	63.4			51.1	76.7	





#13

Acrolein

Concen: 255.259 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW013514.D

Acq: 09 Oct 2019 20:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 61274

Ion Ratio Lower Upper

56 100

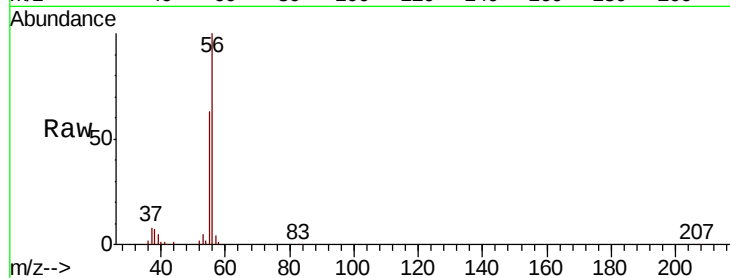
55 69.0 55.9 83.9

Manual Integrations

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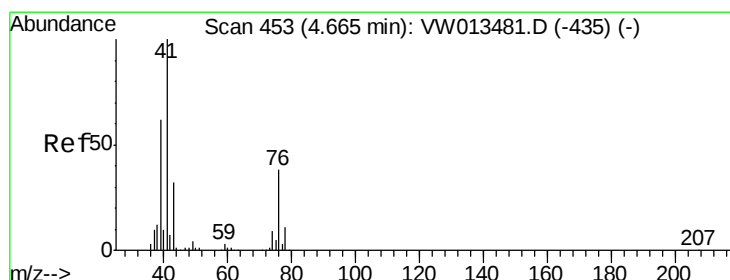
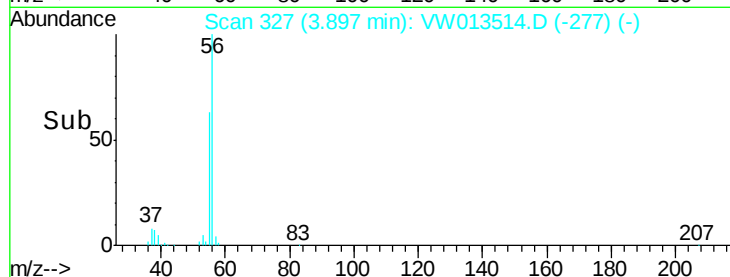
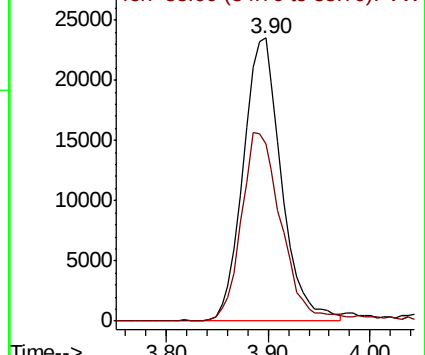
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 52.317 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW013514.D

Acq: 09 Oct 2019 20:01

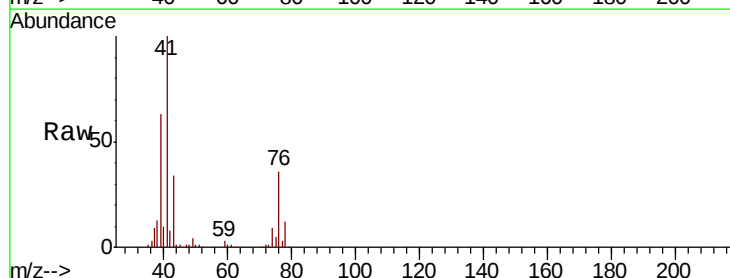
Tgt Ion: 41 Resp: 242039

Ion Ratio Lower Upper

41 100

39 61.3 50.1 75.1

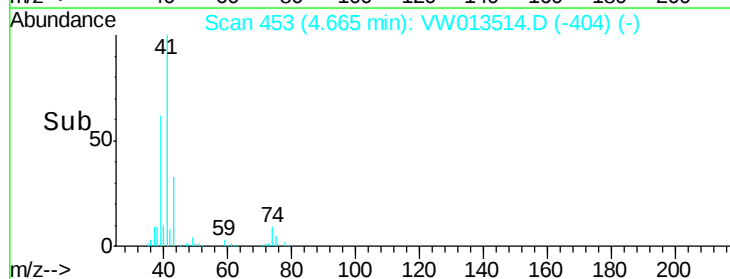
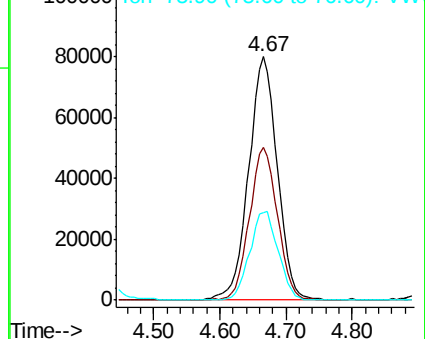
76 36.1 29.0 43.4

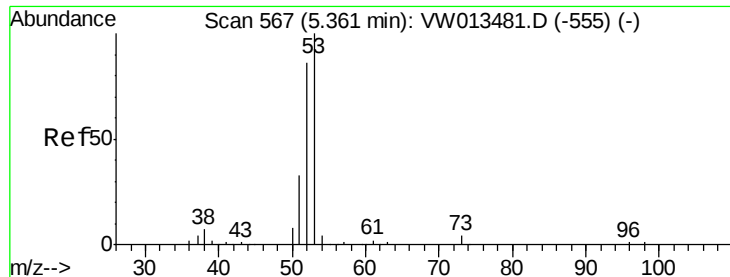


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 248.519 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW013514.D

Acq: 09 Oct 2019 20:01

Instrument :

MSVOA_W

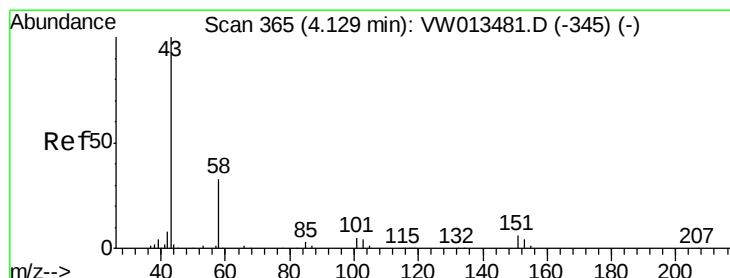
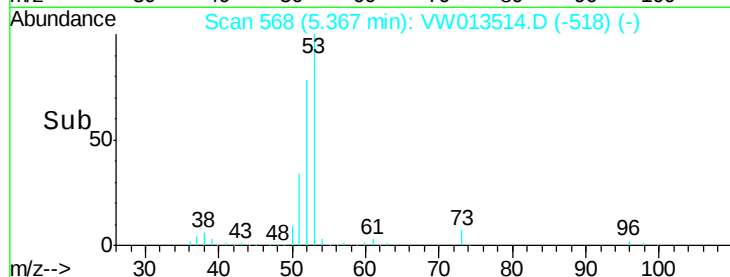
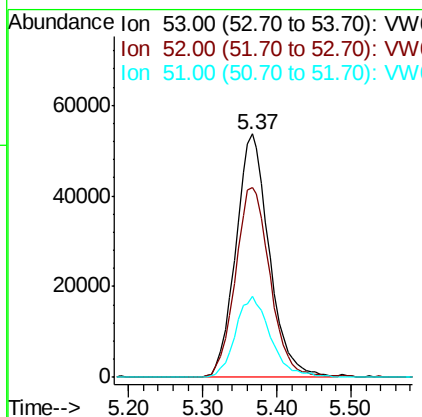
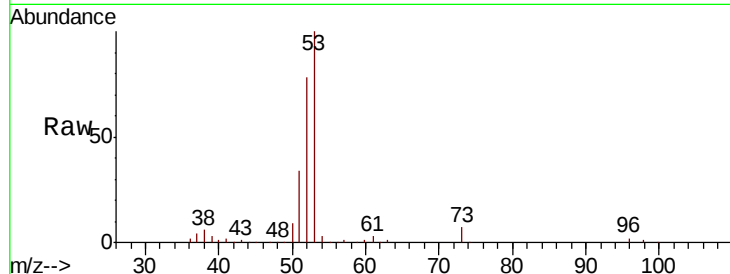
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	169451
Ion	Ratio	Lower	Upper
53	100		
52	80.7	65.8	98.8
51	34.9	28.6	42.8

Manual Integrations
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#16

Acetone

Concen: 212.912 ug/l

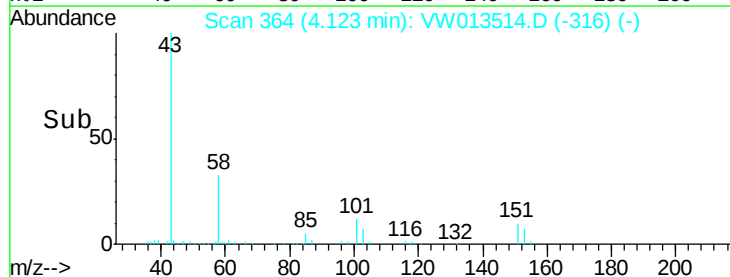
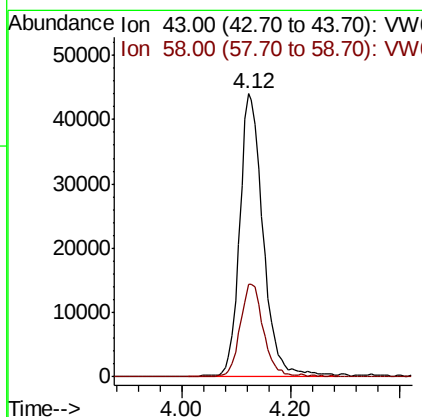
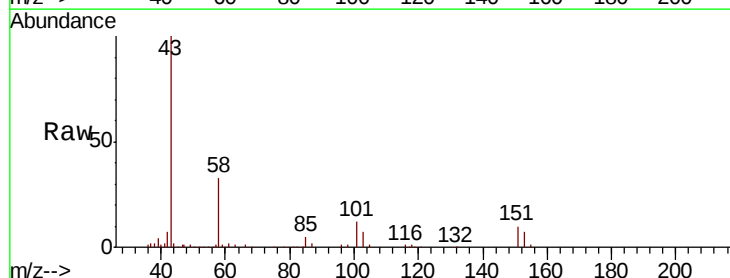
RT: 4.12 min Scan# 364

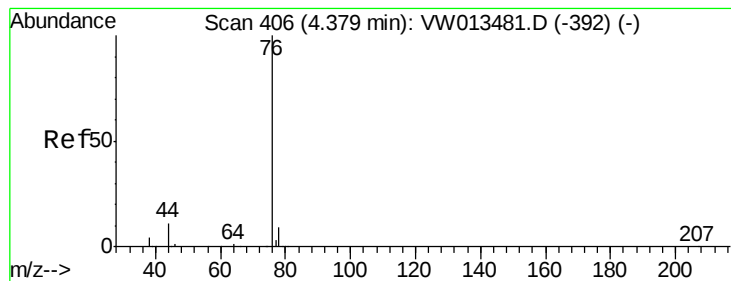
Delta R.T. -0.01 min

Lab File: VW013514.D

Acq: 09 Oct 2019 20:01

Tgt Ion:	43	Resp:	132777
Ion	Ratio	Lower	Upper
43	100		
58	32.7	26.1	39.1





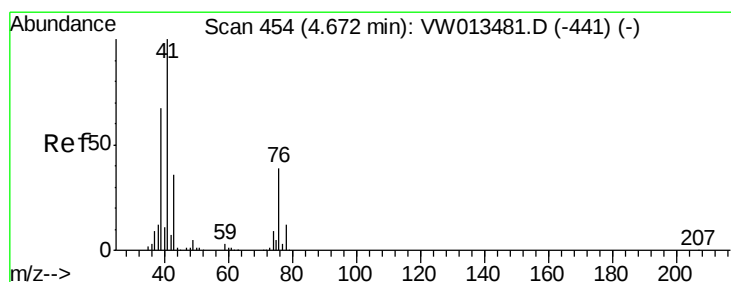
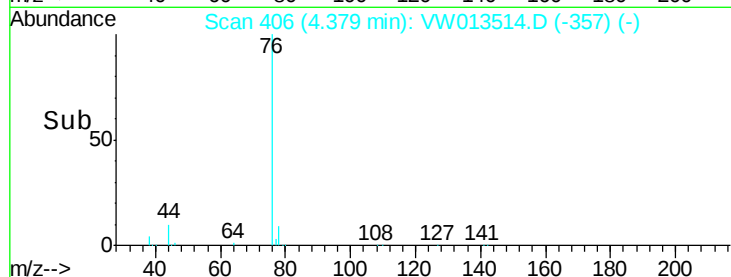
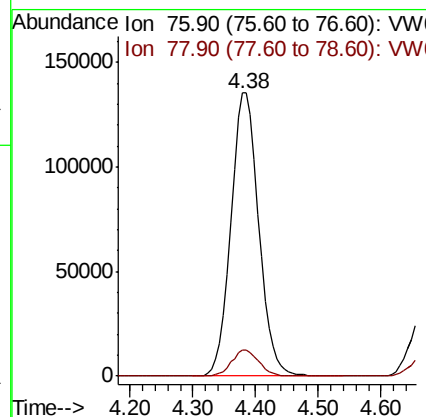
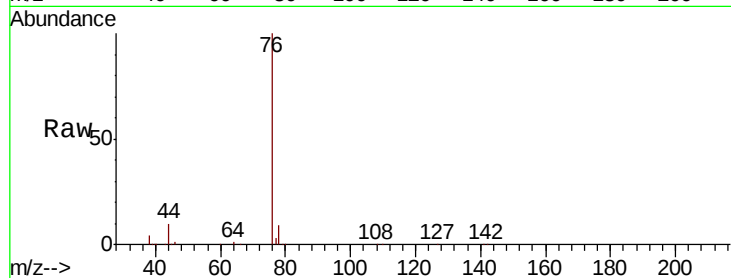
#17
Carbon Disulfide
Concen: 49.171 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW013514.D
Acq: 09 Oct 2019 20:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.1	10.7

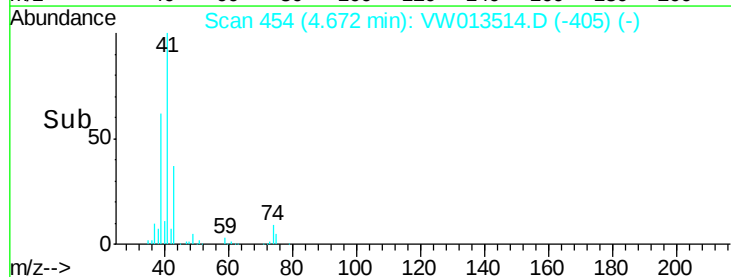
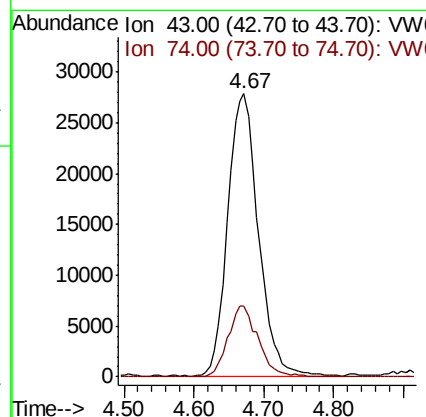
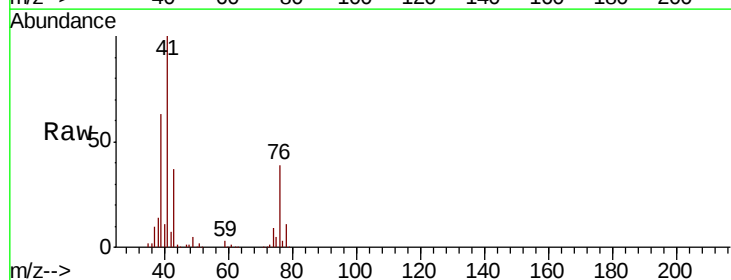
Manual Integrations
APPROVED

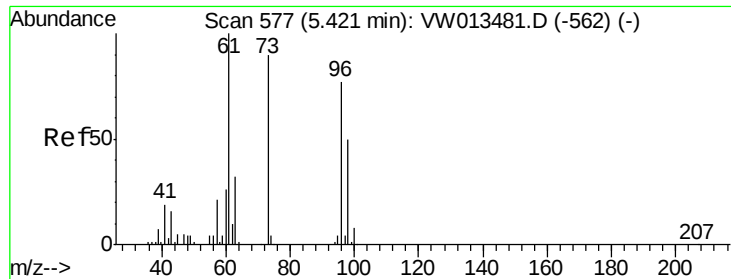
MMDadoda
10/11/2019 4:40:07 PM



#18
Methyl Acetate
Concen: 47.928 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW013514.D
Acq: 09 Oct 2019 20:01

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.4	19.6	29.4





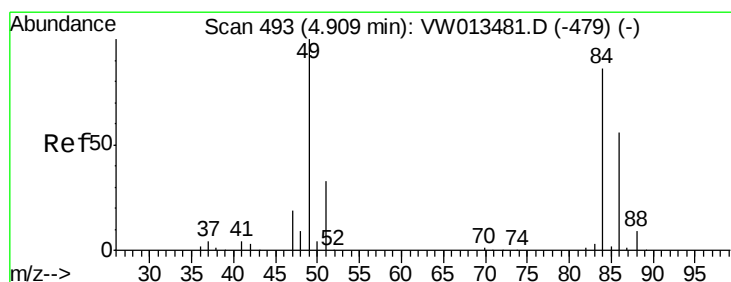
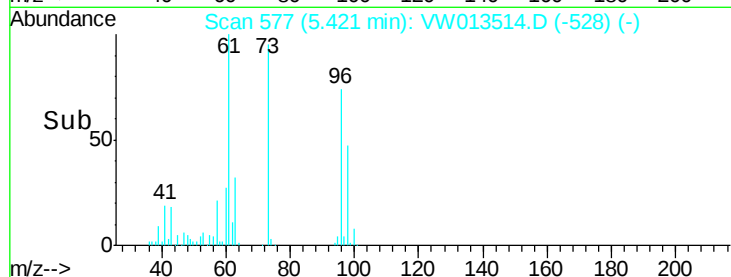
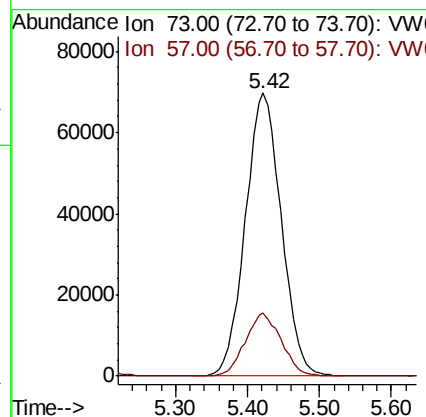
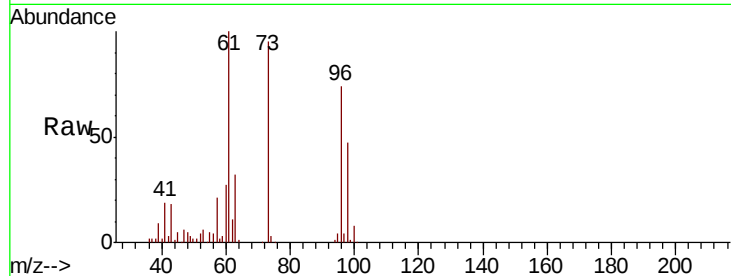
#19
Methvl tert-butvl Ether
Concen: 53.086 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW013514.D
Acq: 09 Oct 2019 20:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 241659
Ion Ratio Lower Upper
73 100
57 22.4 18.6 27.8

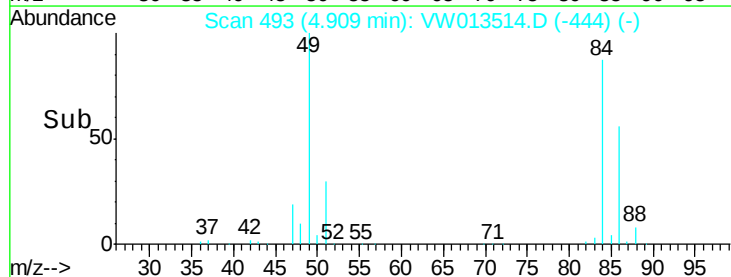
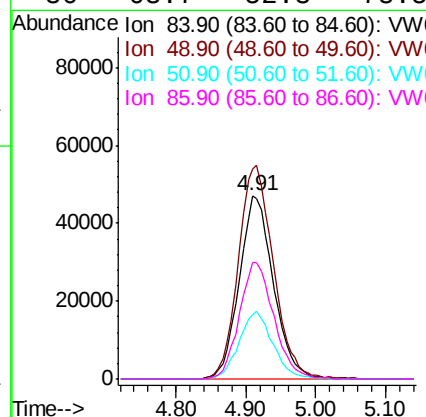
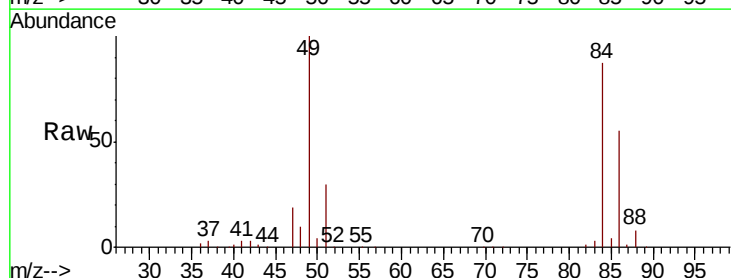
Manual Integrations
APPROVED

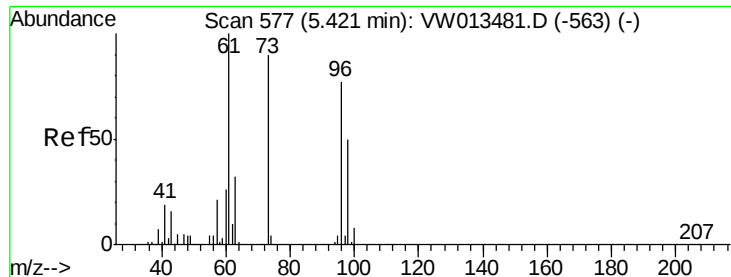
MMDadoda
10/11/2019 4:40:07 PM



#20
Methylene Chloride
Concen: 53.154 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW013514.D
Acq: 09 Oct 2019 20:01

Tgt Ion: 84 Resp: 159613
Ion Ratio Lower Upper
84 100
49 114.9 93.4 140.0
51 34.8 30.6 46.0
86 63.7 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 51.181 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW013514.D

Acq: 09 Oct 2019 20:01

Instrument :

MSVOA_W

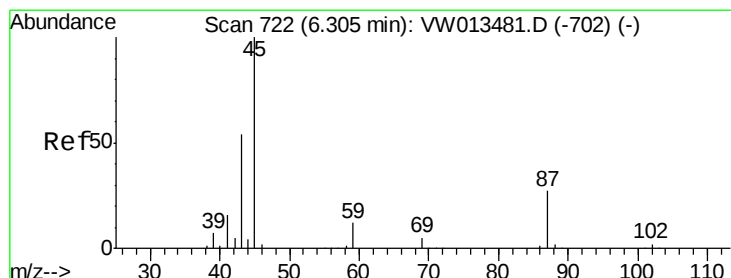
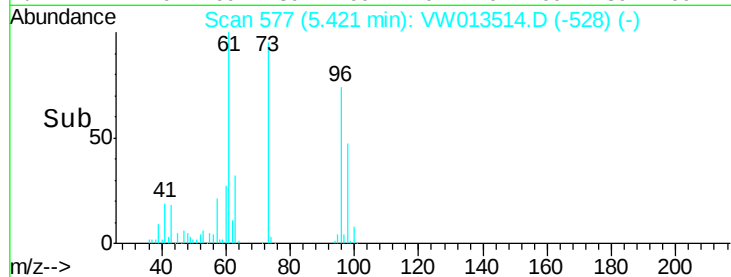
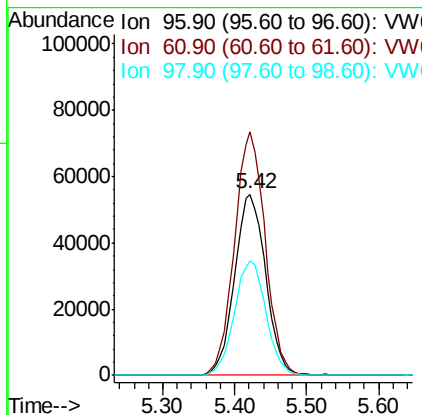
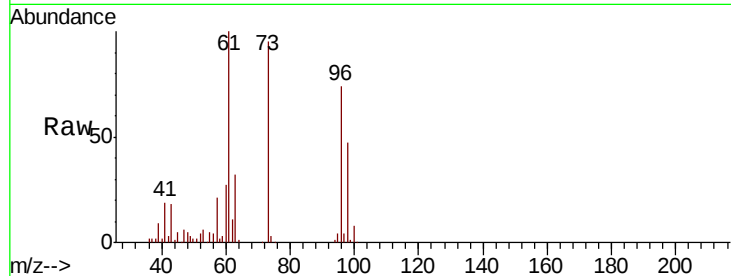
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	163727
Ion	Ratio	Lower	Upper
96	100		
61	134.3	104.3	156.5
98	63.0	51.8	77.8

Manual Integrations
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10/11/2019 4:40:07 PM



#22

Diisopropyl ether

Concen: 54.337 ug/l

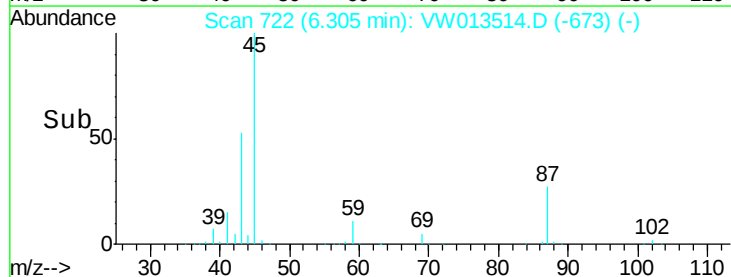
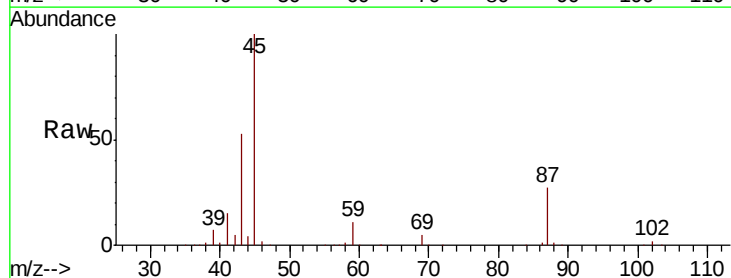
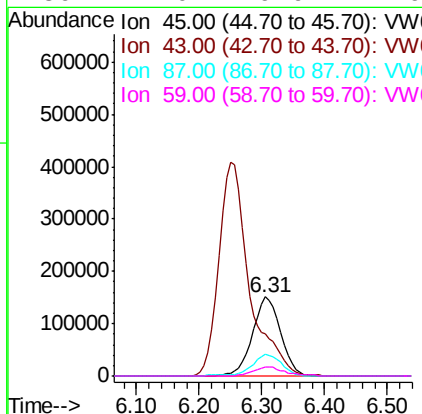
RT: 6.31 min Scan# 722

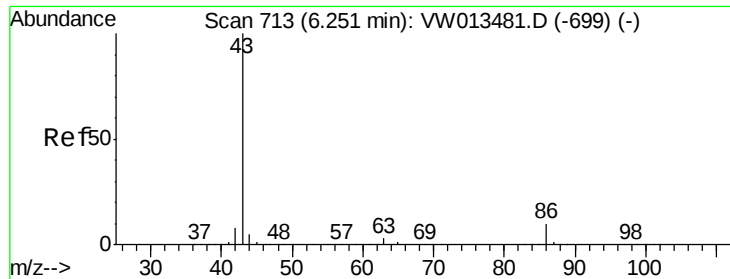
Delta R.T. -0.00 min

Lab File: VW013514.D

Acq: 09 Oct 2019 20:01

Tgt Ion:	45	Resp:	470993
Ion	Ratio	Lower	Upper
45	100		
43	53.0	43.4	65.0
87	27.0	22.1	33.1
59	11.0	9.9	14.9





#23

Vinyl Acetate

Concen: 263.452 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013514.D

Acq: 09 Oct 2019 20:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1371014

Ion Ratio Lower Upper

43 100

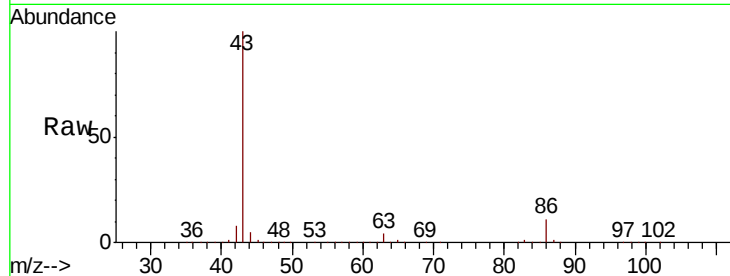
86 10.9 8.3 12.5

Manual Integrations

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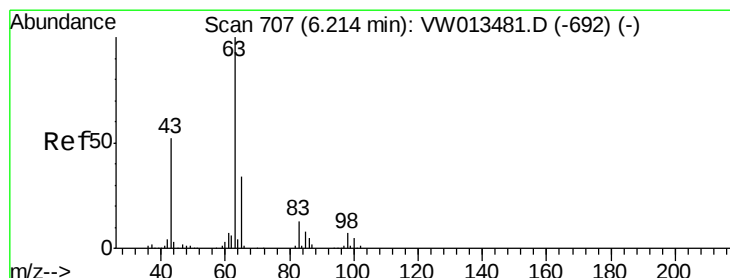
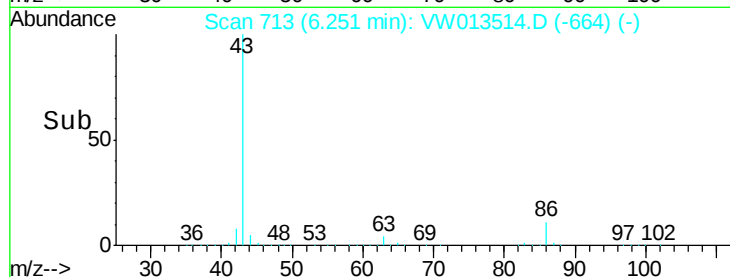
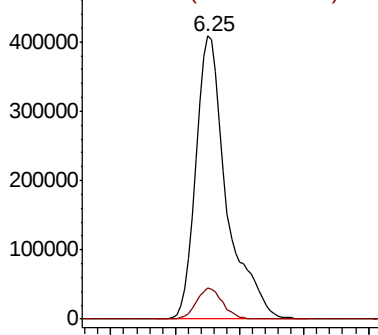
MMDadoda

10/11/2019 4:40:07 PM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 52.505 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013514.D

Acq: 09 Oct 2019 20:01

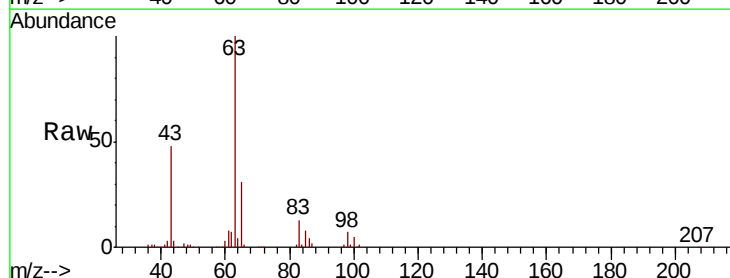
Tgt Ion: 63 Resp: 278174

Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.6

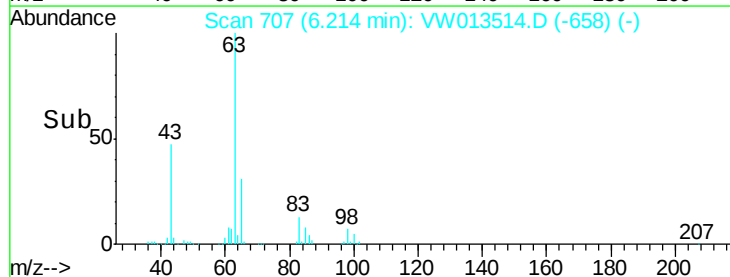
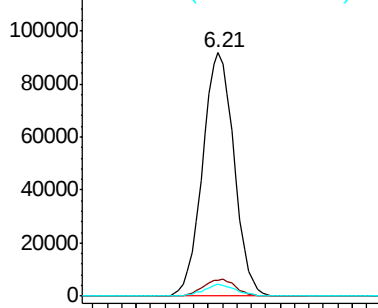
100 4.9 2.3 6.8

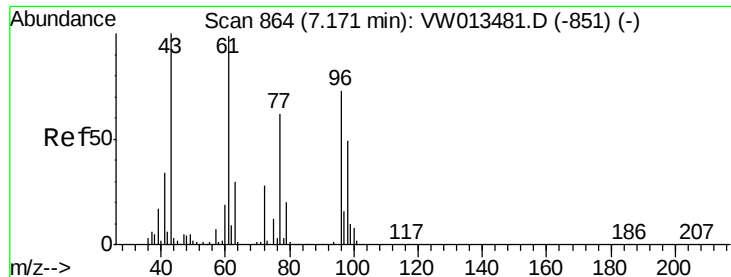


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 227.228 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW013514.D

Acq: 09 Oct 2019 20:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 208838

Ion Ratio Lower Upper

43 100

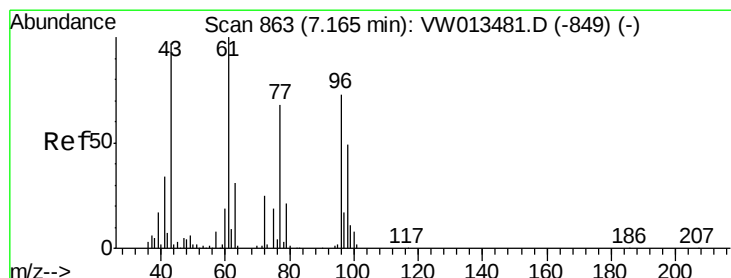
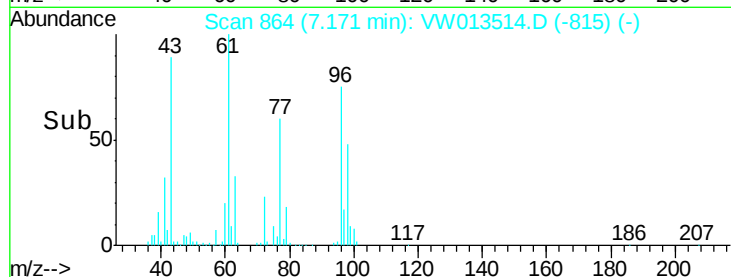
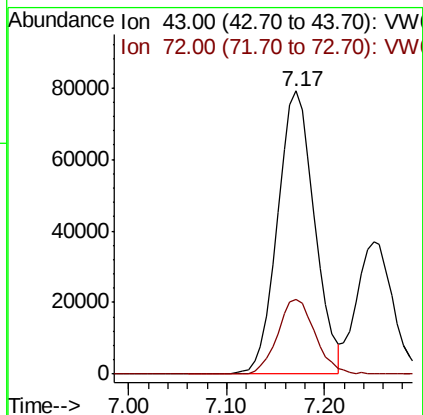
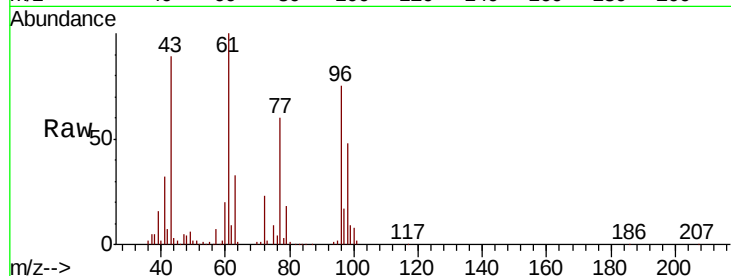
72 26.3 22.1 33.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 48.119 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013514.D

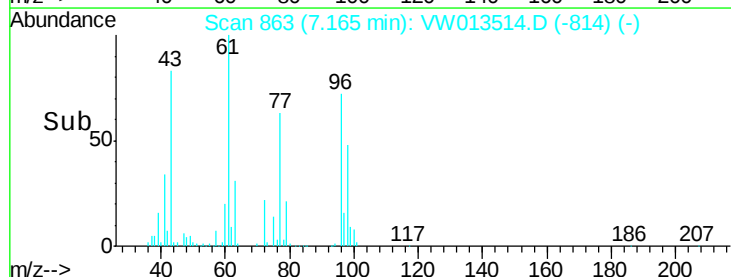
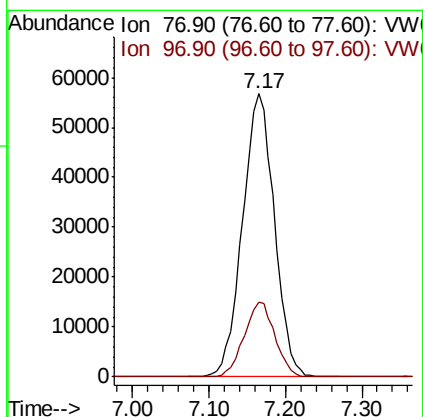
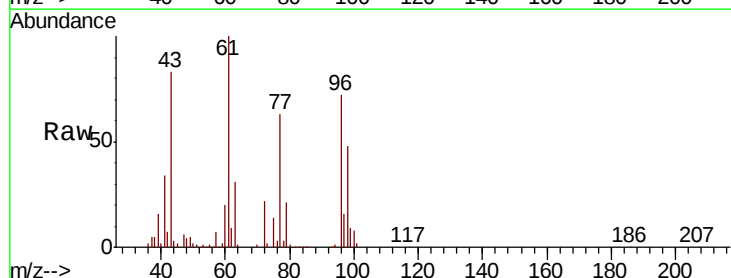
Acq: 09 Oct 2019 20:01

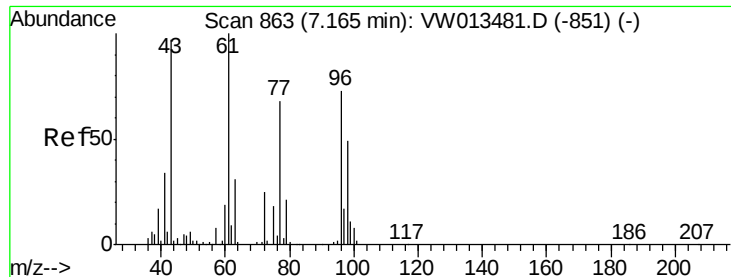
Tgt Ion: 77 Resp: 164347

Ion Ratio Lower Upper

77 100

97 25.6 12.6 37.6





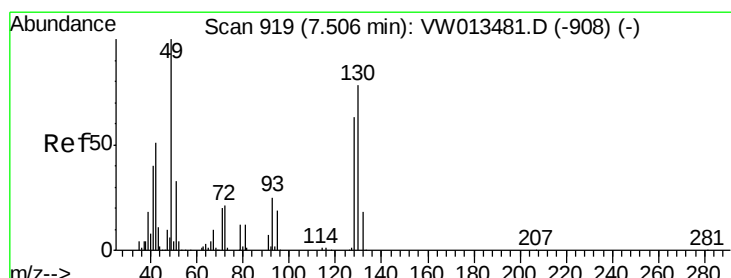
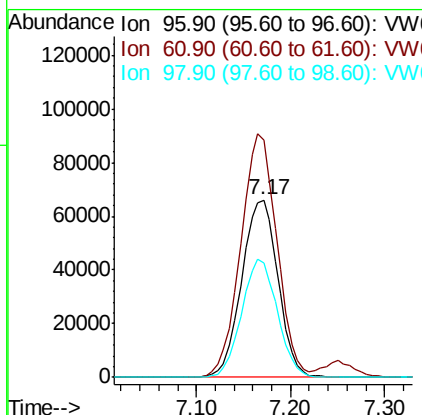
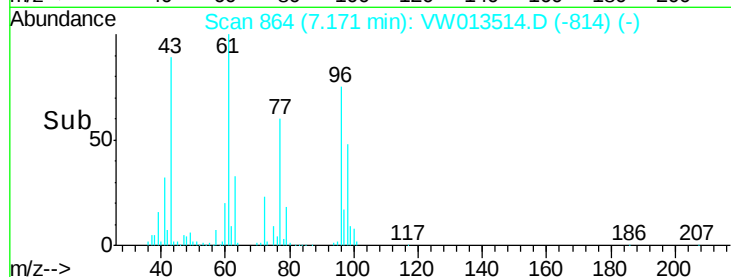
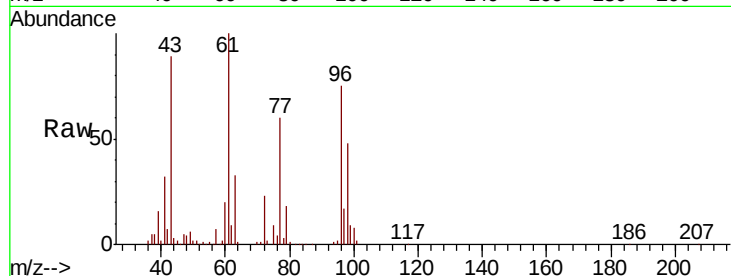
#27
 cis-1,2-Dichloroethene
 Concen: 52.329 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW013514.D
 Acq: 09 Oct 2019 20:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	177129		
61	137.0	0.0	274.4	
98	65.5	0.0	130.2	

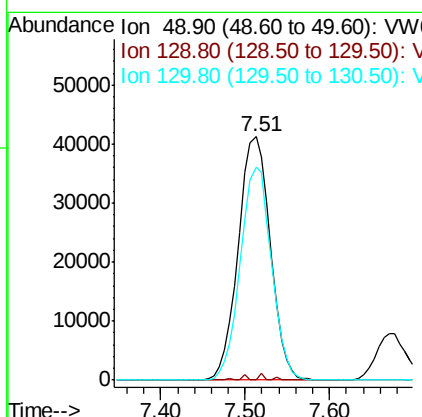
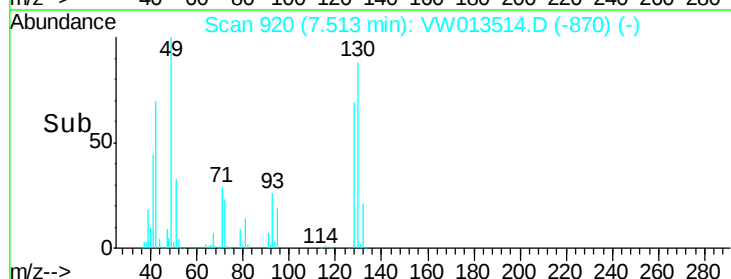
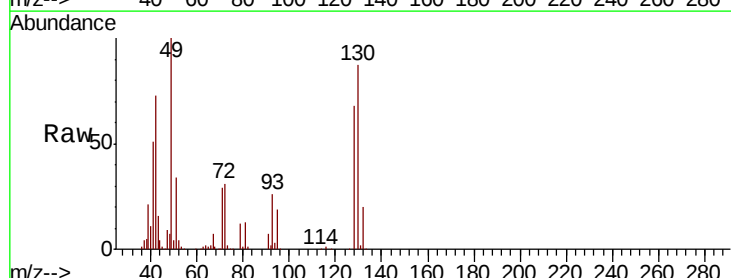
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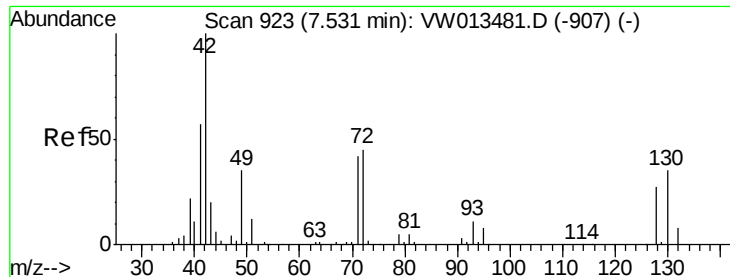
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#28
 Bromochloromethane
 Concen: 51.684 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VW013514.D
 Acq: 09 Oct 2019 20:01

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	106186		
129	0.4	0.0	1.6	
130	84.9	0.0	0.0#	





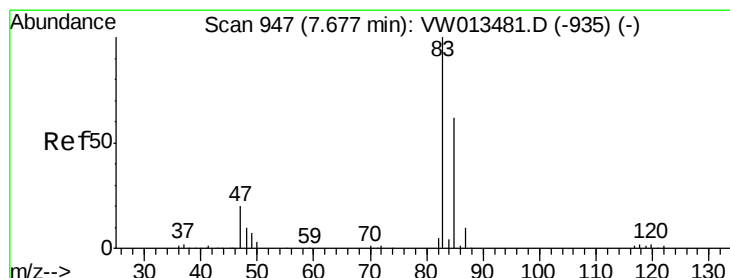
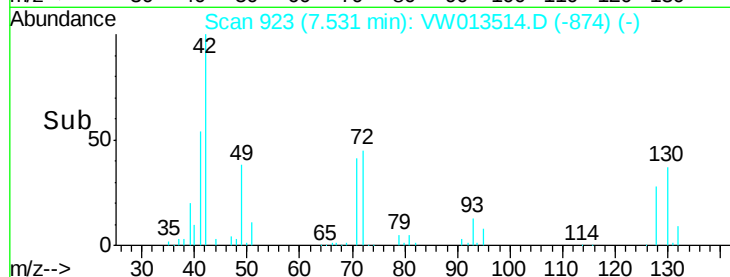
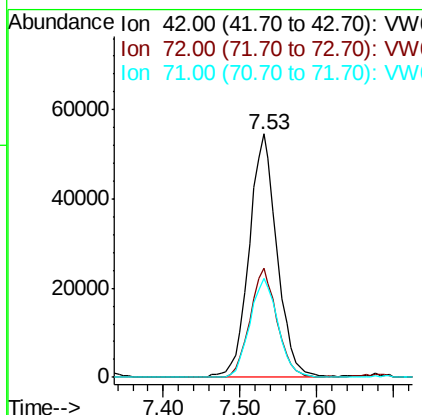
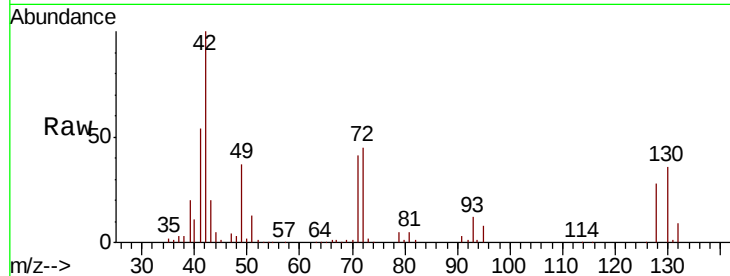
#29
Tetrahydrofuran
Concen: 246.424 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW013514.D
Acq: 09 Oct 2019 20:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.3	34.8	52.2
71	41.1	33.6	50.4

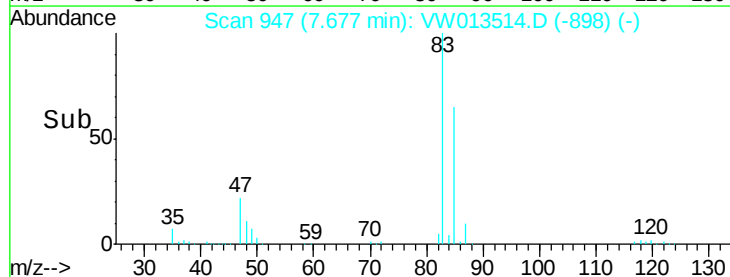
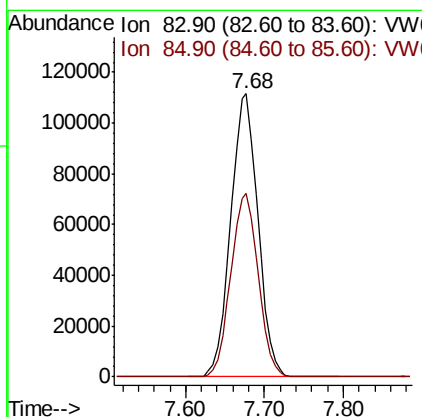
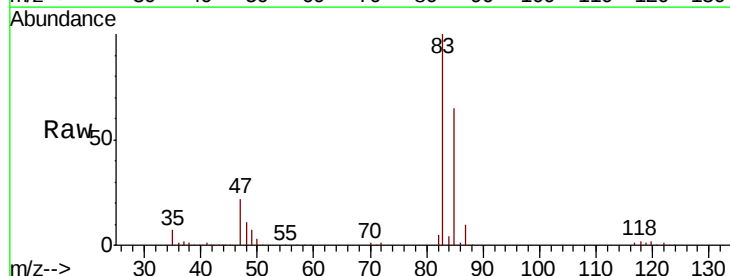
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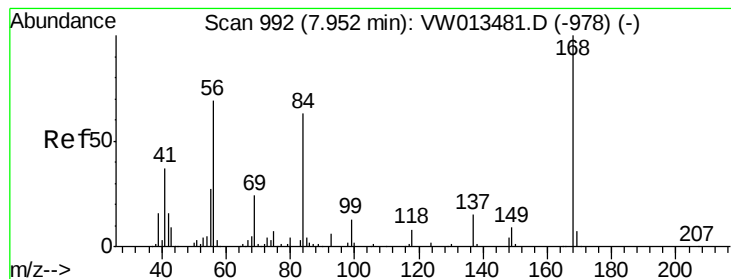
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#30
Chloroform
Concen: 52.287 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW013514.D
Acq: 09 Oct 2019 20:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	49.4	74.2





#31

Cyclohexane

Concen: 46.139 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW013514.D

Acq: 09 Oct 2019 20:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 258725
Ion Ratio Lower Upper

56 100

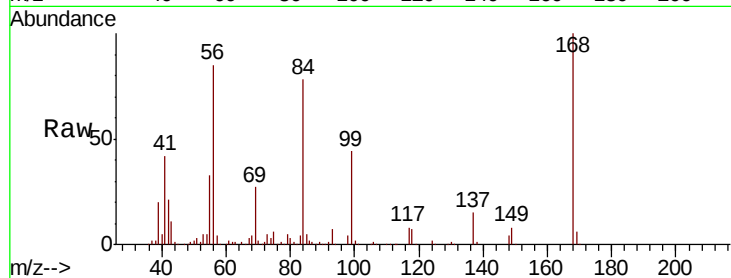
69 31.7 28.0 42.0

84 91.2 71.8 107.6

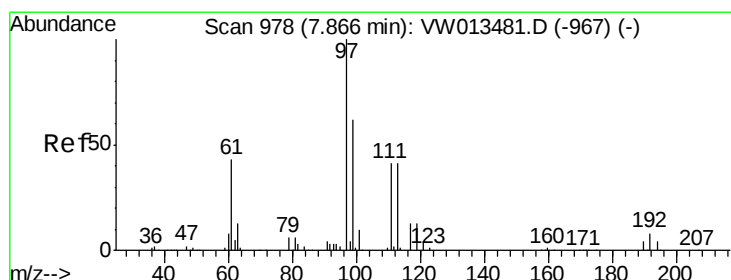
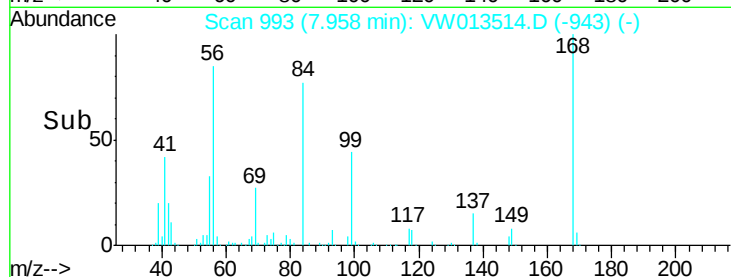
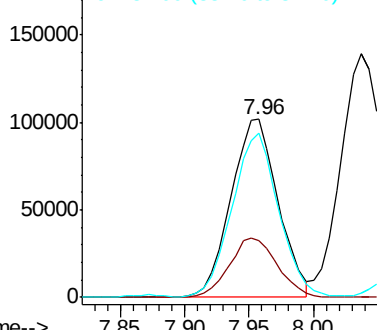
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Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 51.781 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.01 min

Lab File: VW013514.D

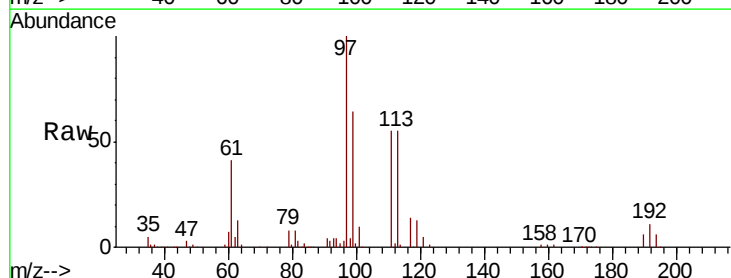
Acq: 09 Oct 2019 20:01

Tgt Ion: 97 Resp: 215709
Ion Ratio Lower Upper

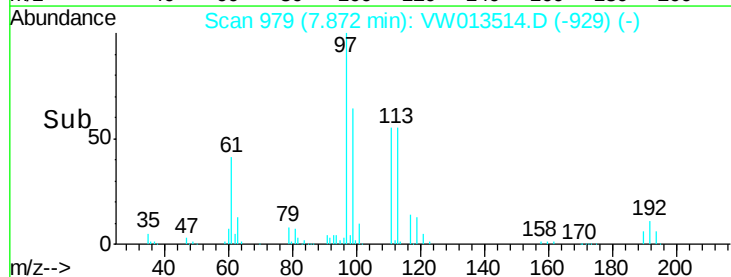
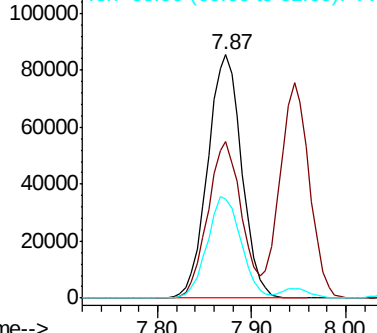
97 100

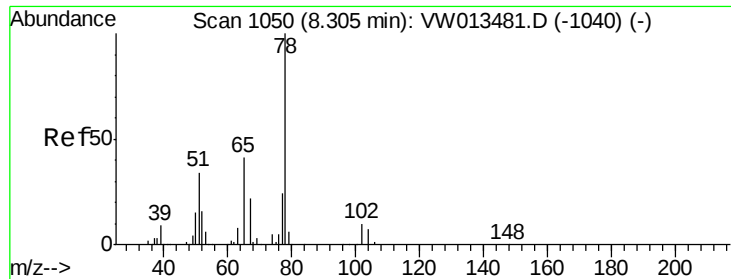
99 63.9 52.3 78.5

61 41.7 33.7 50.5



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





#33

1,2-Dichloroethane-d4

Concen: 51.113 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013514.D

Acq: 09 Oct 2019 20:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 136976

Ion Ratio Lower Upper

65 100

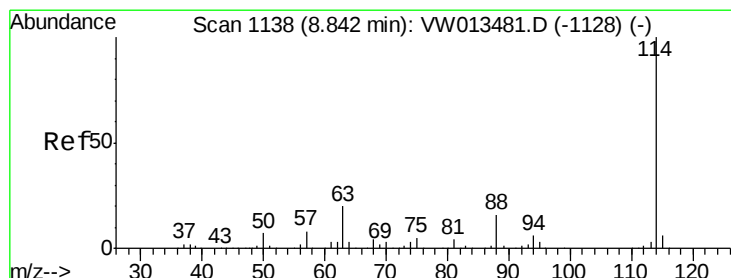
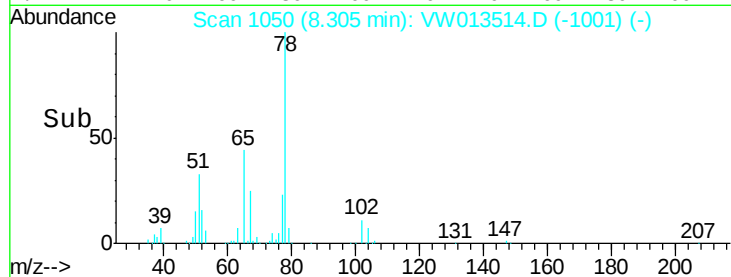
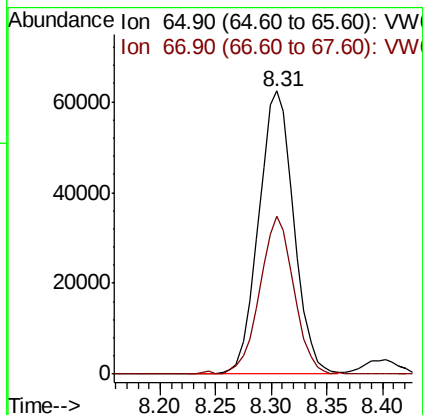
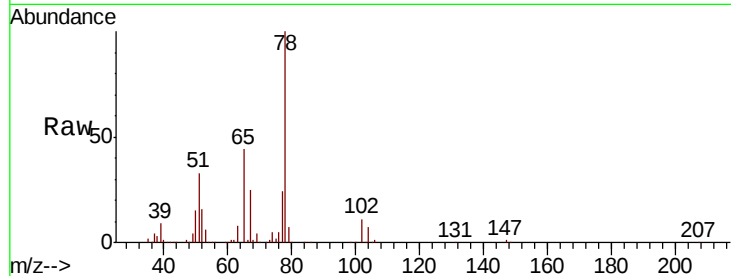
67 54.0 0.0 109.4

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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: VW013514.D

Acq: 09 Oct 2019 20:01

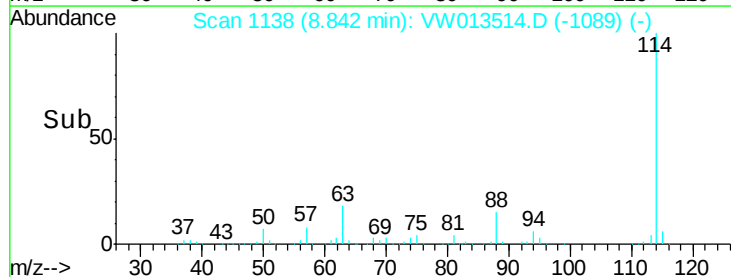
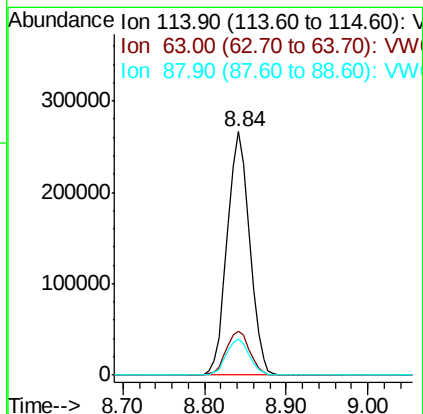
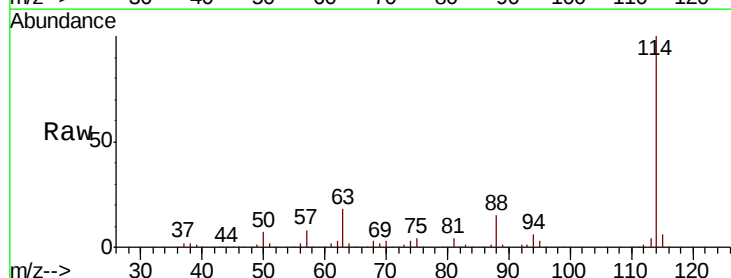
Tgt Ion: 114 Resp: 504775

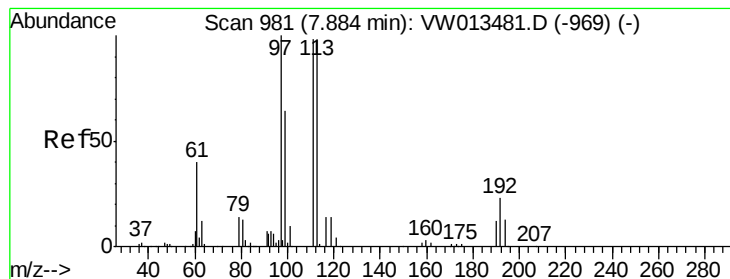
Ion Ratio Lower Upper

114 100

63 18.3 0.0 40.4

88 15.0 0.0 31.4





#35

Dibromofluoromethane

Concen: 49.604 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW013514.D

Acq: 09 Oct 2019 20:01

Instrument :

MSVOA_W

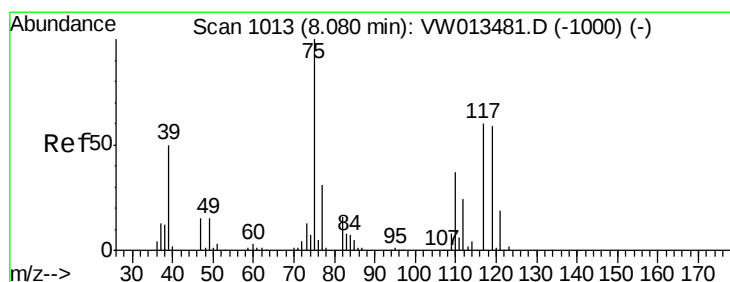
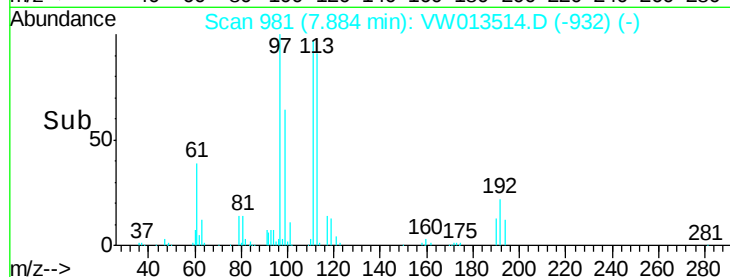
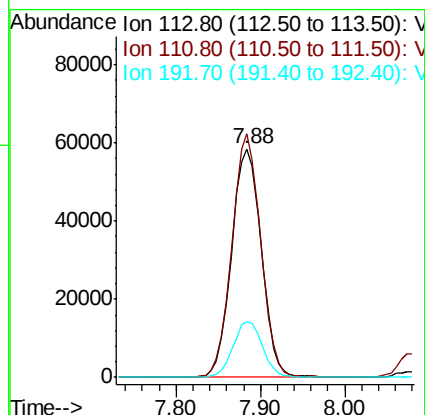
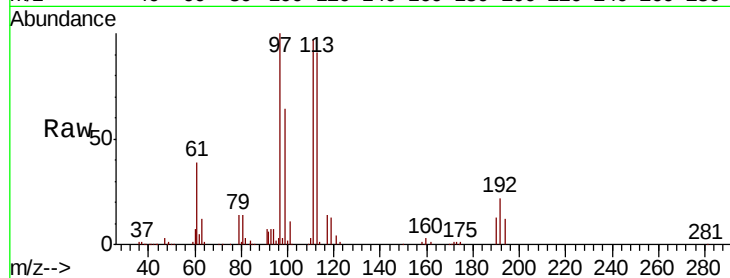
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	139846
Ion Ratio	Lower	Upper	
113	100		
111	102.7	82.3	123.5
192	24.1	19.3	28.9

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#36

1,1-Dichloropropene

Concen: 48.350 ug/l

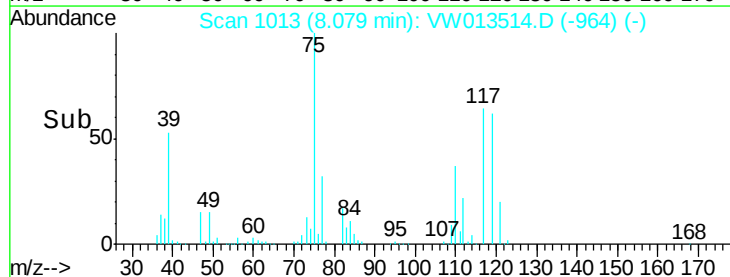
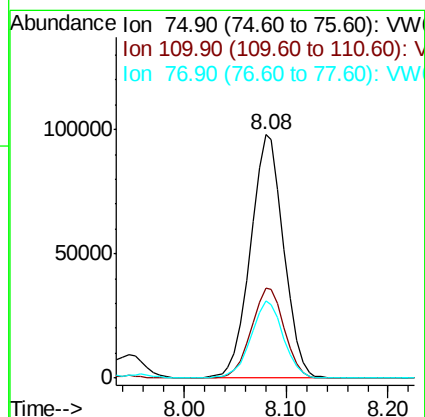
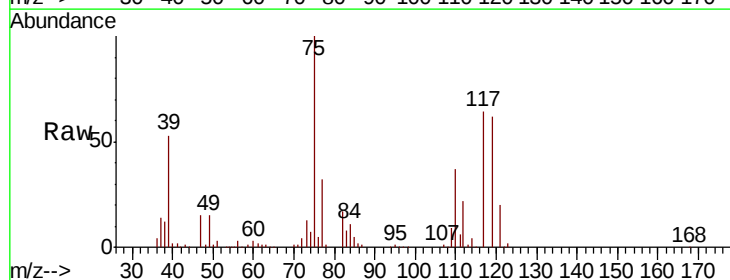
RT: 8.08 min Scan# 1013

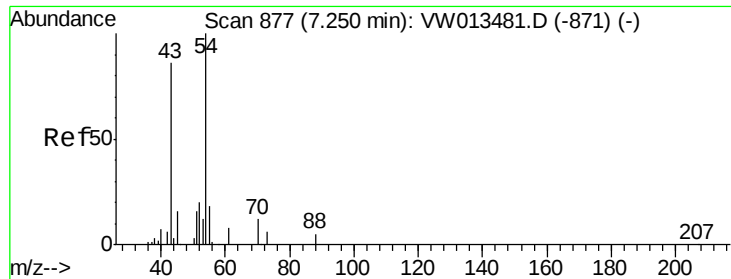
Delta R.T. -0.00 min

Lab File: VW013514.D

Acq: 09 Oct 2019 20:01

Tgt Ion:	75	Resp:	220782
Ion Ratio	Lower	Upper	
75	100		
110	36.9	18.4	55.2
77	31.2	25.0	37.4





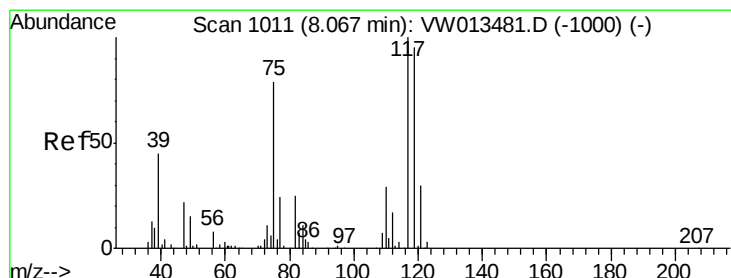
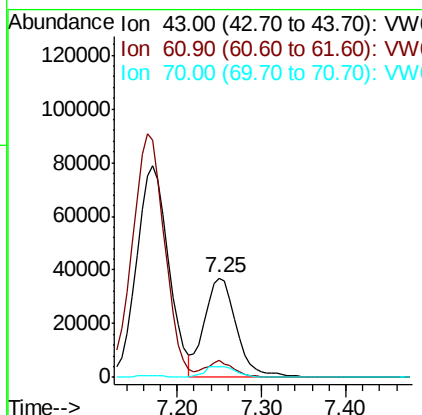
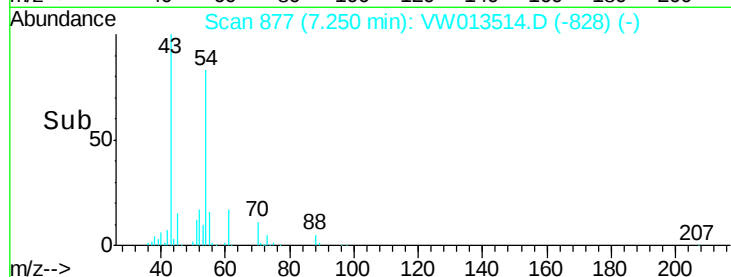
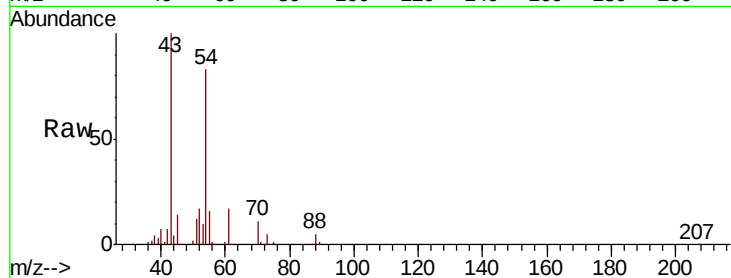
#37
Ethyl Acetate
Concen: 46.978 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013514.D
Acq: 09 Oct 2019 20:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	10.9	16.3
70	11.0	9.2	13.8

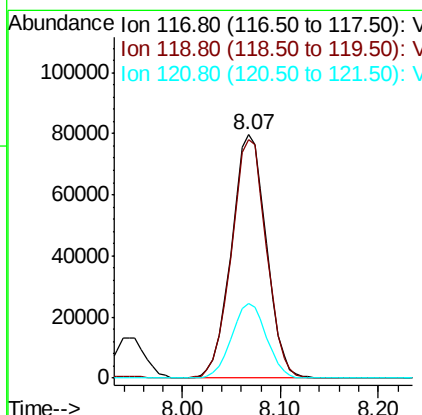
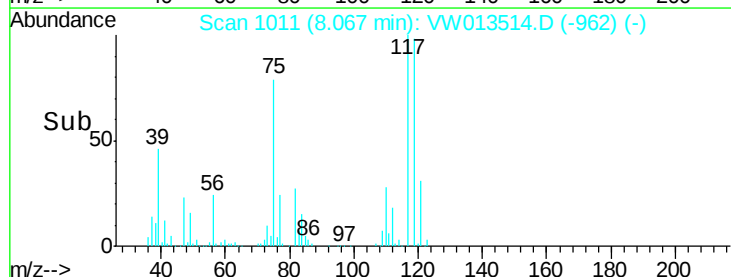
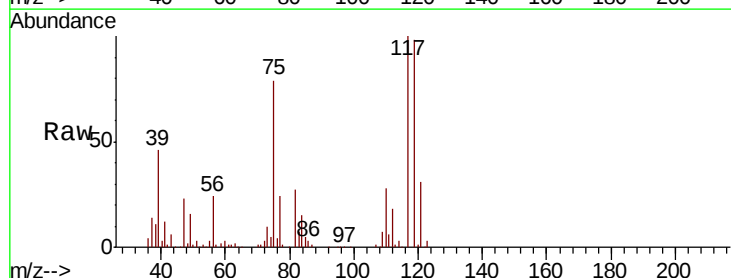
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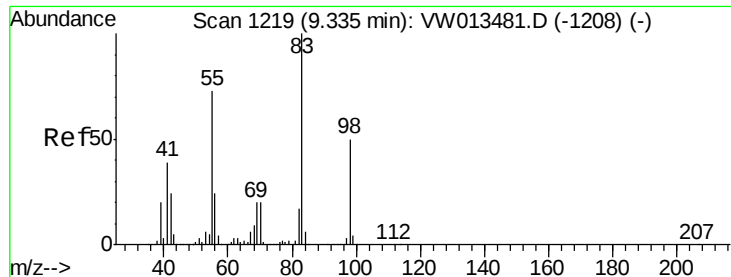
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#38
Carbon Tetrachloride
Concen: 48.733 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013514.D
Acq: 09 Oct 2019 20:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.2	76.3	114.5
121	30.9	23.6	35.4





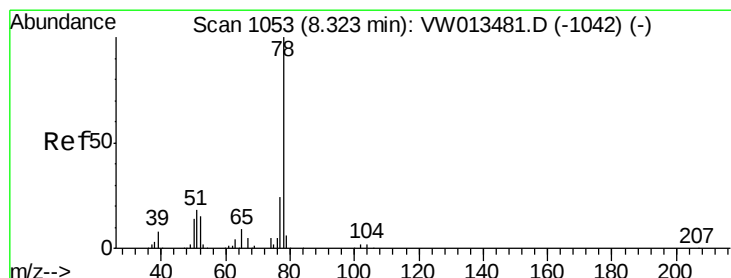
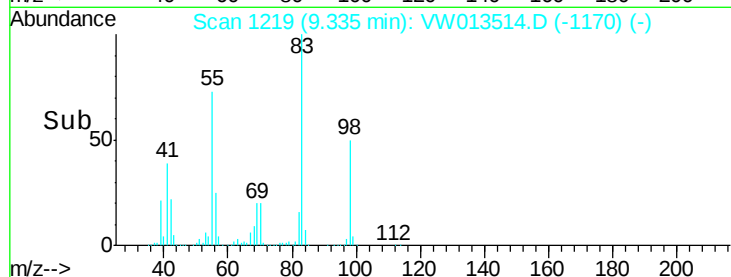
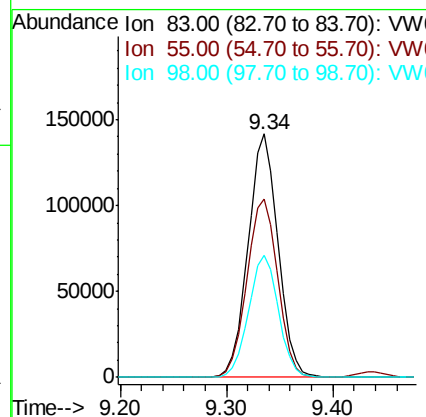
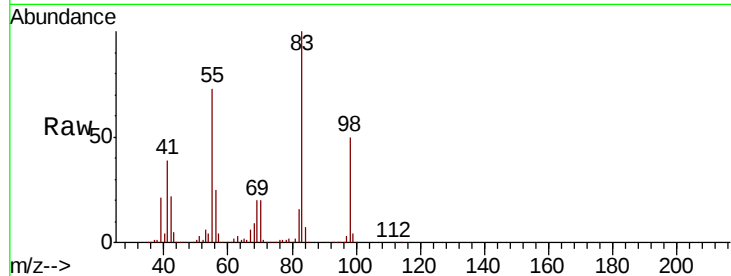
#39
Methvlcvclohexane
Concen: 47.270 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013514.D
Acq: 09 Oct 2019 20:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.1	58.2	87.4
98	49.9	39.8	59.6

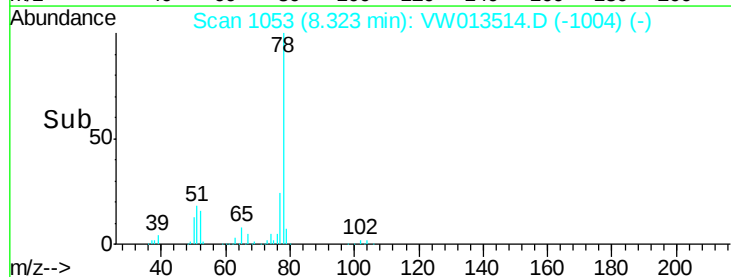
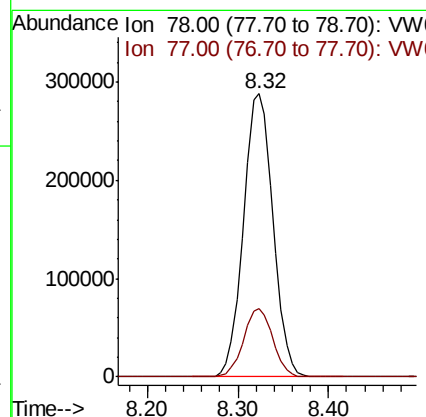
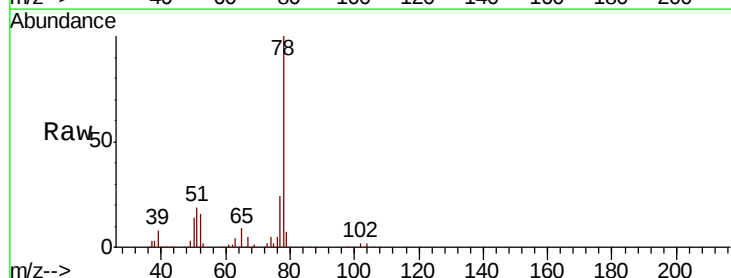
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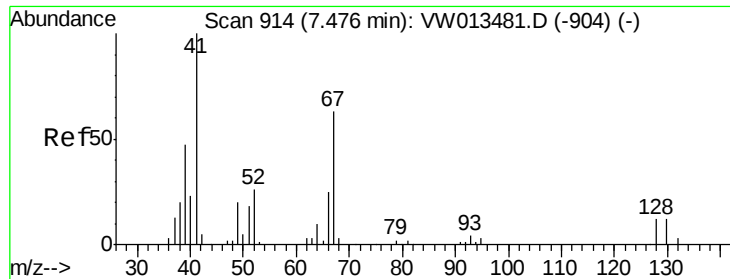
MMDadoda
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#40
Benzene
Concen: 50.822 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013514.D
Acq: 09 Oct 2019 20:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.2	28.8





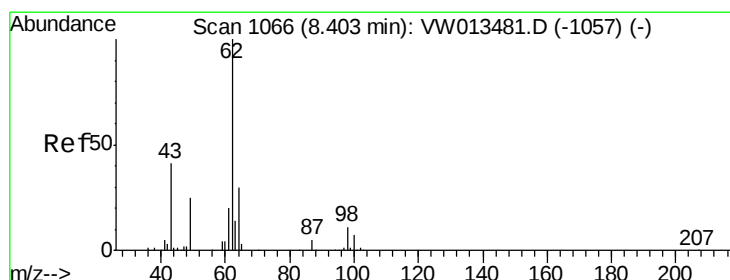
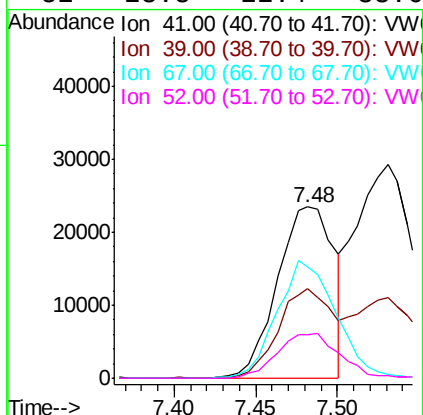
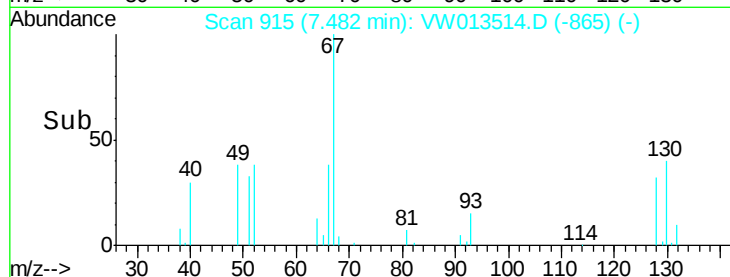
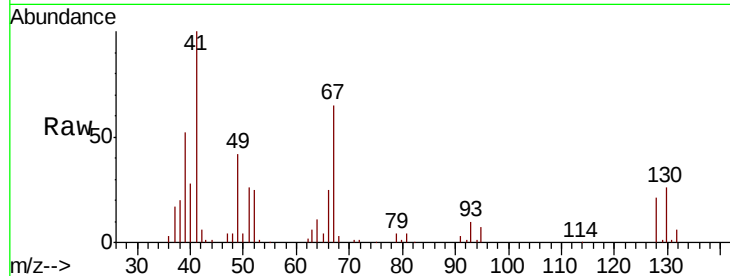
#41
Methacrylonitrile
Concen: 47.894 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.01 min
Lab File: VW013514.D
Acq: 09 Oct 2019 20:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	50.1	39.4	59.0
67	71.7	57.0	85.6
52	28.8	22.4	33.6

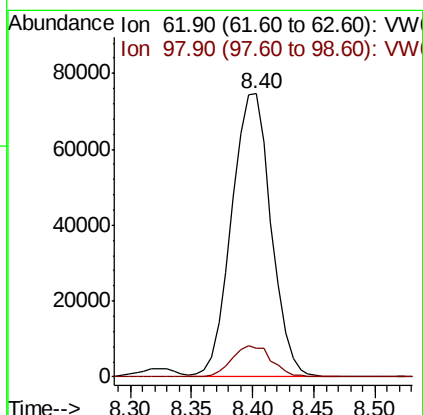
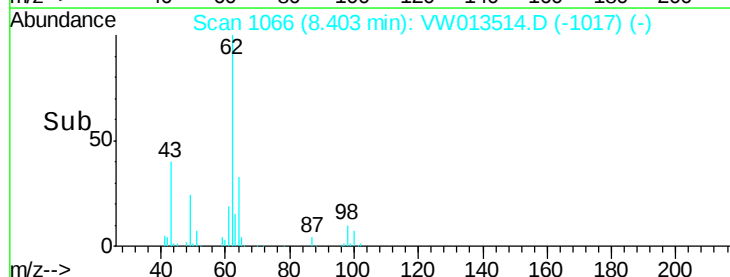
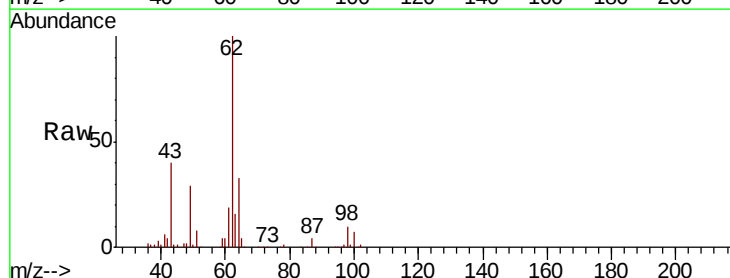
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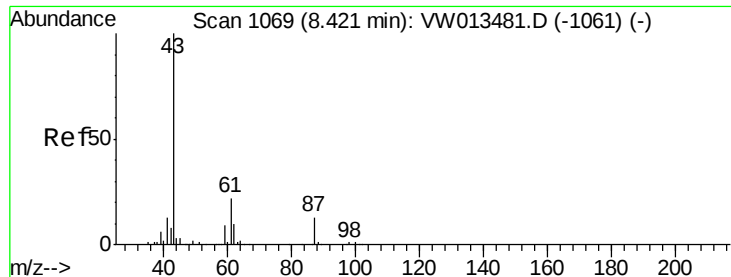
MMDadoda
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#42
1,2-Dichloroethane
Concen: 51.949 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW013514.D
Acq: 09 Oct 2019 20:01

Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.1	0.0	21.4





#43

Isopropyl Acetate

Concen: 50.041 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013514.D

Acq: 09 Oct 2019 20:01

Instrument :

MSVOA_W

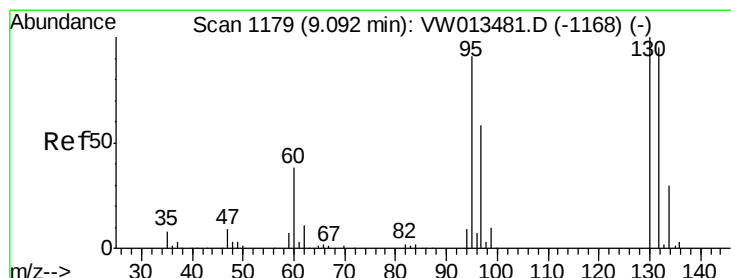
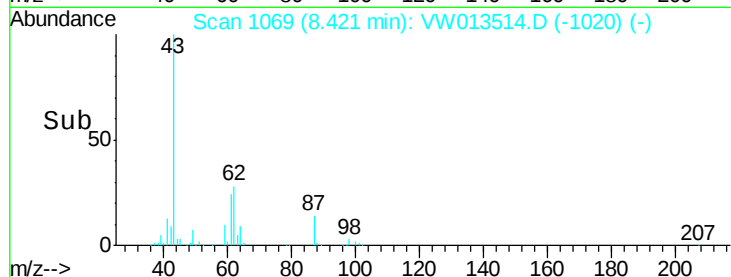
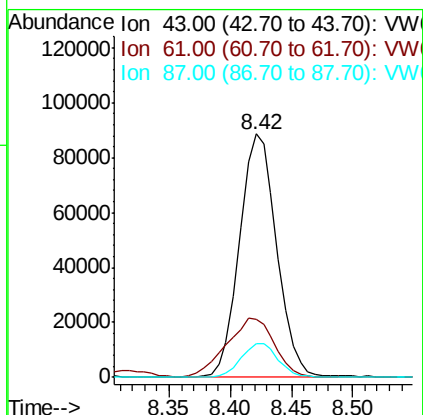
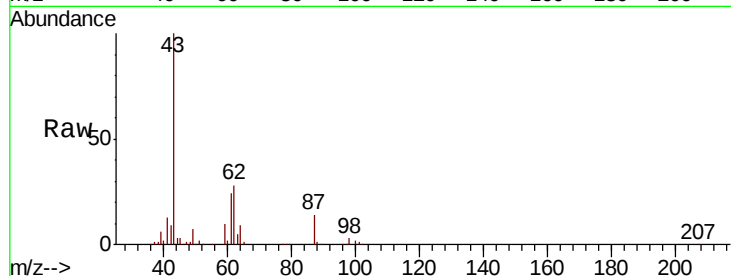
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	187307
Ion Ratio	Lower	Upper	
43	100		
61	31.3	25.4	38.2
87	13.9	10.8	16.2

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#44

Trichloroethene

Concen: 50.919 ug/l

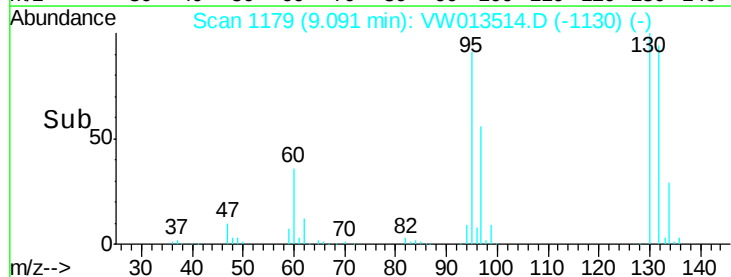
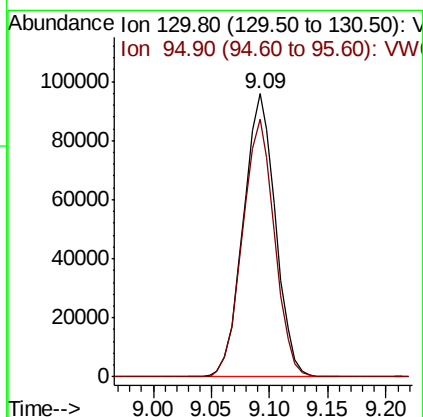
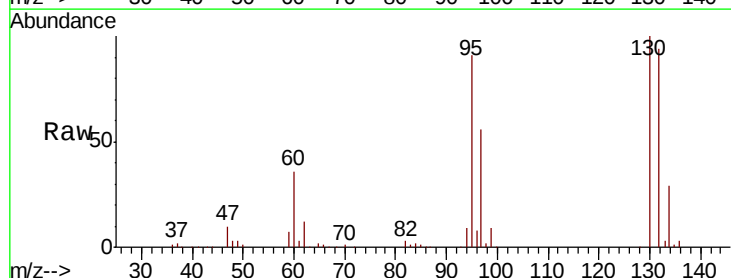
RT: 9.09 min Scan# 1179

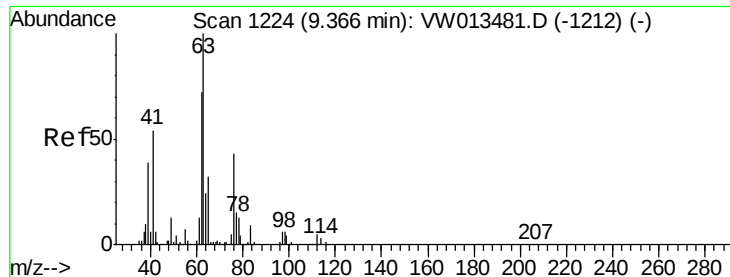
Delta R.T. -0.00 min

Lab File: VW013514.D

Acq: 09 Oct 2019 20:01

Tgt Ion:	130	Resp:	185158
Ion Ratio	Lower	Upper	
130	100		
95	90.9	0.0	182.2





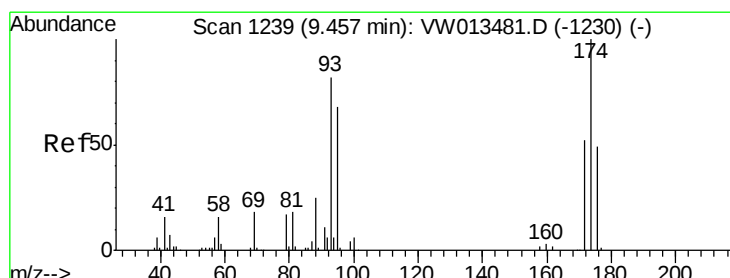
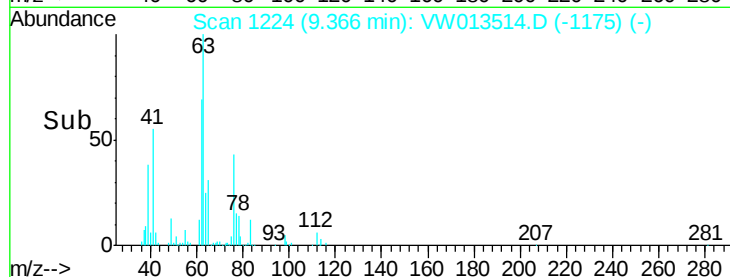
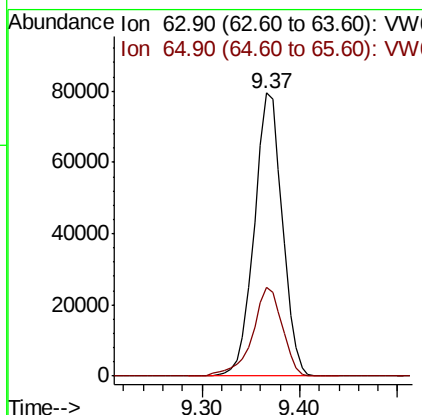
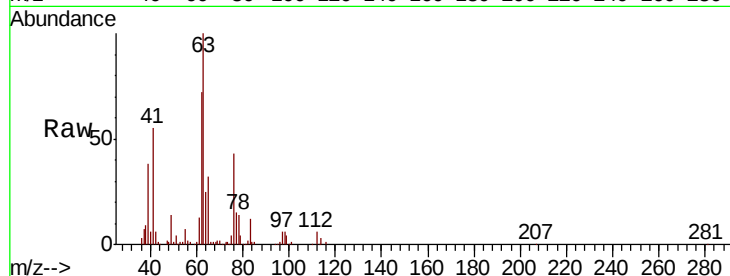
#45
 1,2-Dichloropropane
 Concen: 51.778 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013514.D
 Acq: 09 Oct 2019 20:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.6	25.8	38.6

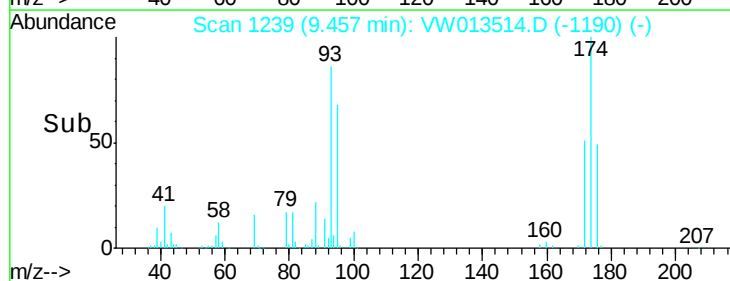
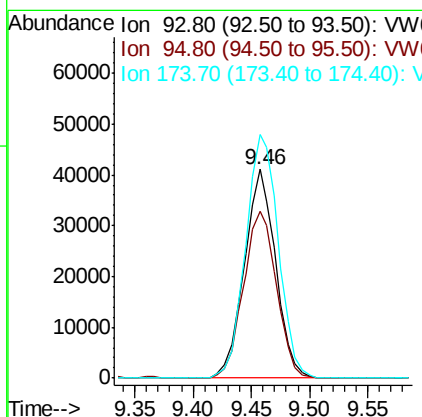
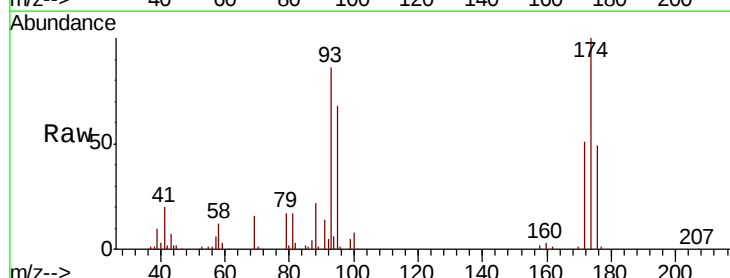
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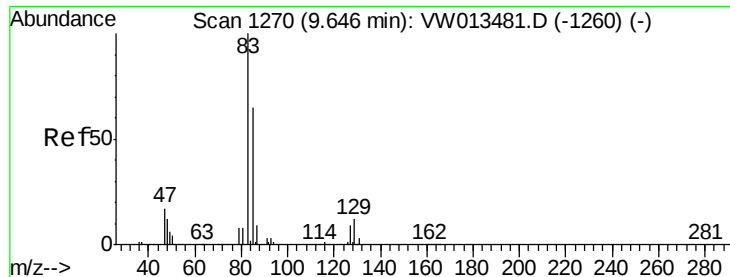
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#46
 Dibromomethane
 Concen: 50.570 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013514.D
 Acq: 09 Oct 2019 20:01

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.2	68.0	102.0
174	122.2	97.0	145.6





#47

Bromodichloromethane

Concen: 52.375 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW013514.D

Acq: 09 Oct 2019 20:01

Instrument :

MSVOA_W

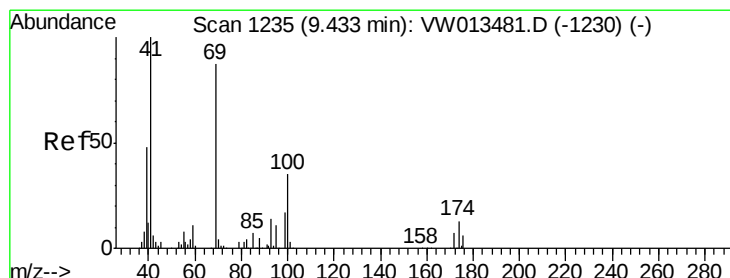
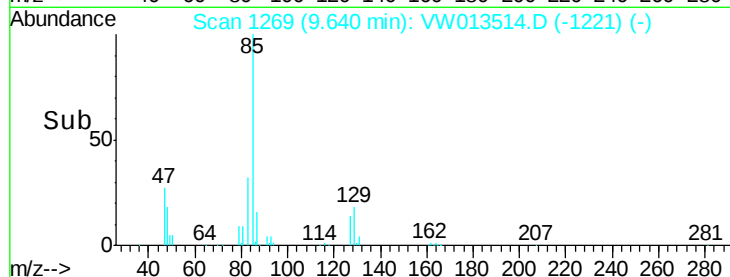
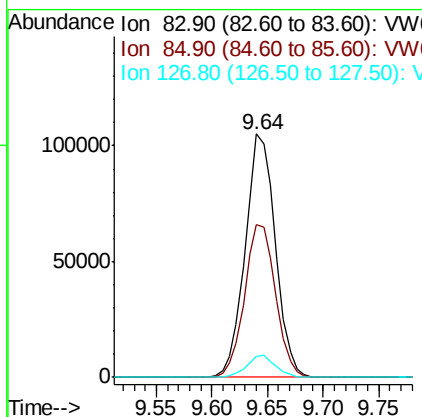
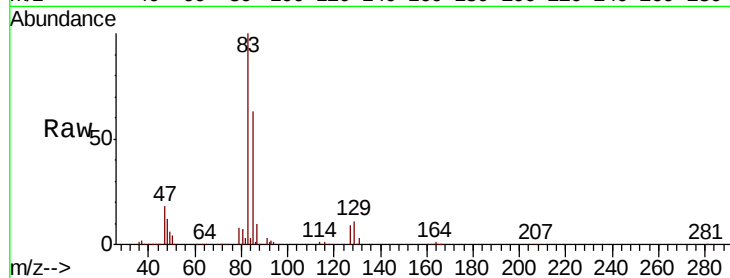
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	198437
Ion Ratio	Lower	Upper	
83	100		
85	62.6	51.9	77.9
127	8.5	7.4	11.2

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#48

Methyl methacrylate

Concen: 47.369 ug/l

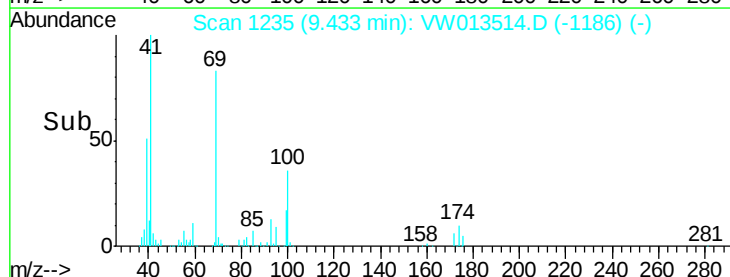
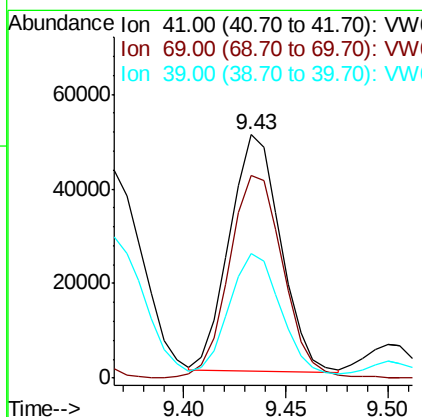
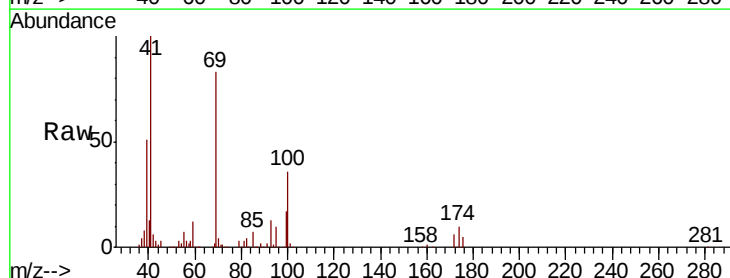
RT: 9.43 min Scan# 1235

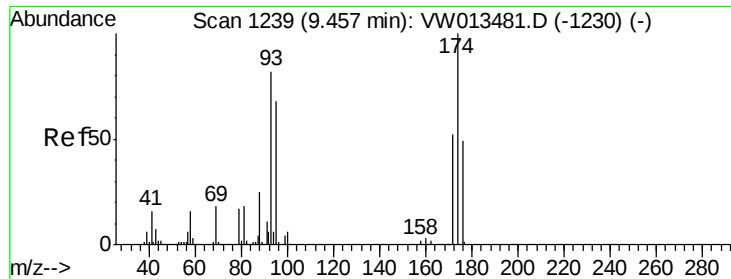
Delta R.T. -0.00 min

Lab File: VW013514.D

Acq: 09 Oct 2019 20:01

Tgt Ion:	41	Resp:	87336
Ion Ratio	Lower	Upper	
41	100		
69	90.1	70.4	105.6
39	50.5	37.3	55.9





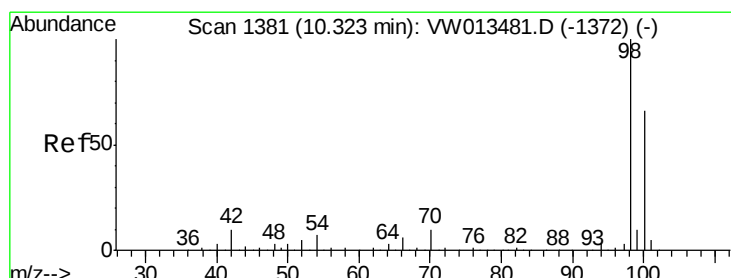
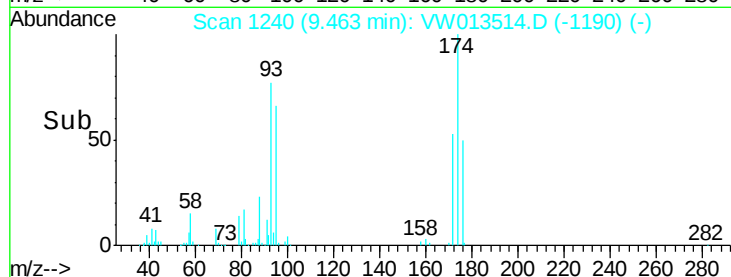
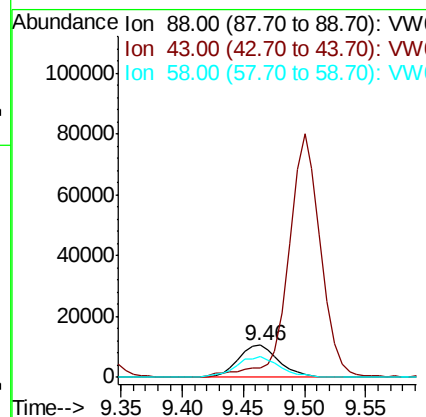
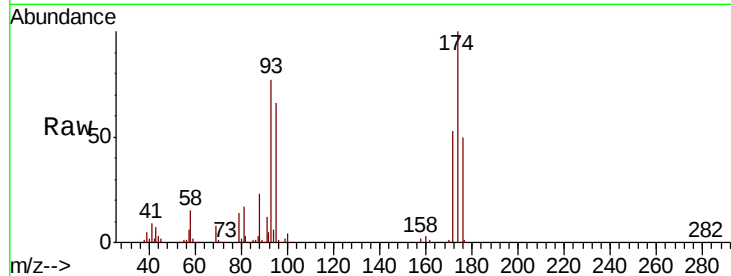
#49
1,4-Dioxane
Concen: 902.422 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. 0.01 min
Lab File: VW013514.D
Acq: 09 Oct 2019 20:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	24151
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	70.3	60.0	90.0

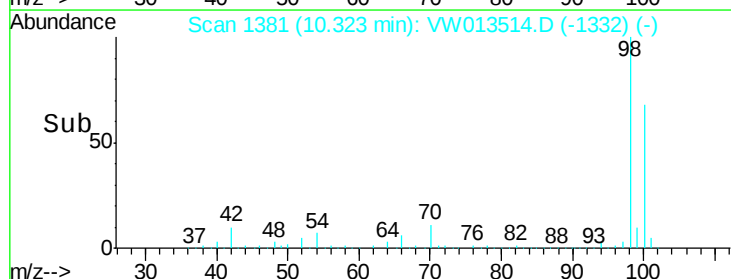
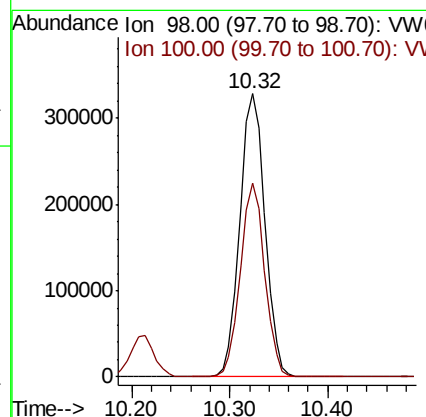
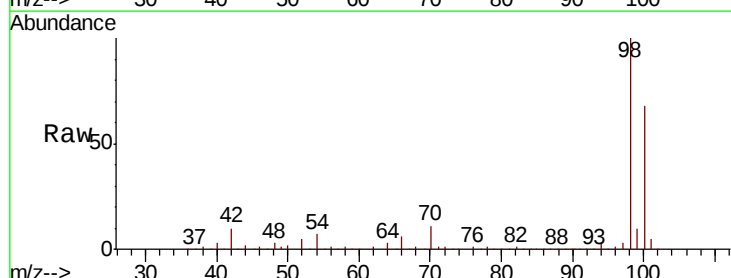
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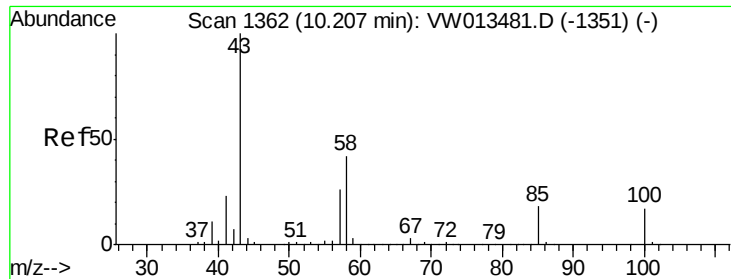
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#50
Toluene-d8
Concen: 49.398 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013514.D
Acq: 09 Oct 2019 20:01

Tgt Ion	98	Resp	585257
Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.2	79.8





#51

4-Methyl-2-Pentanone

Concen: 240.746 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013514.D

Acq: 09 Oct 2019 20:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 473755

Ion Ratio Lower Upper

43 100

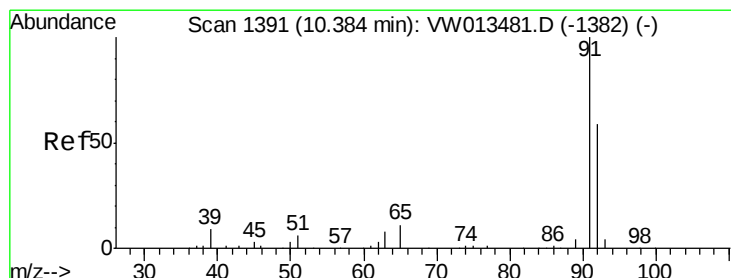
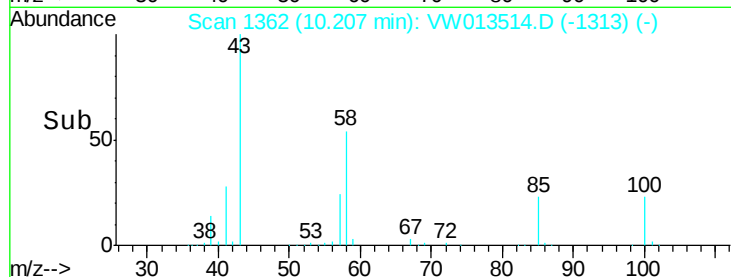
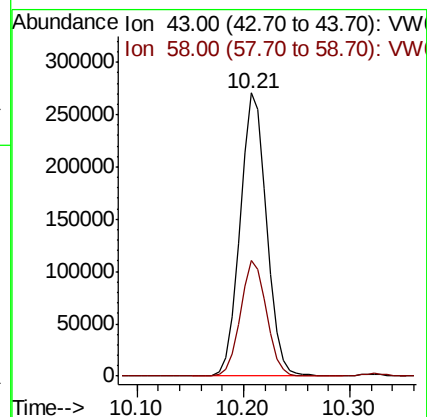
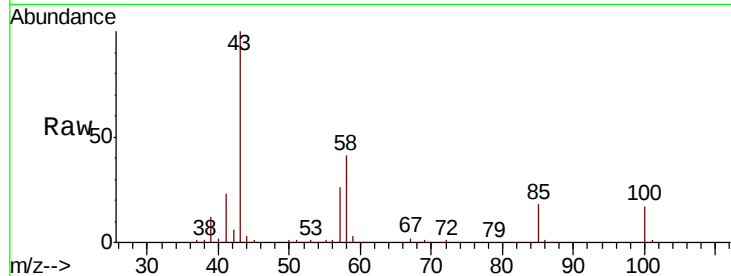
58 40.3 32.8 49.2

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#52

Toluene

Concen: 50.898 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW013514.D

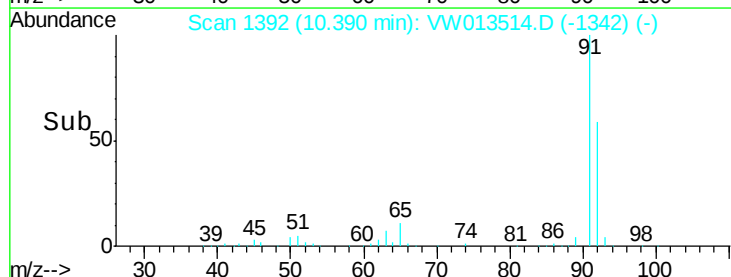
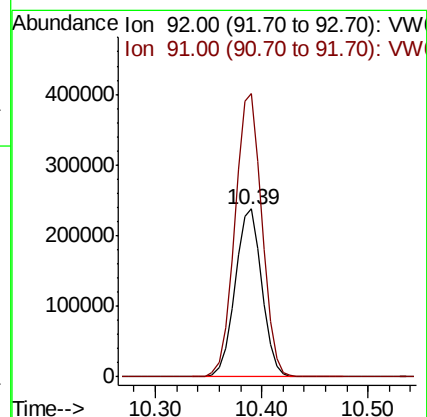
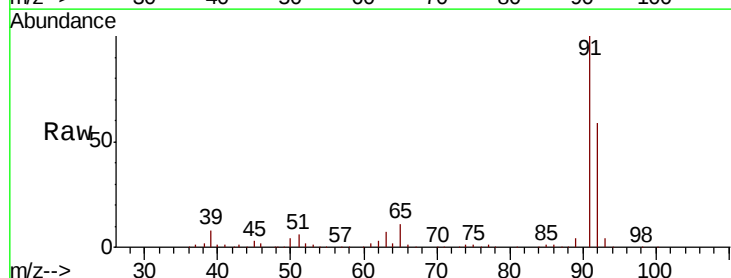
Acq: 09 Oct 2019 20:01

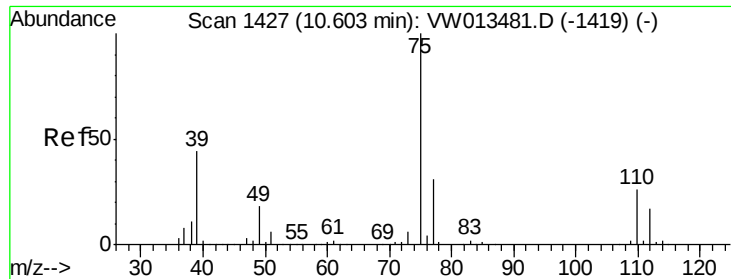
Tgt Ion: 92 Resp: 417909

Ion Ratio Lower Upper

92 100

91 170.7 134.8 202.2





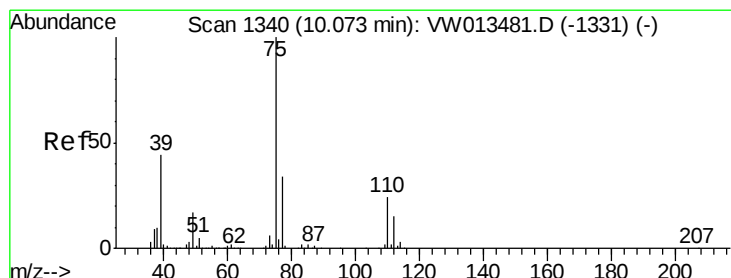
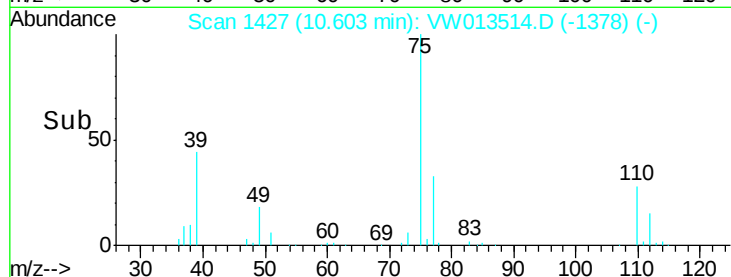
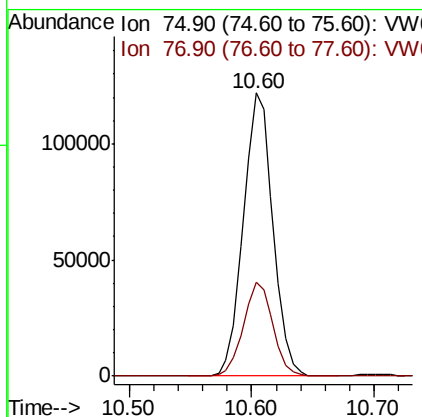
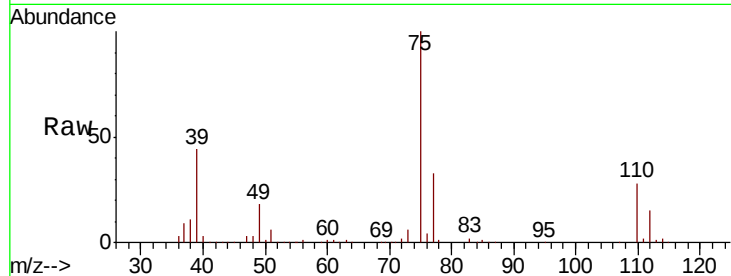
#53
 t-1,3-Dichloropropene
 Concen: 52.016 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW013514.D
 Acq: 09 Oct 2019 20:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 204783
 Ion Ratio Lower Upper
 75 100
 77 33.0 25.2 37.8

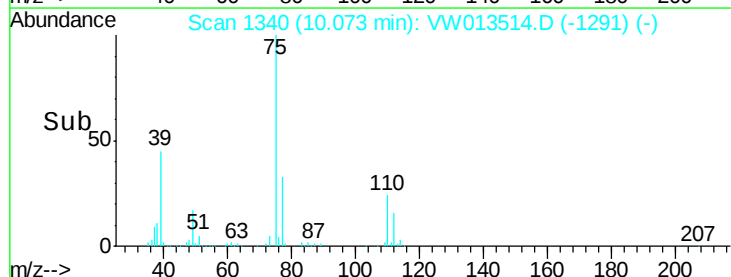
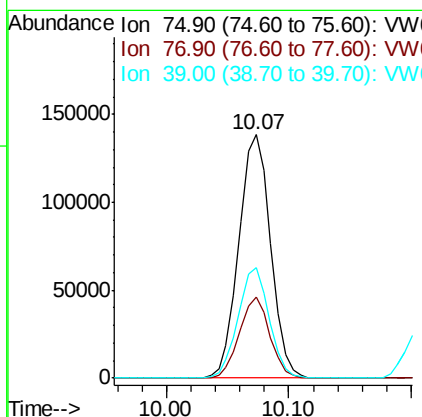
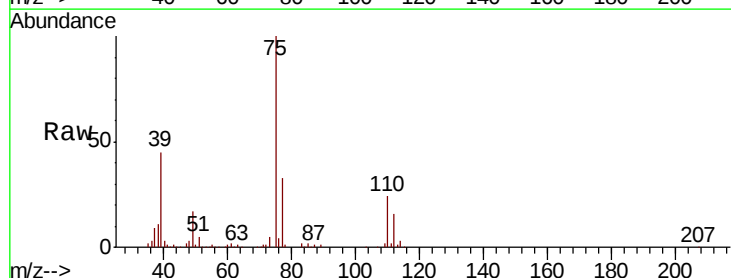
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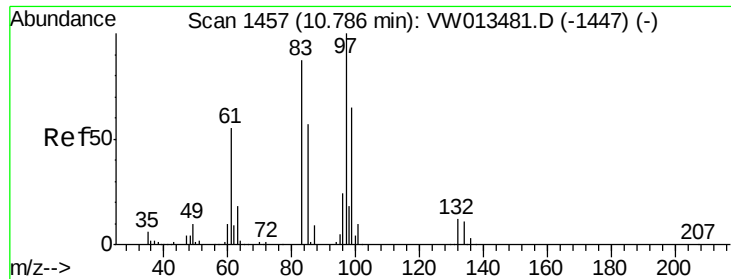
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#54
 cis-1,3-Dichloropropene
 Concen: 52.188 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW013514.D
 Acq: 09 Oct 2019 20:01

Tgt Ion: 75 Resp: 248916
 Ion Ratio Lower Upper
 75 100
 77 33.2 27.0 40.4
 39 45.3 35.0 52.4





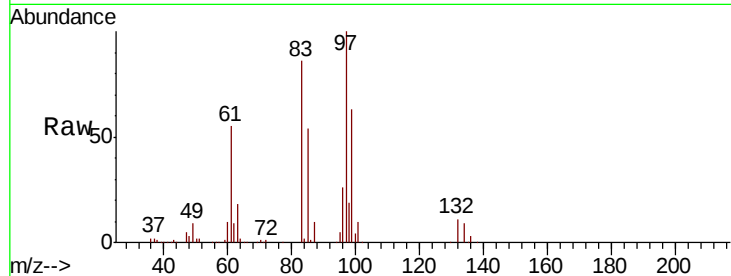
#55
 1,1,2-Trichloroethane
 Concen: 51.196 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013514.D
 Acq: 09 Oct 2019 20:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

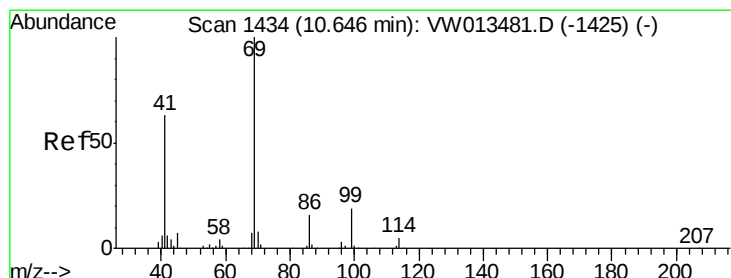
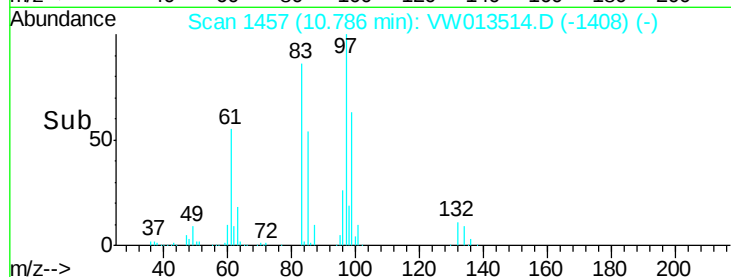
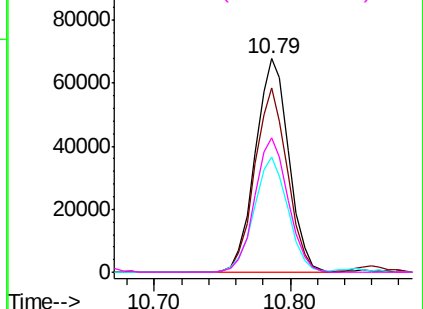
Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		117123		
83	86.4	69.8	104.8		
85	53.9	45.4	68.0		
99	62.8	51.9	77.9		

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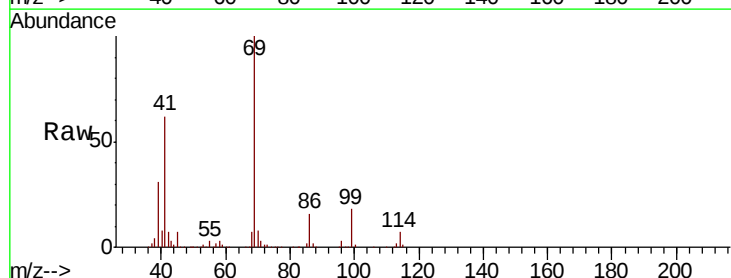


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

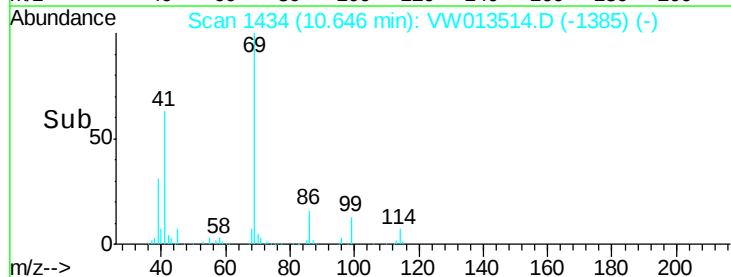
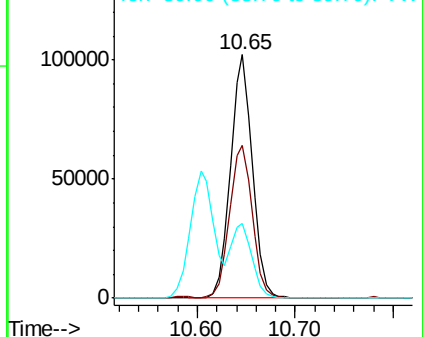


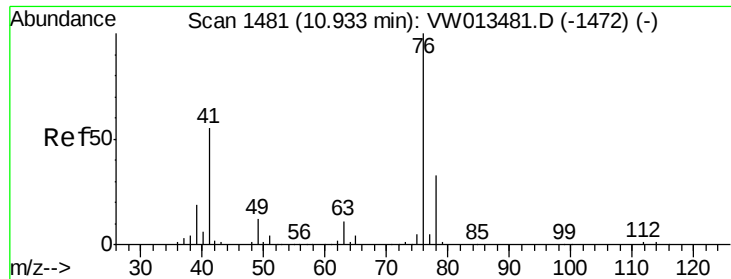
#56
 Ethyl methacrylate
 Concen: 51.345 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW013514.D
 Acq: 09 Oct 2019 20:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		158206		
41	64.9	51.8	77.6		
39	28.8	21.7	32.5		



Abundance Ion 69.00 (68.70 to 69.70): VW
 Ion 41.00 (40.70 to 41.70): VW
 Ion 39.00 (38.70 to 39.70): VW





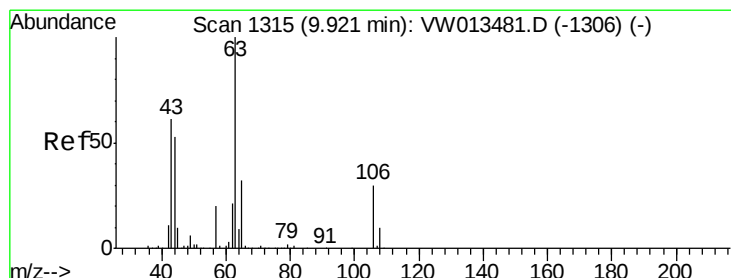
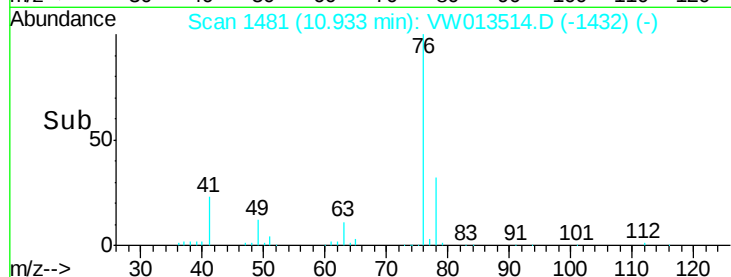
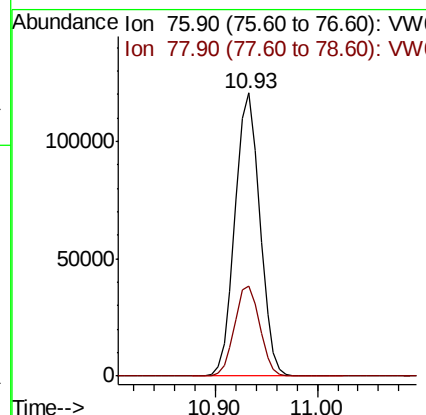
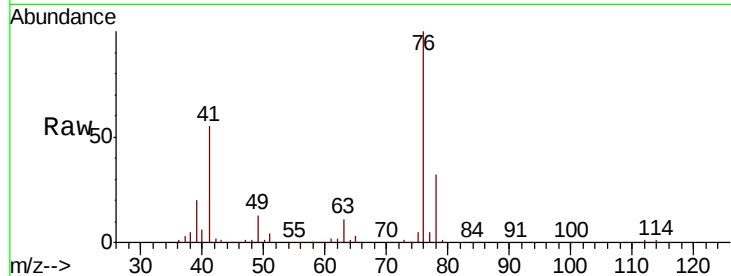
#57
 1,3-Dichloropropane
 Concen: 51.721 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013514.D
 Acq: 09 Oct 2019 20:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.9	38.9

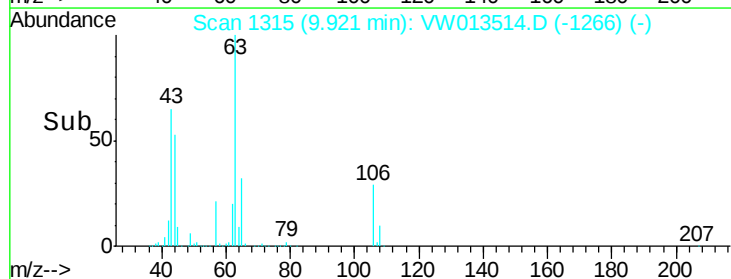
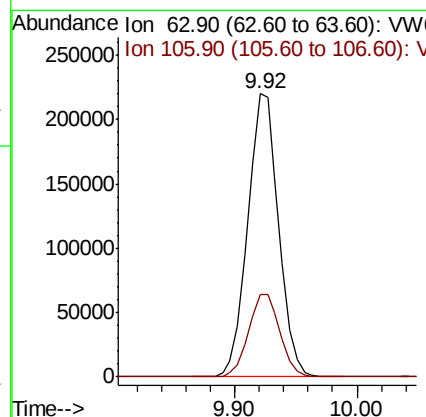
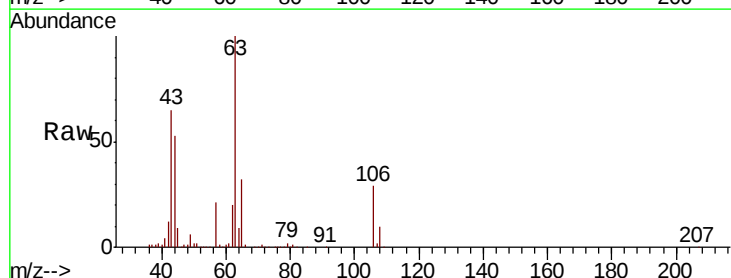
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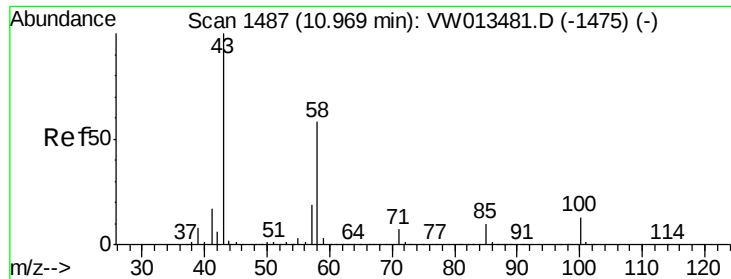
MMDadoda
 10/11/2019 4:40:07 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 264.500 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013514.D
 Acq: 09 Oct 2019 20:01

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.7	24.5	36.7





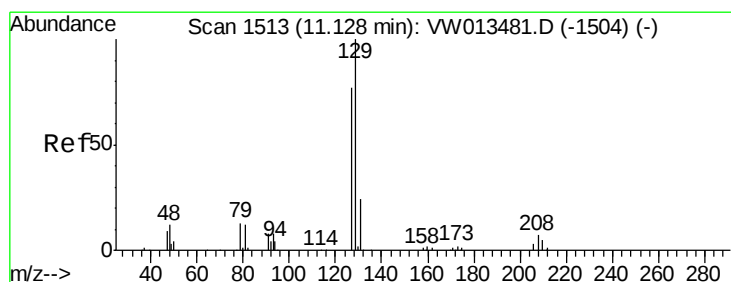
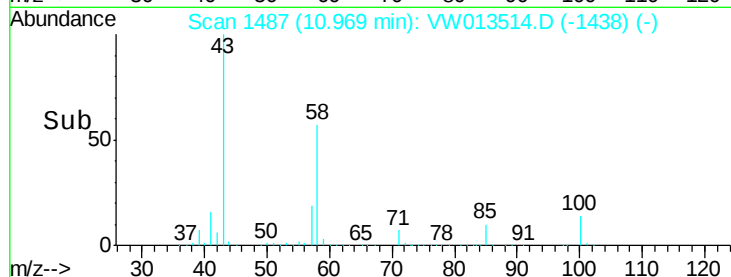
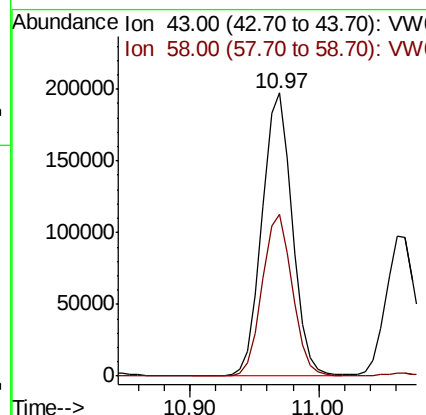
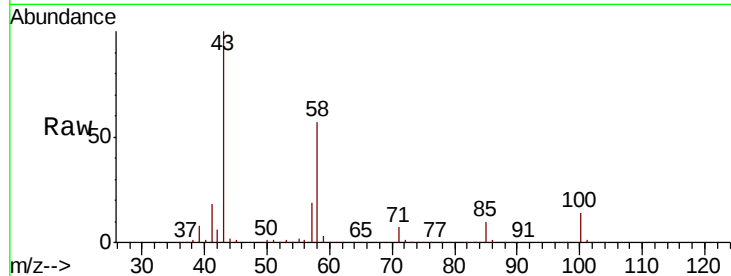
#59
2-Hexanone
Concen: 237.094 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013514.D
Acq: 09 Oct 2019 20:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 319936
Ion Ratio Lower Upper
43 100
58 57.0 28.4 85.2

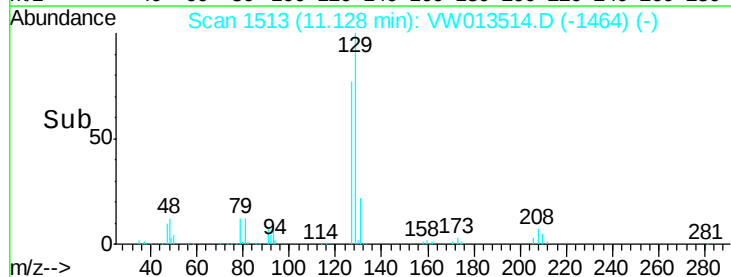
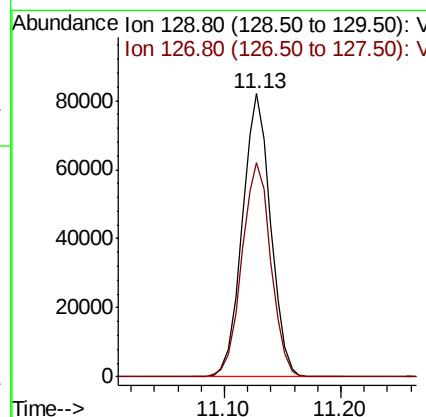
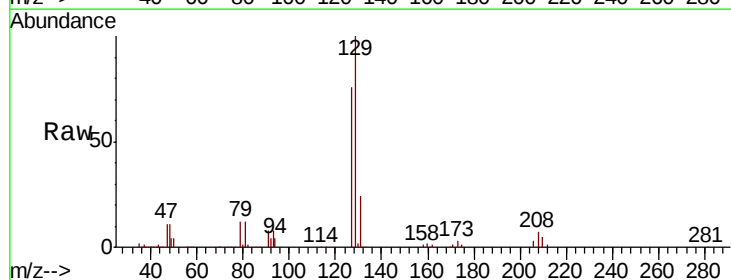
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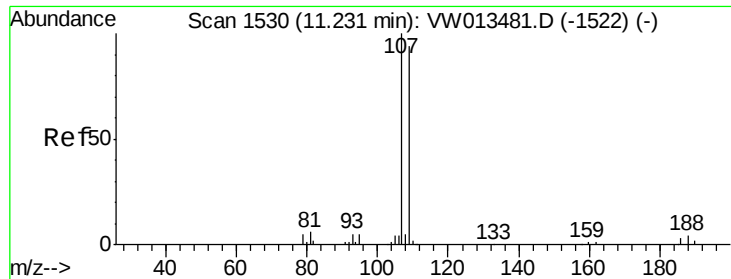
MMDadoda
10/11/2019 4:40:07 PM



#60
Dibromochloromethane
Concen: 52.715 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013514.D
Acq: 09 Oct 2019 20:01

Tgt Ion: 129 Resp: 138688
Ion Ratio Lower Upper
129 100
127 77.9 37.4 112.1





#61

1,2-Dibromoethane

Concen: 51.839 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW013514.D

Acq: 09 Oct 2019 20:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 112802

Ion Ratio Lower Upper

107 100

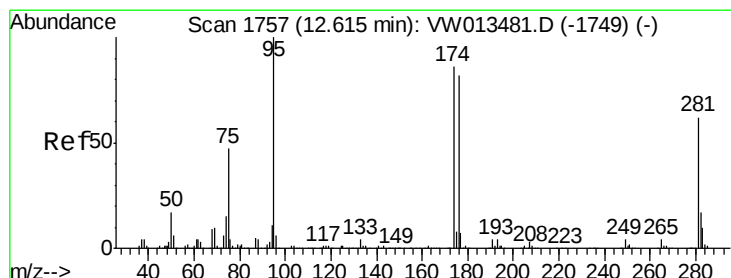
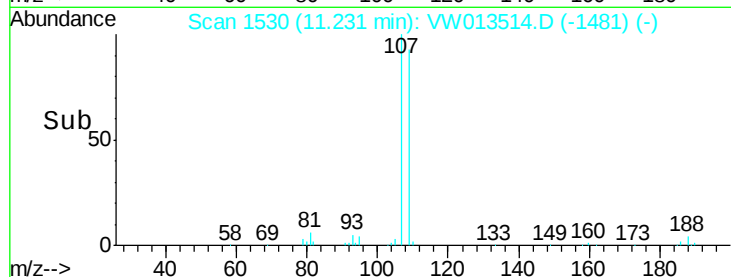
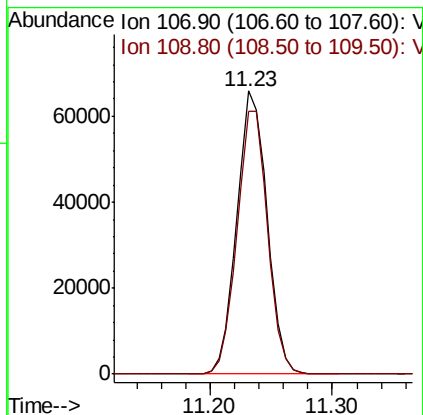
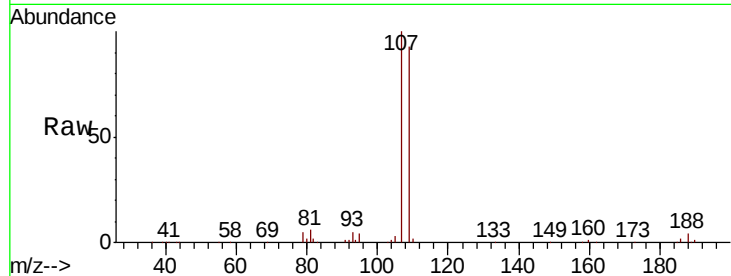
109 93.9 76.6 115.0

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 49.824 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013514.D

Acq: 09 Oct 2019 20:01

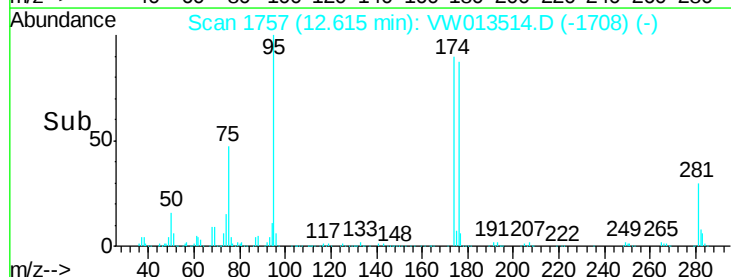
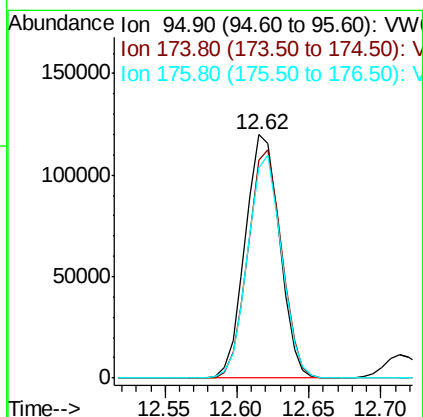
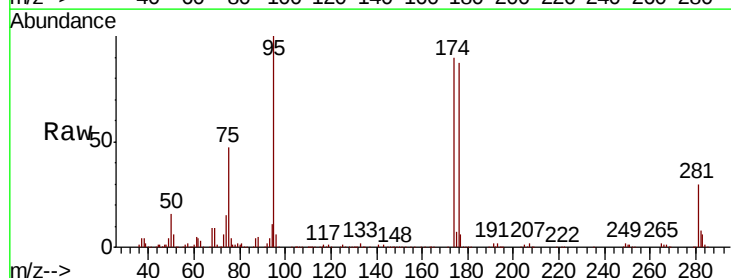
Tgt Ion: 95 Resp: 198305

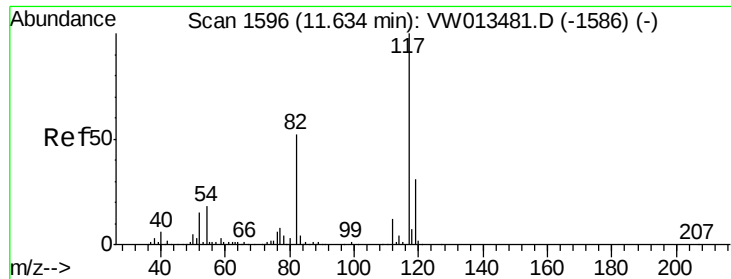
Ion Ratio Lower Upper

95 100

174 91.6 0.0 177.4

176 89.6 0.0 173.4





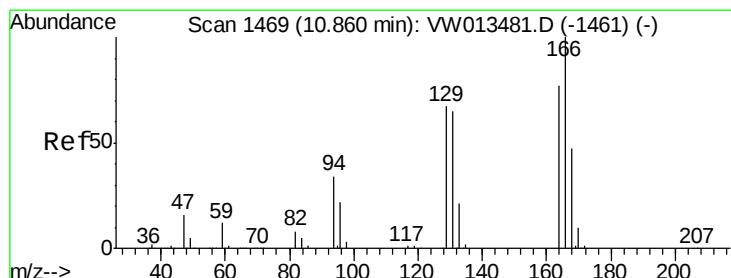
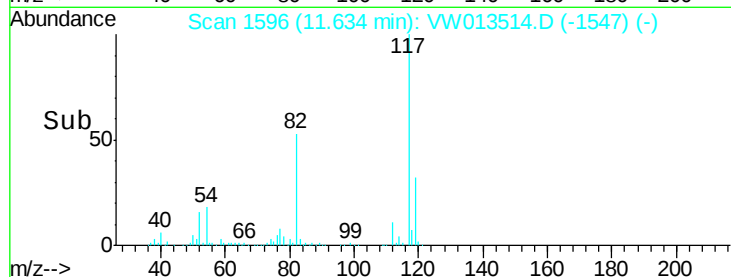
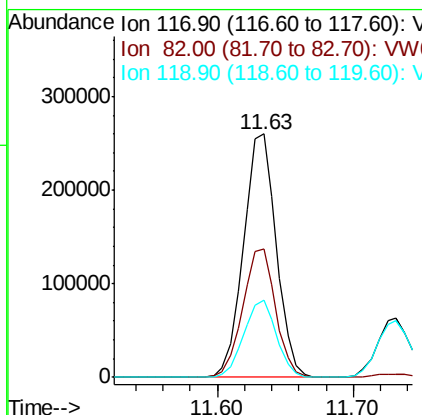
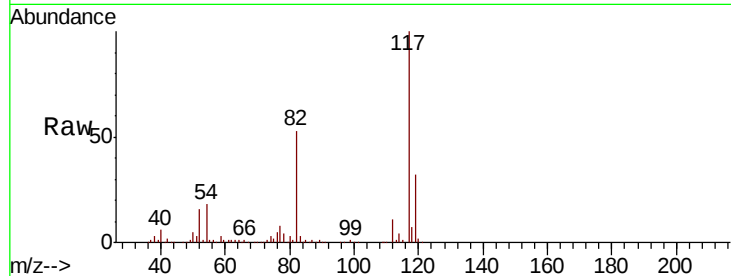
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW013514.D
Acq: 09 Oct 2019 20:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.6	41.4	62.2
119	31.8	25.1	37.7

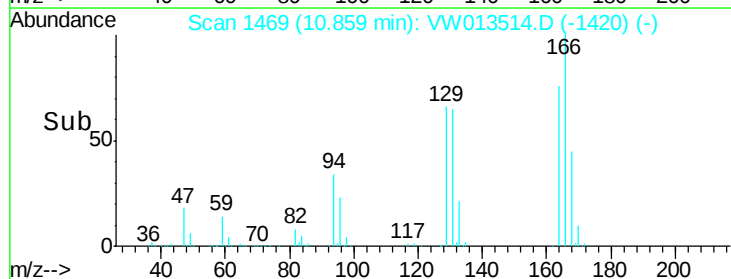
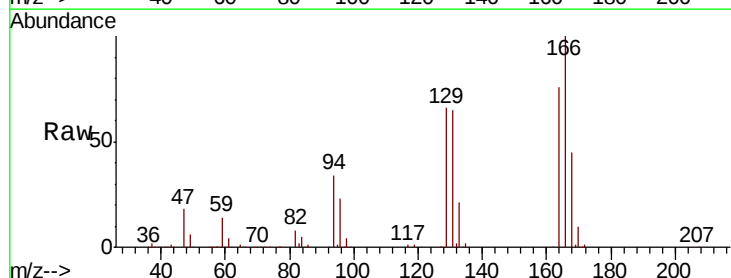
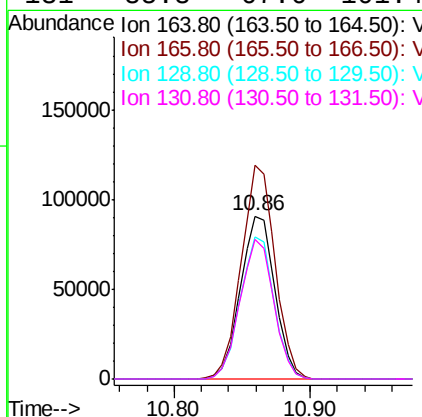
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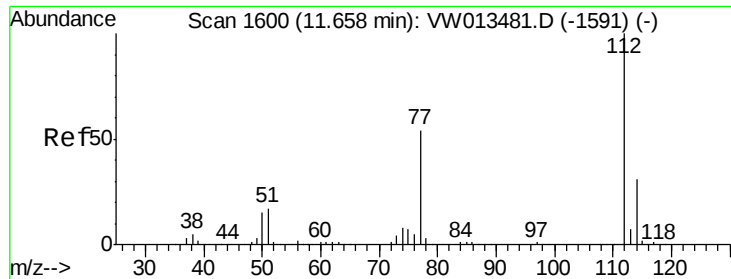
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10/11/2019 4:40:07 PM



#64
Tetrachloroethene
Concen: 49.753 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013514.D
Acq: 09 Oct 2019 20:01

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.2	104.6	156.8
129	87.0	70.2	105.2
131	85.8	67.6	101.4





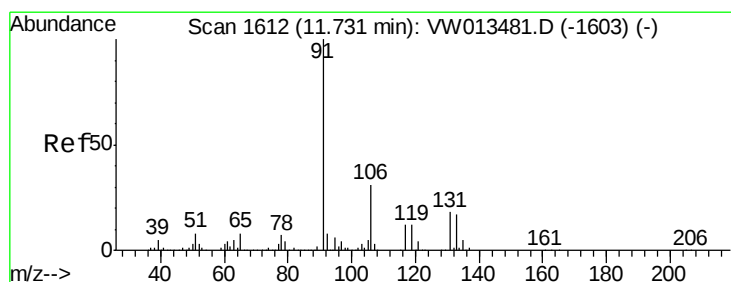
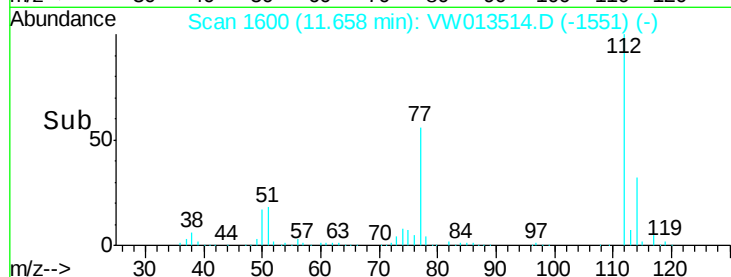
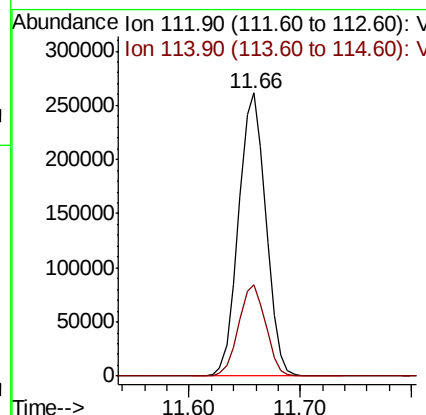
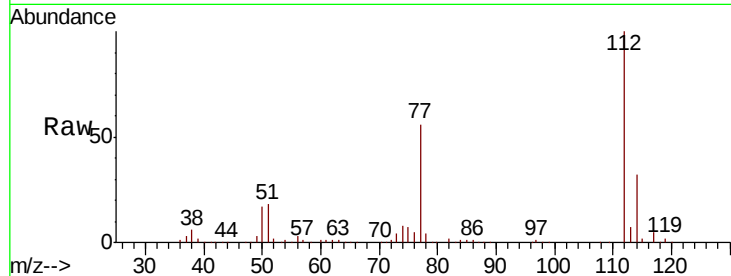
#65
Chlorobenzene
Concen: 50.976 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013514.D
Acq: 09 Oct 2019 20:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 442750
Ion Ratio Lower Upper
112 100
114 32.4 24.6 37.0

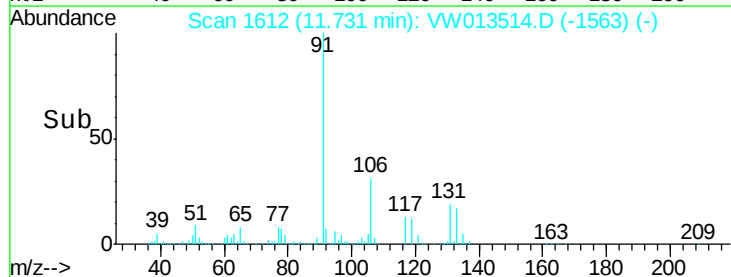
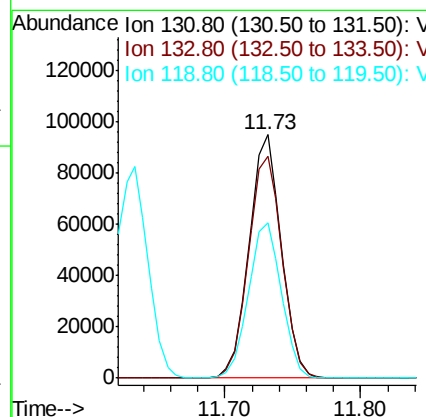
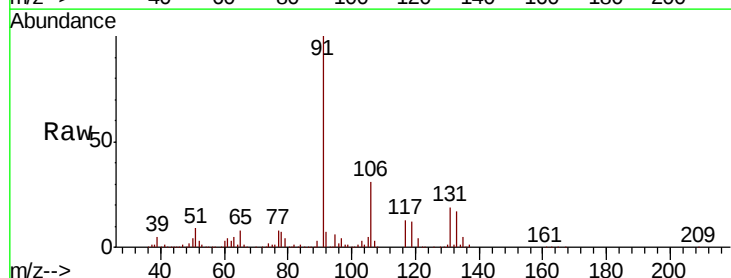
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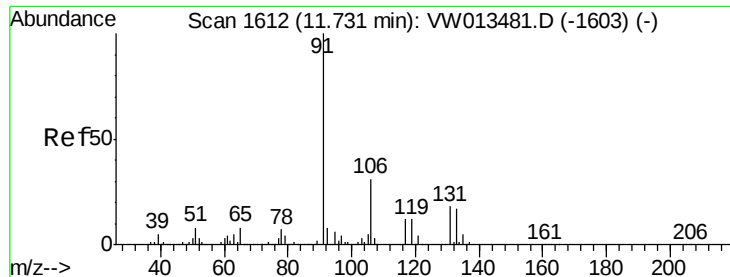
MMDadoda
10/11/2019 4:40:07 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.253 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013514.D
Acq: 09 Oct 2019 20:01

Tgt Ion:131 Resp: 157651
Ion Ratio Lower Upper
131 100
133 95.1 47.6 142.9
119 65.4 32.6 98.0





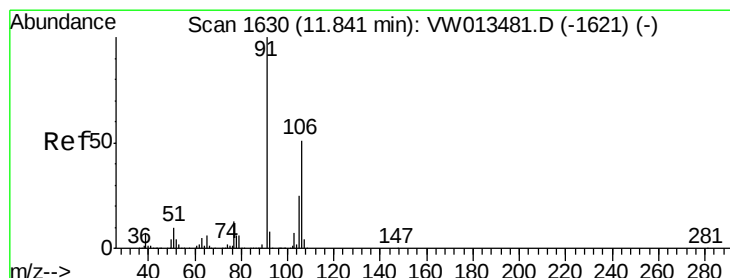
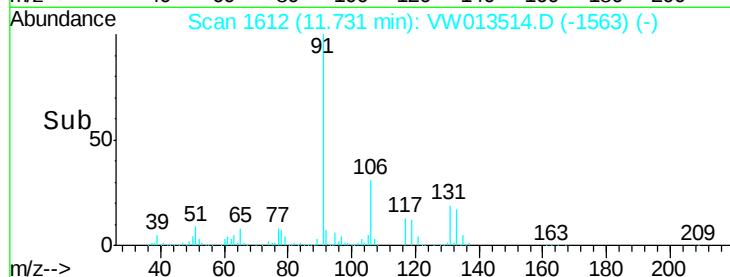
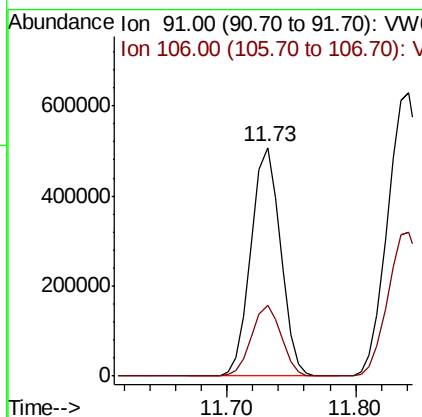
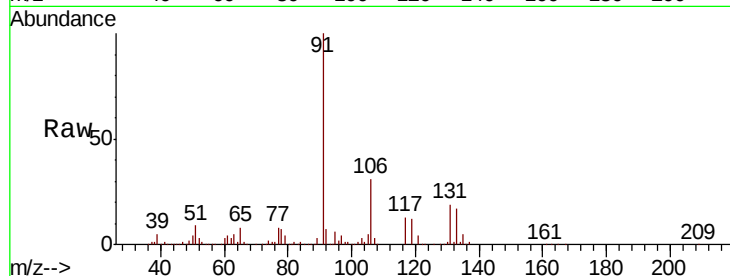
#67
Ethyl Benzene
Concen: 50.710 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013514.D
Acq: 09 Oct 2019 20:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 805019
Ion Ratio Lower Upper
91 100
106 31.1 24.8 37.2

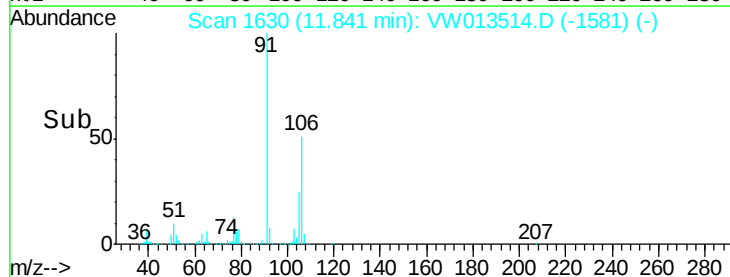
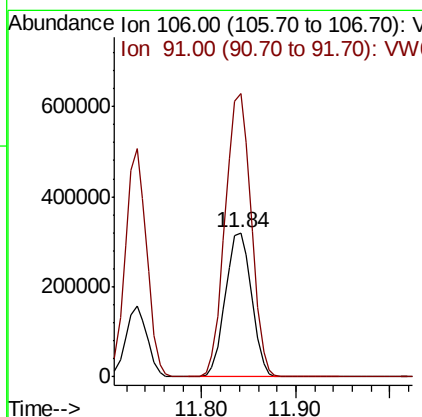
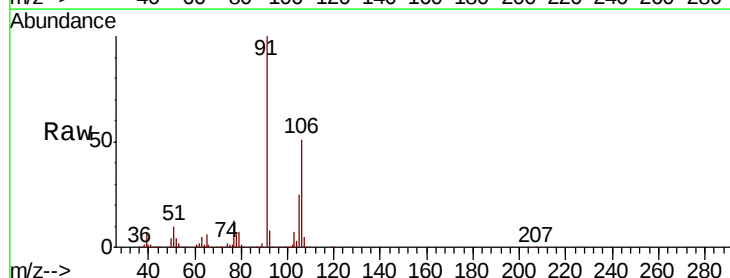
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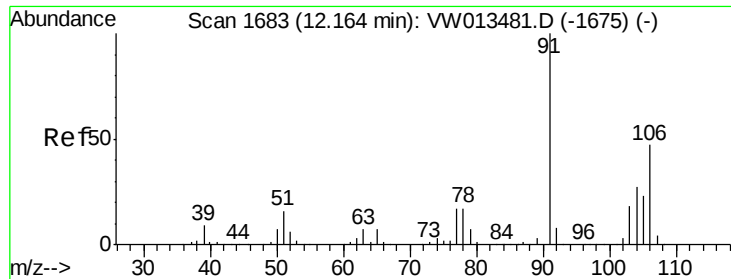
MMDadoda
10/11/2019 4:40:07 PM



#68
m/p-Xylenes
Concen: 101.988 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW013514.D
Acq: 09 Oct 2019 20:01

Tgt Ion: 106 Resp: 616022
Ion Ratio Lower Upper
106 100
91 195.8 156.2 234.4





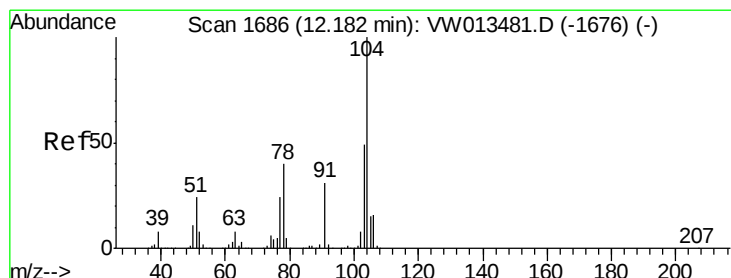
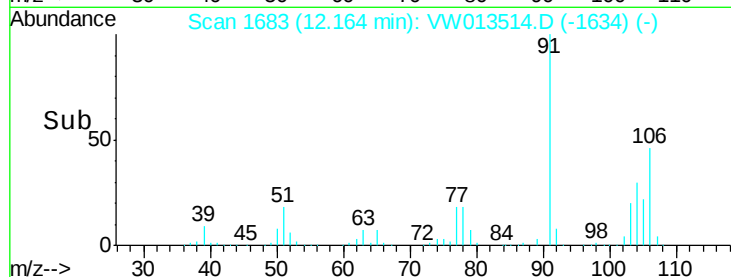
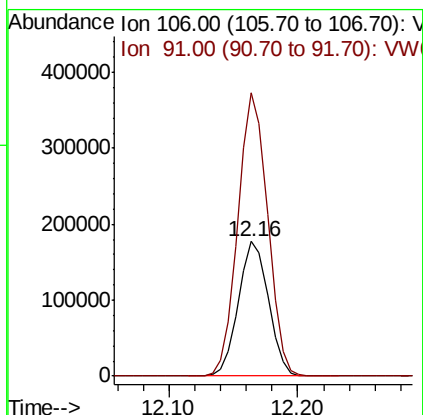
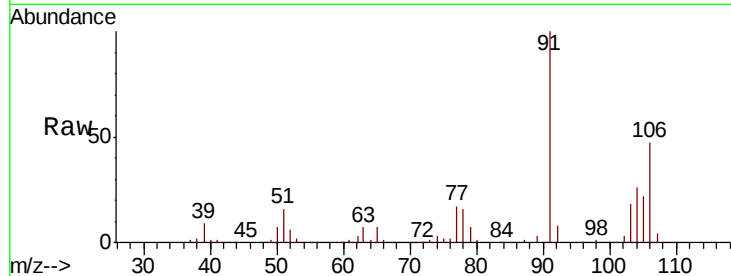
#69
o-Xylene
Concen: 51.395 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013514.D
Acq: 09 Oct 2019 20:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 286810
Ion Ratio Lower Upper
106 100
91 208.6 105.0 315.0

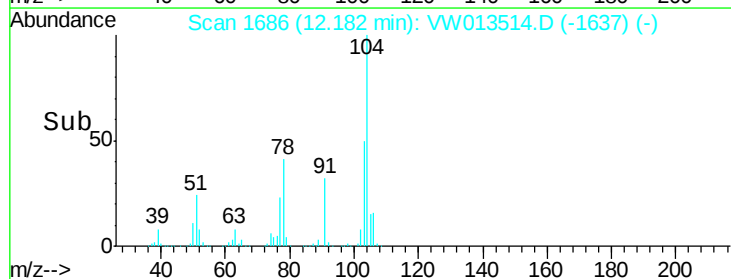
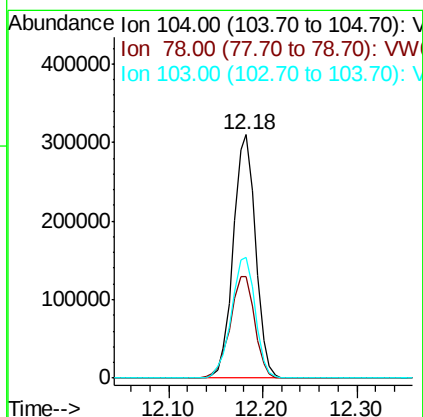
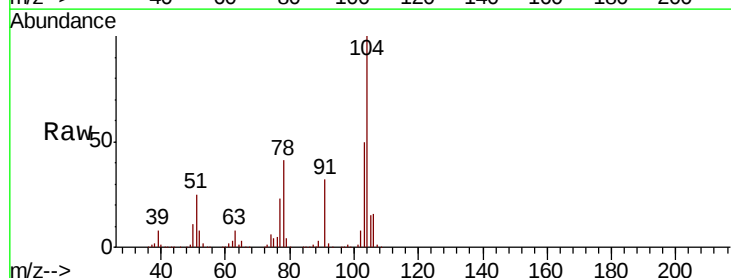
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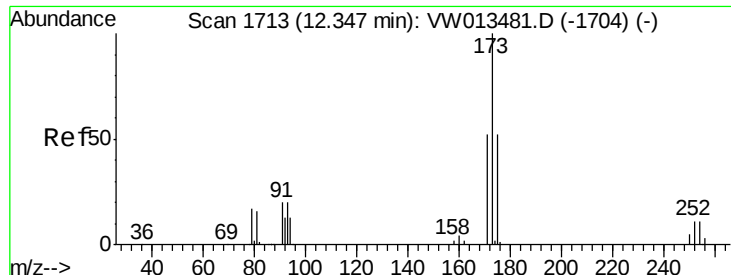
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#70
Styrene
Concen: 53.089 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW013514.D
Acq: 09 Oct 2019 20:01

Tgt Ion:104 Resp: 508692
Ion Ratio Lower Upper
104 100
78 46.0 37.1 55.7
103 53.4 43.2 64.8





#71

Bromoform

Concen: 51.253 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013514.D

Acq: 09 Oct 2019 20:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 84840

Ion Ratio Lower Upper

173 100

175 48.0 24.4 73.4

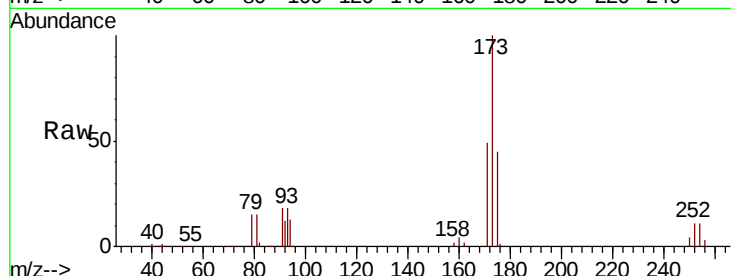
254 0.2 0.1 0.1#

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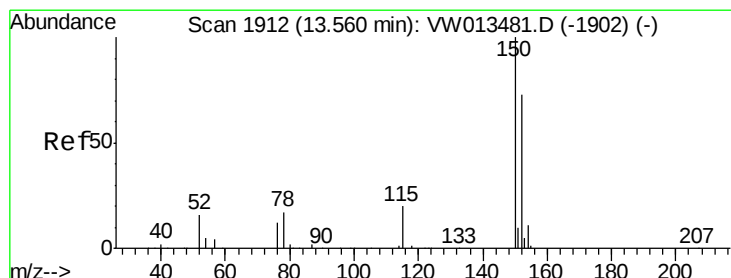
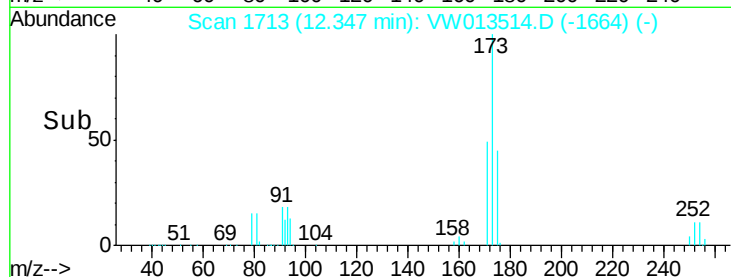
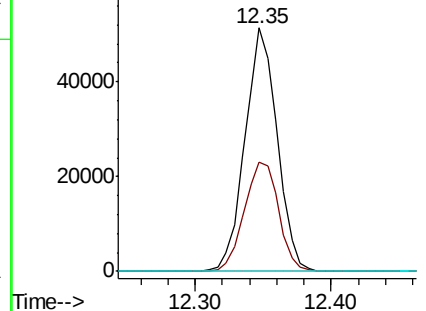
10/11/2019 4:40:07 PM



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: VW013514.D

Acq: 09 Oct 2019 20:01

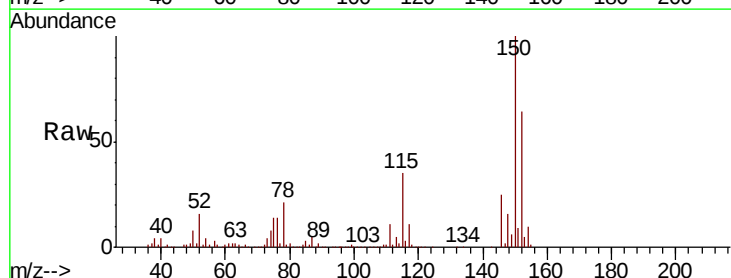
Tgt Ion:152 Resp: 220595

Ion Ratio Lower Upper

152 100

115 54.8 27.0 81.0

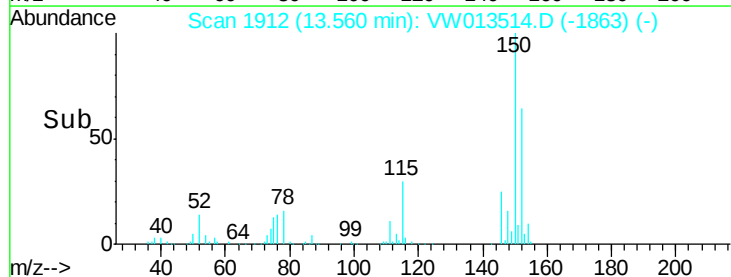
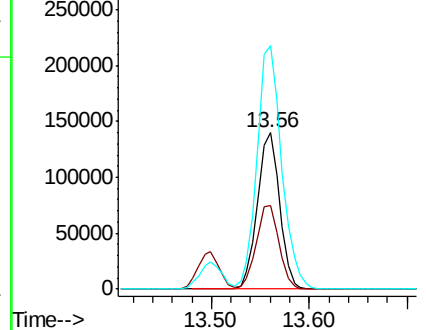
150 173.1 0.0 337.4

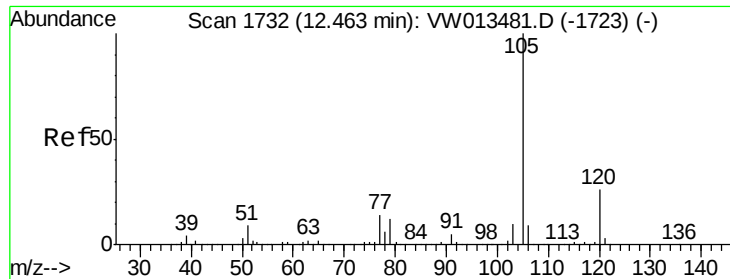


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.656 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013514.D

Acq: 09 Oct 2019 20:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 784625

Ion Ratio Lower Upper

105 100

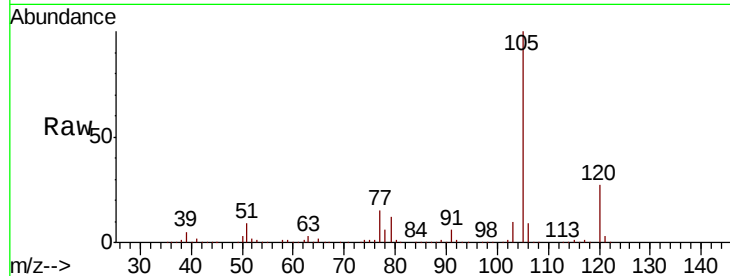
120 27.2 13.5 40.5

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

500000

400000

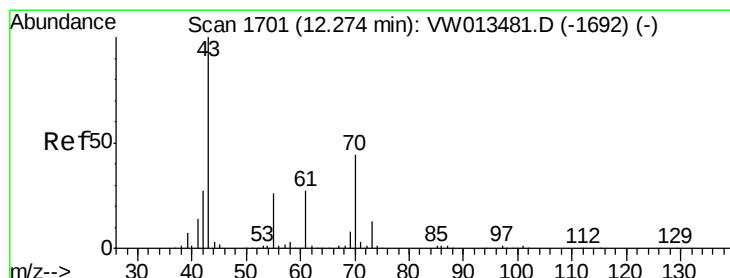
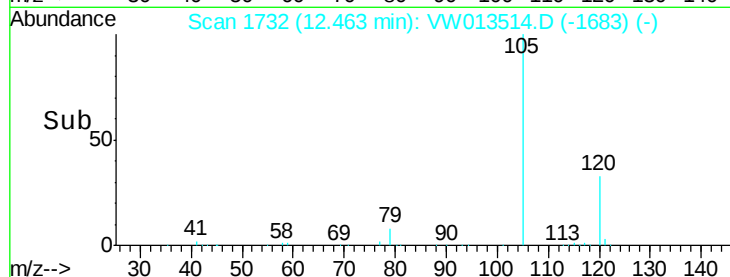
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 49.867 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW013514.D

Acq: 09 Oct 2019 20:01

Tgt Ion: 43 Resp: 172334

Ion Ratio Lower Upper

43 100

70 44.5 35.3 52.9

55 24.6 20.0 30.0

61 25.3 21.2 31.8

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

12.27

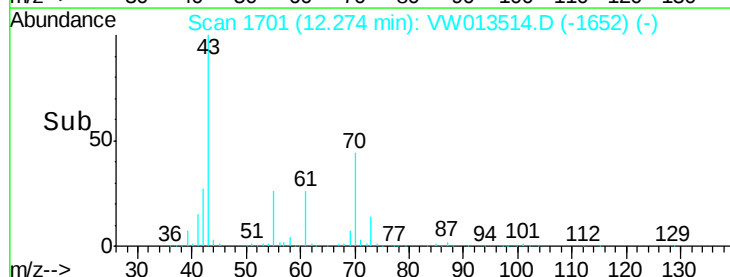
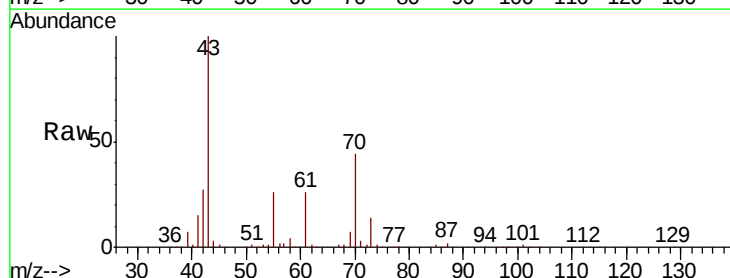
150000

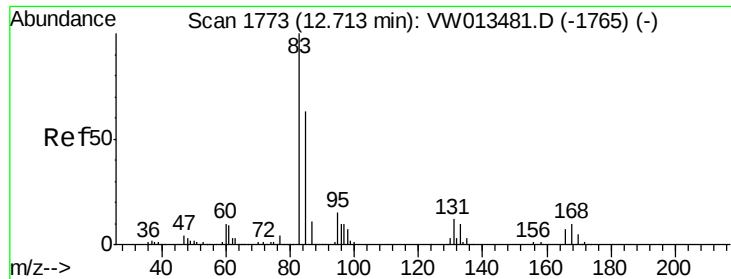
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 48.596 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013514.D

Acq: 09 Oct 2019 20:01

Instrument :

MSVOA_W

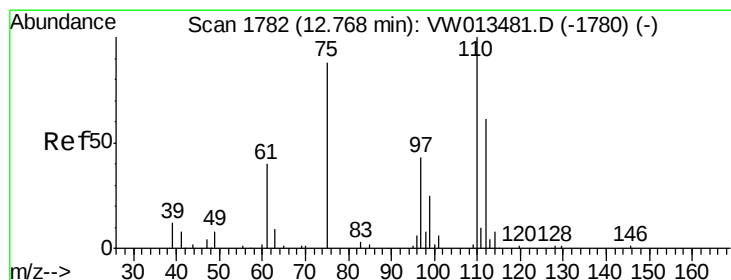
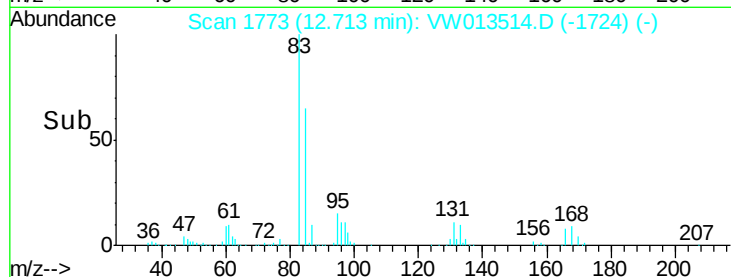
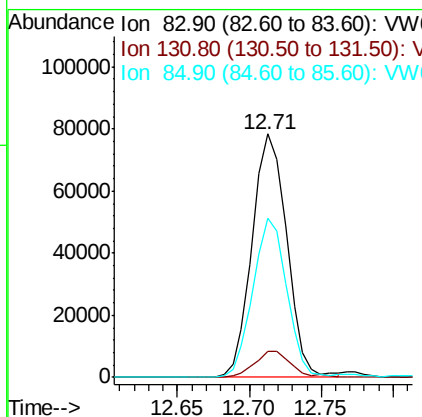
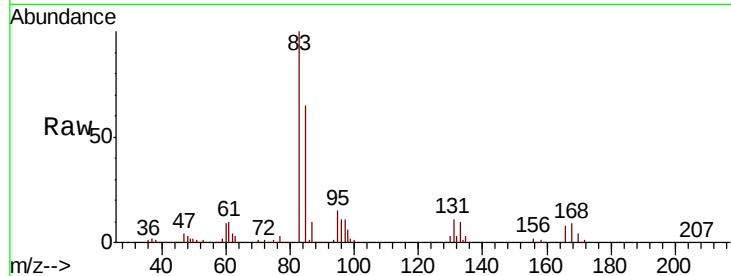
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	130884
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.9	17.7
85	63.6	32.5	97.4

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#76

1,2,3-Trichloropropane

Concen: 46.661 ug/l m

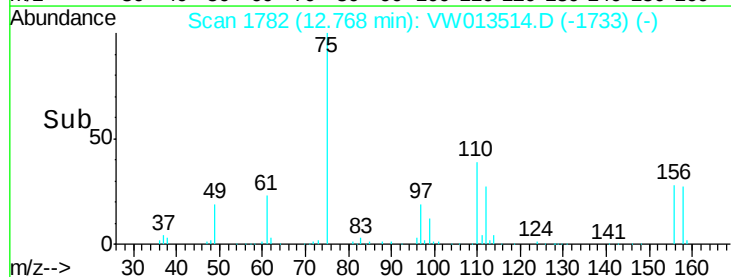
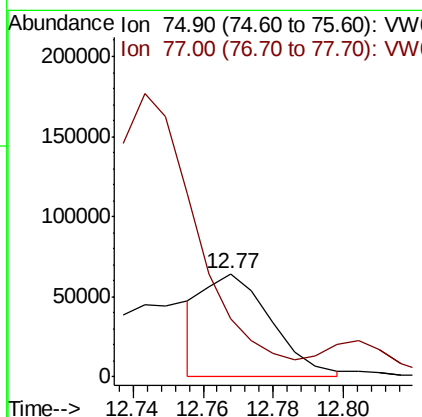
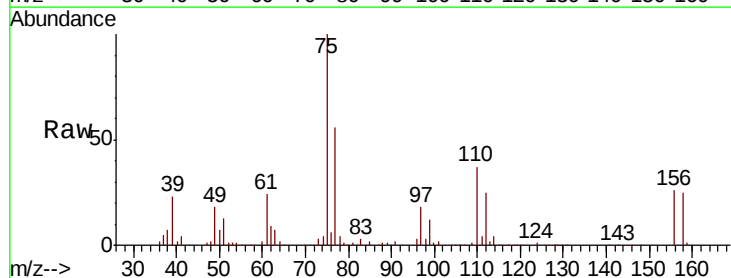
RT: 12.77 min Scan# 1782

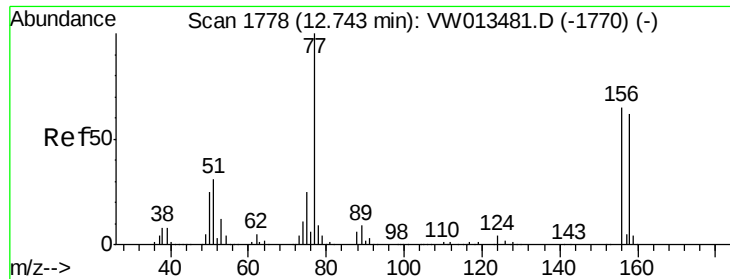
Delta R.T. -0.00 min

Lab File: VW013514.D

Acq: 09 Oct 2019 20:01

Tgt Ion:	75	Resp:	85728
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.327 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013514.D

Acq: 09 Oct 2019 20:01

Instrument :

MSVOA_W

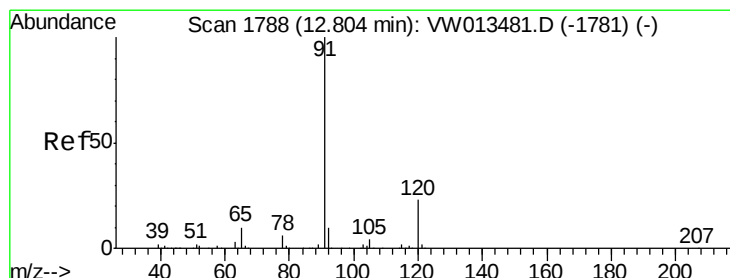
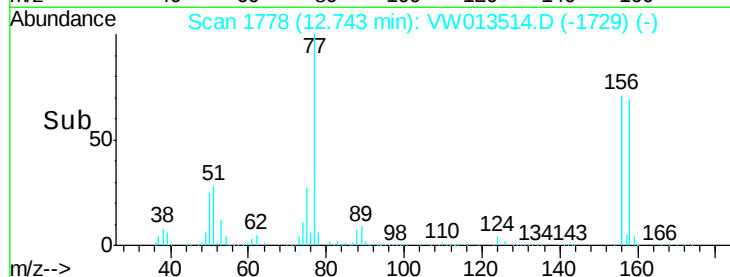
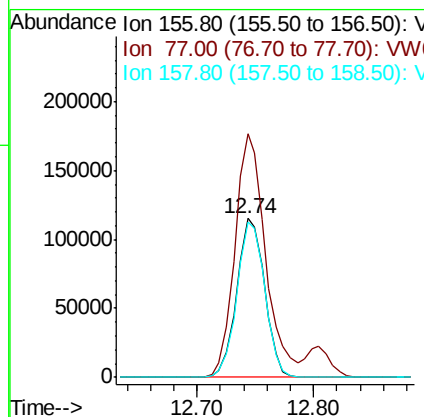
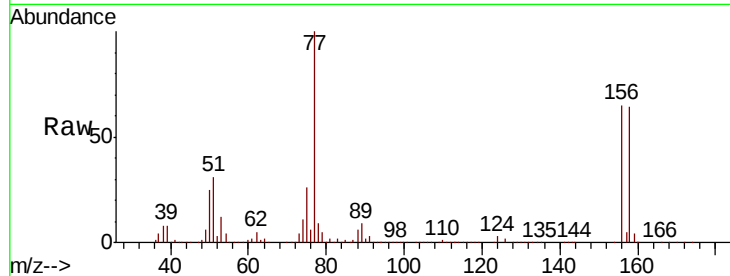
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	192241
Ion Ratio	Lower	Upper	
156	100		
77	167.8	83.7	251.0
158	97.6	49.0	147.0

Manual Integrations
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#78

n-propylbenzene

Concen: 50.228 ug/l

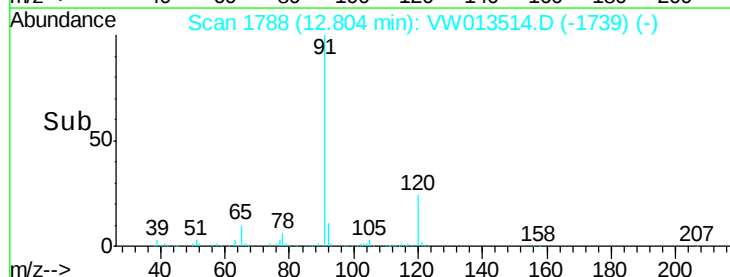
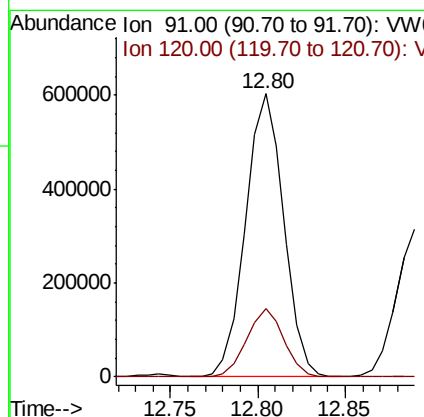
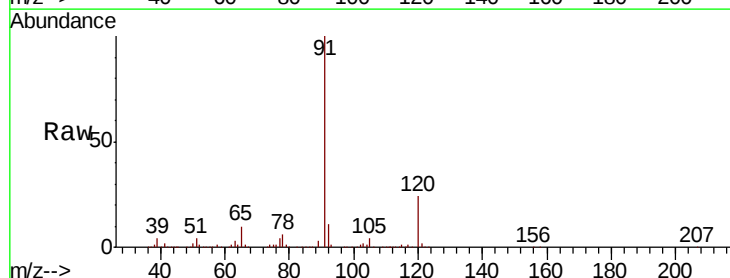
RT: 12.80 min Scan# 1788

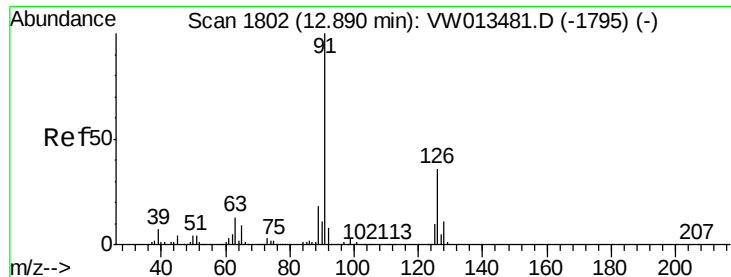
Delta R.T. -0.00 min

Lab File: VW013514.D

Acq: 09 Oct 2019 20:01

Tgt Ion:	91	Resp:	917772
Ion Ratio	Lower	Upper	
91	100		
120	23.7	11.7	35.1





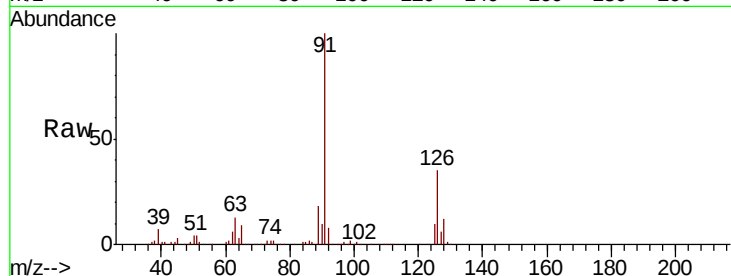
#79
 2-Chlorotoluene
 Concen: 50.179 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW013514.D
 Acq: 09 Oct 2019 20:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

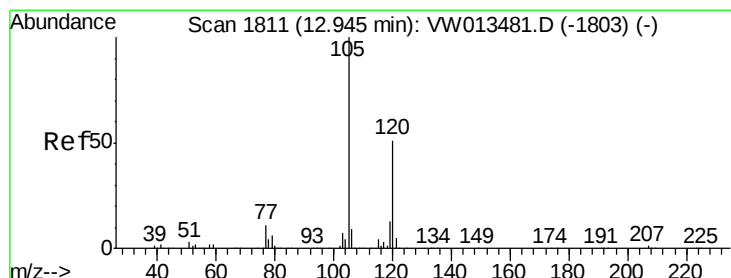
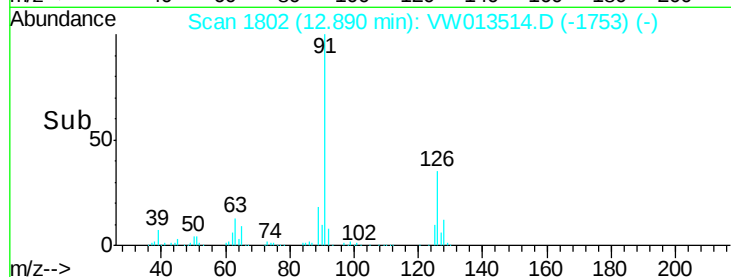
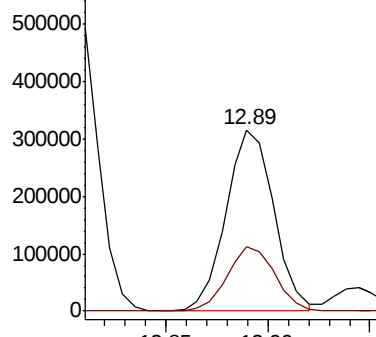
Tot Ion: 91 Resp: 513678
 Ion Ratio Lower Upper
 91 100
 126 35.4 17.8 53.4

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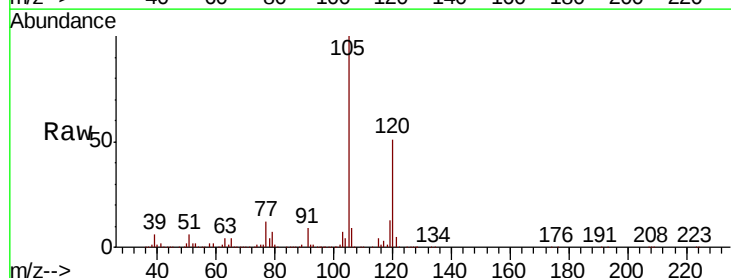


Abundance Ion 91.00 (90.70 to 91.70): VW
 Ion 125.90 (125.60 to 126.60): V

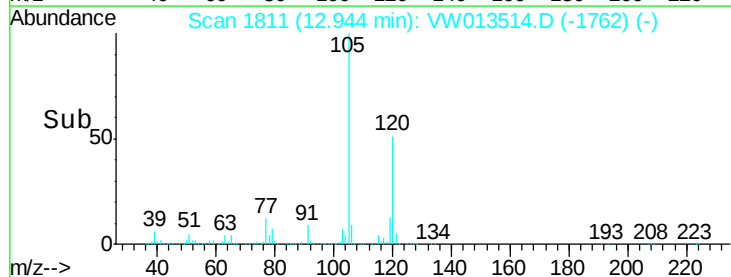
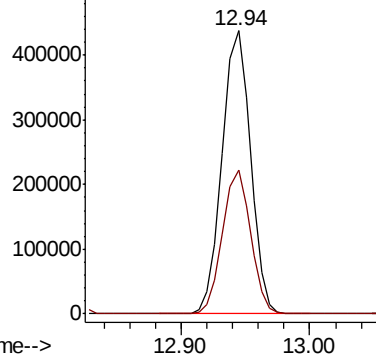


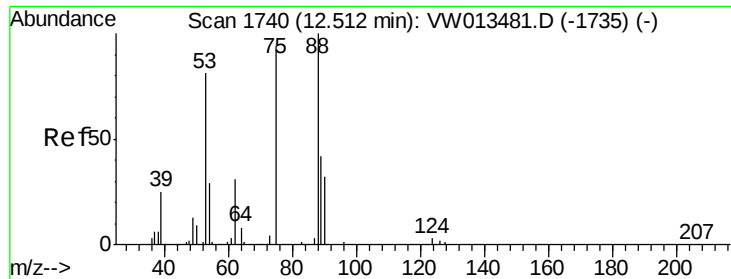
#80
 1,3,5-Trimethylbenzene
 Concen: 50.675 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW013514.D
 Acq: 09 Oct 2019 20:01

Tgt Ion: 105 Resp: 665323
 Ion Ratio Lower Upper
 105 100
 120 50.5 25.4 76.0



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: 48.657 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW013514.D

Acq: 09 Oct 2019 20:01

Instrument :

MSVOA_W

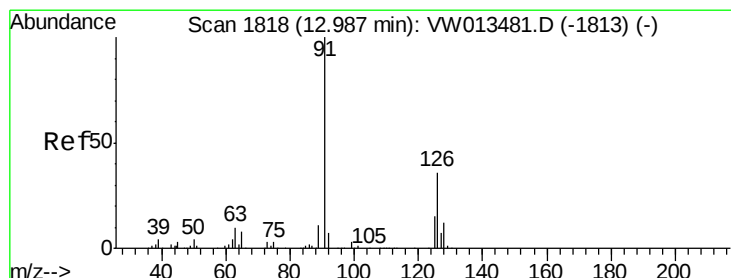
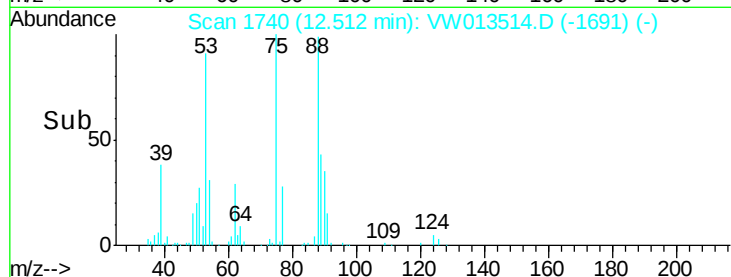
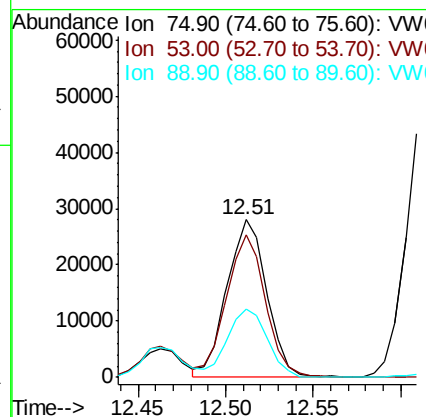
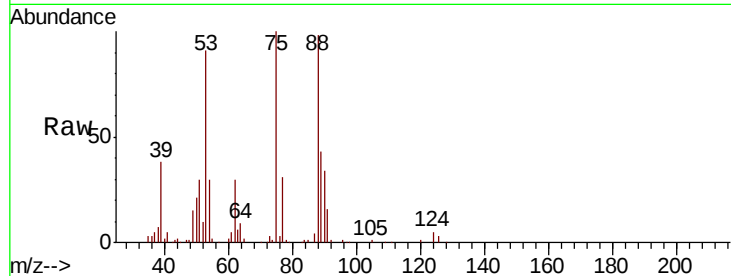
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	43732
Ion Ratio	Lower	Upper	
75	100		
53	90.5	71.0	106.6
89	44.0	36.1	54.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 50.926 ug/l

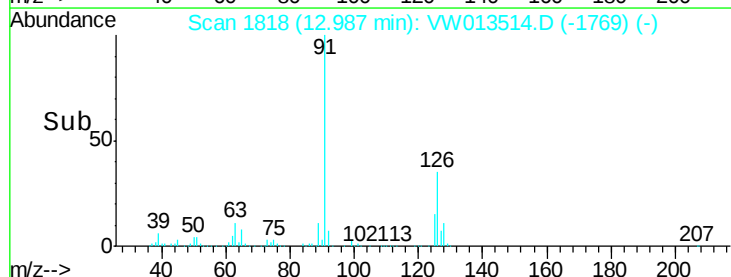
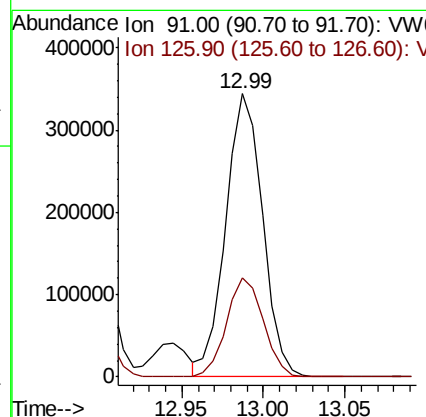
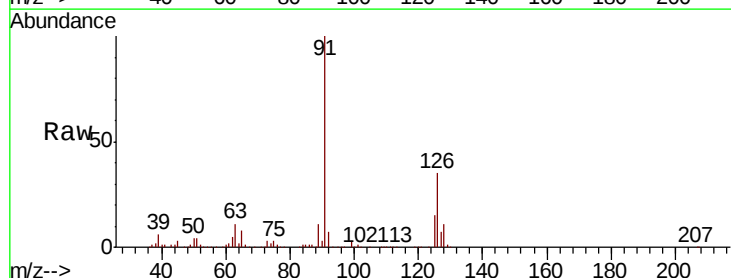
RT: 12.99 min Scan# 1818

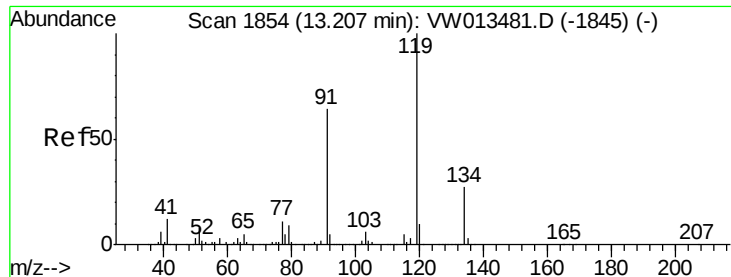
Delta R.T. -0.00 min

Lab File: VW013514.D

Acq: 09 Oct 2019 20:01

Tgt Ion:	91	Resp:	541099
Ion Ratio	Lower	Upper	
91	100		
126	35.1	17.5	52.6





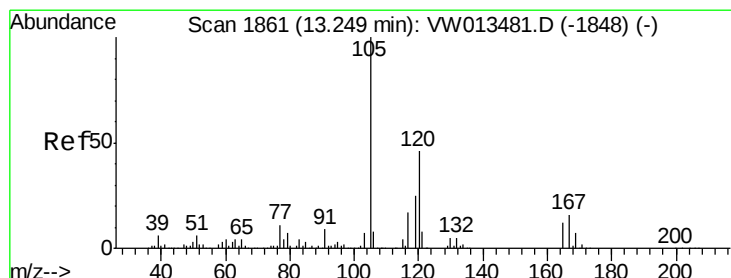
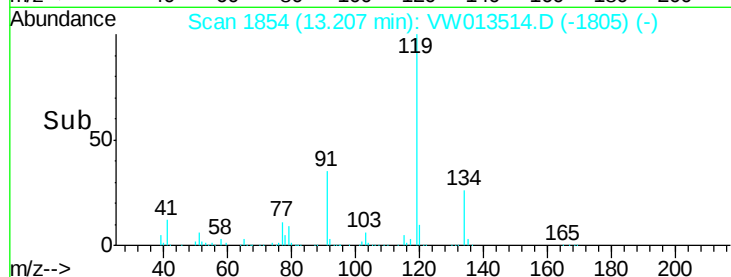
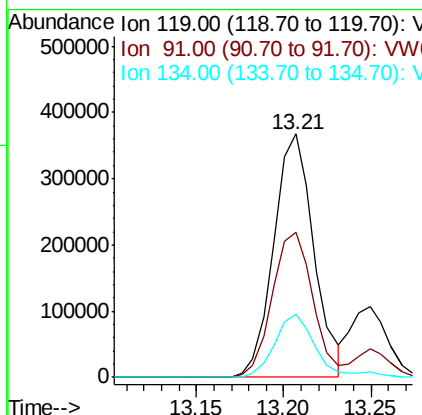
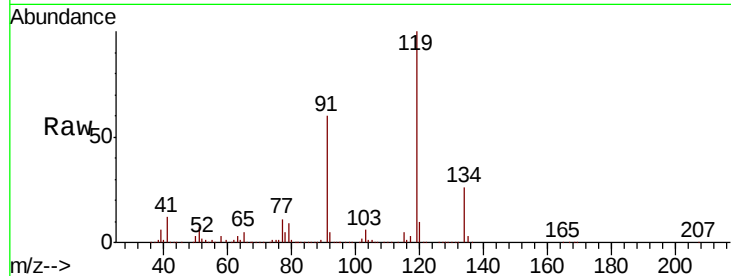
#83
tert-Butylbenzene
Concen: 50.543 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013514.D
Acq: 09 Oct 2019 20:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.1	30.6	91.6
134	26.8	13.8	41.3

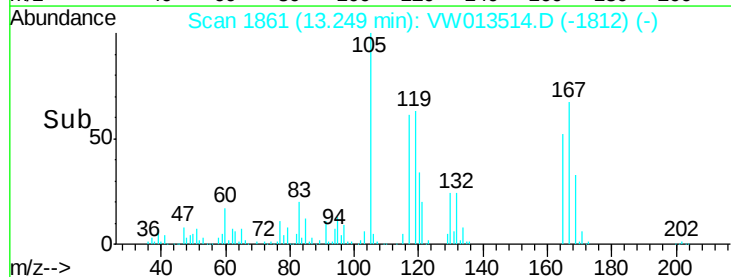
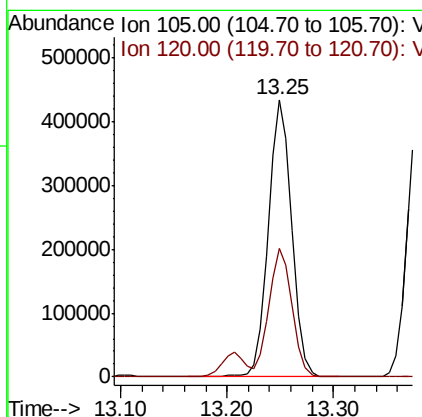
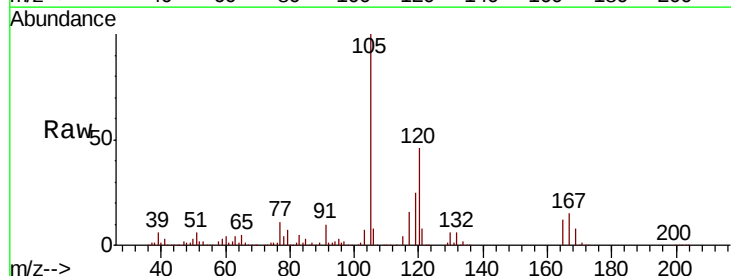
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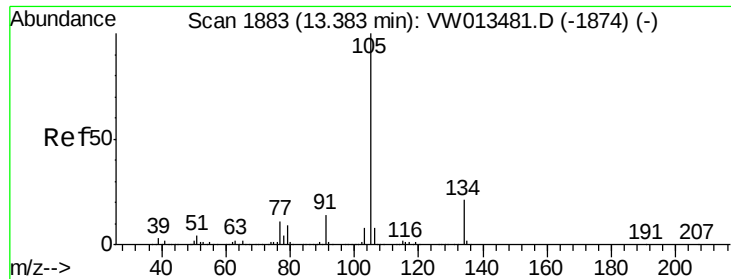
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#84
1,2,4-Trimethylbenzene
Concen: 51.222 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013514.D
Acq: 09 Oct 2019 20:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	23.2	69.5





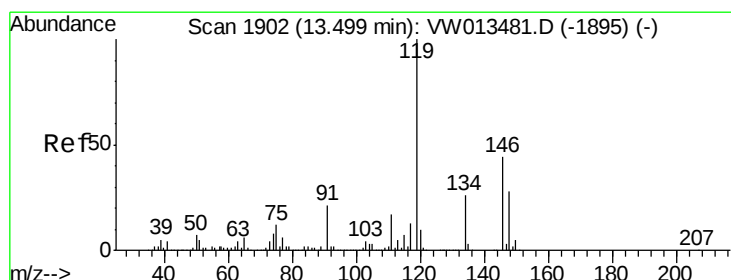
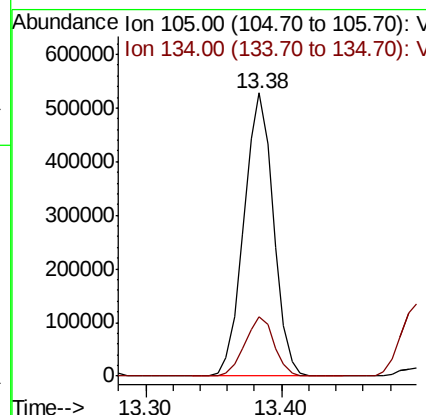
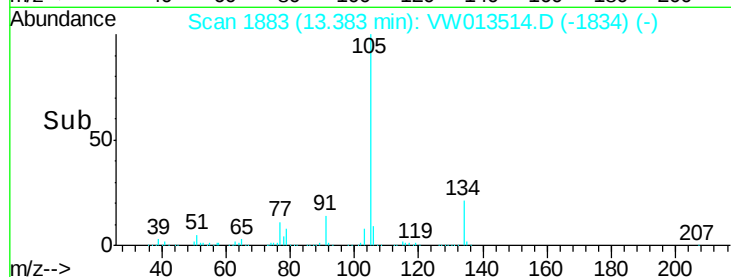
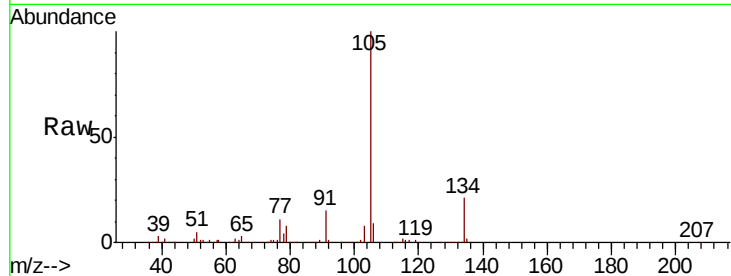
#85
 sec-Butylbenzene
 Concen: 49.672 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW013514.D
 Acq: 09 Oct 2019 20:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.8	10.4	31.4

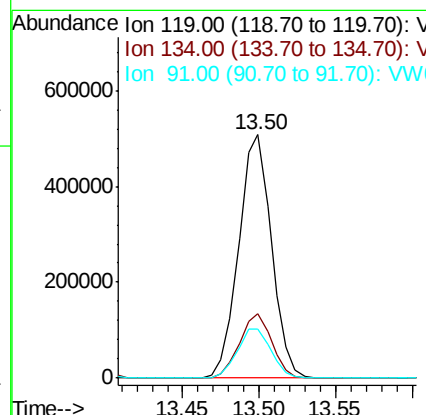
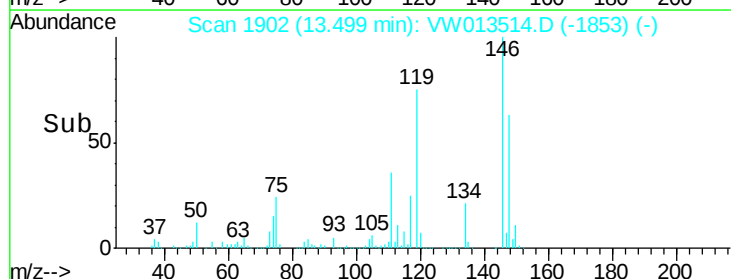
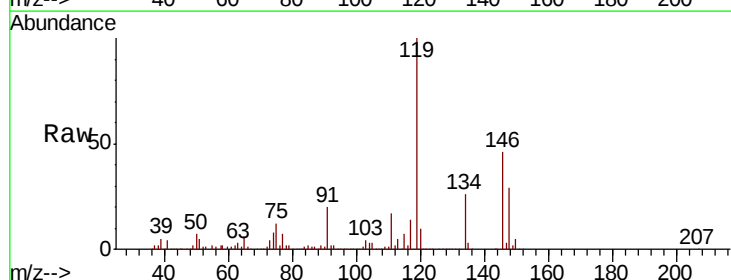
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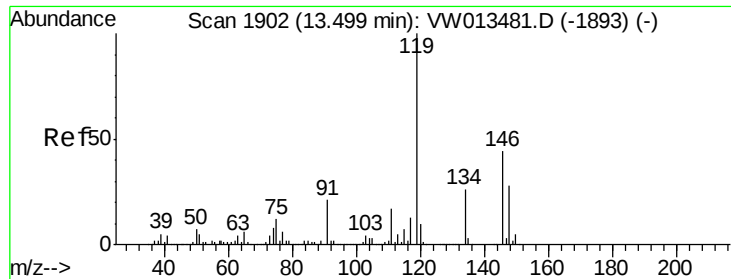
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#86
 p-Isopropyltoluene
 Concen: 50.666 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013514.D
 Acq: 09 Oct 2019 20:01

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.1	39.1
91	21.0	10.8	32.3





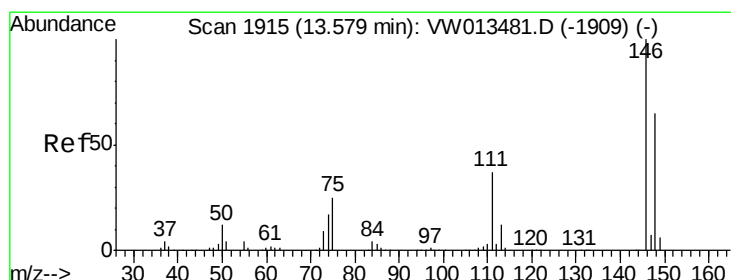
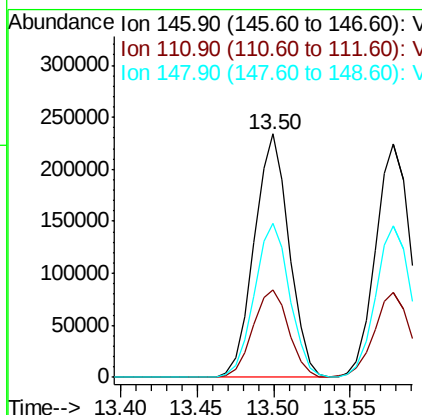
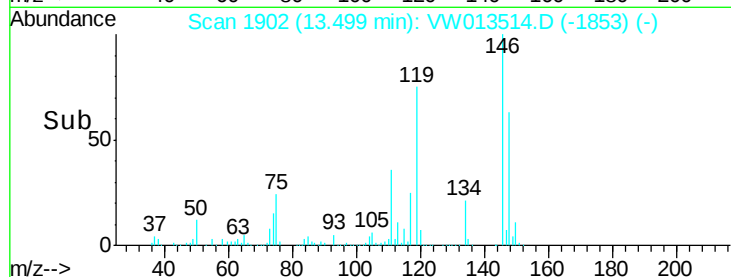
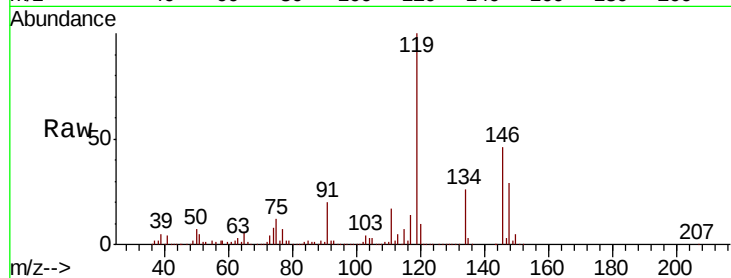
#87
 1,3-Dichlorobenzene
 Concen: 52.229 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013514.D
 Acq: 09 Oct 2019 20:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.7	56.1
148	64.0	32.3	96.8

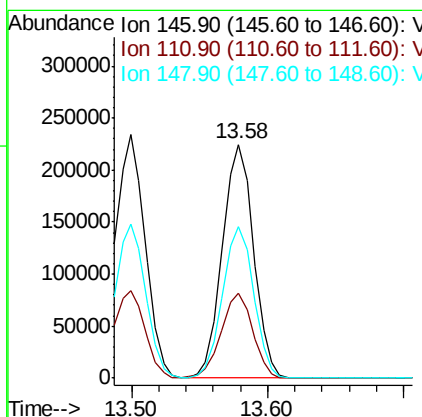
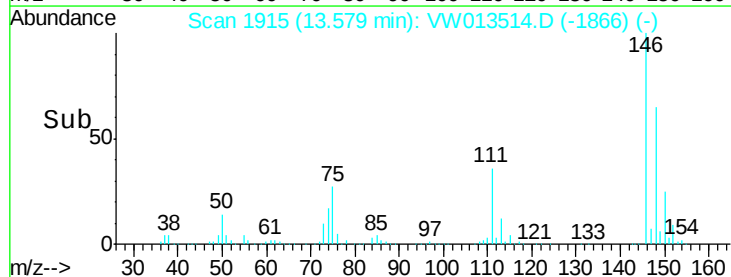
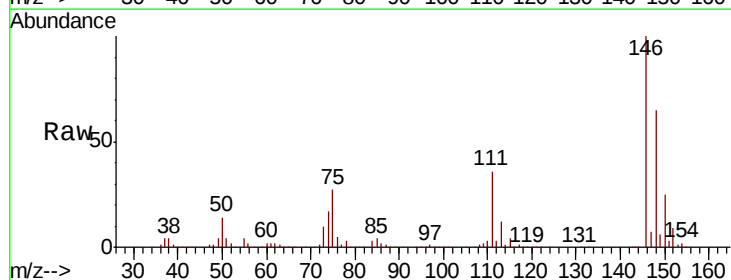
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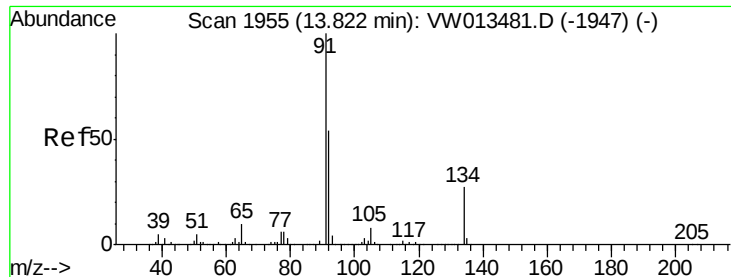
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#88
 1,4-Dichlorobenzene
 Concen: 51.456 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013514.D
 Acq: 09 Oct 2019 20:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.4	55.4
148	65.0	32.0	96.2





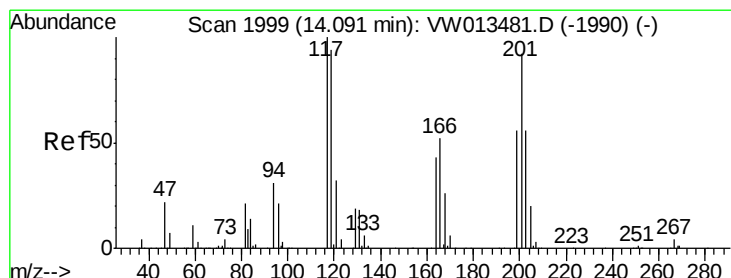
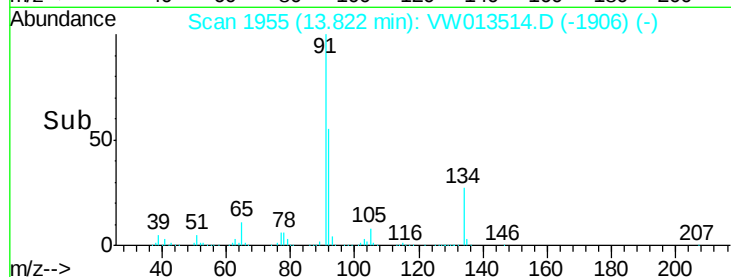
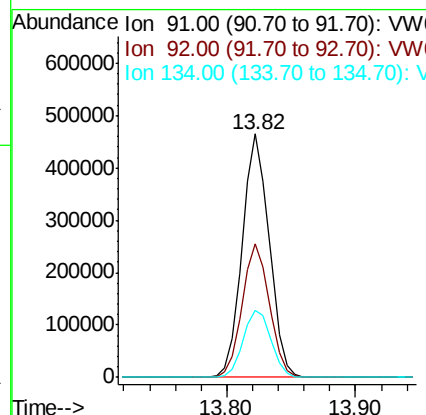
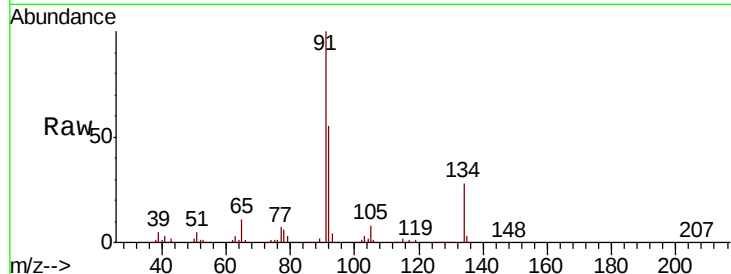
#89
n-Butylbenzene
Concen: 50.233 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013514.D
Acq: 09 Oct 2019 20:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.2	27.5	82.4
134	28.4	13.8	41.3

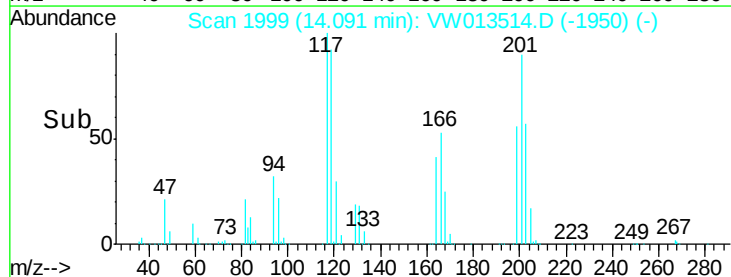
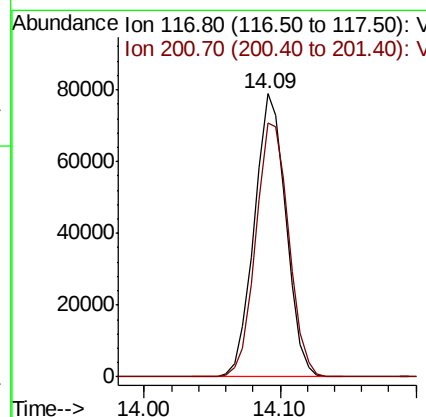
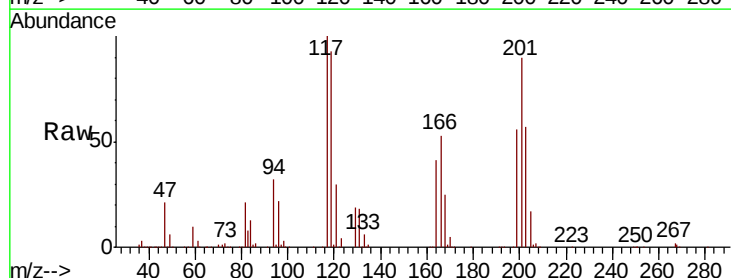
Manual Integrations
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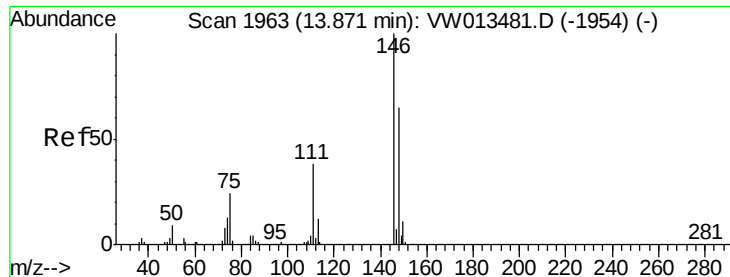
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#90
Hexachloroethane
Concen: 51.020 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW013514.D
Acq: 09 Oct 2019 20:01

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.2	46.9	140.7





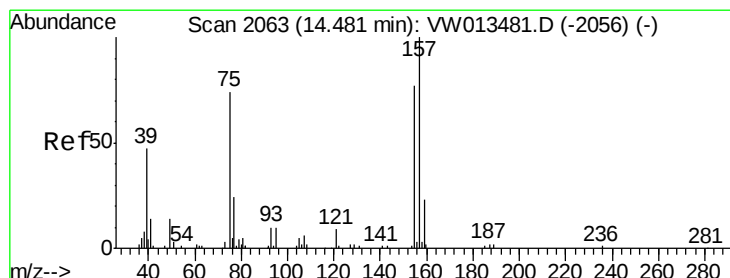
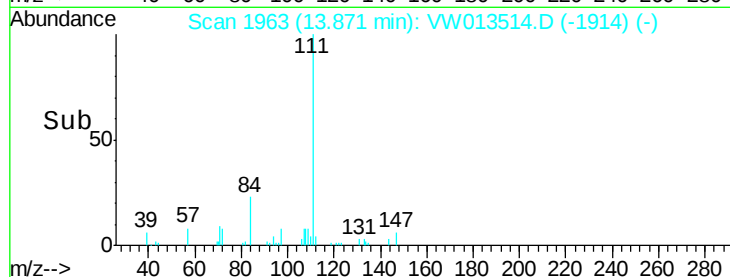
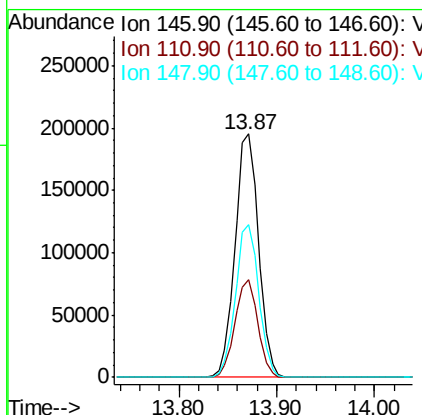
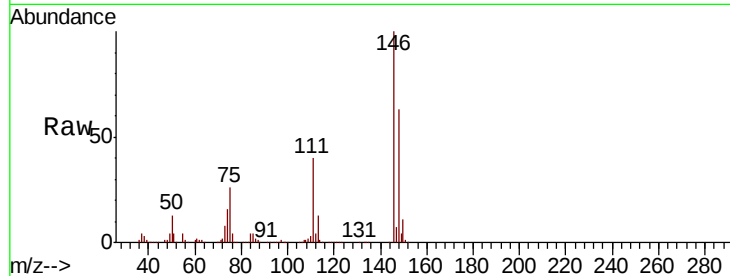
#91
 1,2-Dichlorobenzene
 Concen: 51.870 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013514.D
 Acq: 09 Oct 2019 20:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.4	58.2
148	62.4	31.8	95.3

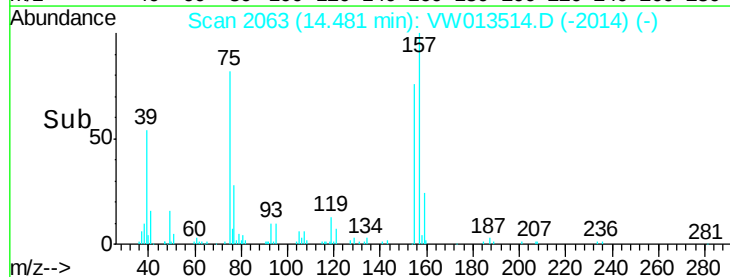
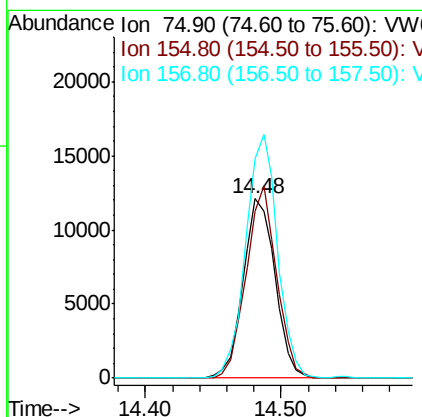
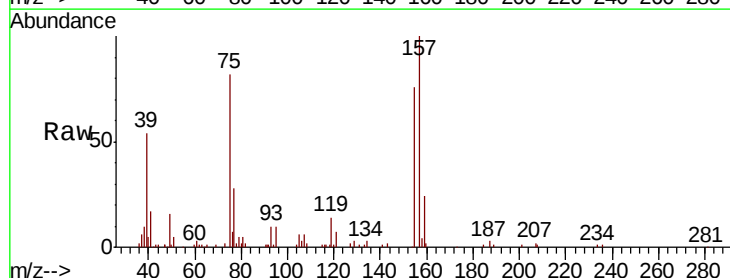
Manual Integrations
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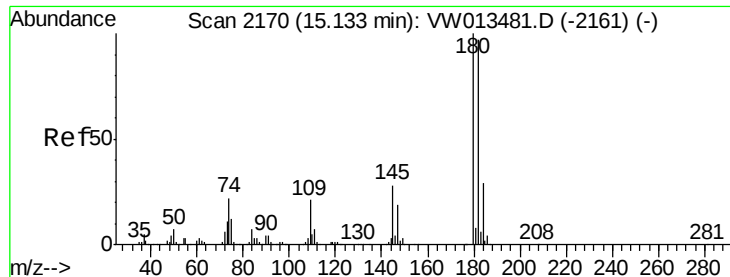
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.706 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW013514.D
 Acq: 09 Oct 2019 20:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.6	51.0	153.1
157	134.1	65.9	197.7





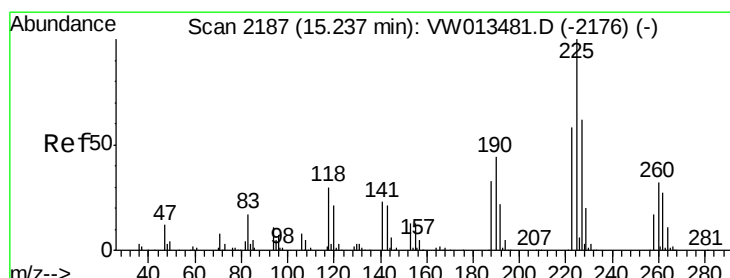
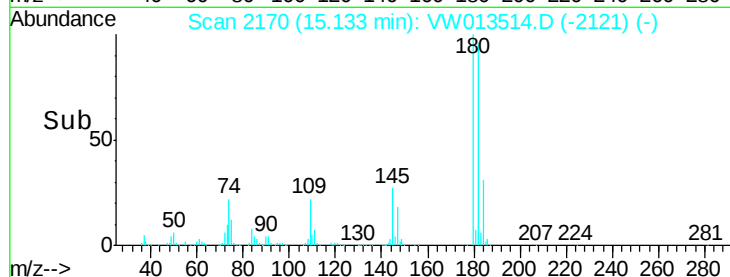
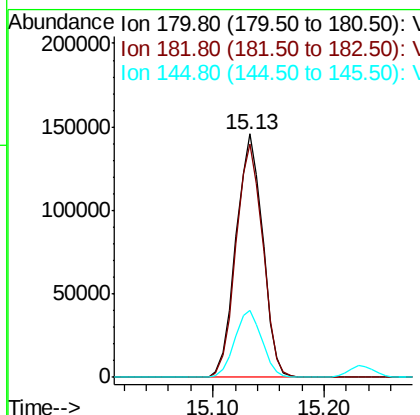
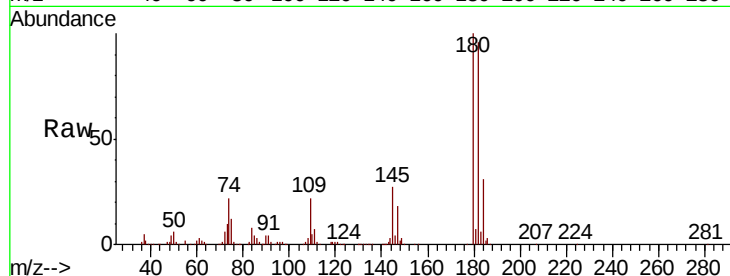
#93
 1,2,4-Trichlorobenzene
 Concen: 54.474 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013514.D
 Acq: 09 Oct 2019 20:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	241404		
182	96.2	47.7	143.1	
145	28.0	14.0	41.9	

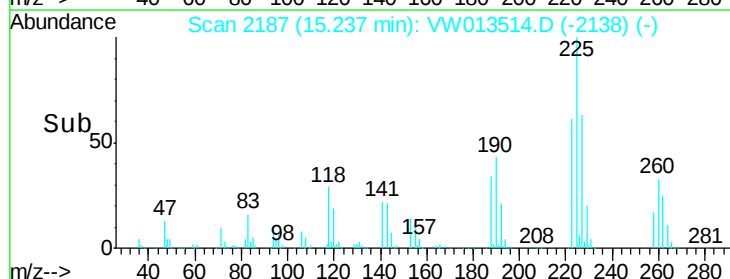
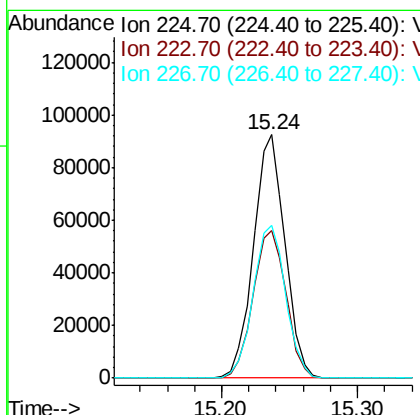
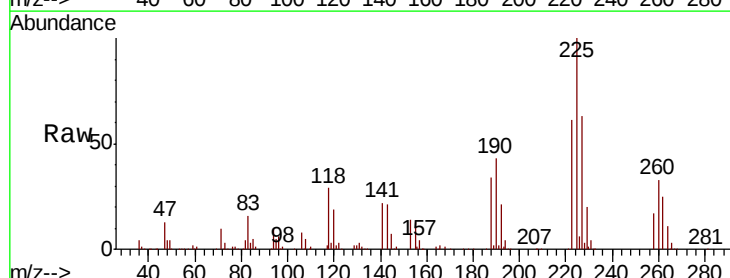
Manual Integrations
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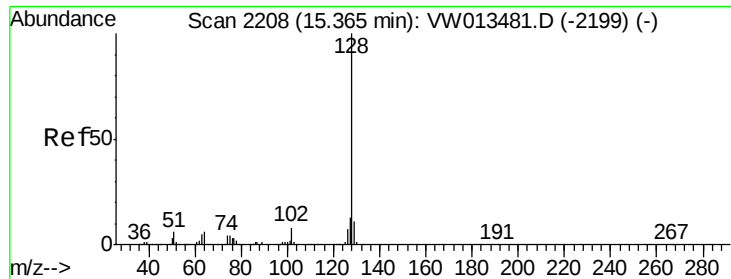
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#94
 Hexachlorobutadiene
 Concen: 51.041 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013514.D
 Acq: 09 Oct 2019 20:01

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	150311		
223	63.5	30.3	90.9	
227	65.0	32.0	96.0	





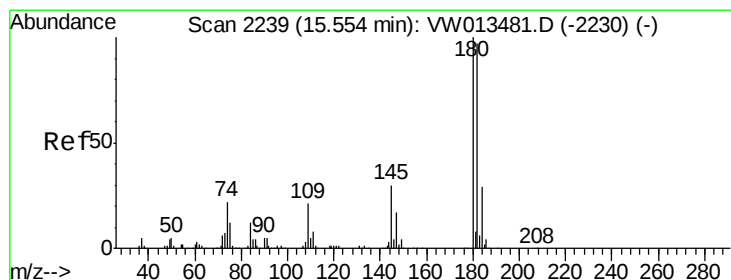
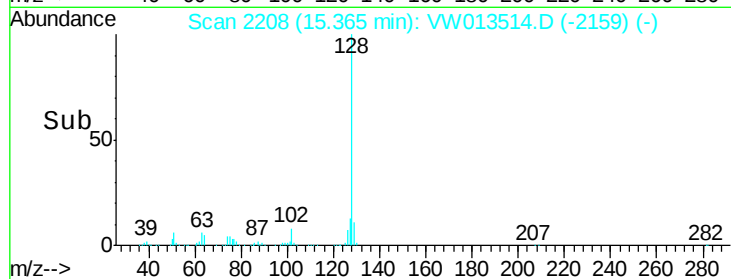
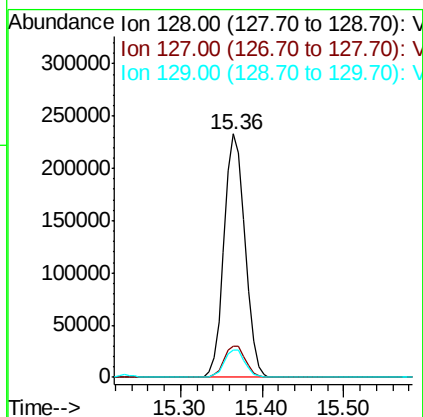
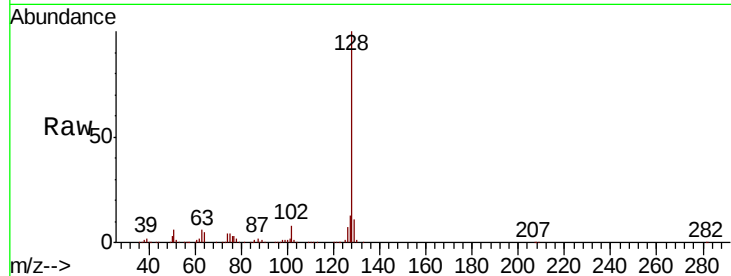
#95
Naphthalene
Concen: 53.881 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013514.D
Acq: 09 Oct 2019 20:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	16.0
129	11.1	8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 54.700 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013514.D
Acq: 09 Oct 2019 20:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.4	47.7	143.1
145	29.8	14.9	44.9

