

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052019\
 Data File : VW010452.D
 Acq On : 20 May 2019 16:54
 Operator : SY/VA
 Sample : VSTDIC100
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 5/21/2019 11:28:49 AM

Quant Time: May 21 06:38:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:23:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	146862	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	254668	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	224750	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	110846	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	150484	95.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	190.18%	
35) Dibromofluoromethane	7.88	113	156393	100.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	200.36%	
50) Toluene-d8	10.32	98	588127	100.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	201.42%	
62) 4-Bromofluorobenzene	12.62	95	224756	97.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	195.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	129479	102.935	ug/l	98
3) Chloromethane	2.21	50	150872	88.895	ug/l	98
4) Vinyl Chloride	2.36	62	175676	98.186	ug/l	97
5) Bromomethane	2.74	94	113320	108.313	ug/l	98
6) Chloroethane	2.90	64	112996	100.906	ug/l	97
7) Trichlorofluoromethane	3.25	101	260488	104.642	ug/l	99
8) Diethyl Ether	3.68	74	83790	96.382	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	160398	101.878	ug/l	100
10) Methyl Iodide	4.26	142	202228	113.388	ug/l	98
11) Tert butyl alcohol	5.17	59	66093	462.521	ug/l	100
12) 1,1-Dichloroethene	4.03	96	153852	103.071	ug/l	99
13) Acrolein	3.89	56	39371	368.053	ug/l	98
14) Allyl chloride	4.67	41	221560	96.936	ug/l	100
15) Acrylonitrile	5.37	53	172124	468.625	ug/l	99
16) Acetone	4.12	43	146483	502.385	ug/l	100
17) Carbon Disulfide	4.37	76	463645	107.101	ug/l	99
18) Methyl Acetate	4.67	43	71841	82.596	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	394639	94.430	ug/l	98
20) Methylene Chloride	4.92	84	169663	96.293	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	175409	101.075	ug/l	100
22) Diisopropyl ether	6.31	45	457283	94.554	ug/l	98
23) Vinyl Acetate	6.26	43	1421772	475.499	ug/l	99
24) 1,1-Dichloroethane	6.21	63	273927	96.962	ug/l	98
25) 2-Butanone	7.17	43	223992	471.428	ug/l	99
26) 2,2-Dichloropropane	7.17	77	251533	97.751	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	189433	97.964	ug/l	100
28) Bromochloromethane	7.51	49	101971	98.118	ug/l	99
29) Tetrahydrofuran	7.52	42	148443	461.724	ug/l	99
30) Chloroform	7.68	83	293396	98.649	ug/l	99
31) Cyclohexane	7.95	56	266424	93.372	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	276854	98.521	ug/l	98
36) 1,1-Dichloropropene	8.08	75	229123	99.900	ug/l	100
37) Ethyl Acetate	7.25	43	98773	92.131	ug/l	98
38) Carbon Tetrachloride	8.07	117	251950	101.781	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	311971	101.542	ug/l	99
40) Benzene	8.32	78	648804	99.419	ug/l	100
41) Methacrylonitrile	7.48	41	59231	94.823	ug/l	98
42) 1,2-Dichloroethane	8.40	62	185477	96.426	ug/l	99
43) Isopropyl Acetate	8.43	43	201466	92.820	ug/l	99
44) Trichloroethene	9.09	130	191942	102.281	ug/l	100
45) 1,2-Dichloropropane	9.37	63	155197	97.984	ug/l	100
46) Dibromomethane	9.46	93	92687	99.446	ug/l	99
47) Bromodichloromethane	9.65	83	229704	98.722	ug/l	100
48) Methyl methacrylate	9.43	41	92804	92.503	ug/l	97
49) 1,4-Dioxane	9.45	88	28300	2051.313	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	510556	459.220	ug/l	99
52) Toluene	10.39	92	435209	100.422	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	233257	97.582	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	267441	98.393	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	130466	97.043	ug/l	99
56) Ethyl methacrylate	10.65	69	180728	96.266	ug/l	99
57) 1,3-Dichloropropane	10.93	76	217939	96.577	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	410541	469.569	ug/l	100
59) 2-Hexanone	10.97	43	363377	467.913	ug/l	99
60) Dibromochloromethane	11.13	129	169434	101.298	ug/l	99
61) 1,2-Dibromoethane	11.24	107	132902	97.344	ug/l	99
64) Tetrachloroethene	10.86	164	155961	103.787	ug/l	98
65) Chlorobenzene	11.66	112	473877	102.568	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	171531	100.705	ug/l	100
67) Ethyl Benzene	11.73	91	822338	100.765	ug/l	99
68) m/p-Xylenes	11.84	106	651146	203.742	ug/l	100
69) o-Xylene	12.17	106	308915	101.601	ug/l	100
70) Styrene	12.18	104	535609	102.473	ug/l	100
71) Bromoform	12.35	173	100214	105.871	ug/l #	99
73) Isopropylbenzene	12.47	105	839657	96.483	ug/l	100
74) N-amyl acetate	12.27	43	201958	92.681	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	152984	90.669	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	106904m	90.875	ug/l	
77) Bromobenzene	12.75	156	193695	98.781	ug/l	98
78) n-propylbenzene	12.80	91	974947	96.827	ug/l	100
79) 2-Chlorotoluene	12.90	91	560669	95.433	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	712260	96.386	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	53934	90.483	ug/l	98
82) 4-Chlorotoluene	12.99	91	585532	95.608	ug/l	100
83) tert-Butylbenzene	13.21	119	636947	101.642	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	701001	96.231	ug/l	100
85) sec-Butylbenzene	13.38	105	859427	97.503	ug/l	100
86) p-Isopropyltoluene	13.50	119	777163	97.366	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	367894	97.341	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	373792	99.097	ug/l	100
89) n-Butylbenzene	13.83	91	740649	97.387	ug/l	100
90) Hexachloroethane	14.10	117	156274	97.749	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	340490	99.475	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	28270	89.838	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	232894	103.008	ug/l	99
94) Hexachlorobutadiene	15.24	225	127266	104.921	ug/l	98
95) Naphthalene	15.37	128	494736	98.214	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	200289	100.793	ug/l	99

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

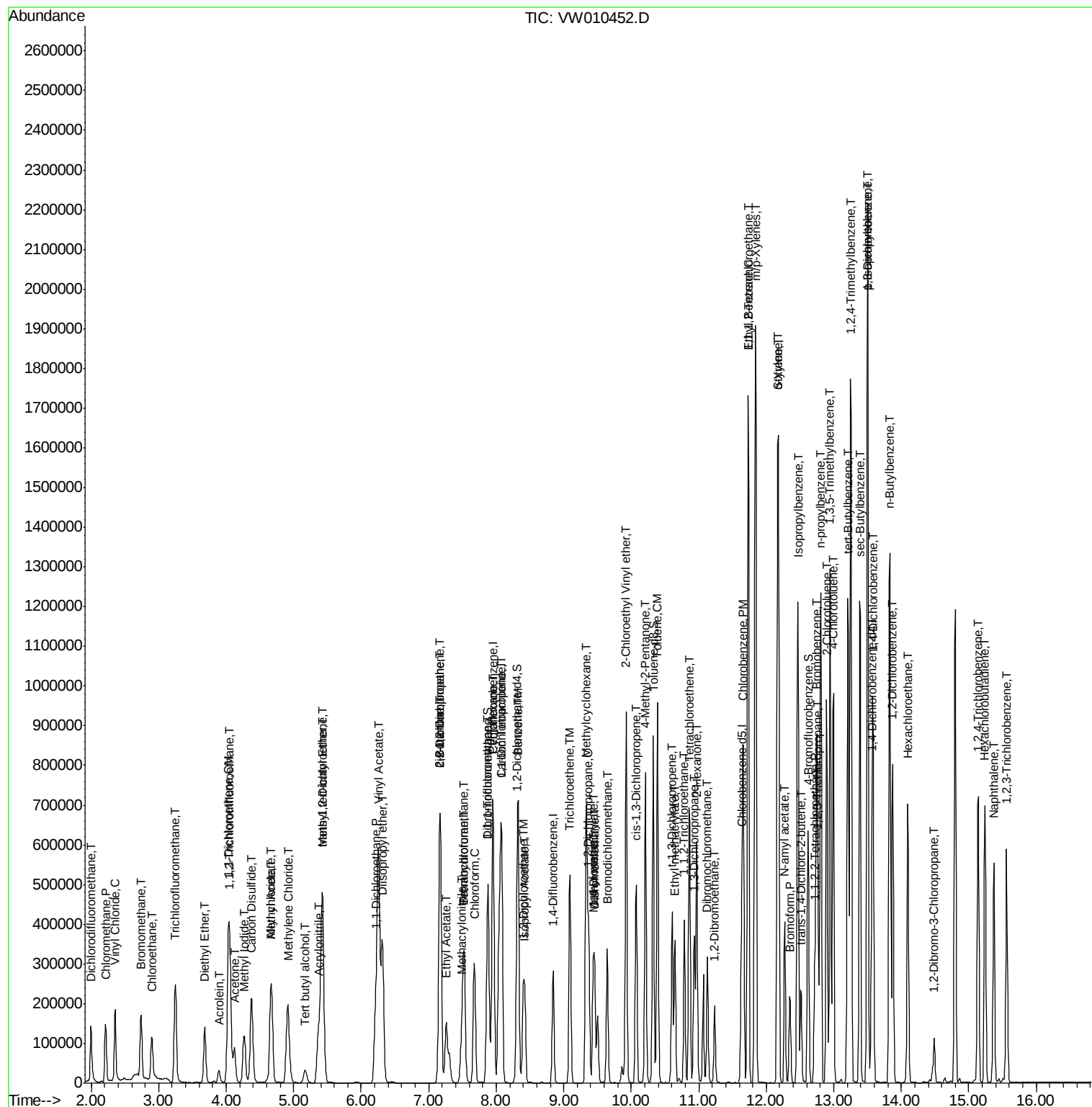
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW052019\
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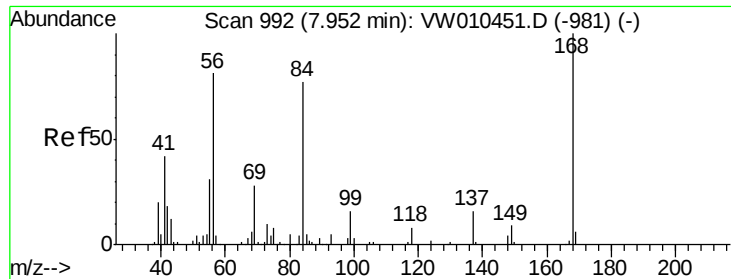
Instrument :
 MSVOA_W
 ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010452.D

Acq: 20 May 2019 16:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 146862

Ion Ratio Lower Upper

168 100

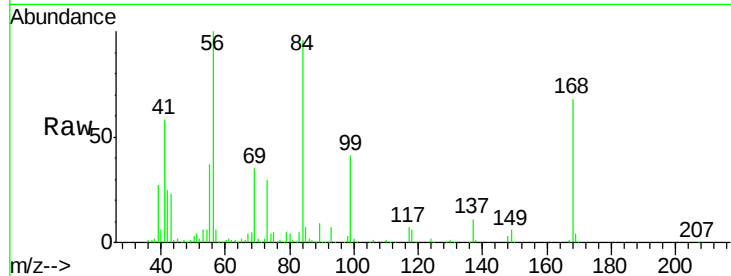
99 60.3 46.1 69.1

Manual Integrations

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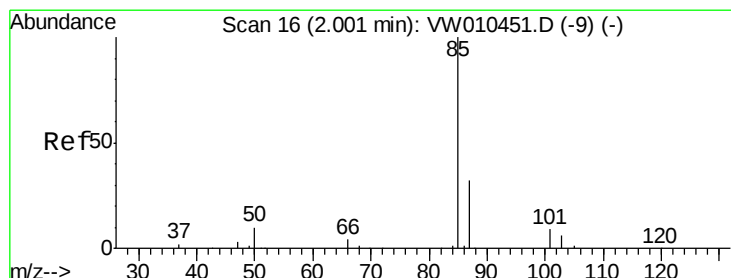
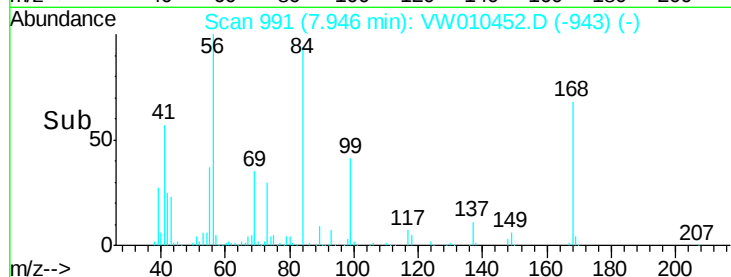
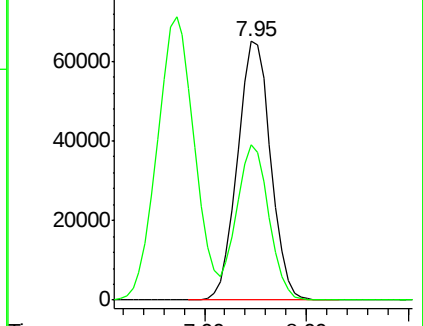
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 102.935 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW010452.D

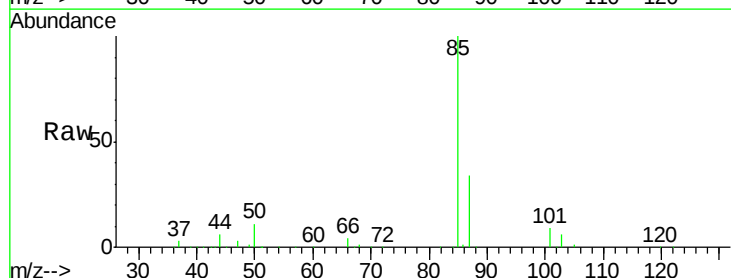
Acq: 20 May 2019 16:54

Tgt Ion: 85 Resp: 129479

Ion Ratio Lower Upper

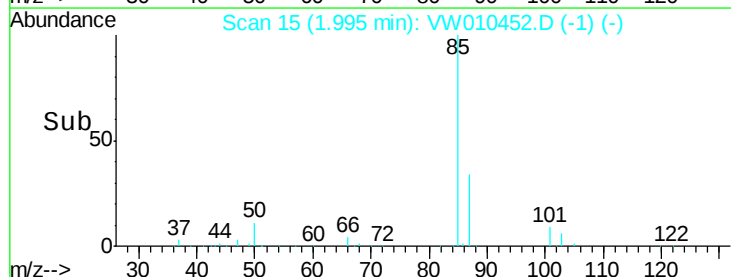
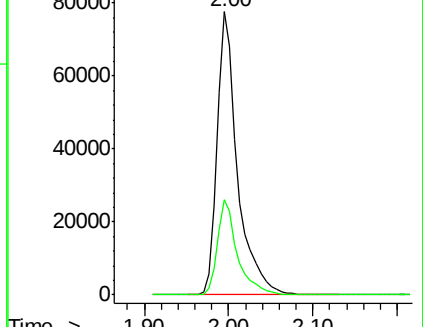
85 100

87 33.6 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 88.895 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW010452.D

Acq: 20 May 2019 16:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 150872

Ion Ratio Lower Upper

50 100

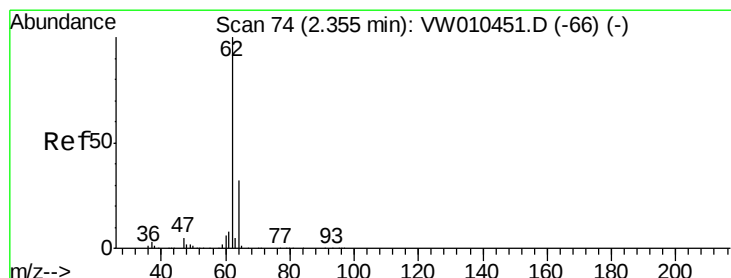
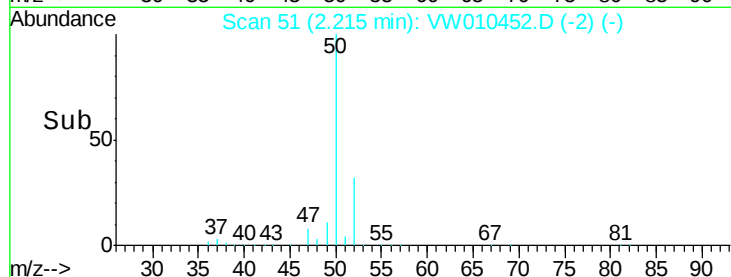
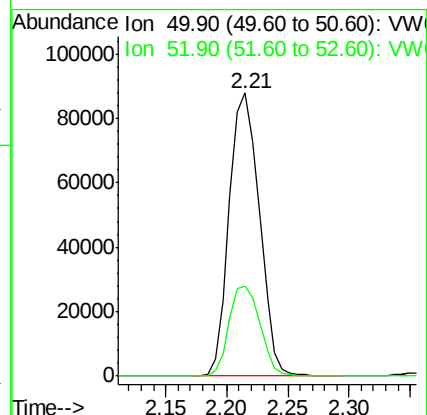
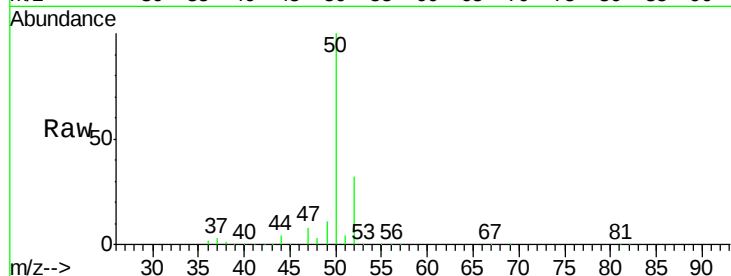
52 32.0 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 98.186 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW010452.D

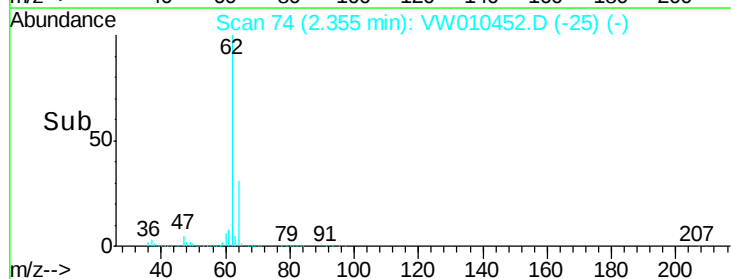
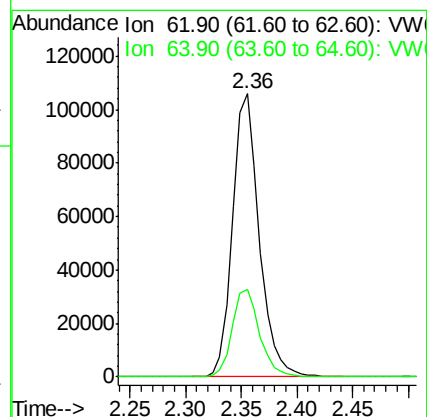
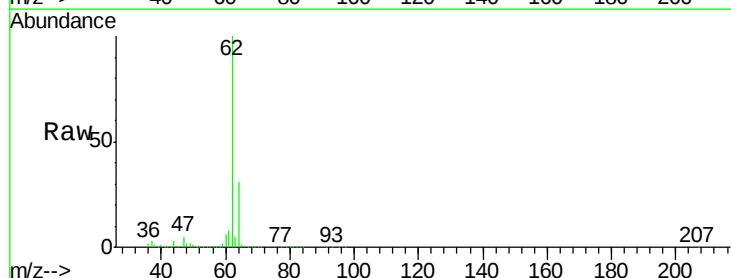
Acq: 20 May 2019 16:54

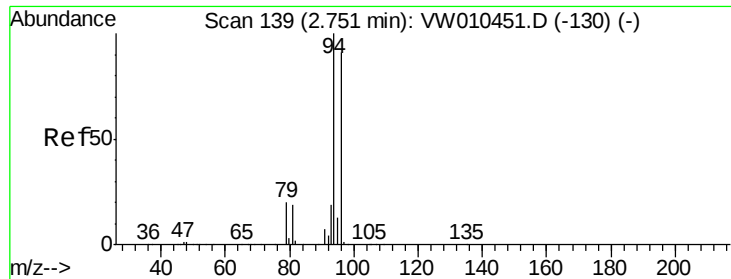
Tgt Ion: 62 Resp: 175676

Ion Ratio Lower Upper

62 100

64 30.8 25.8 38.8





#5

Bromomethane

Concen: 108.313 ug/l

RT: 2.74 min Scan# 137

Delta R.T. -0.01 min

Lab File: VW010452.D

Acq: 20 May 2019 16:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 113320

Ion Ratio Lower Upper

94 100

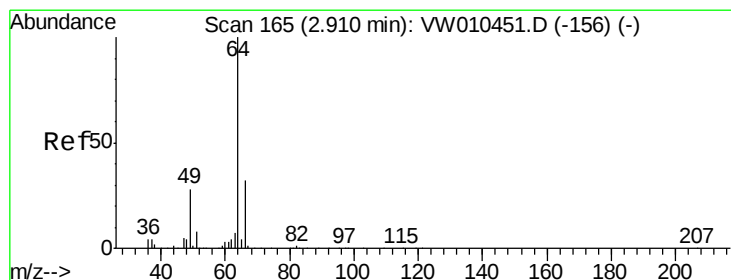
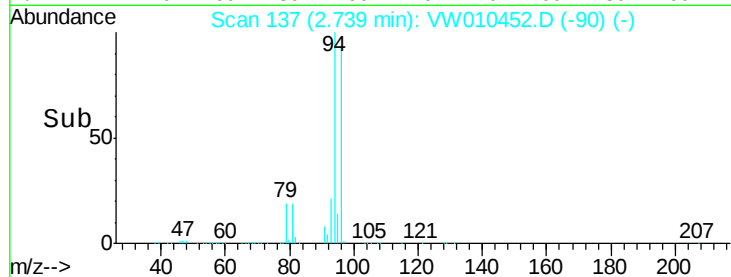
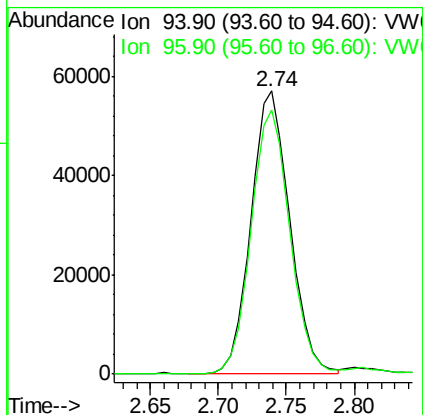
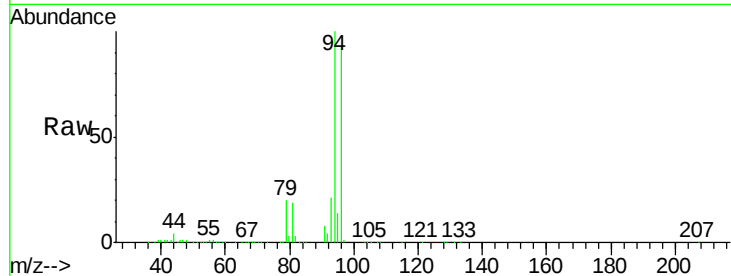
96 93.1 72.9 109.3

Manual Integrations

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#6

Chloroethane

Concen: 100.906 ug/l

RT: 2.90 min Scan# 163

Delta R.T. -0.01 min

Lab File: VW010452.D

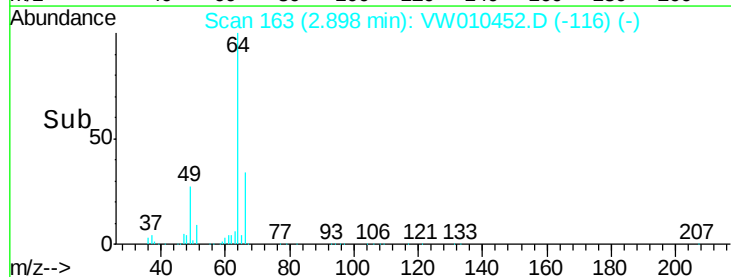
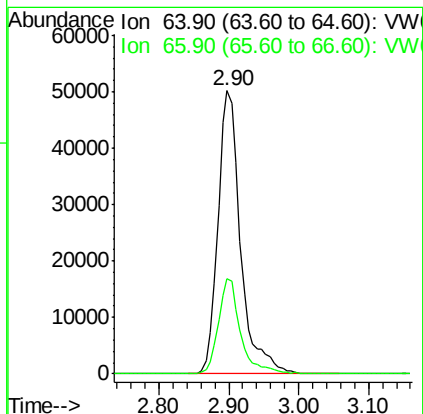
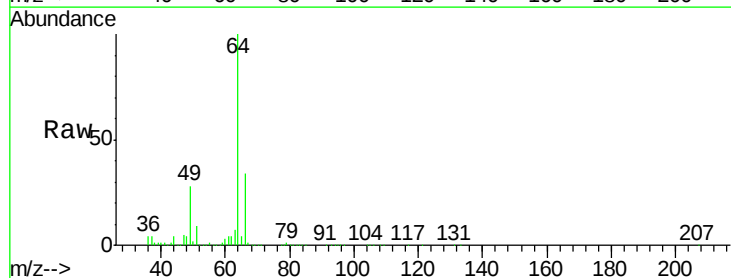
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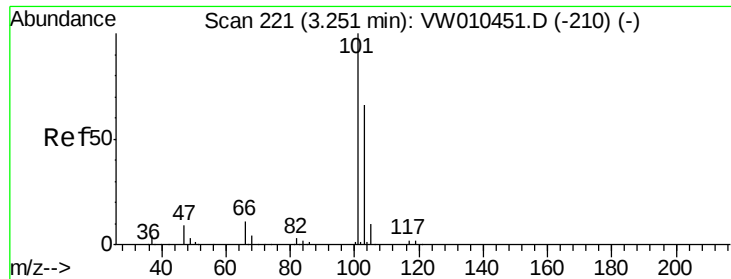
Tgt Ion: 64 Resp: 112996

Ion Ratio Lower Upper

64 100

66 33.6 25.5 38.3





#7

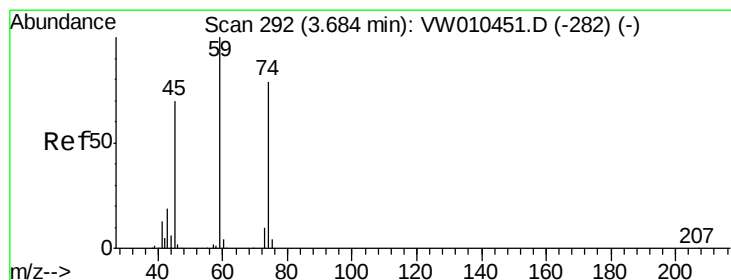
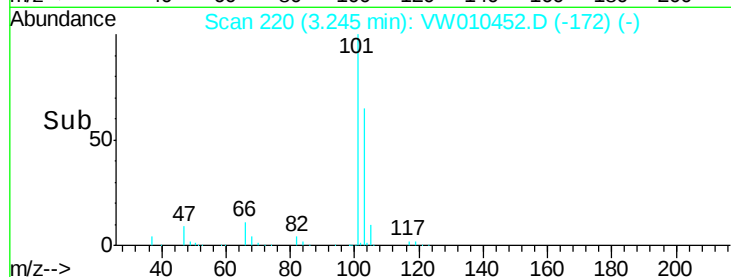
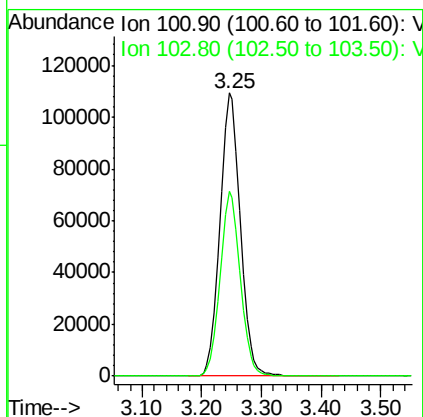
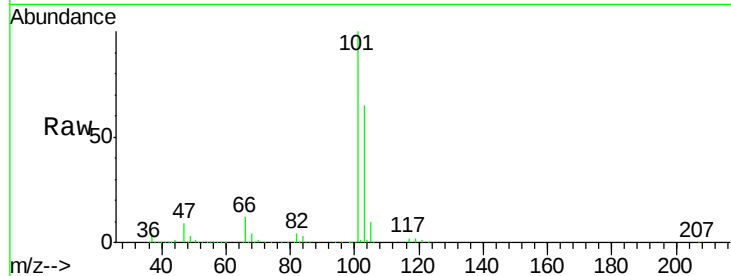
Trichlorofluoromethane
 Concen: 104.642 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW010452.D
 Acq: 20 May 2019 16:54

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	260488		
103	65.3	53.0	79.4	

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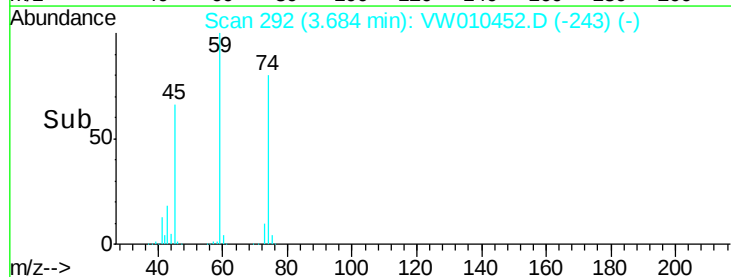
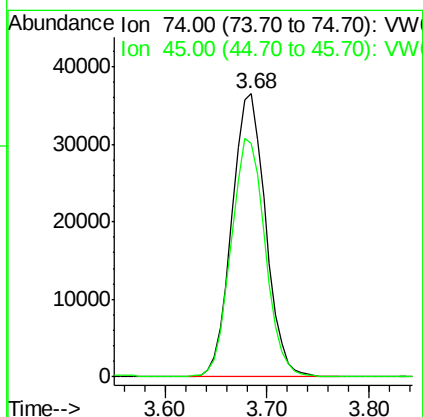
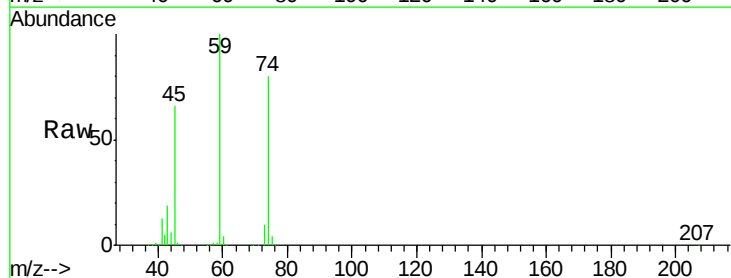
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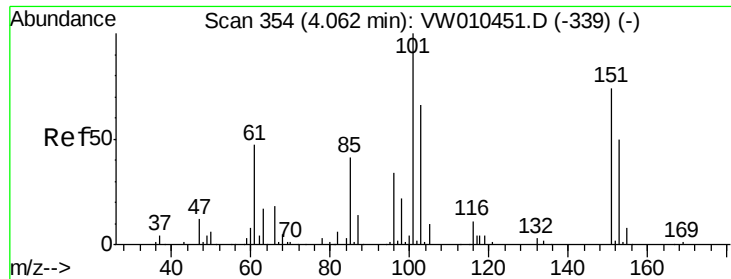


#8

Diethyl Ether
 Concen: 96.382 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VW010452.D
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Tgt Ion	Ratio	Resp	Lower	Upper
74	100	83790		
45	84.8	42.9	128.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 101.878 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW010452.D

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MSVOA_W

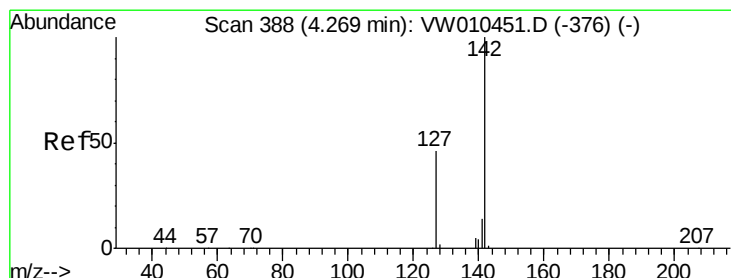
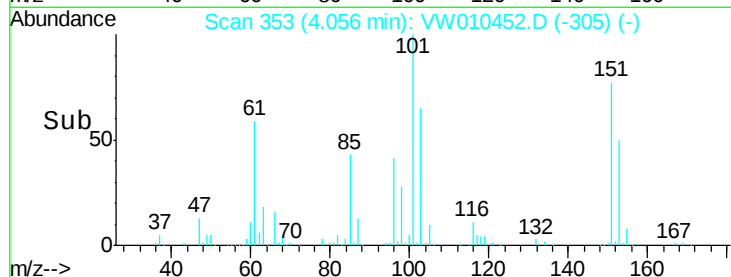
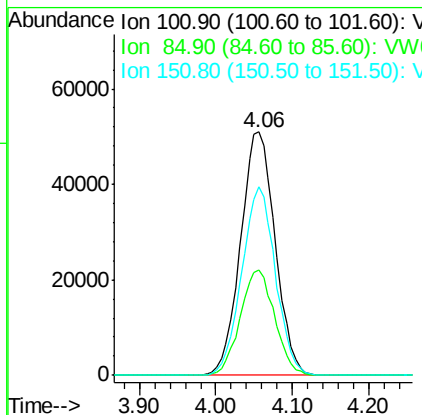
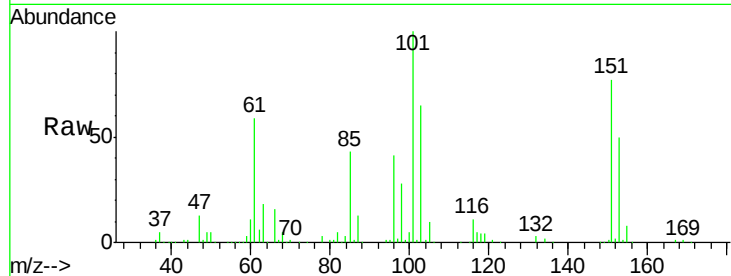
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	160398
Ion Ratio	Lower	Upper	
101	100		
85	42.9	34.3	51.5
151	75.3	60.3	90.5

Manual Integrations
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5/21/2019 11:28:49 AM



#10

Methyl Iodide

Concen: 113.388 ug/l

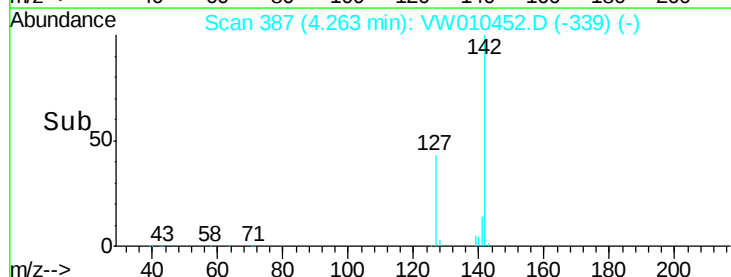
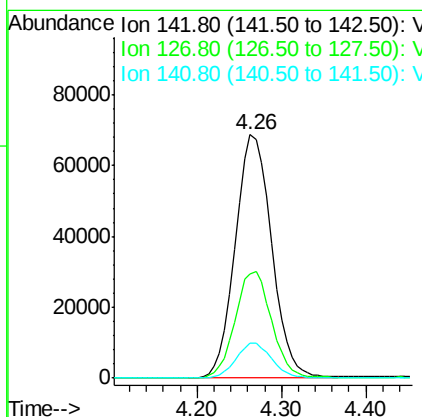
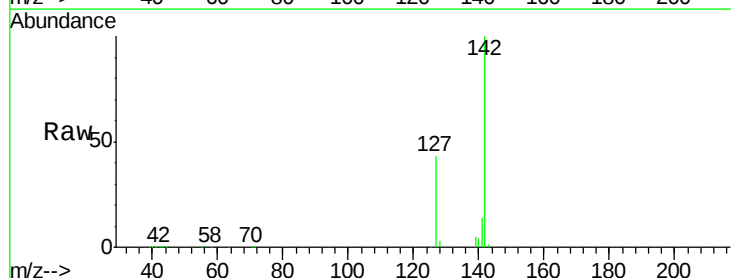
RT: 4.26 min Scan# 387

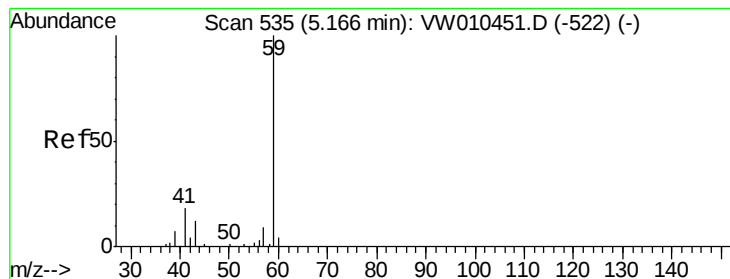
Delta R.T. -0.01 min

Lab File: VW010452.D

Acq: 20 May 2019 16:54

Tgt Ion:	142	Resp:	202228
Ion Ratio	Lower	Upper	
142	100		
127	43.7	36.1	54.1
141	14.2	11.3	16.9





#11

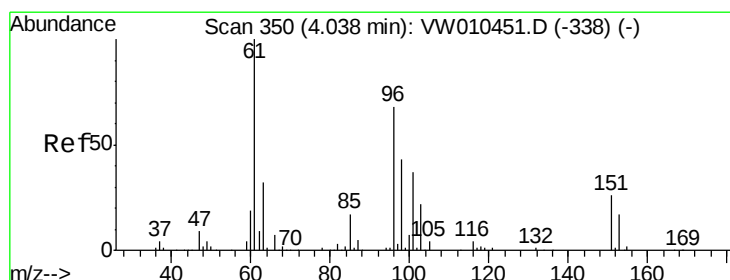
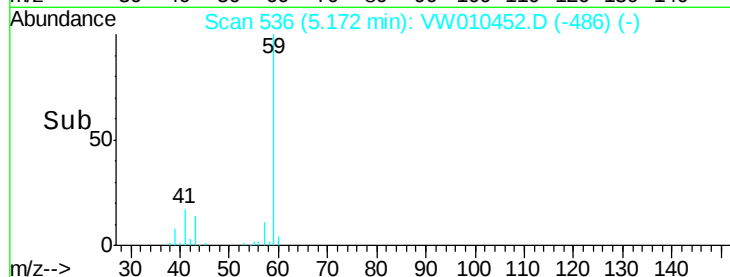
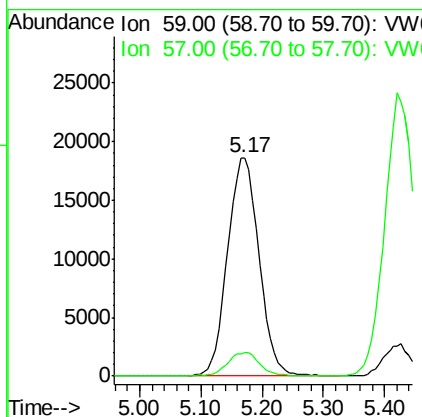
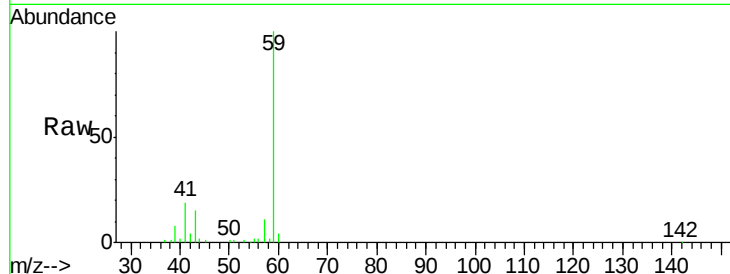
Tert butyl alcohol
 Concen: 462.521 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.01 min
 Lab File: VW010452.D
 Acq: 20 May 2019 16:54

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tot Ion	59	Resp	66093
Ion Ratio	100	Lower	Upper
57	11.1	8.8	13.2

Manual Integrations
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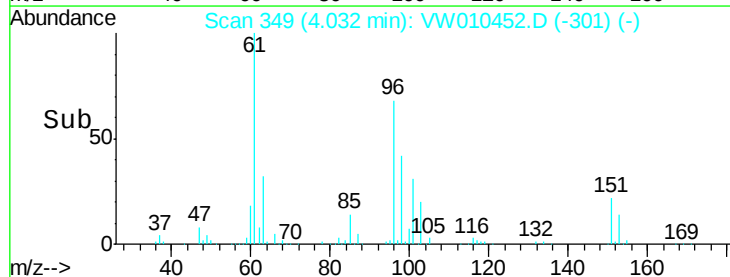
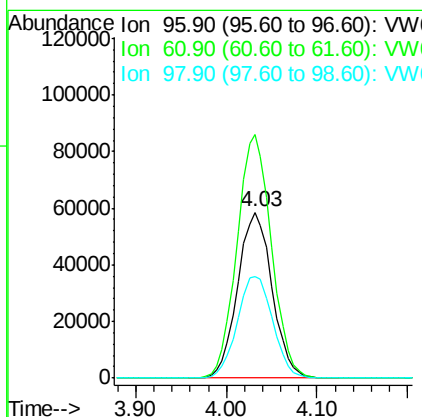
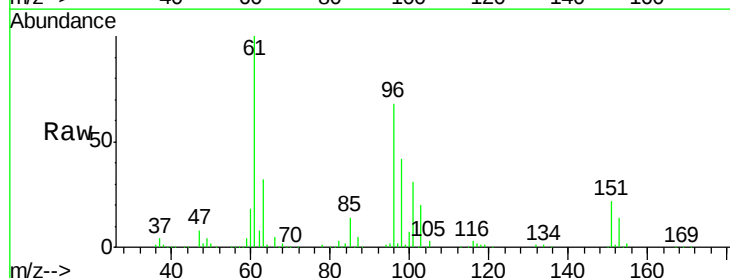
MMDadoda
 5/21/2019 11:28:49 AM

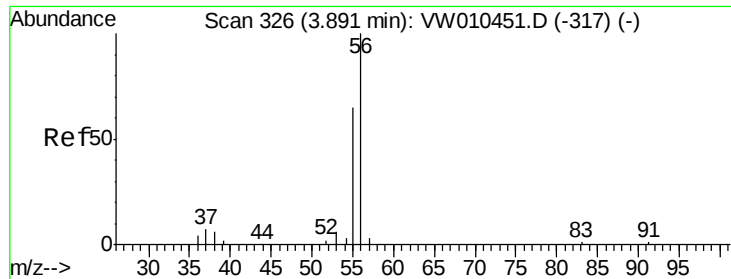


#12

1,1-Dichloroethene
 Concen: 103.071 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW010452.D
 Acq: 20 May 2019 16:54

Tgt Ion	96	Resp	153852
Ion Ratio	100	Lower	Upper
61	147.0	118.3	177.5
98	61.6	51.0	76.6





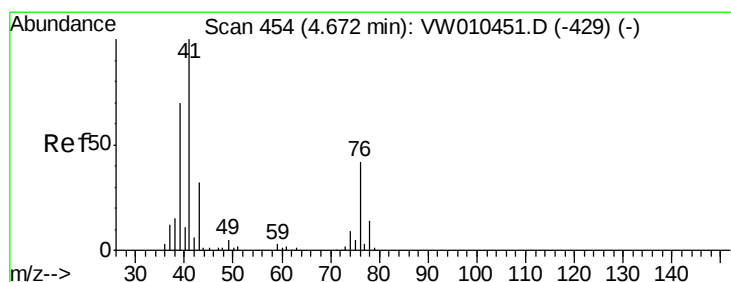
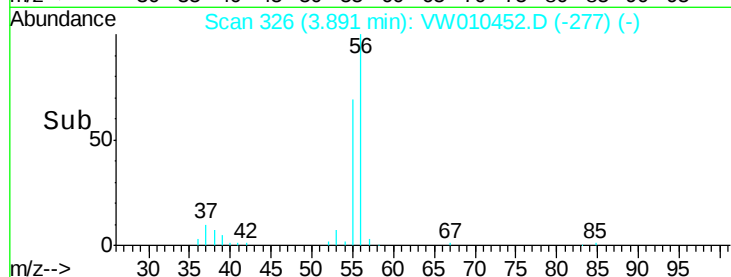
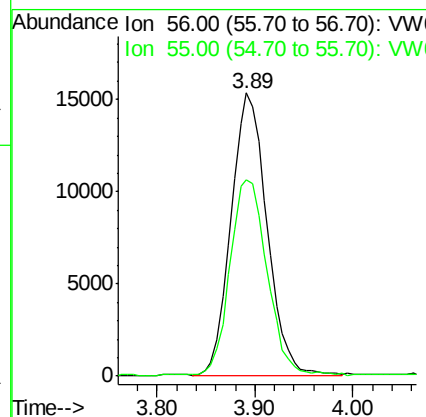
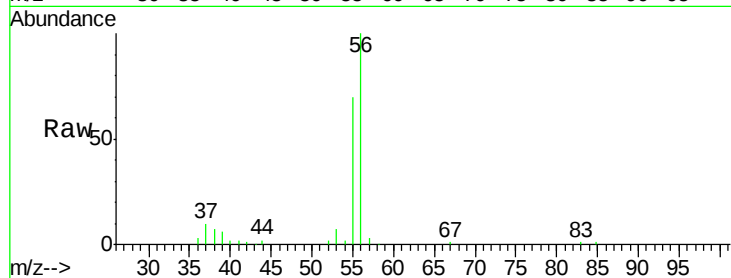
#13
 Acrolein
 Concen: 368.053 ug/l
 RT: 3.89 min Scan# 326
 Delta R.T. 0.00 min
 Lab File: VW010452.D
 Acq: 20 May 2019 16:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	56	55	Resp	39371	Lower	Upper
Ion Ratio	100	70.7				
					57.9	86.9

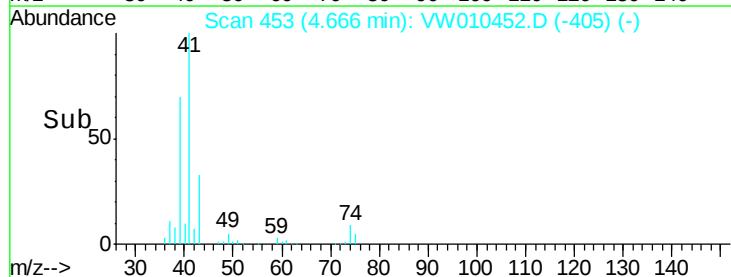
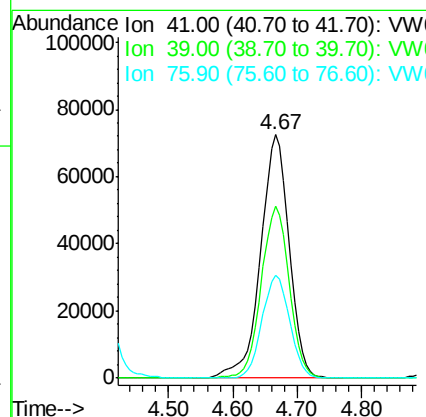
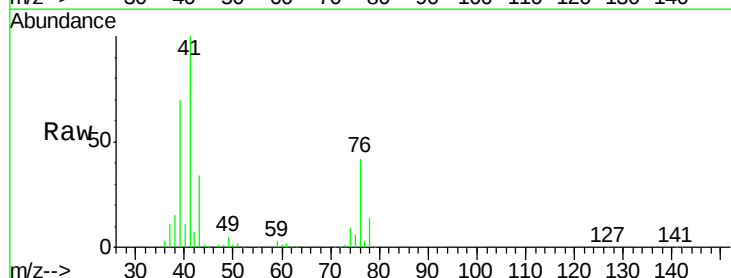
Manual Integrations
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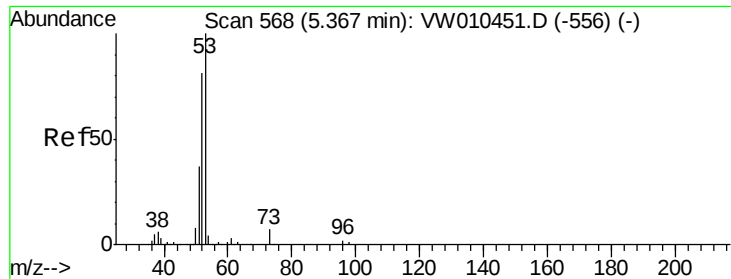
MMDadoda
 5/21/2019 11:28:49 AM



#14
 Allyl chloride
 Concen: 96.936 ug/l
 RT: 4.67 min Scan# 453
 Delta R.T. -0.01 min
 Lab File: VW010452.D
 Acq: 20 May 2019 16:54

Tgt Ion	41	39	76	Resp	221560	Lower	Upper
Ion Ratio	100	69.1	40.9				
						55.0	82.4
						32.8	49.2





#15

Acrylonitrile

Concen: 468.625 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW010452.D

Acq: 20 May 2019 16:54

Instrument :

MSVOA_W

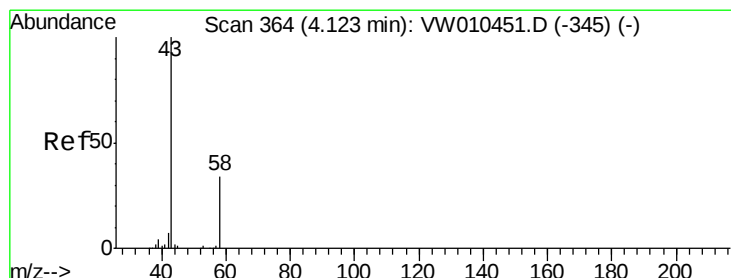
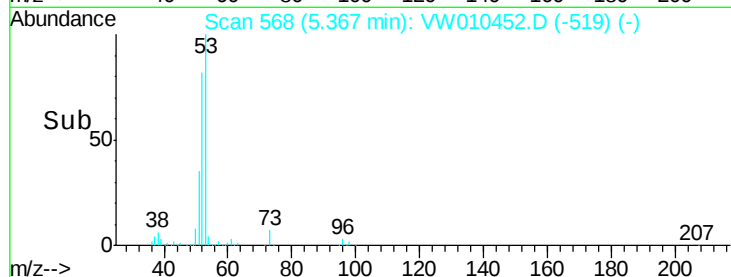
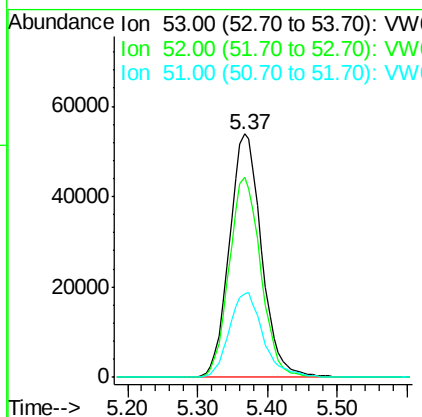
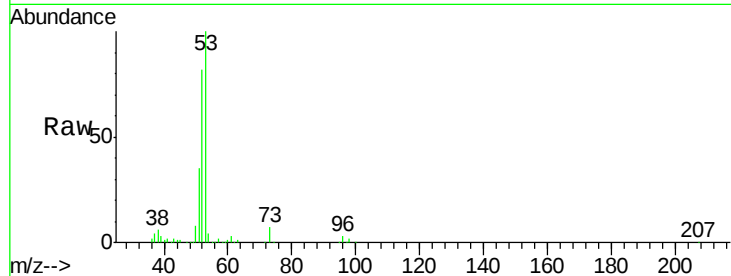
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	172124
Ion	Ratio	Lower	Upper
53	100		
52	80.9	65.6	98.4
51	36.7	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 502.385 ug/l

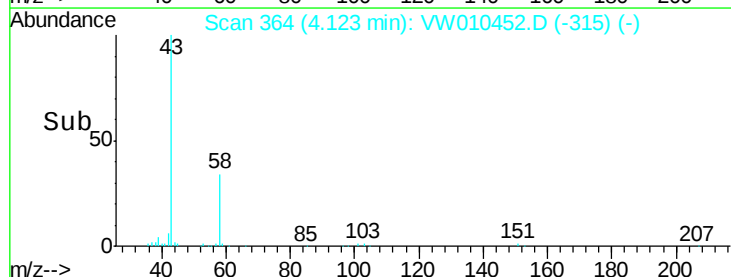
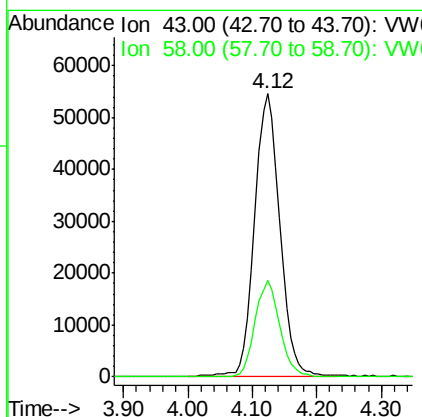
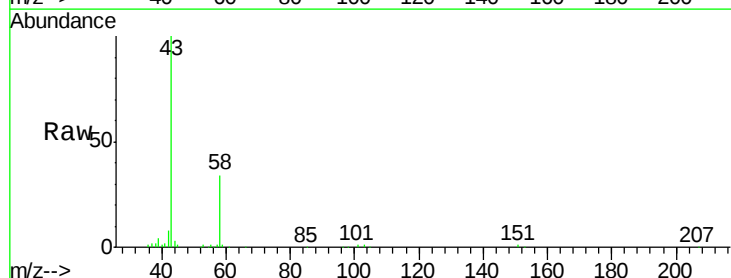
RT: 4.12 min Scan# 364

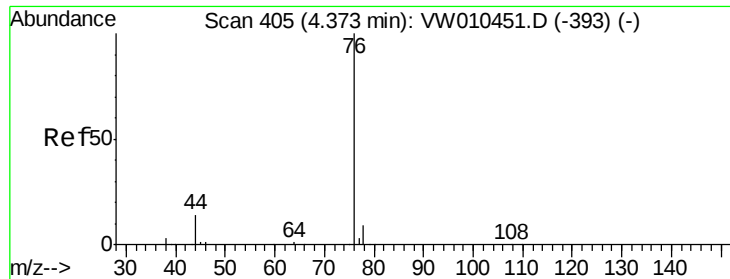
Delta R.T. 0.00 min

Lab File: VW010452.D

Acq: 20 May 2019 16:54

Tgt Ion:	43	Resp:	146483
Ion	Ratio	Lower	Upper
43	100		
58	33.9	27.0	40.4





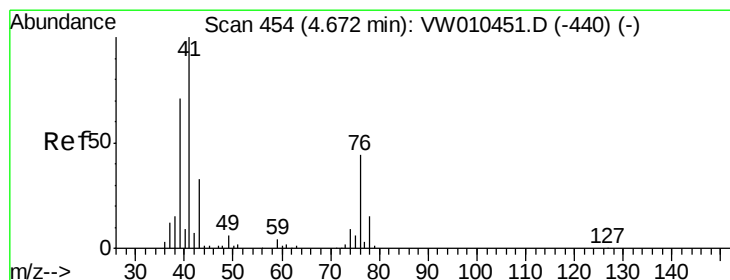
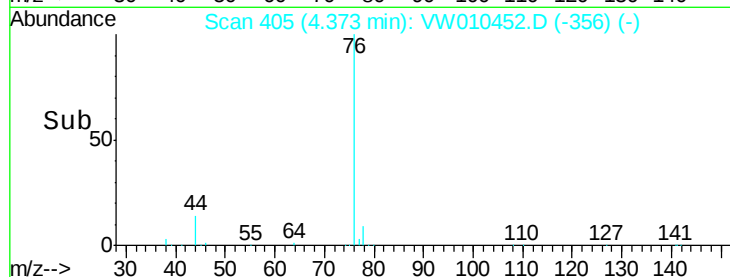
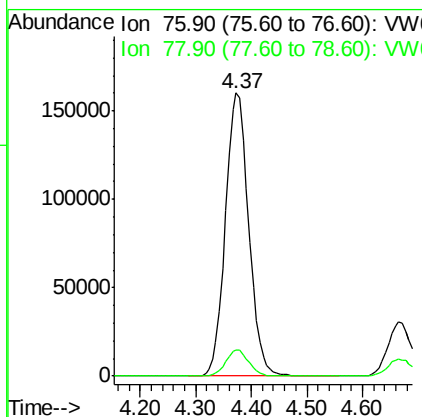
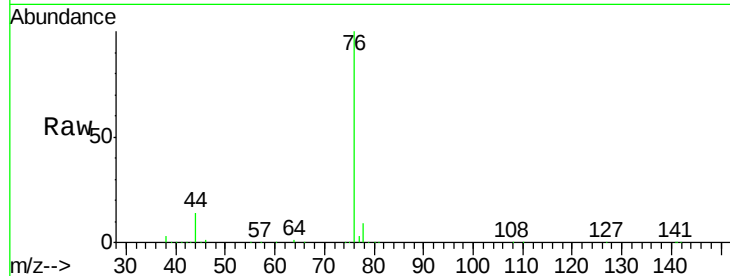
#17
Carbon Disulfide
Concen: 107.101 ug/l
RT: 4.37 min Scan# 405
Delta R.T. 0.00 min
Lab File: VW010452.D
Acq: 20 May 2019 16:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.1	10.7

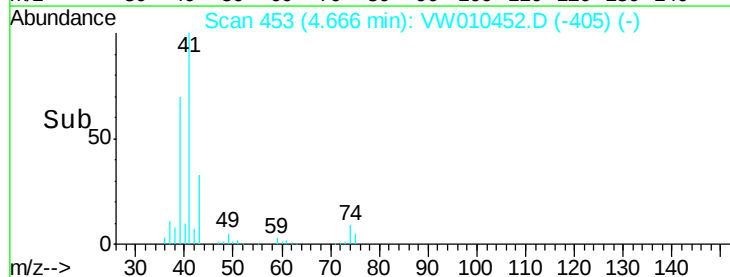
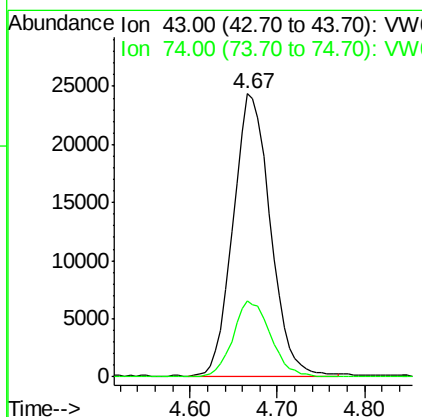
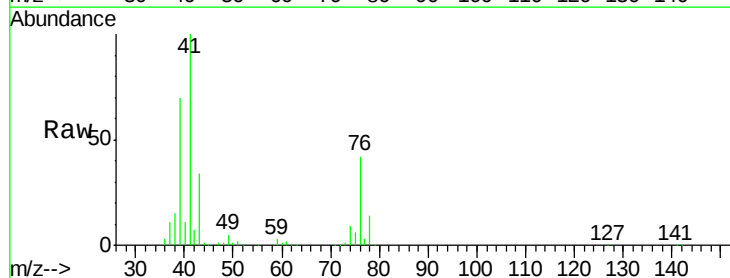
Manual Integrations
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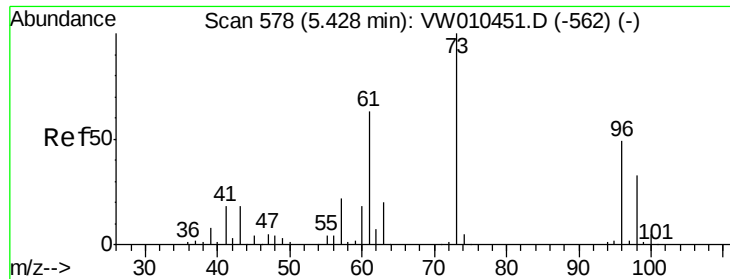
MMDadoda
5/21/2019 11:28:49 AM



#18
Methyl Acetate
Concen: 82.596 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW010452.D
Acq: 20 May 2019 16:54

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.1	21.6	32.4





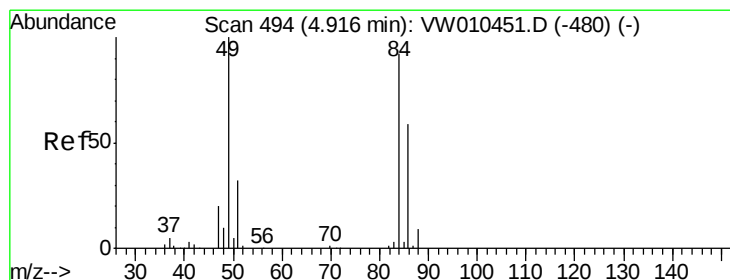
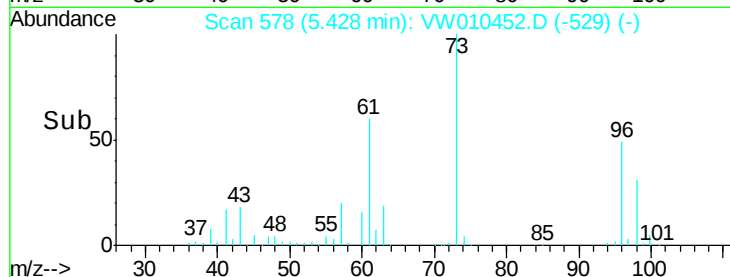
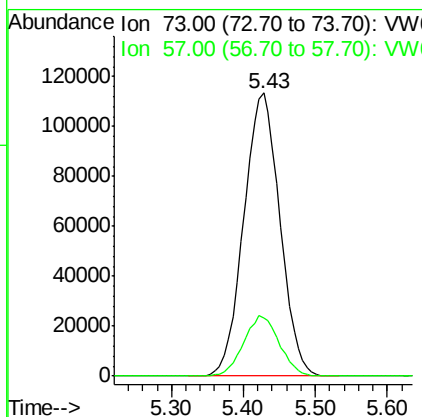
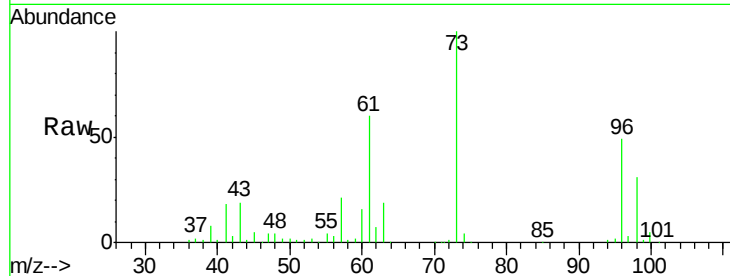
#19
Methvl tert-butvl Ether
Concen: 94.430 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW010452.D
Acq: 20 May 2019 16:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 394639
Ion Ratio Lower Upper
73 100
57 20.6 17.4 26.0

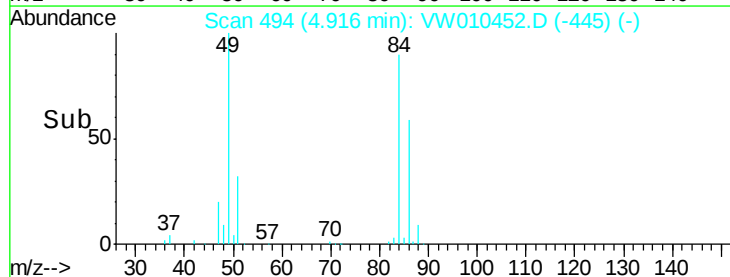
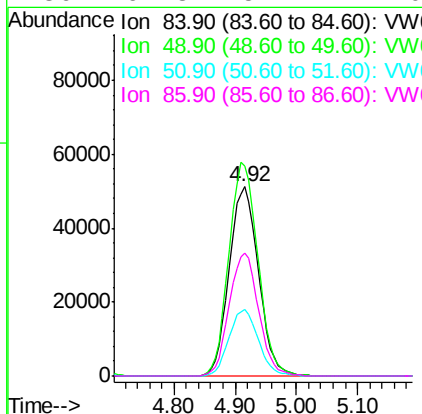
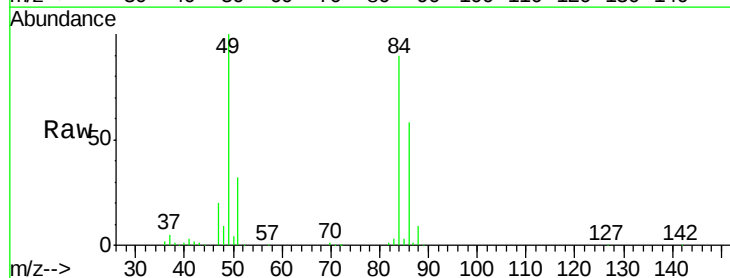
Manual Integrations
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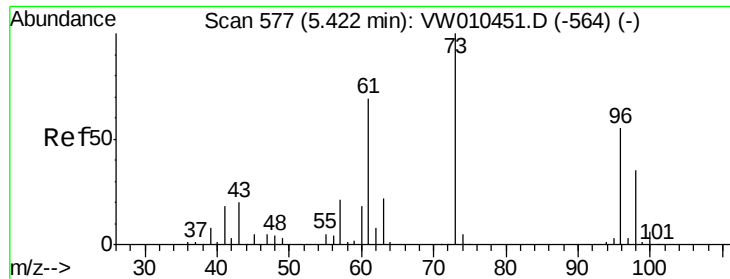
MMDadoda
5/21/2019 11:28:49 AM



#20
Methylene Chloride
Concen: 96.293 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW010452.D
Acq: 20 May 2019 16:54

Tgt Ion: 84 Resp: 169663
Ion Ratio Lower Upper
84 100
49 111.1 87.2 130.8
51 35.2 27.7 41.5
86 64.8 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 101.075 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW010452.D

Acq: 20 May 2019 16:54

Instrument :

MSVOA_W

ClientSampleID :

VSTDIC100

Tot Ion: 96 Resp: 175409

Ion Ratio Lower Upper

96 100

61 126.0 101.4 152.0

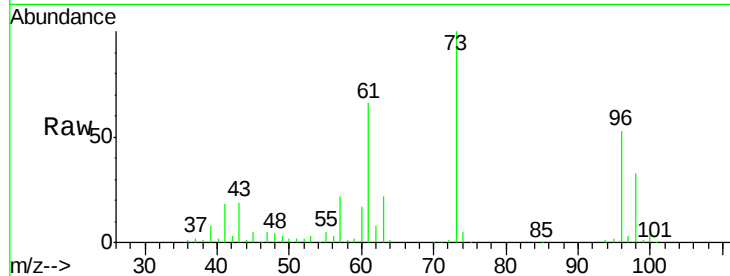
98 63.4 50.6 76.0

Manual Integrations

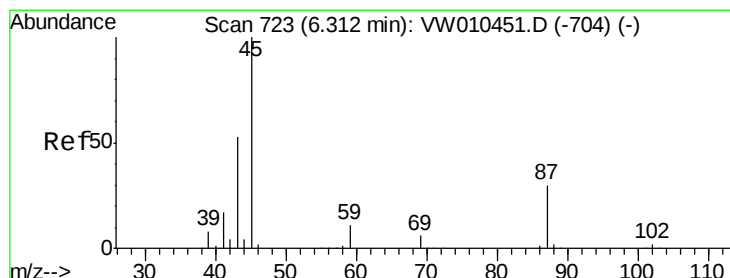
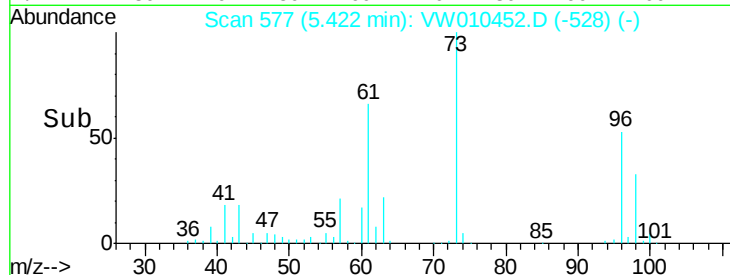
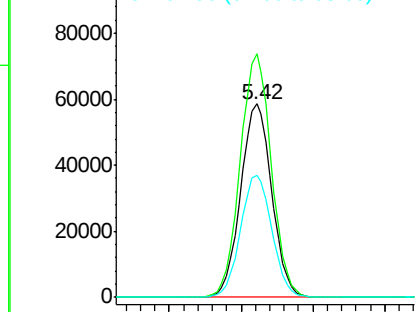
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Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 94.554 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW010452.D

Acq: 20 May 2019 16:54

Tgt Ion: 45 Resp: 457283

Ion Ratio Lower Upper

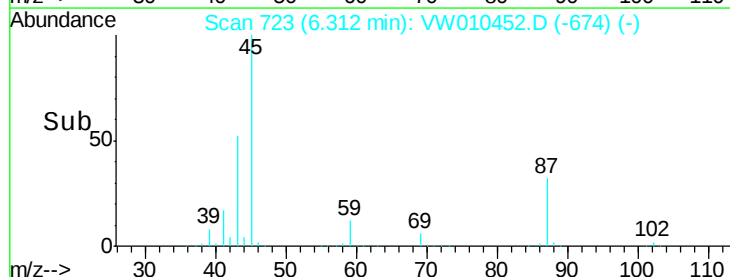
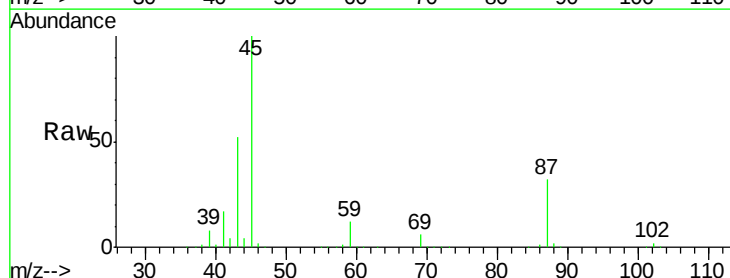
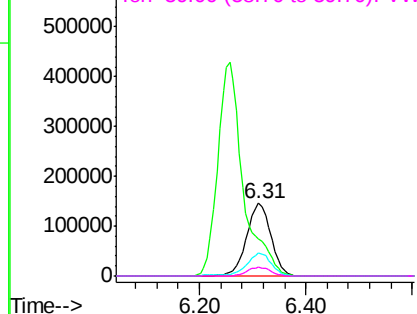
45 100

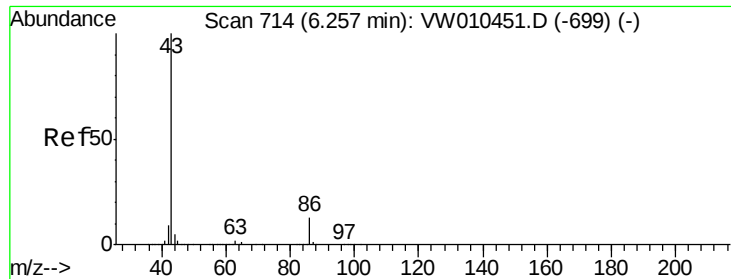
43 51.9 42.9 64.3

87 31.7 24.6 36.8

59 11.8 9.4 14.0

Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 475.499 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW010452.D

Acq: 20 May 2019 16:54

Instrument :

MSVOA_W

ClientSampleID :

VSTDIC100

Tot Ion: 43 Resp: 1421772

Ion Ratio Lower Upper

43 100

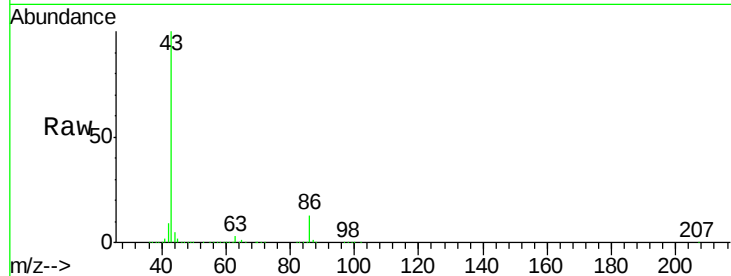
86 12.6 10.3 15.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

400000

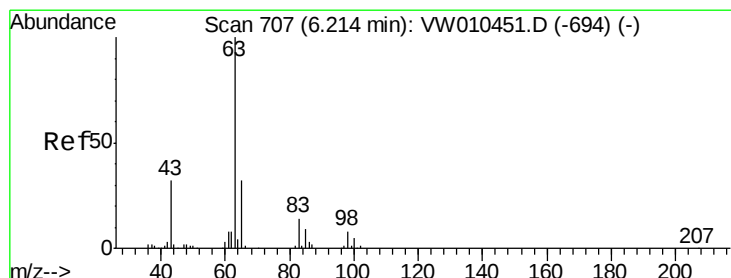
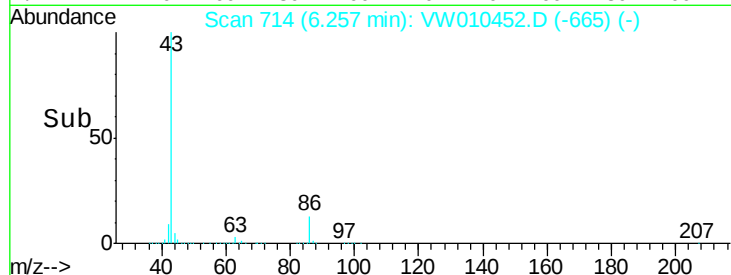
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 96.962 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW010452.D

Acq: 20 May 2019 16:54

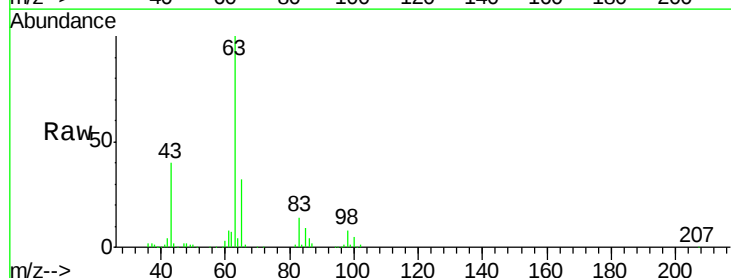
Tgt Ion: 63 Resp: 273927

Ion Ratio Lower Upper

63 100

98 8.4 3.8 11.2

100 5.1 2.5 7.4



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

120000

100000

80000

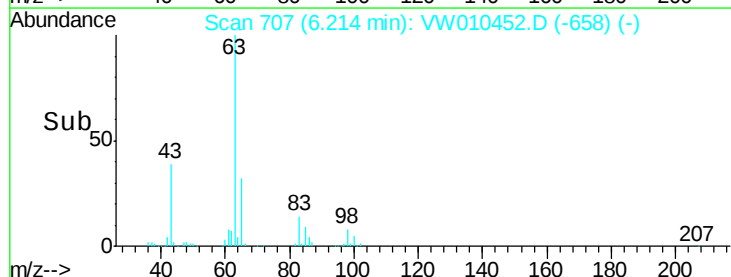
60000

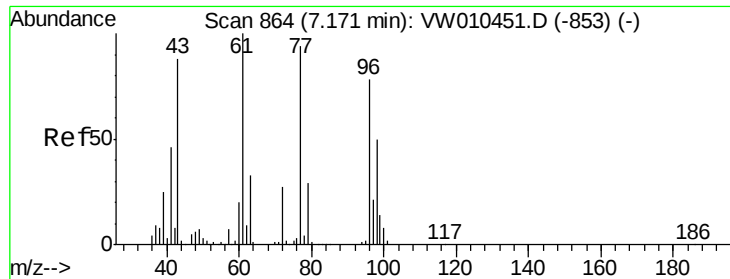
40000

20000

0

Time-->





#25

2-Butanone

Concen: 471.428 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW010452.D

Acq: 20 May 2019 16:54

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion: 43 Resp: 223992

Ion Ratio Lower Upper

43 100

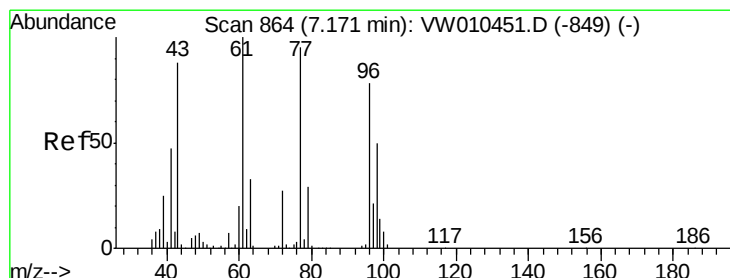
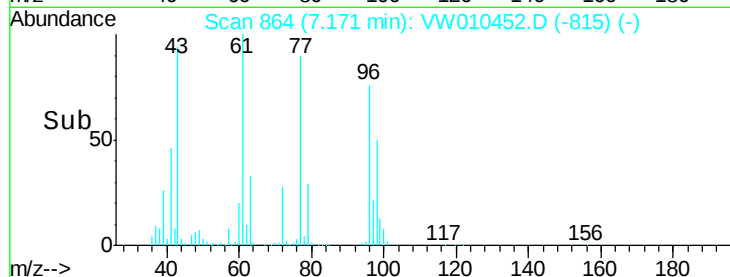
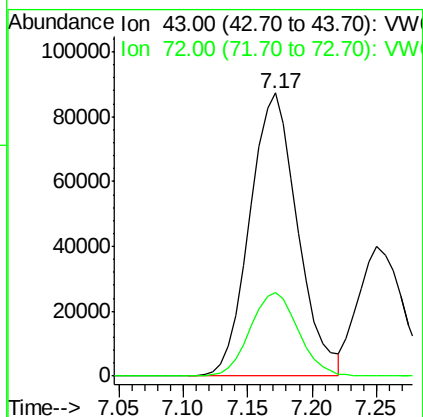
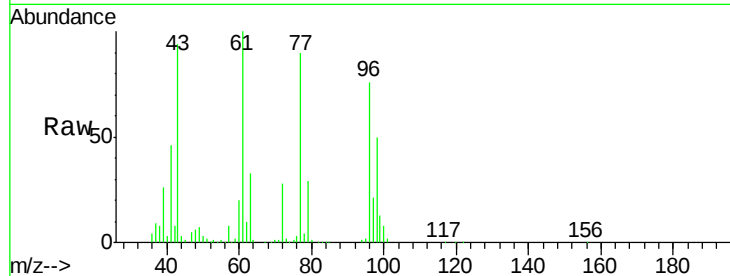
72 29.7 24.1 36.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 97.751 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010452.D

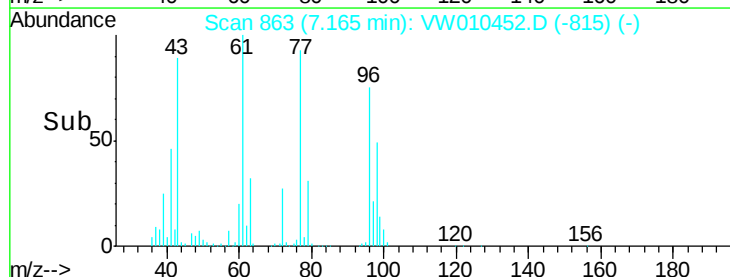
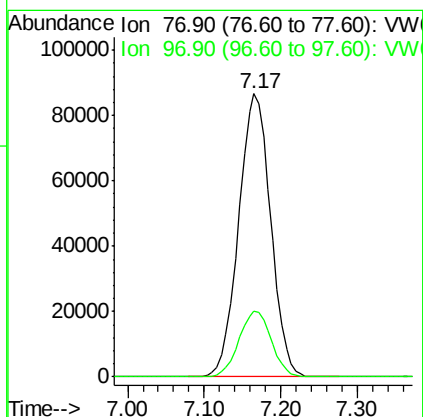
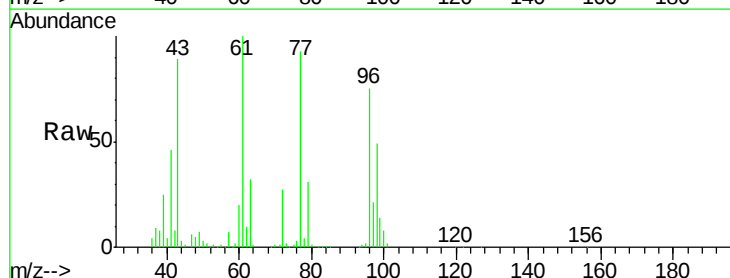
Acq: 20 May 2019 16:54

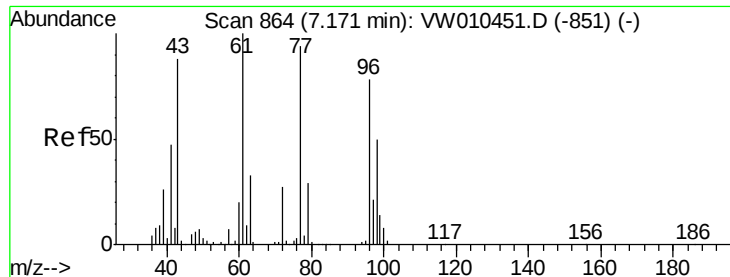
Tgt Ion: 77 Resp: 251533

Ion Ratio Lower Upper

77 100

97 23.4 11.7 35.0





#27

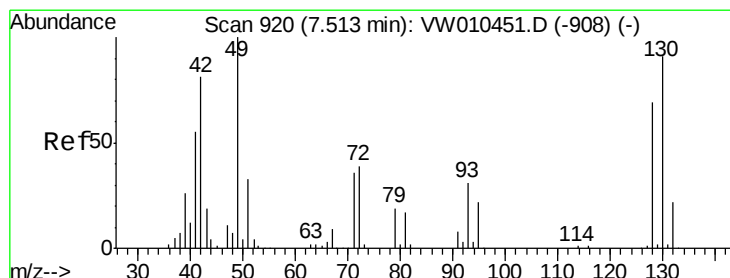
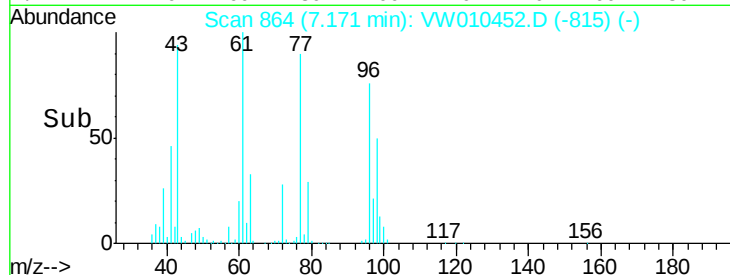
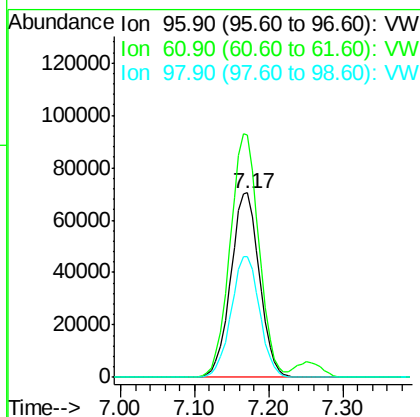
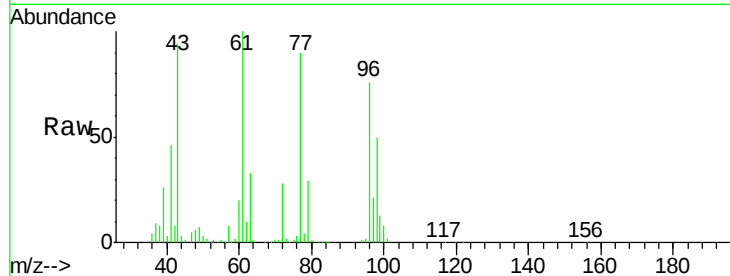
cis-1,2-Dichloroethene
 Concen: 97.964 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW010452.D
 Acq: 20 May 2019 16:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	189433		
61	132.7		0.0	265.4
98	65.4		0.0	129.4

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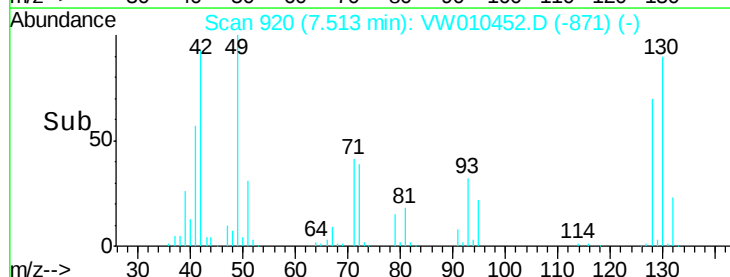
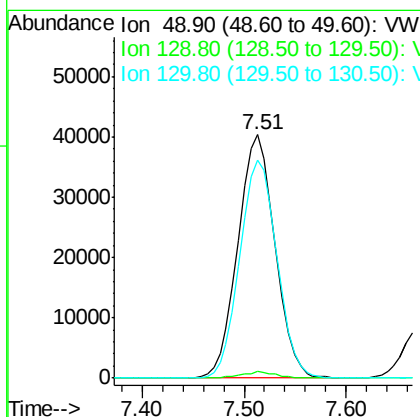
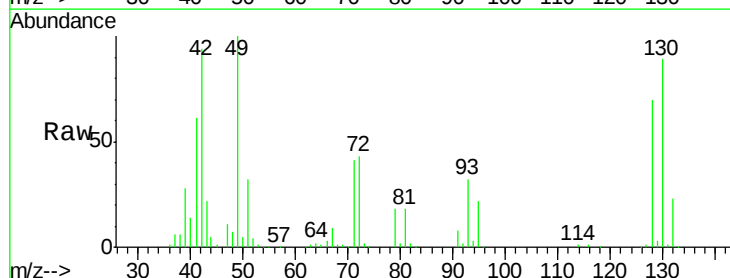
MMDadoda
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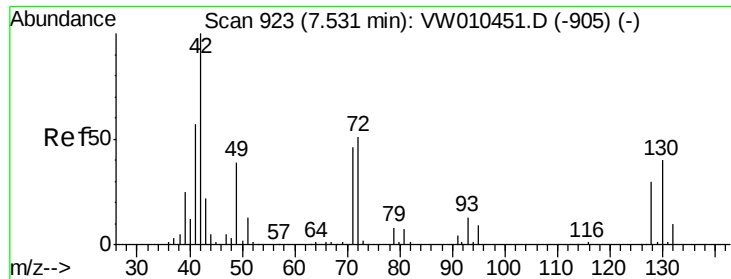


#28

Bromochloromethane
 Concen: 98.118 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW010452.D
 Acq: 20 May 2019 16:54

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	101971		
129	2.5		0.0	4.8
130	90.1		71.2	106.8





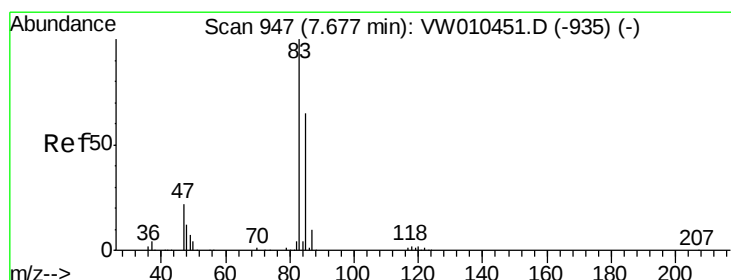
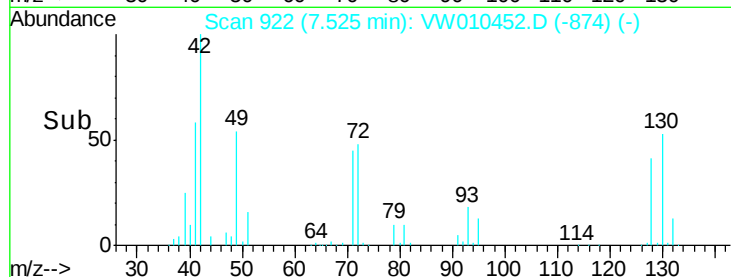
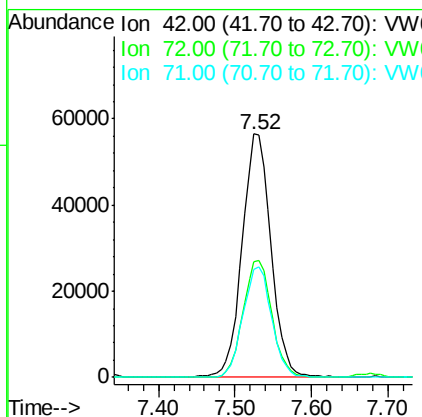
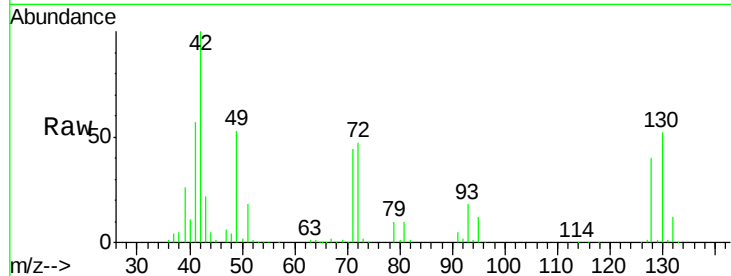
#29
Tetrahydrofuran
Concen: 461.724 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW010452.D
Acq: 20 May 2019 16:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.8	38.5	57.7
71	45.1	36.5	54.7

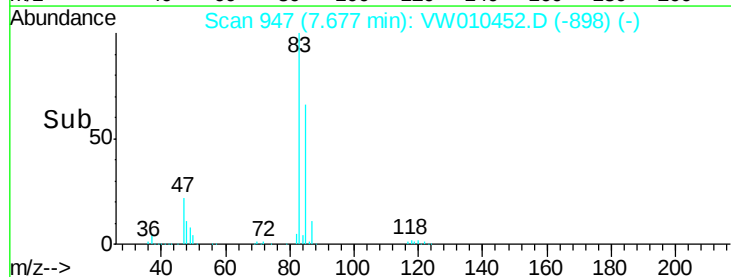
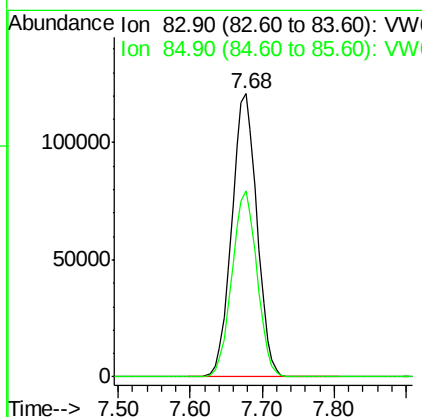
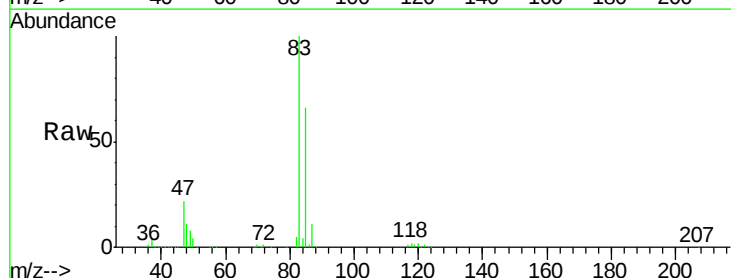
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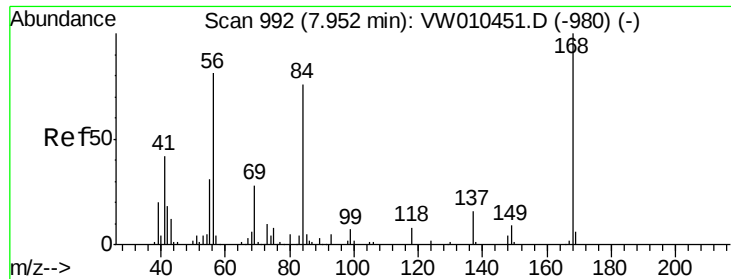
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#30
Chloroform
Concen: 98.649 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW010452.D
Acq: 20 May 2019 16:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.2	78.4





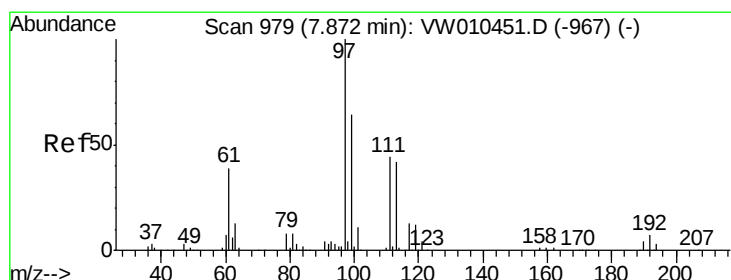
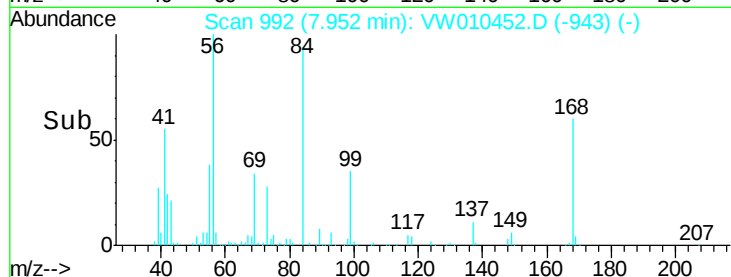
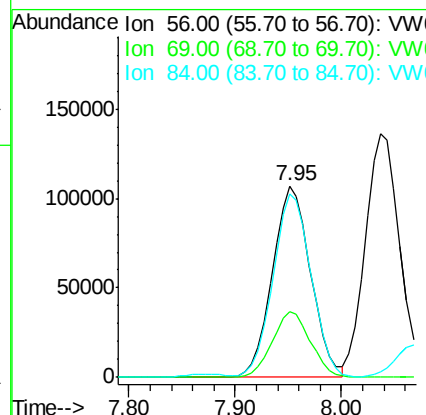
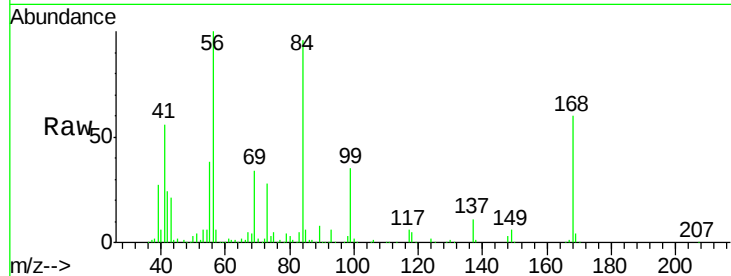
#31
Cyclohexane
Concen: 93.372 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW010452.D
Acq: 20 May 2019 16:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		266424		
69	34.3	28.2	42.2		
84	94.2	75.8	113.8		

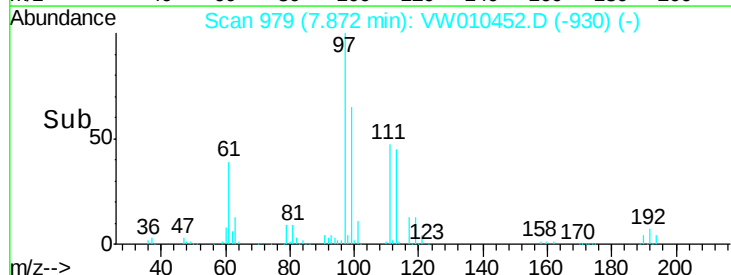
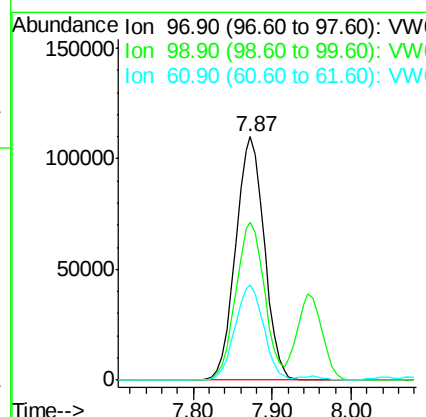
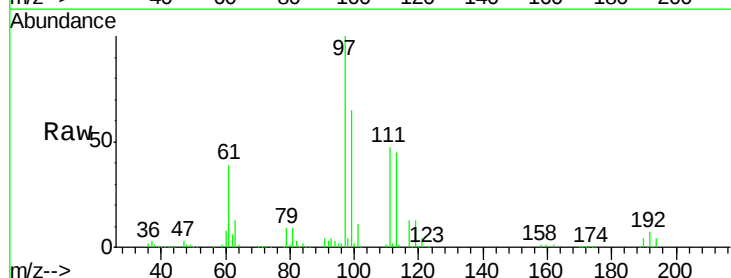
Manual Integrations
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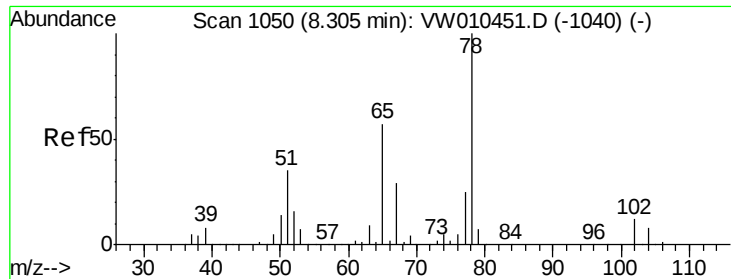
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#32
1,1,1-Trichloroethane
Concen: 98.521 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW010452.D
Acq: 20 May 2019 16:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		276854		
99	65.5	50.8	76.2		
61	39.0	32.1	48.1		





#33

1,2-Dichloroethane-d4

Concen: 95.089 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW010452.D

Acq: 20 May 2019 16:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 65 Resp: 150484

Ion Ratio Lower Upper

65 100

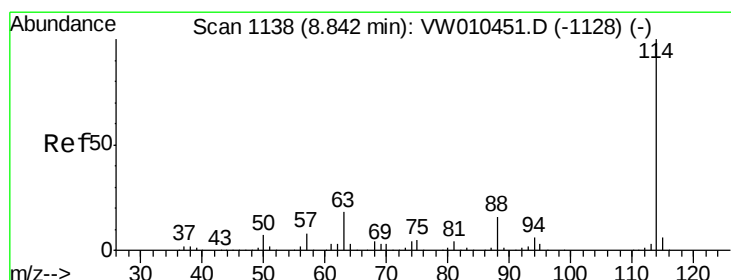
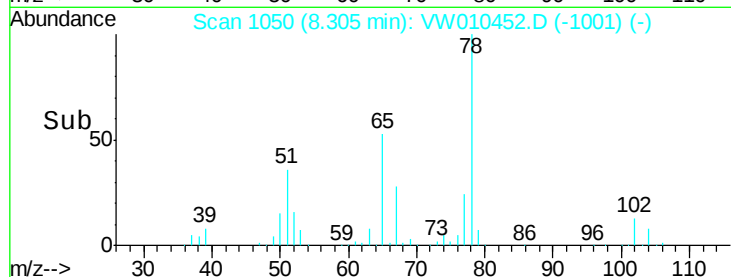
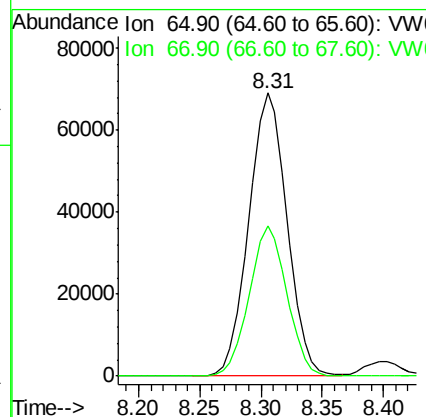
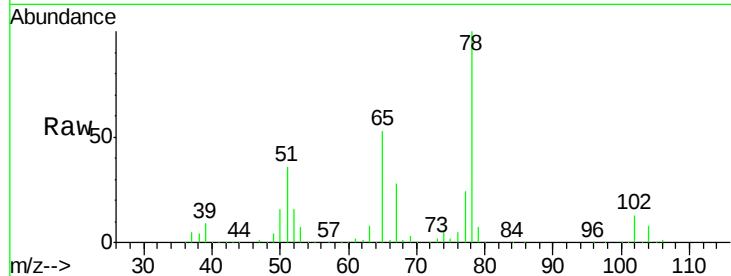
67 52.2 0.0 103.6

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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: VW010452.D

Acq: 20 May 2019 16:54

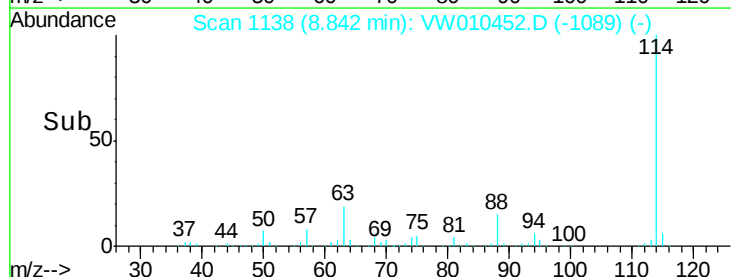
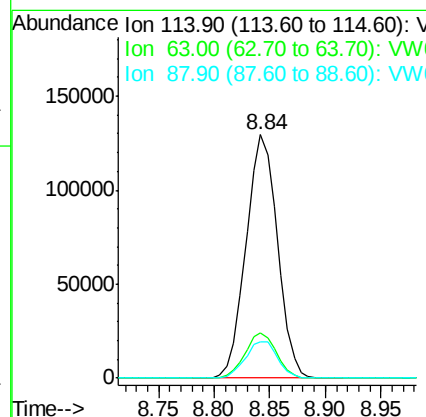
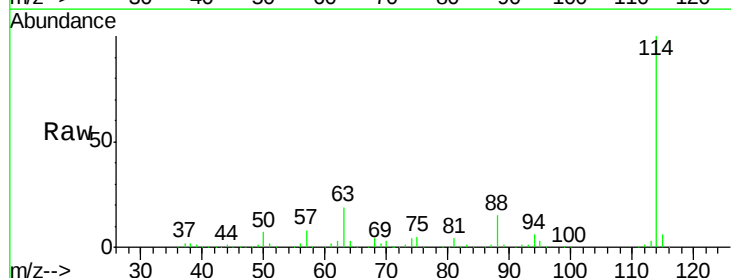
Tgt Ion: 114 Resp: 254668

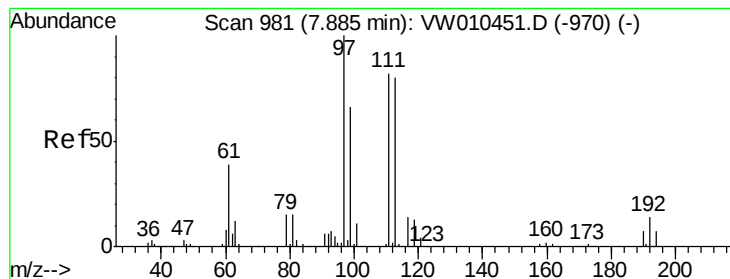
Ion Ratio Lower Upper

114 100

63 18.5 0.0 36.0

88 14.9 0.0 32.0





#35

Dibromofluoromethane

Concen: 100.183 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW010452.D

Acq: 20 May 2019 16:54

Instrument :

MSVOA_W

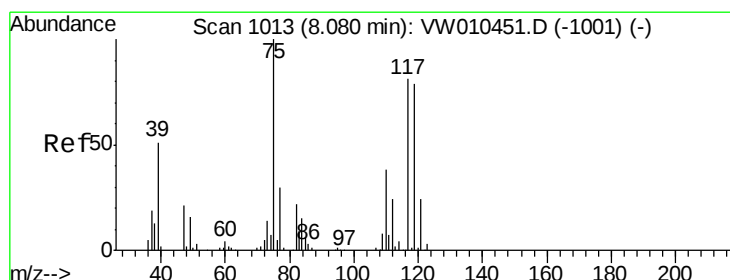
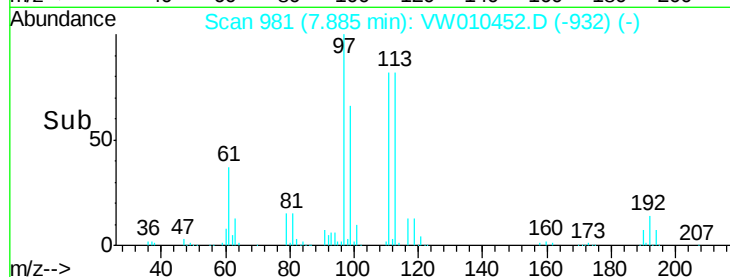
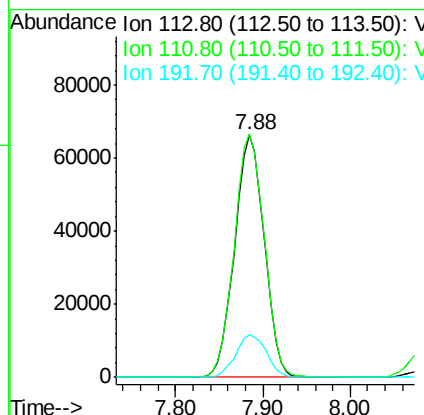
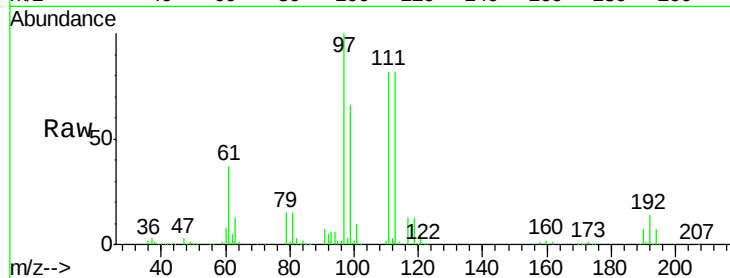
ClientSampleId :

VSTDIC100

Tot Ion:	113	Resp:	156393
Ion Ratio	Lower	Upper	
113	100		
111	101.7	82.2	123.4
192	18.2	14.3	21.5

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#36

1,1-Dichloropropene

Concen: 99.900 ug/l

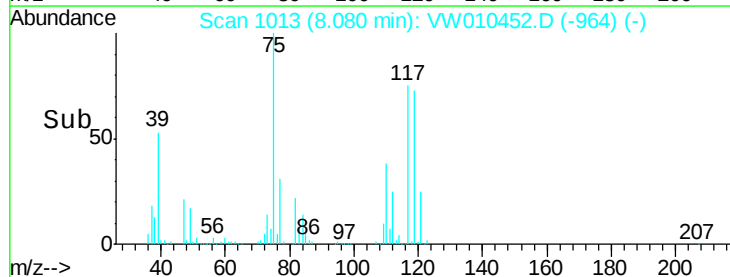
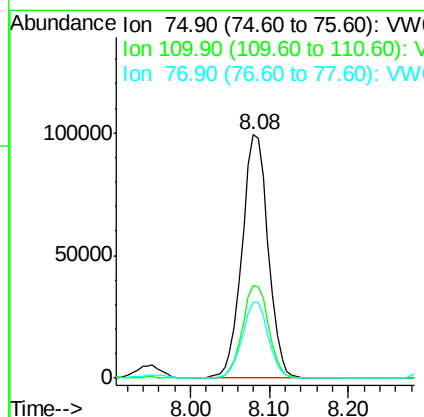
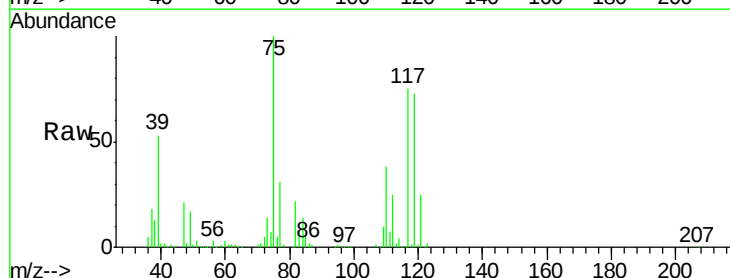
RT: 8.08 min Scan# 1013

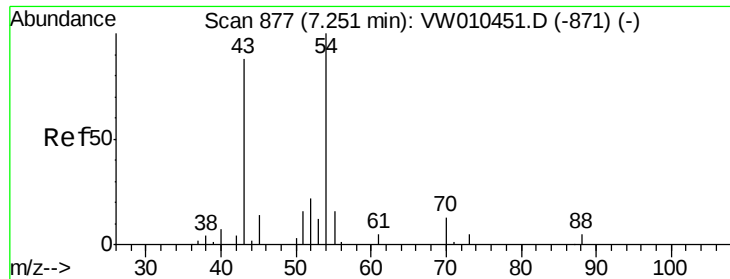
Delta R.T. 0.00 min

Lab File: VW010452.D

Acq: 20 May 2019 16:54

Tgt Ion:	75	Resp:	229123
Ion Ratio	Lower	Upper	
75	100		
110	38.3	19.2	57.6
77	31.4	25.2	37.8





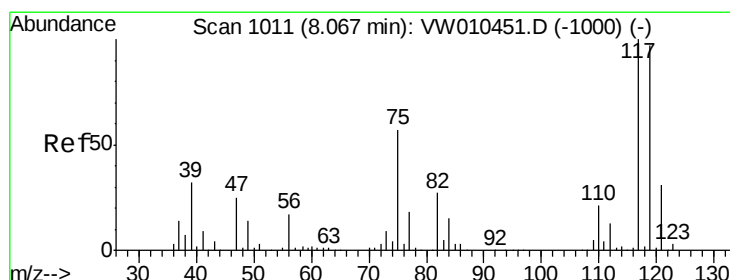
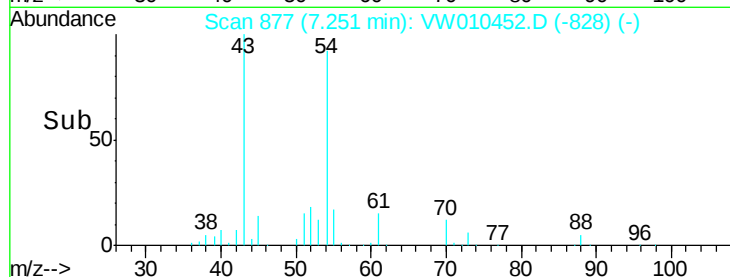
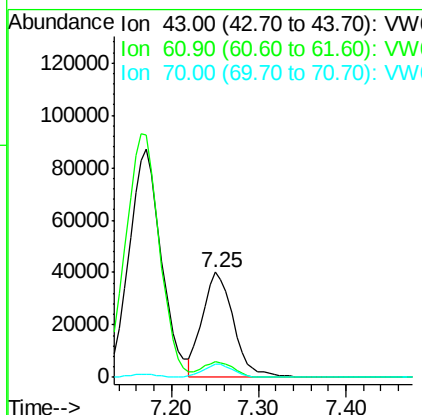
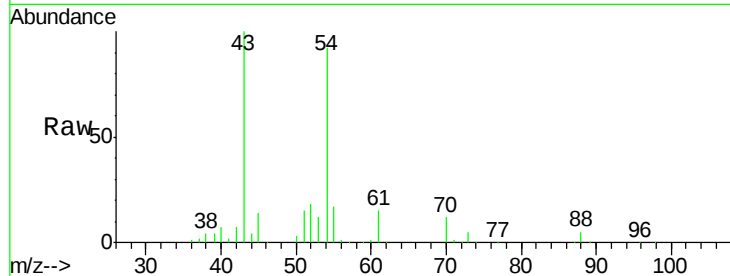
#37
Ethyl Acetate
Concen: 92.131 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW010452.D
Acq: 20 May 2019 16:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	11.2	16.8
70	12.5	9.9	14.9

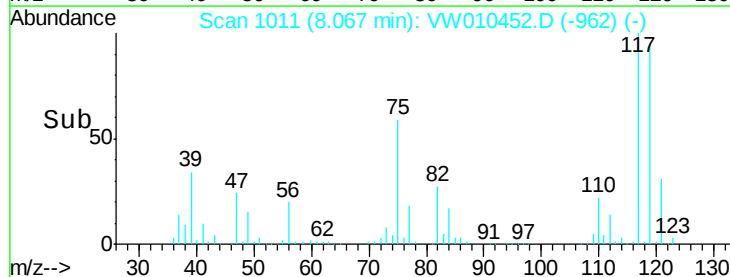
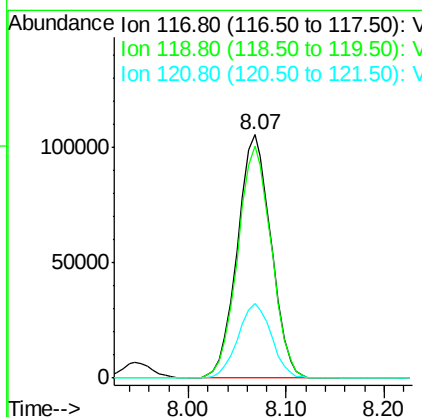
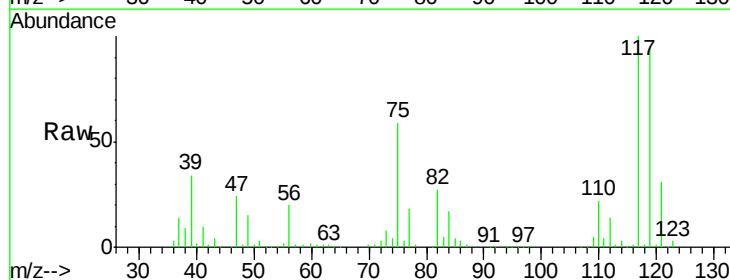
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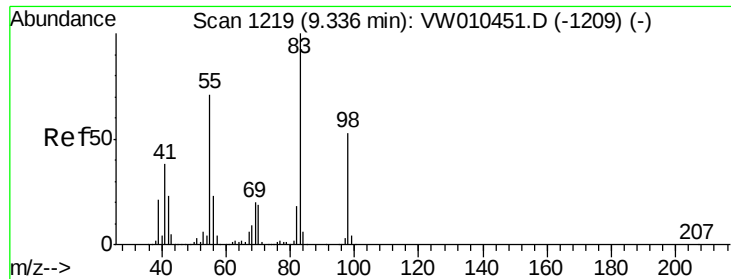
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#38
Carbon Tetrachloride
Concen: 101.781 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW010452.D
Acq: 20 May 2019 16:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.3	77.4	116.0
121	30.6	25.0	37.6





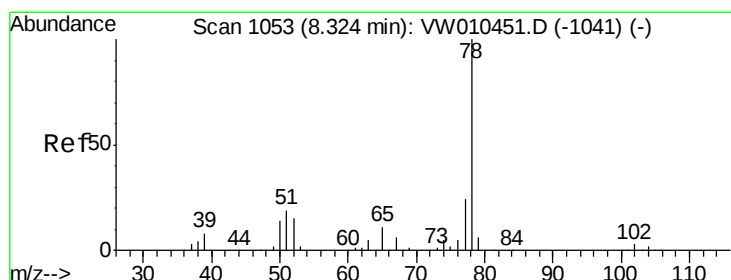
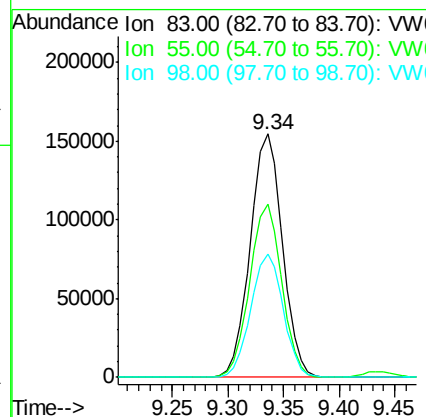
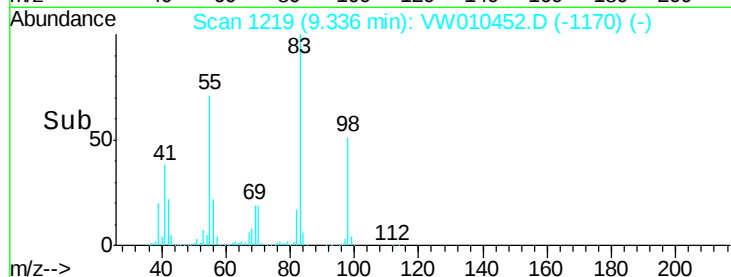
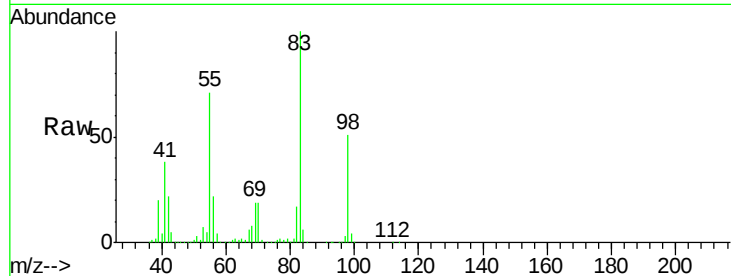
#39
Methvlcvclohexane
Concen: 101.542 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW010452.D
Acq: 20 May 2019 16:54

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.2	57.0	85.6
98	50.8	42.0	63.0

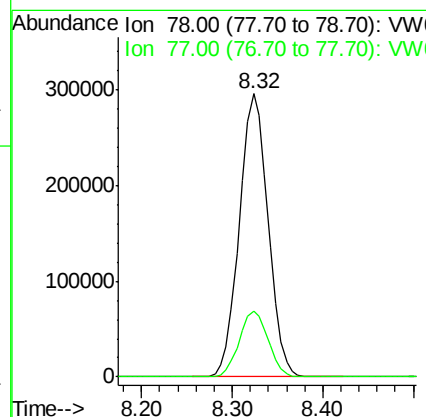
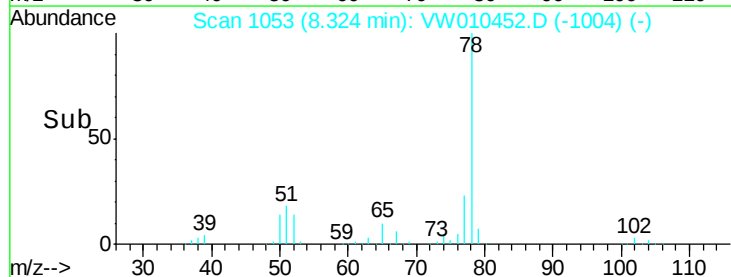
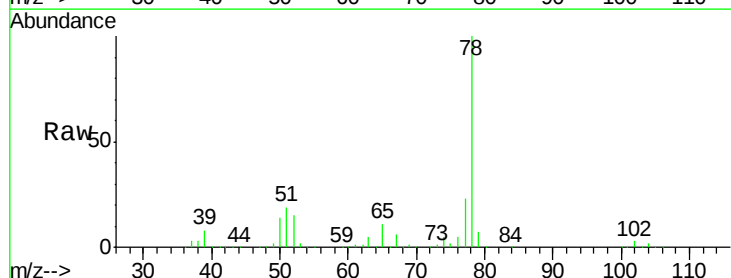
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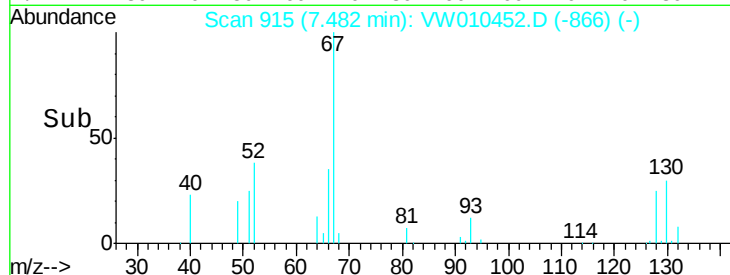
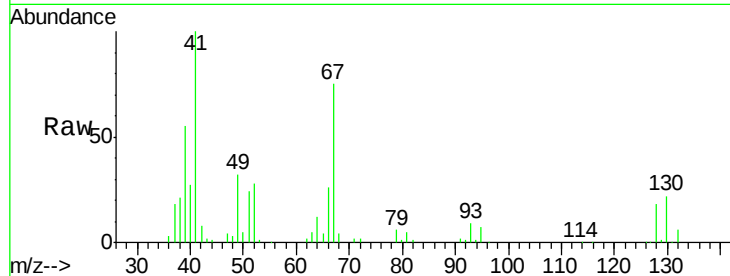
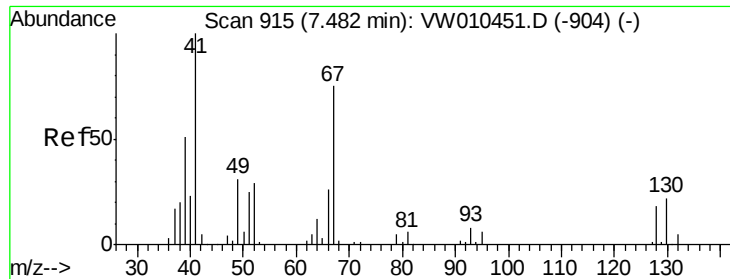
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#40
Benzene
Concen: 99.419 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW010452.D
Acq: 20 May 2019 16:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.9	28.3





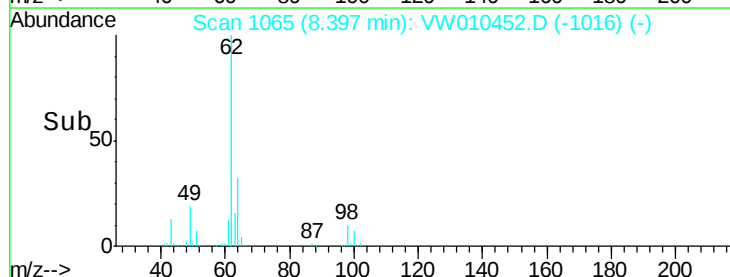
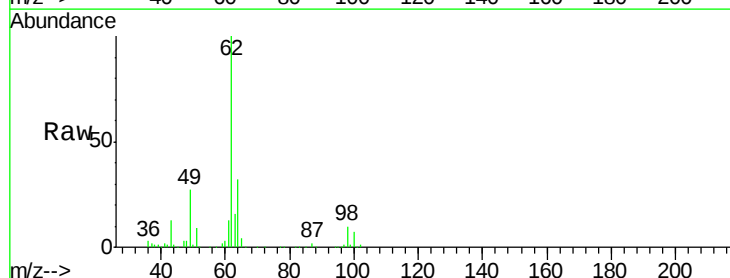
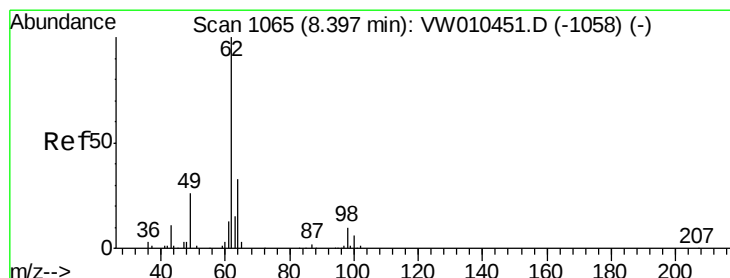
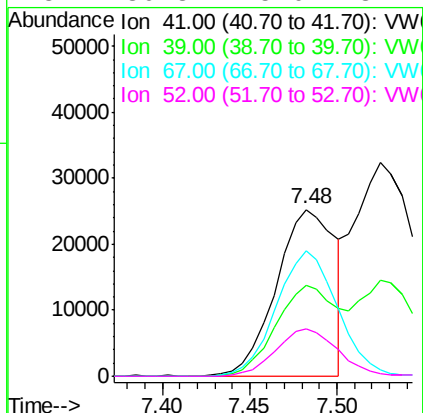
#41
Methacrylonitrile
Concen: 94.823 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW010452.D
Acq: 20 May 2019 16:54

Tot Ion	41	Resp	59231
Ion	Ratio	Lower	Upper
41	100		
39	59.8	47.4	71.2
67	78.6	65.5	98.3
52	30.3	25.0	37.4

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

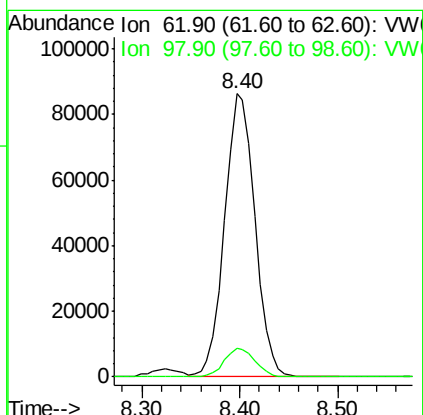
Manual Integrations
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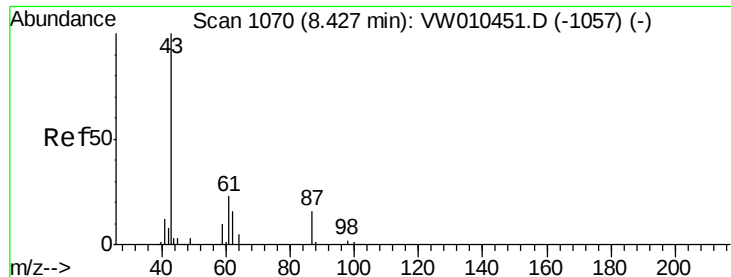
MMDadoda
5/21/2019 11:28:49 AM



#42
1,2-Dichloroethane
Concen: 96.426 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW010452.D
Acq: 20 May 2019 16:54

Tgt Ion	62	Resp	185477
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	21.0





#43

Isopropyl Acetate

Concen: 92.820 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW010452.D

Acq: 20 May 2019 16:54

Instrument :

MSVOA_W

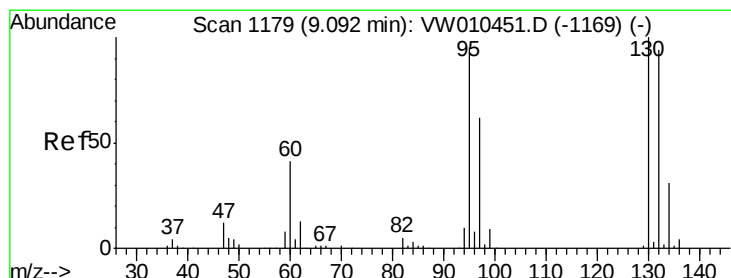
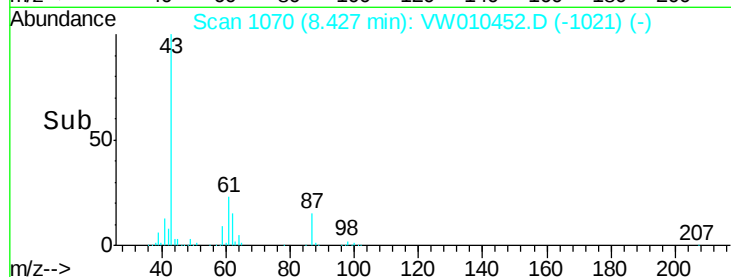
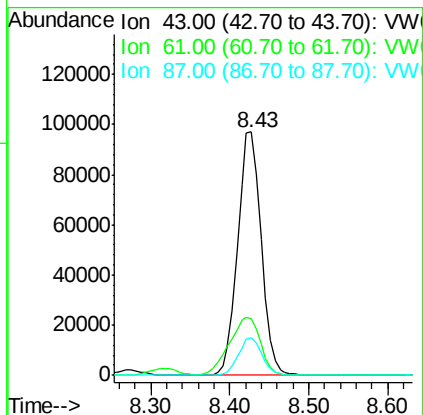
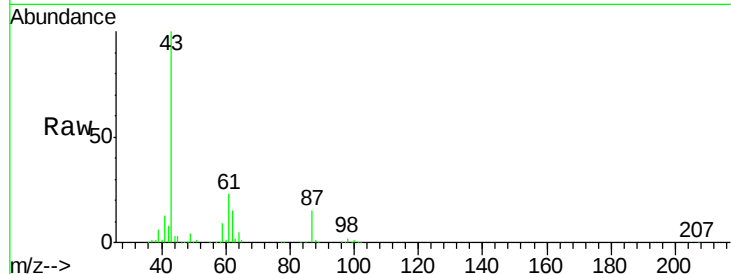
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	201466
Ion	Ratio	Lower	Upper
43	100		
61	31.4	25.4	38.2
87	15.3	12.7	19.1

Manual Integrations
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#44

Trichloroethene

Concen: 102.281 ug/l

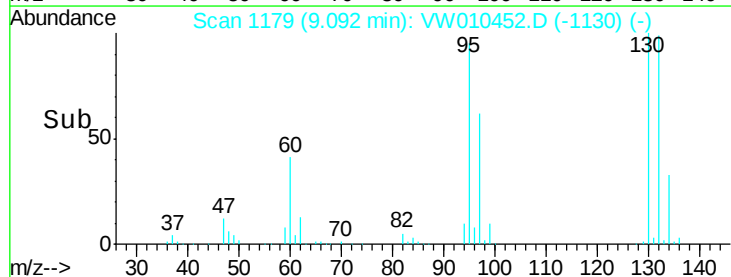
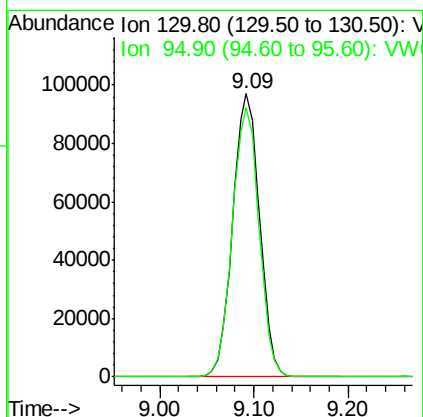
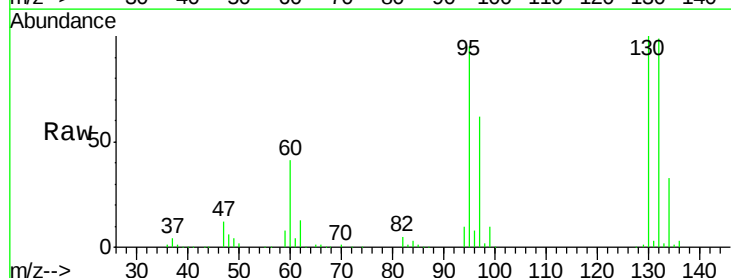
RT: 9.09 min Scan# 1179

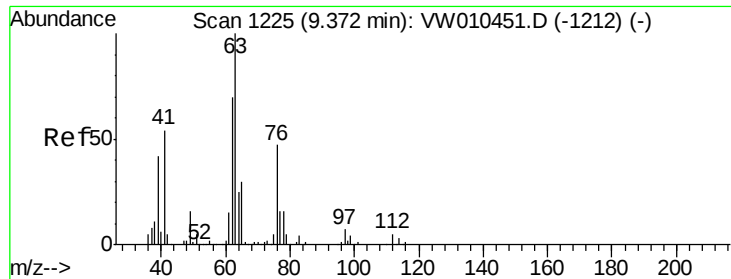
Delta R.T. 0.00 min

Lab File: VW010452.D

Acq: 20 May 2019 16:54

Tgt Ion:	130	Resp:	191942
Ion	Ratio	Lower	Upper
130	100		
95	95.1	0.0	189.6





#45

1,2-Dichloropropane

Concen: 97.984 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VW010452.D

Acq: 20 May 2019 16:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 155197

Ion Ratio Lower Upper

63 100

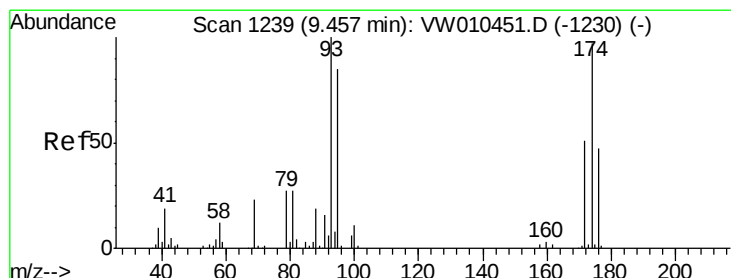
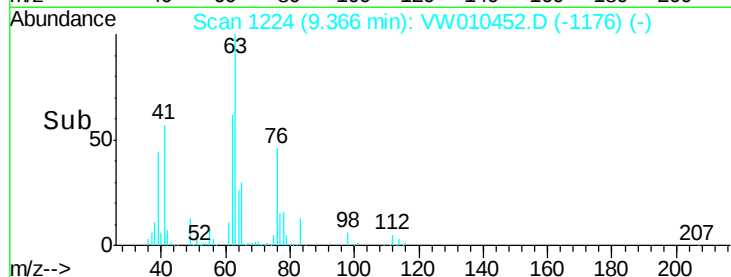
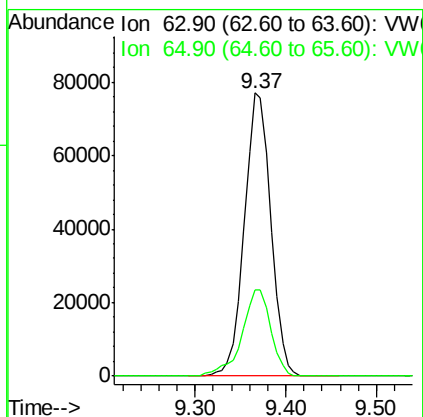
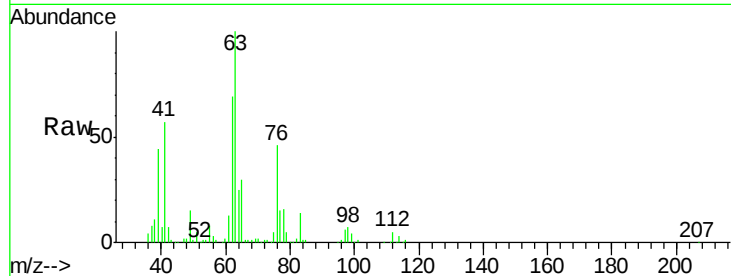
65 30.4 24.3 36.5

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#46

Dibromomethane

Concen: 99.446 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW010452.D

Acq: 20 May 2019 16:54

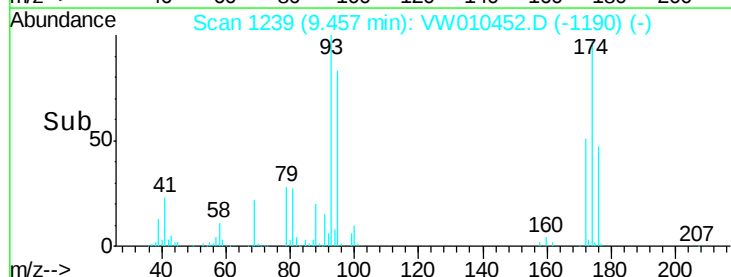
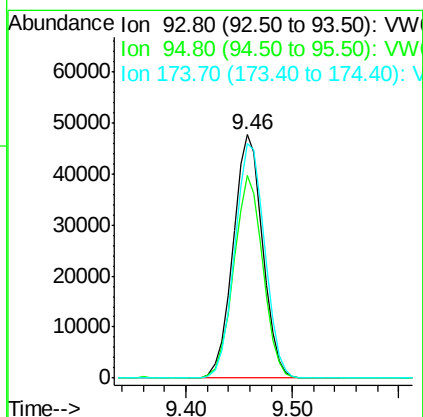
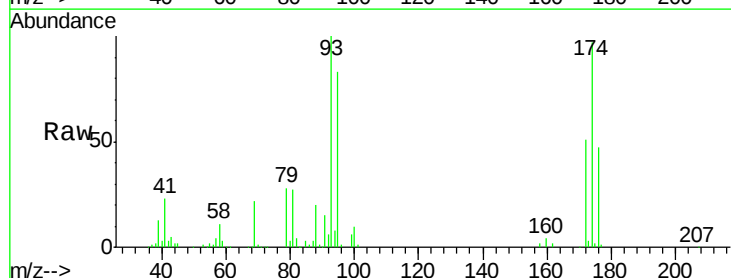
Tgt Ion: 93 Resp: 92687

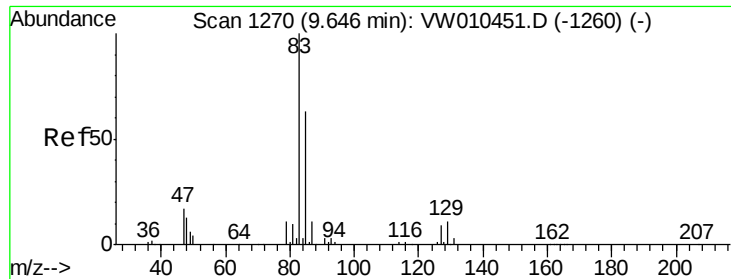
Ion Ratio Lower Upper

93 100

95 82.2 66.1 99.1

174 98.4 77.1 115.7





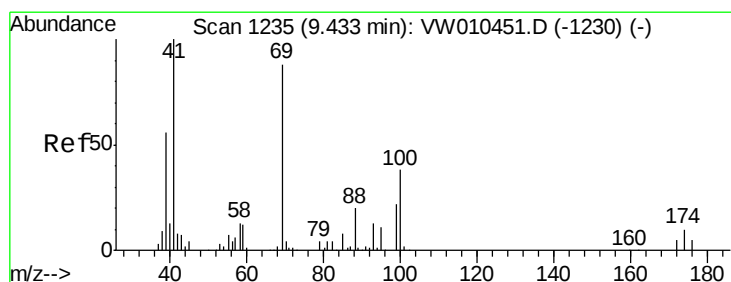
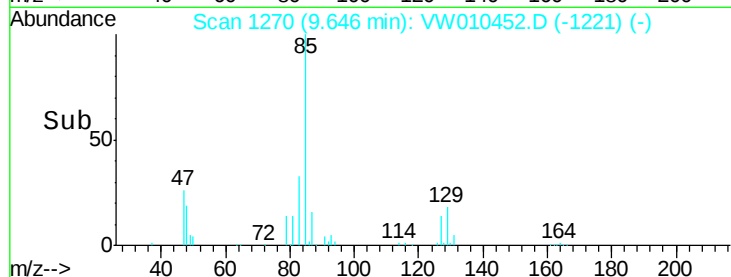
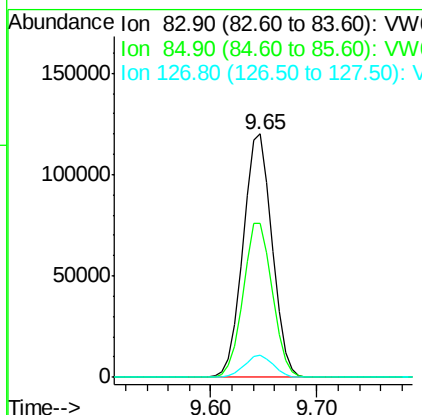
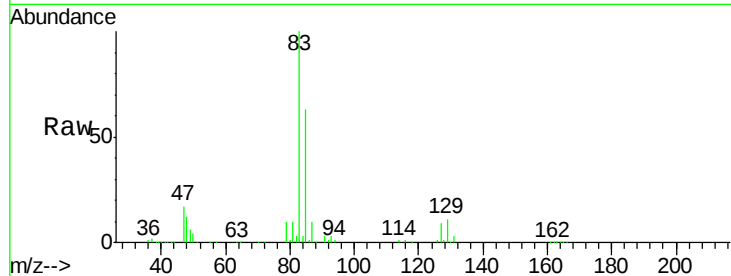
#47
Bromodichloromethane
Concen: 98.722 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW010452.D
Acq: 20 May 2019 16:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100	229704		
85	63.3		50.4	75.6
127	8.9		7.4	11.0

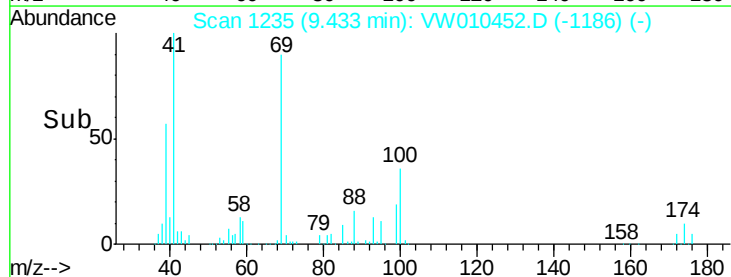
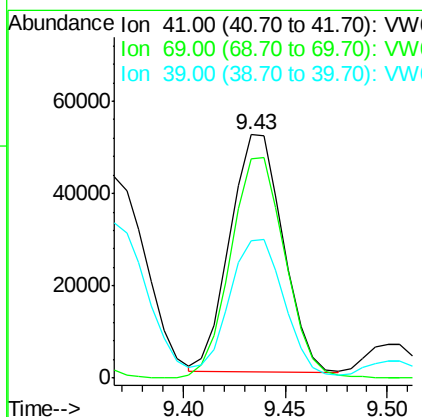
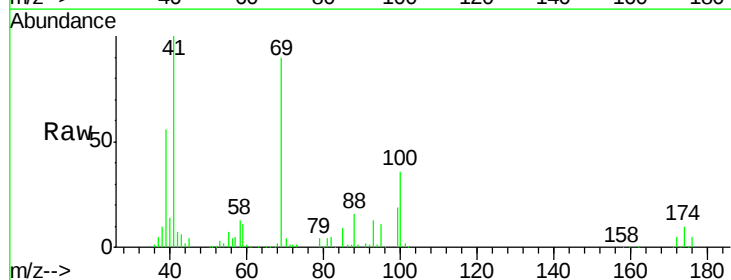
Manual Integrations
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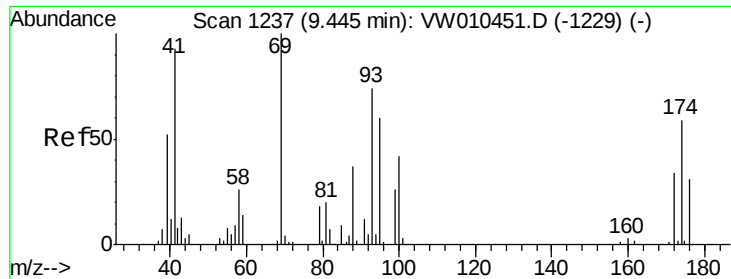
MMDadoda
5/21/2019 11:28:49 AM



#48
Methyl methacrylate
Concen: 92.503 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW010452.D
Acq: 20 May 2019 16:54

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	92804		
69	95.5		77.6	116.4
39	58.5		49.8	74.8





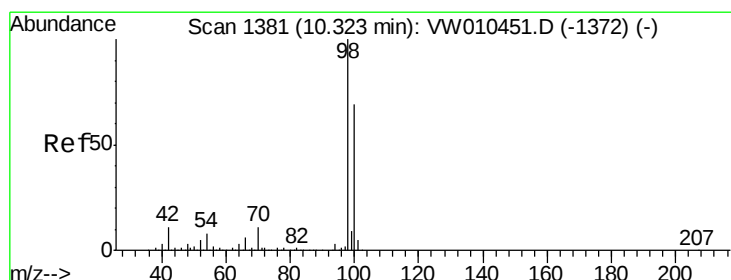
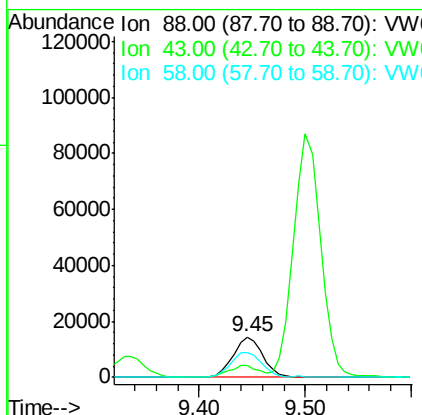
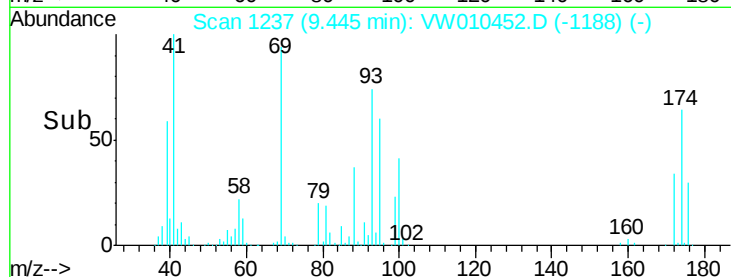
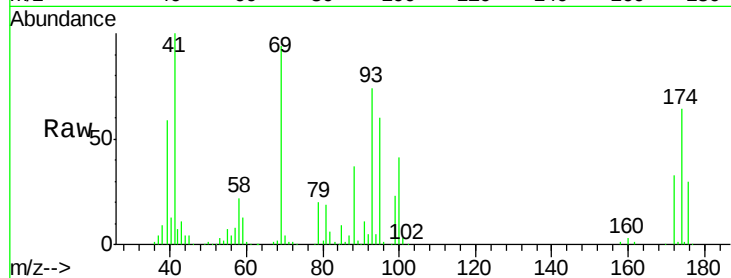
#49
1,4-Dioxane
Concen: 2051.313 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW010452.D
Acq: 20 May 2019 16:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.0	25.9	38.9
58	64.8	52.7	79.1

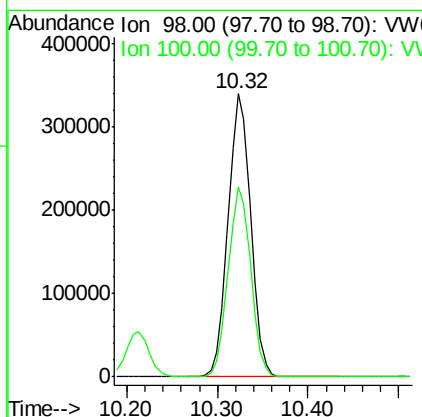
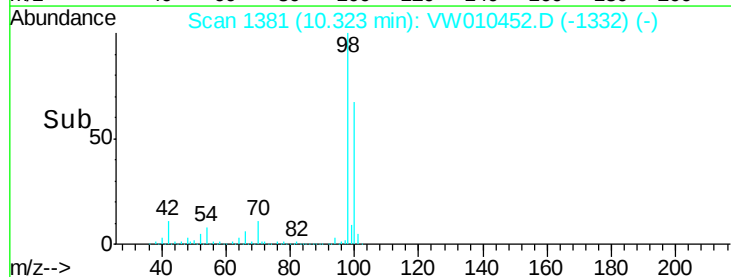
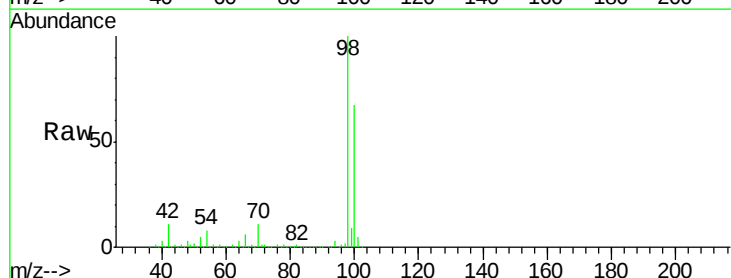
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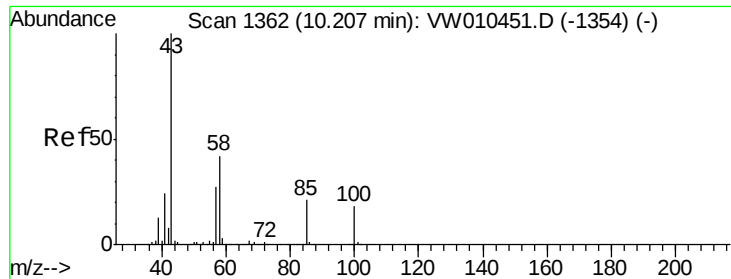
MMDadoda
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#50
Toluene-d8
Concen: 100.706 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW010452.D
Acq: 20 May 2019 16:54

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.2	53.7	80.5





#51

4-Methyl-2-Pentanone

Concen: 459.220 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW010452.D

Acq: 20 May 2019 16:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 510556

Ion Ratio Lower Upper

43 100

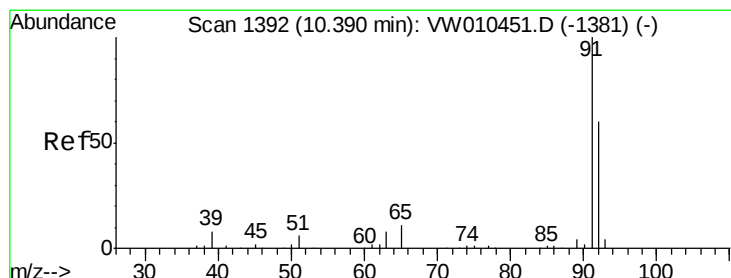
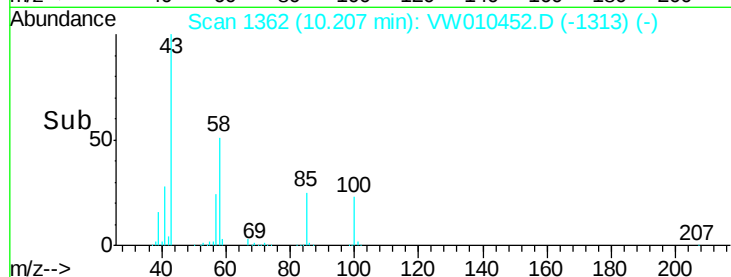
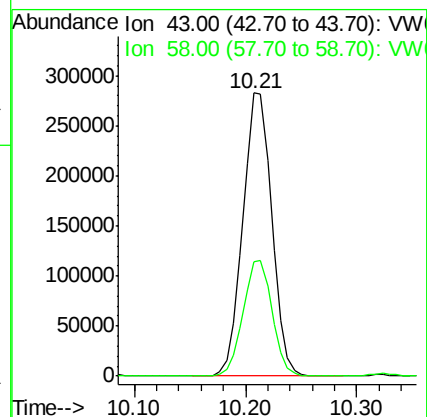
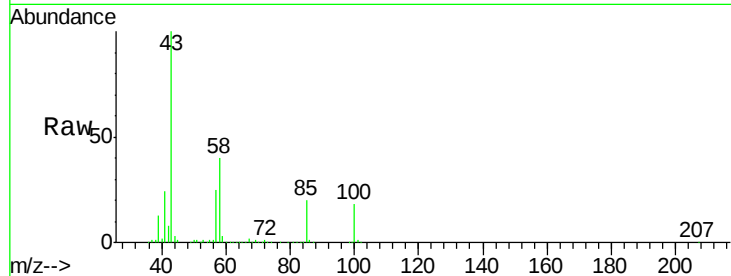
58 41.0 33.2 49.8

Manual Integrations

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#52

Toluene

Concen: 100.422 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW010452.D

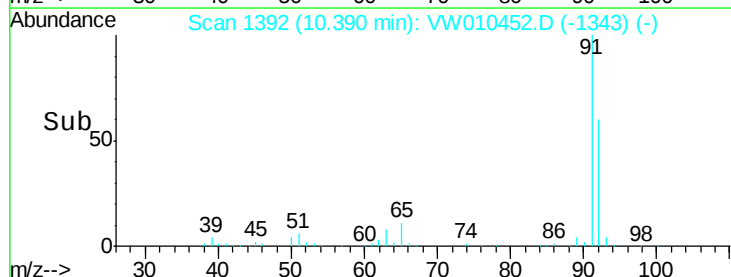
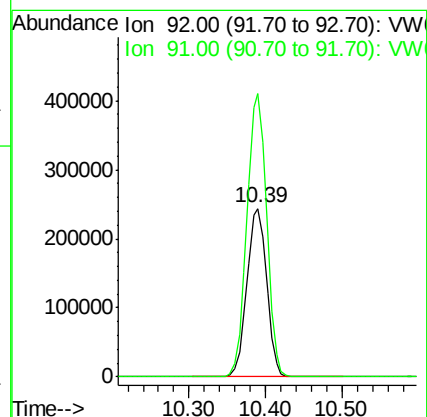
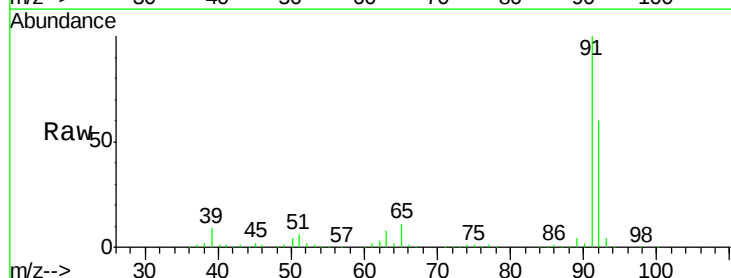
Acq: 20 May 2019 16:54

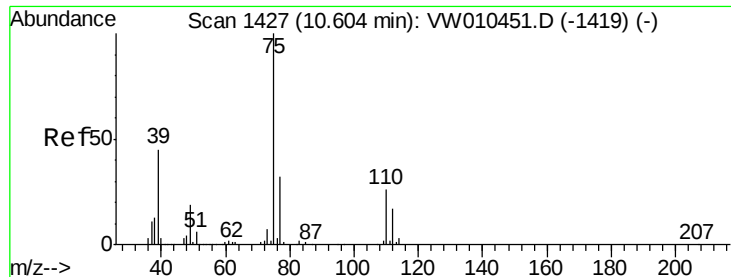
Tgt Ion: 92 Resp: 435209

Ion Ratio Lower Upper

92 100

91 168.1 135.4 203.0





#53

t-1,3-Dichloropropene

Concen: 97.582 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW010452.D

Acq: 20 May 2019 16:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 233257

Ion Ratio Lower Upper

75 100

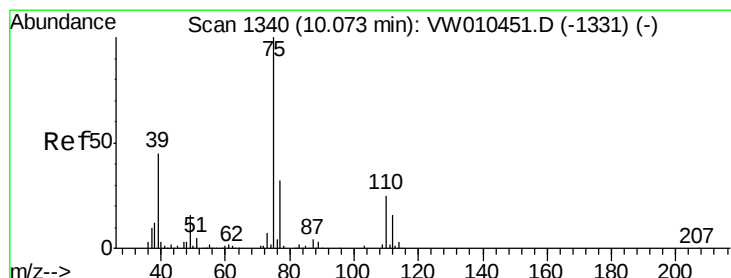
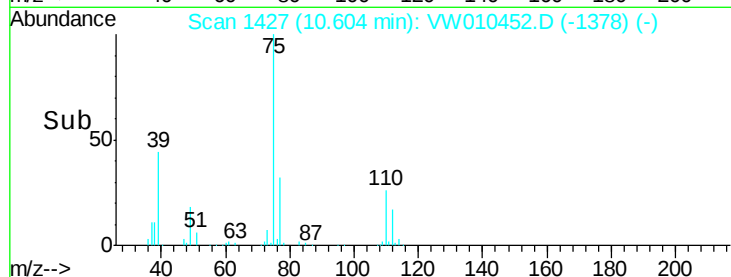
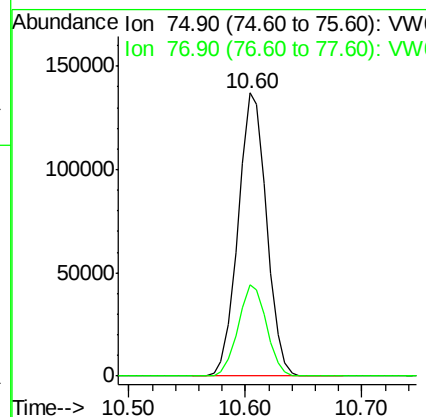
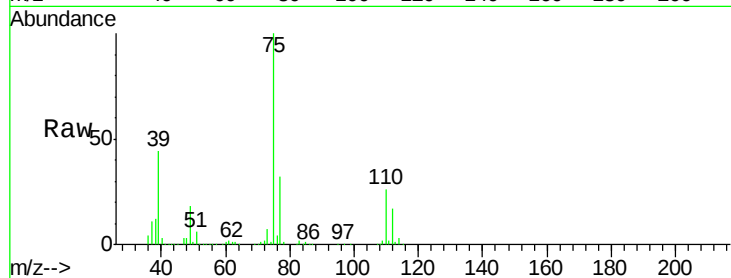
77 32.2 25.4 38.0

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 98.393 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW010452.D

Acq: 20 May 2019 16:54

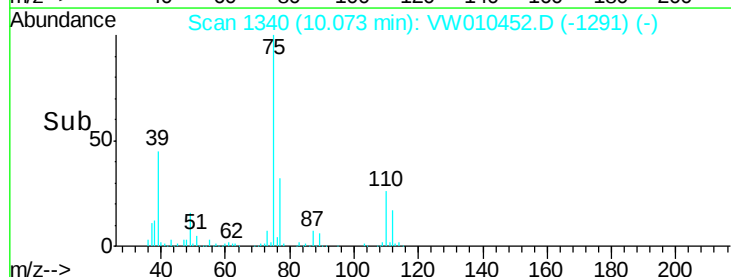
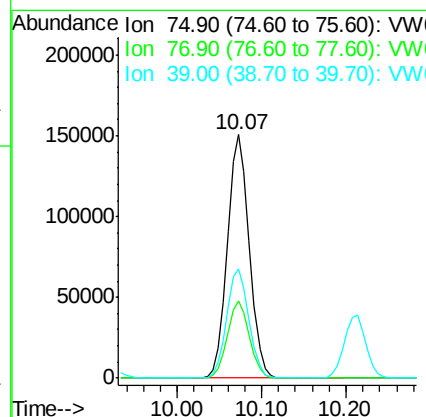
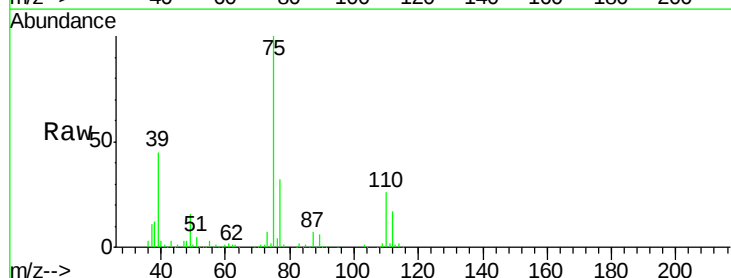
Tgt Ion: 75 Resp: 267441

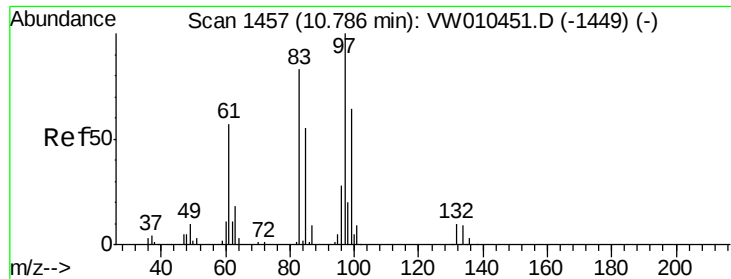
Ion Ratio Lower Upper

75 100

77 31.6 25.7 38.5

39 44.7 36.2 54.4





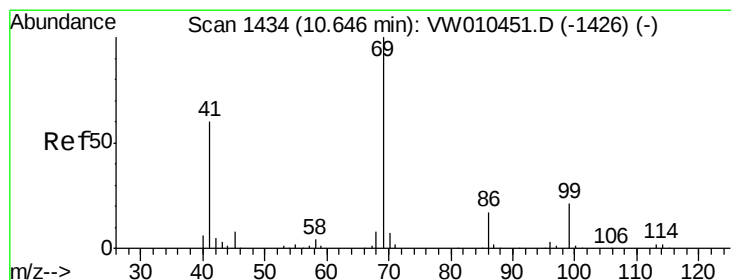
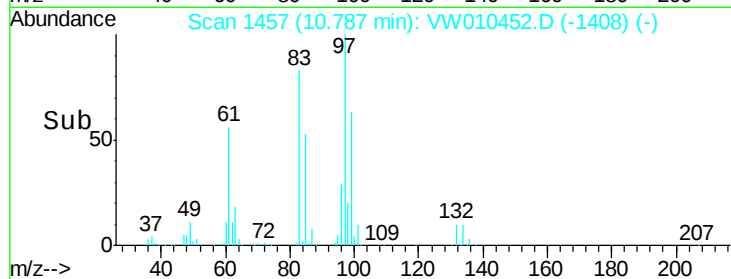
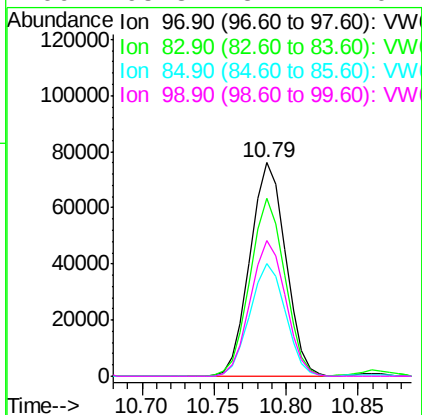
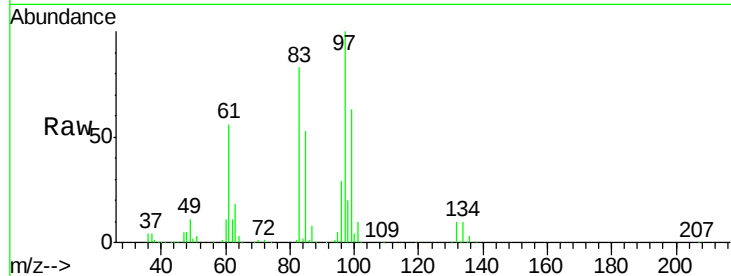
#55
 1,1,2-Trichloroethane
 Concen: 97.043 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW010452.D
 Acq: 20 May 2019 16:54

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
97	100	130466		
83	83.1	66.1	99.1	
85	52.8	44.2	66.4	
99	63.3	51.1	76.7	

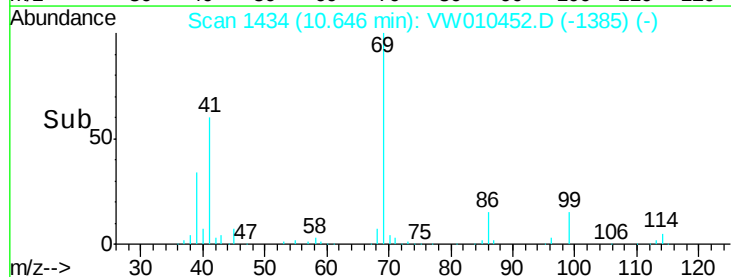
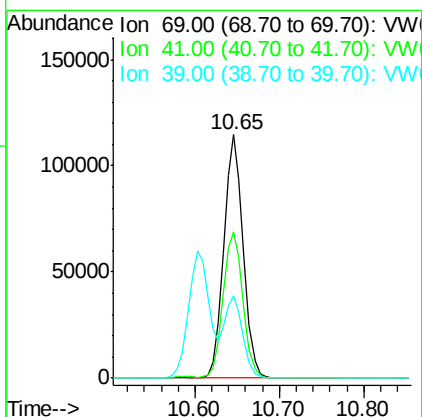
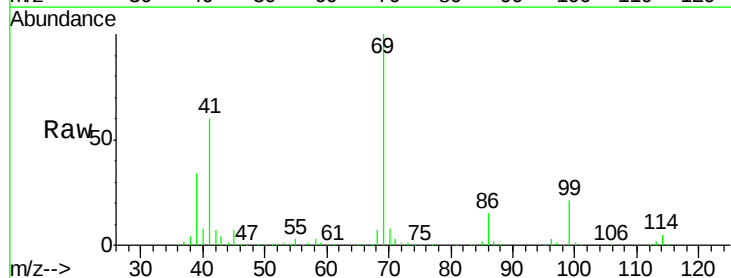
Manual Integrations
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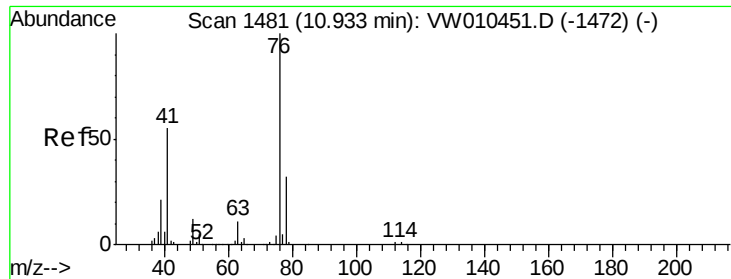
MMDadoda
 5/21/2019 11:28:49 AM



#56
 Ethyl methacrylate
 Concen: 96.266 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW010452.D
 Acq: 20 May 2019 16:54

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	180728		
41	61.0	47.7	71.5	
39	31.6	25.3	37.9	





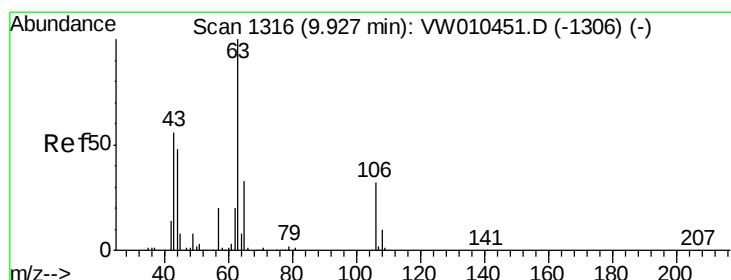
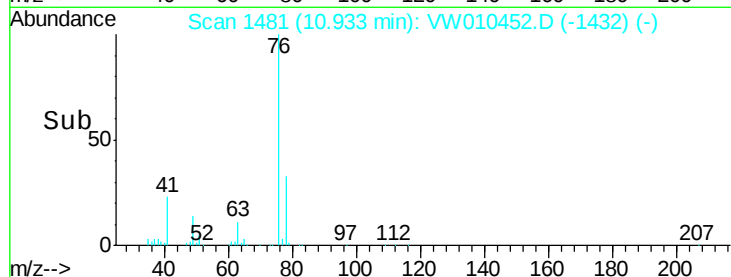
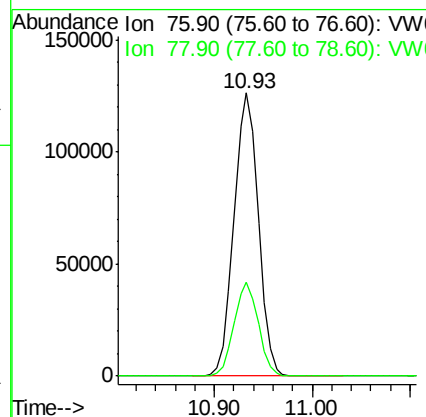
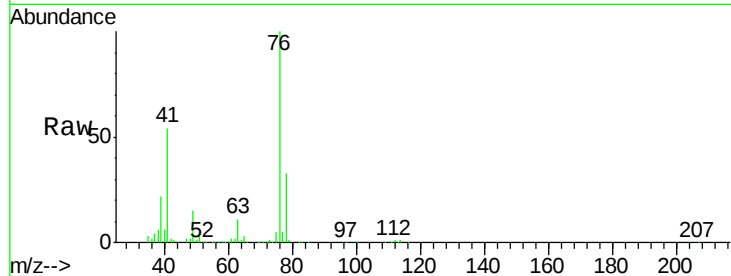
#57
 1,3-Dichloropropane
 Concen: 96.577 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW010452.D
 Acq: 20 May 2019 16:54

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tot Ion: 76 Resp: 217939
 Ion Ratio Lower Upper
 76 100
 78 32.9 26.2 39.2

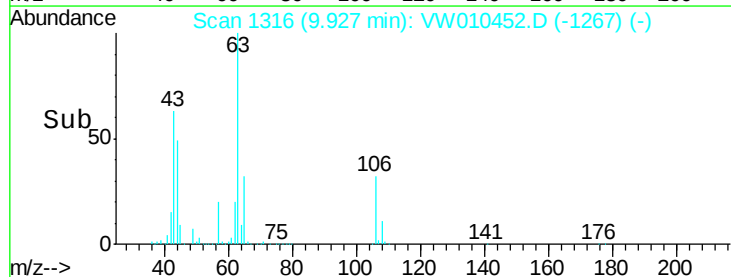
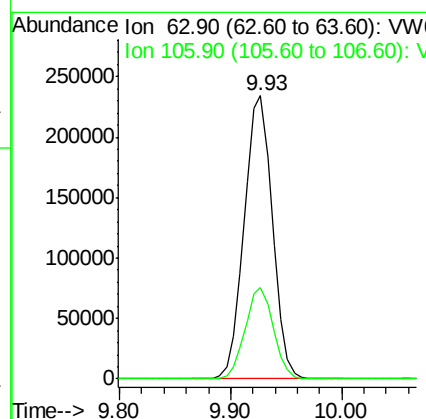
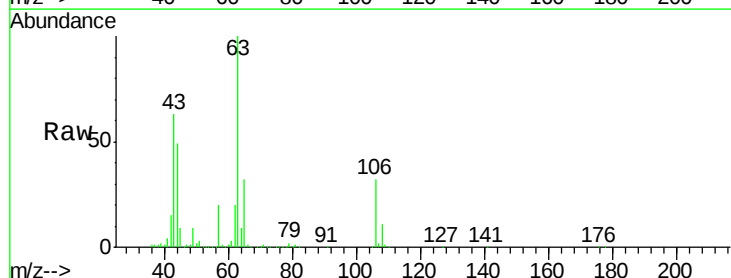
Manual Integrations
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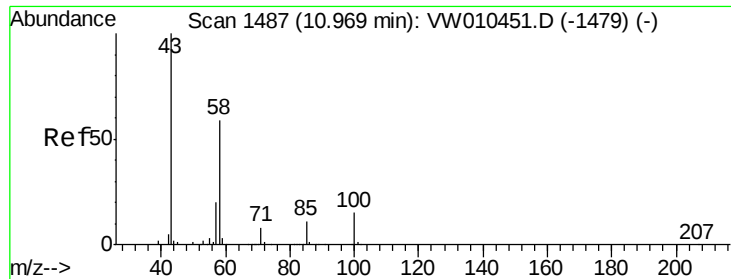
MMDadoda
 5/21/2019 11:28:49 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 469.569 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW010452.D
 Acq: 20 May 2019 16:54

Tgt Ion: 63 Resp: 410541
 Ion Ratio Lower Upper
 63 100
 106 32.4 25.8 38.6





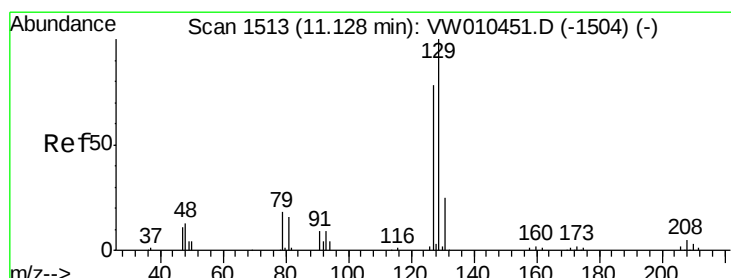
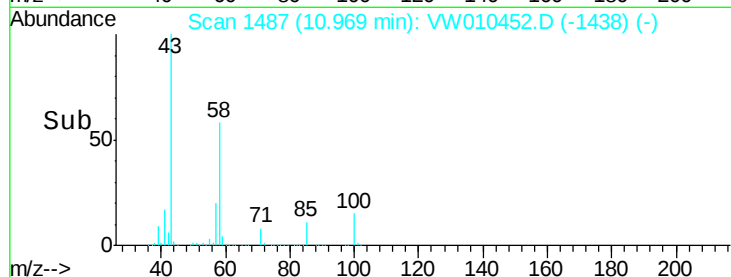
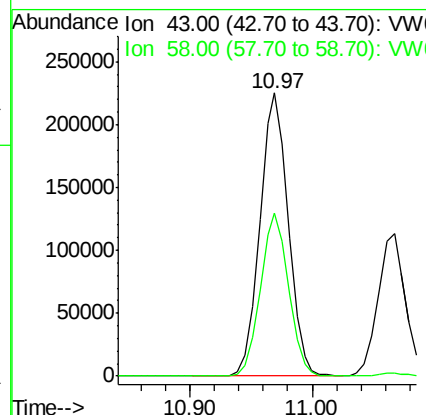
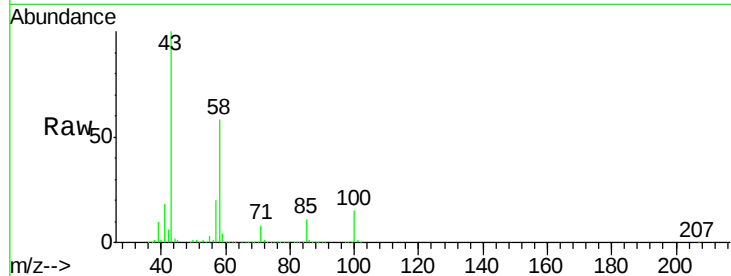
#59
2-Hexanone
Concen: 467.913 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW010452.D
Acq: 20 May 2019 16:54

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion: 43 Resp: 363377
Ion Ratio Lower Upper
43 100
58 57.1 28.9 86.8

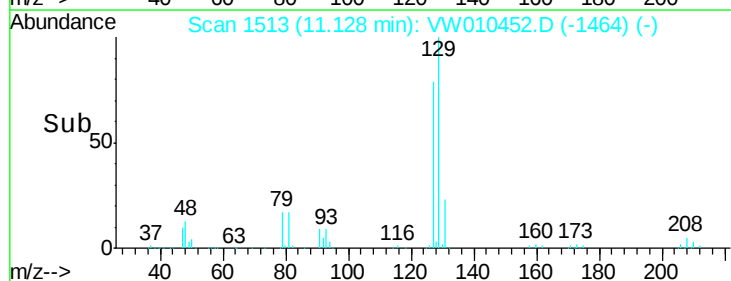
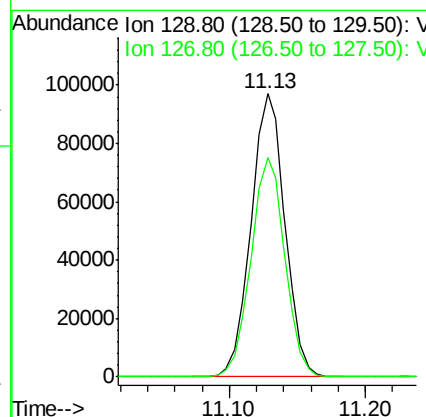
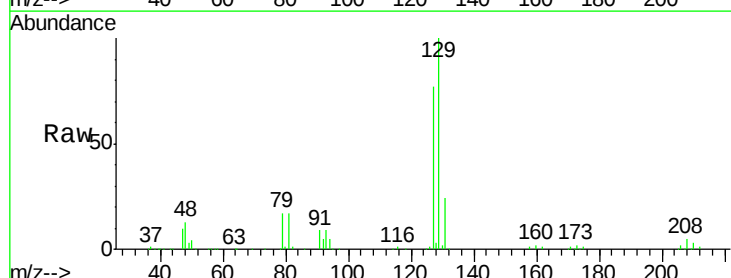
Manual Integrations
APPROVED

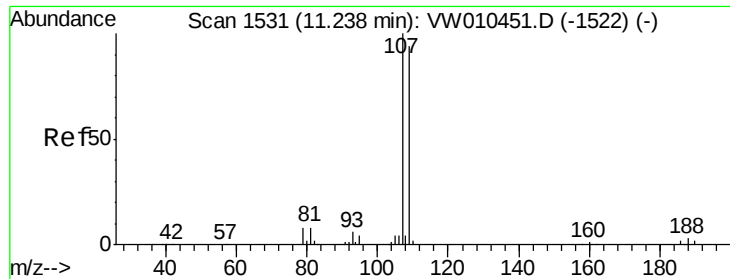
MMDadoda
5/21/2019 11:28:49 AM



#60
Dibromochloromethane
Concen: 101.298 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW010452.D
Acq: 20 May 2019 16:54

Tgt Ion: 129 Resp: 169434
Ion Ratio Lower Upper
129 100
127 77.4 38.9 116.7





#61

1,2-Dibromoethane

Concen: 97.344 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW010452.D

Acq: 20 May 2019 16:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 107 Resp: 132902

Ion Ratio Lower Upper

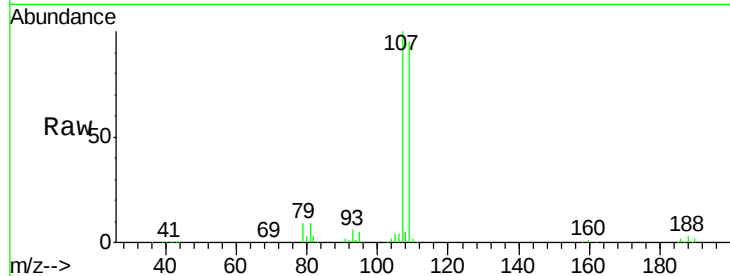
107 100

109 94.6 75.0 112.4

Manual Integrations
APPROVED

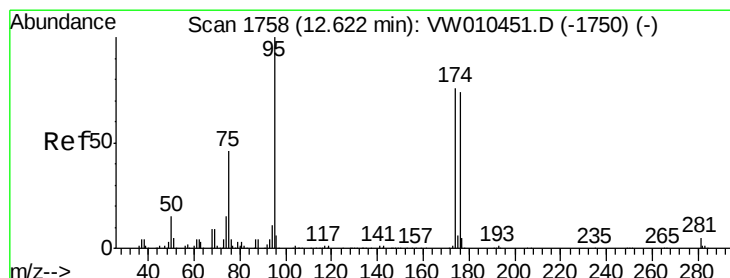
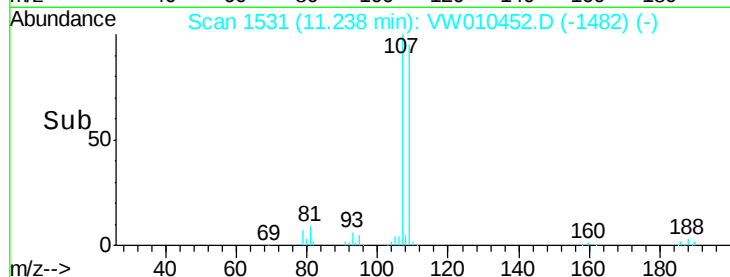
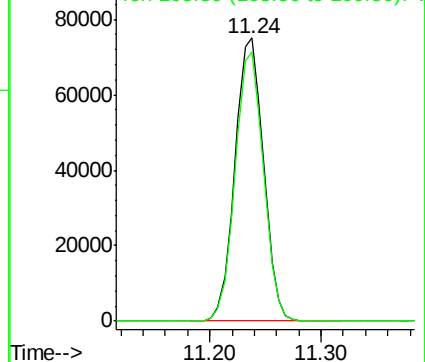
MMDadoda

5/21/2019 11:28:49 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 97.976 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW010452.D

Acq: 20 May 2019 16:54

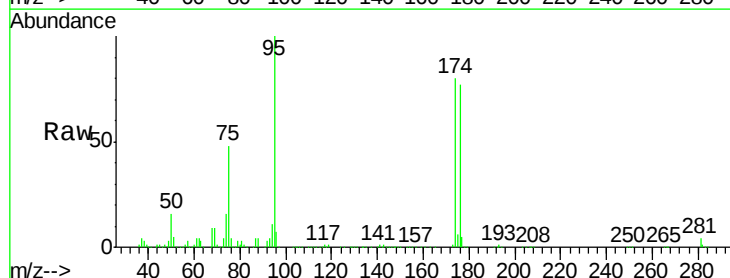
Tgt Ion: 95 Resp: 224756

Ion Ratio Lower Upper

95 100

174 75.9 0.0 148.6

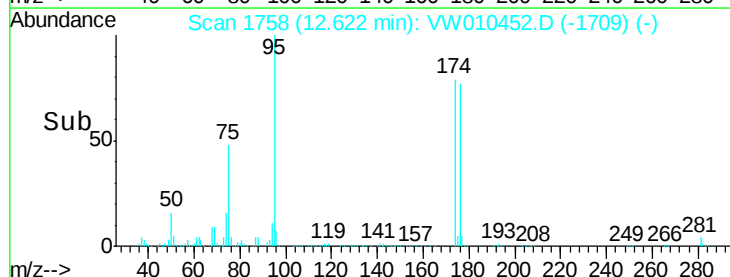
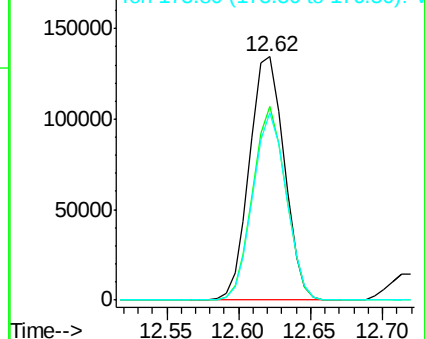
176 73.9 0.0 144.2

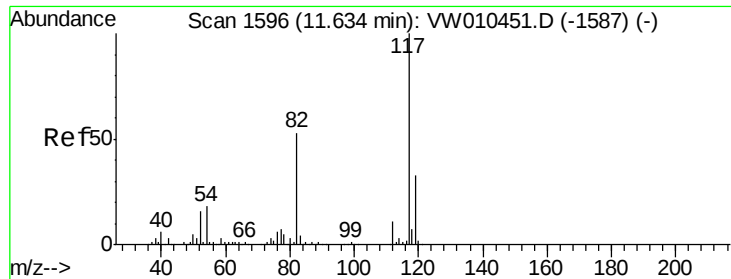


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





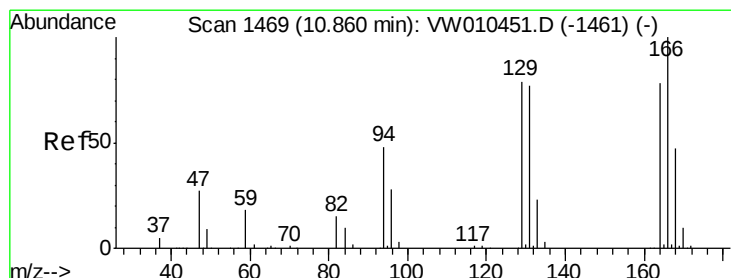
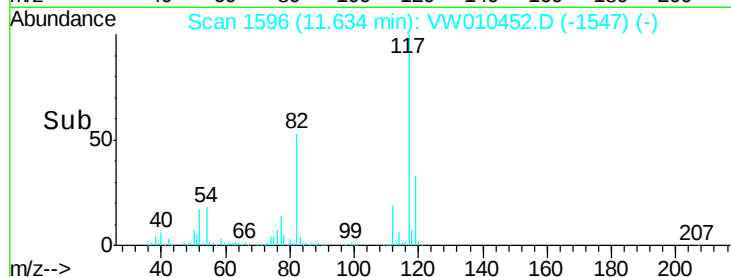
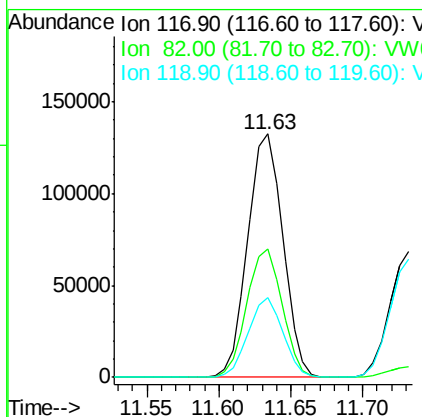
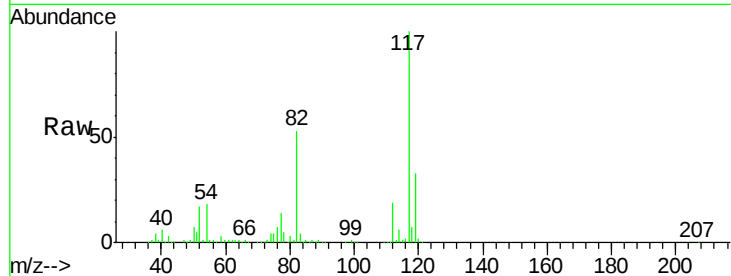
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010452.D
Acq: 20 May 2019 16:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	224750		
82	52.9		42.8	64.2
119	32.6		26.3	39.5

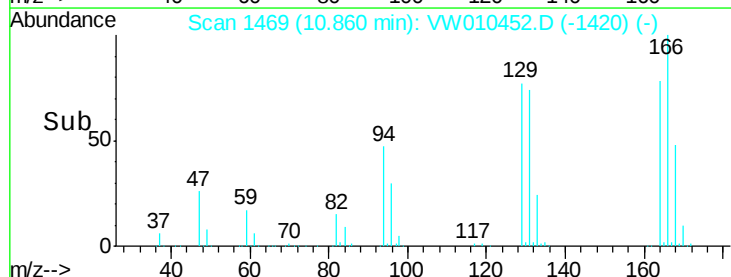
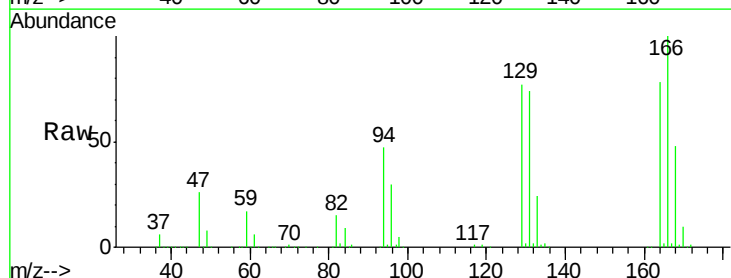
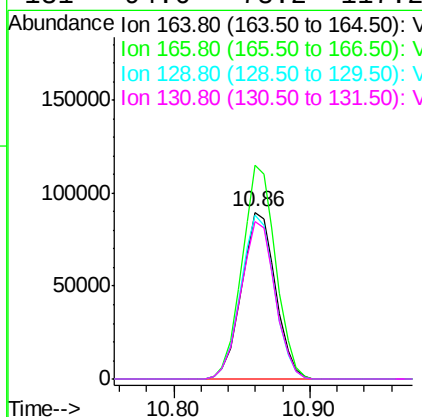
Manual Integrations
APPROVED

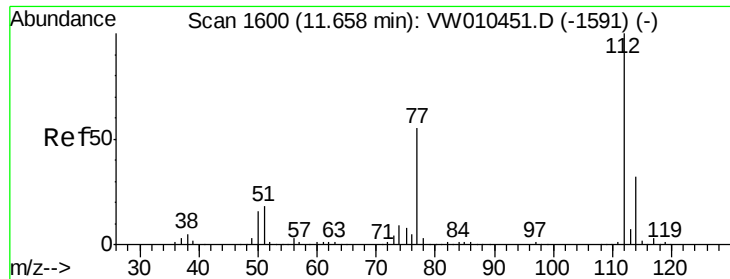
MMDadoda
5/21/2019 11:28:49 AM



#64
Tetrachloroethene
Concen: 103.787 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW010452.D
Acq: 20 May 2019 16:54

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	155961		
166	128.3		101.9	152.9
129	98.3		80.6	121.0
131	94.6		78.2	117.2





#65

Chlorobenzene

Concen: 102.568 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW010452.D

Acq: 20 May 2019 16:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:112 Resp: 473877

Ion Ratio Lower Upper

112 100

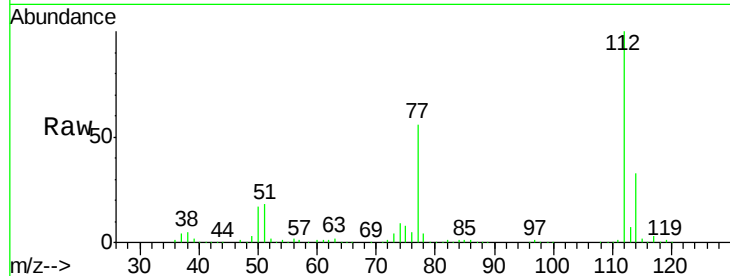
114 32.6 25.3 37.9

Manual Integrations

APPROVED

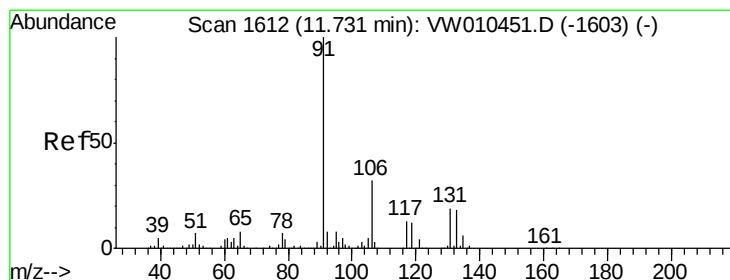
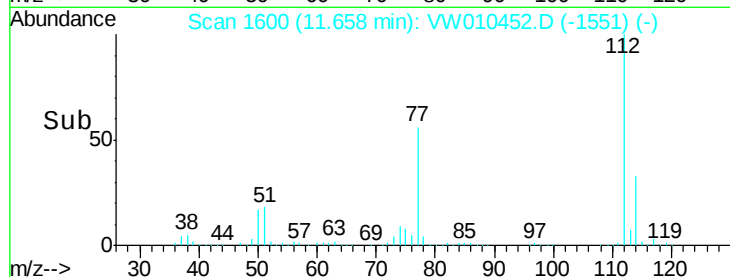
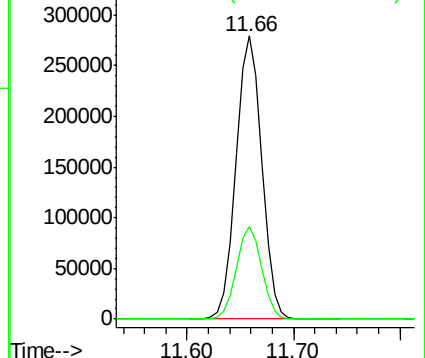
MMDadoda

5/21/2019 11:28:49 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 100.705 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW010452.D

Acq: 20 May 2019 16:54

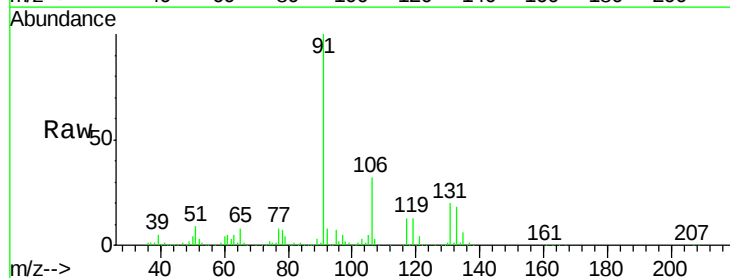
Tgt Ion:131 Resp: 171531

Ion Ratio Lower Upper

131 100

133 94.8 47.3 141.9

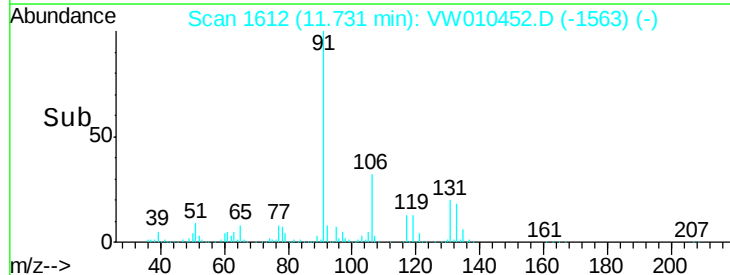
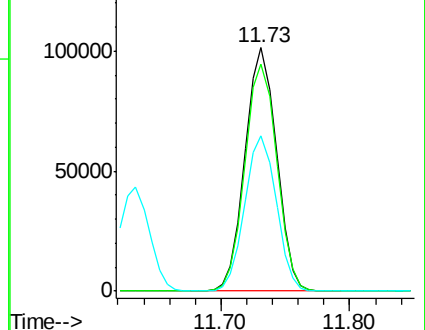
119 63.8 32.1 96.5

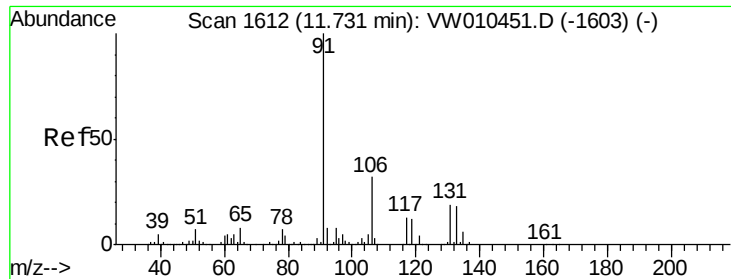


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





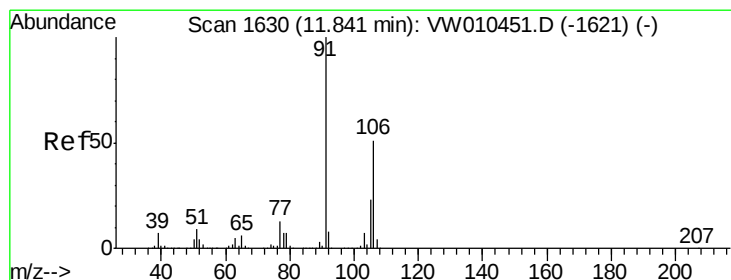
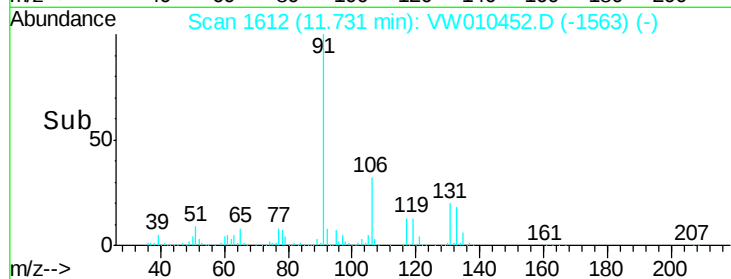
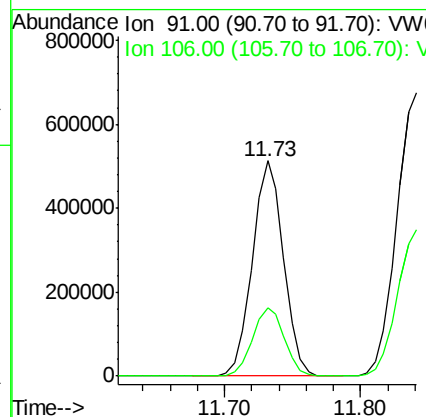
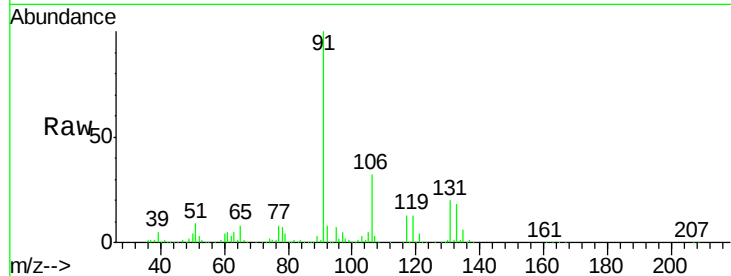
#67
Ethyl Benzene
Concen: 100.765 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010452.D
Acq: 20 May 2019 16:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		822338		
106	32.0	25.9	38.9		

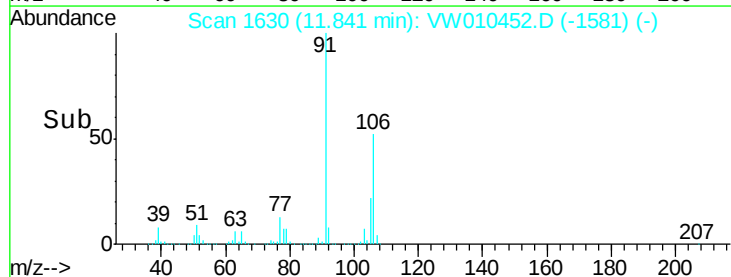
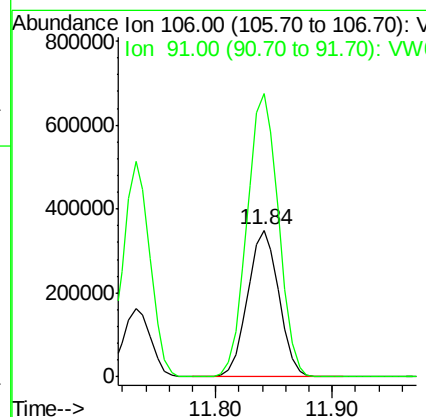
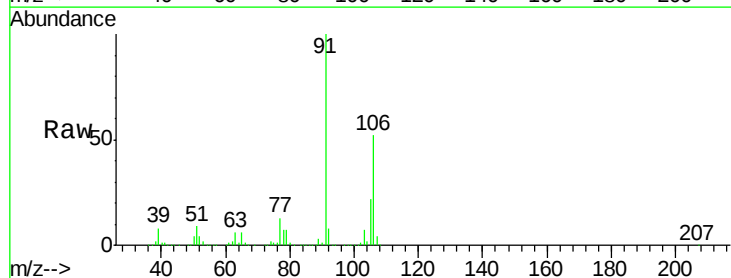
Manual Integrations
APPROVED

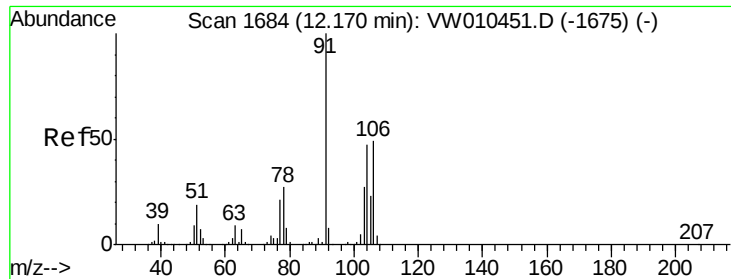
MMDadoda
5/21/2019 11:28:49 AM



#68
m/p-Xylenes
Concen: 203.742 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW010452.D
Acq: 20 May 2019 16:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		651146		
91	195.0	156.0	234.0		





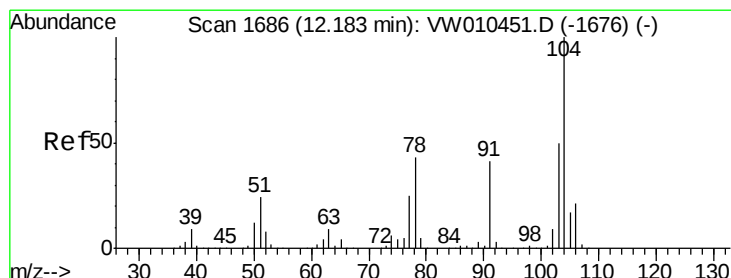
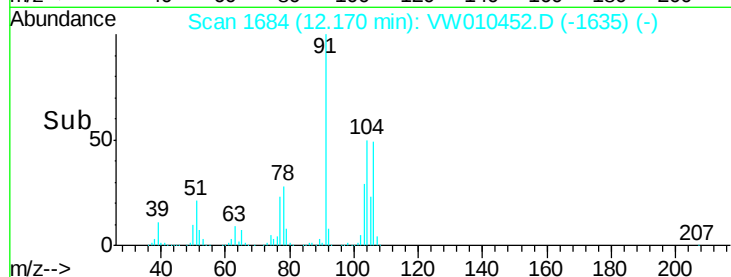
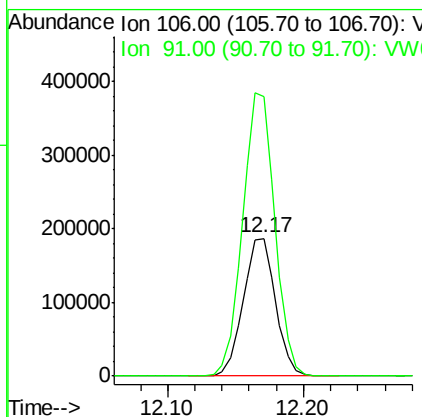
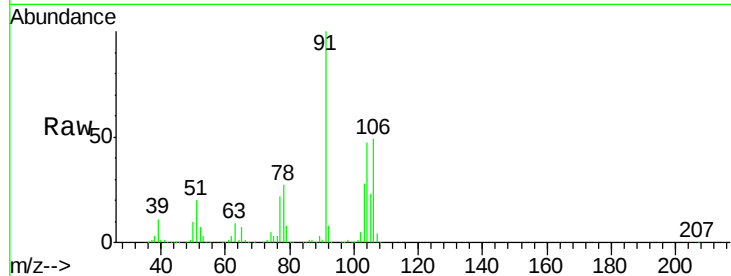
#69
o-Xylene
Concen: 101.601 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW010452.D
Acq: 20 May 2019 16:54

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
106	100	308915		
91	205.6	103.2	309.4	

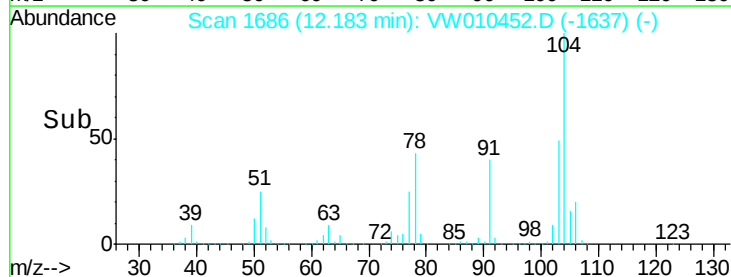
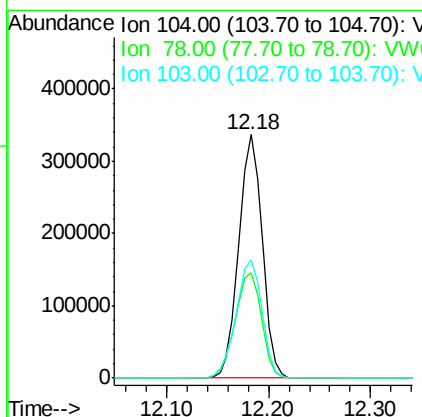
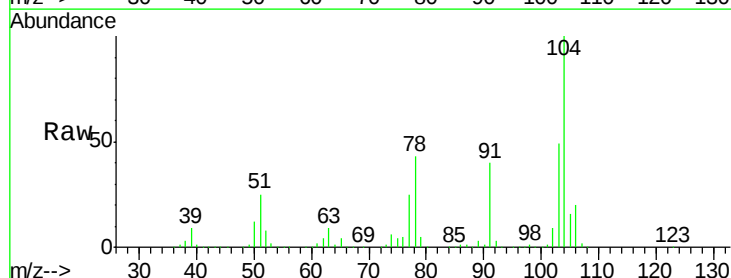
Manual Integrations
APPROVED

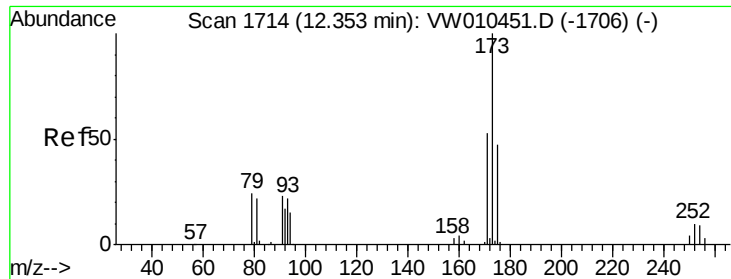
MMDadoda
5/21/2019 11:28:49 AM



#70
Styrene
Concen: 102.473 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010452.D
Acq: 20 May 2019 16:54

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	535609		
78	48.7	39.0	58.4	
103	53.2	43.0	64.6	





#71

Bromoform

Concen: 105.871 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW010452.D

Acq: 20 May 2019 16:54

Instrument :

MSVOA_W

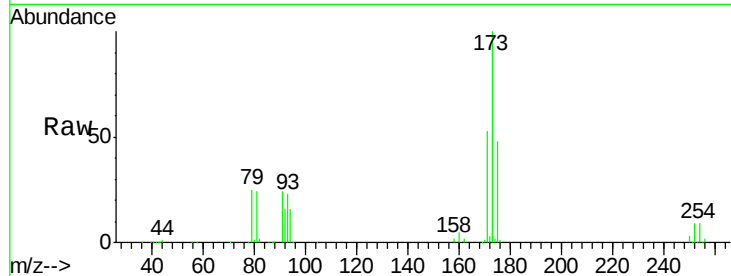
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.4	73.4
254	0.2	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
5/21/2019 11:28:49 AM

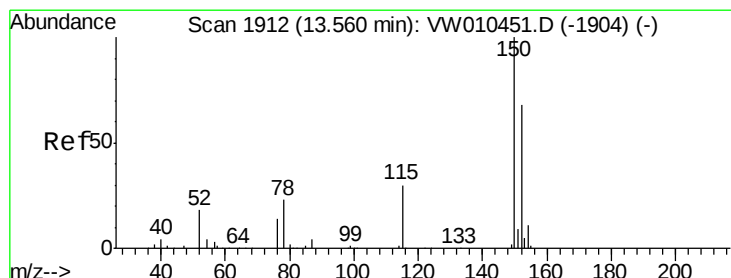
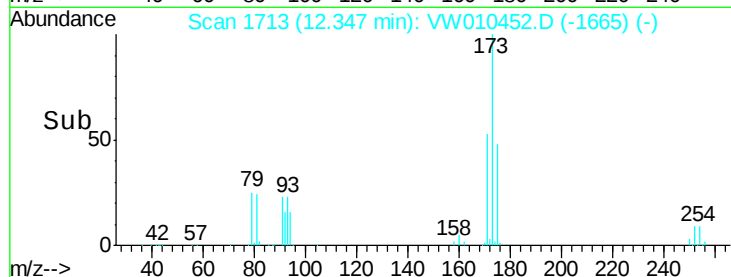
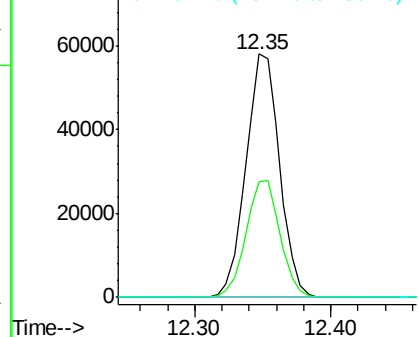


Abundance

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

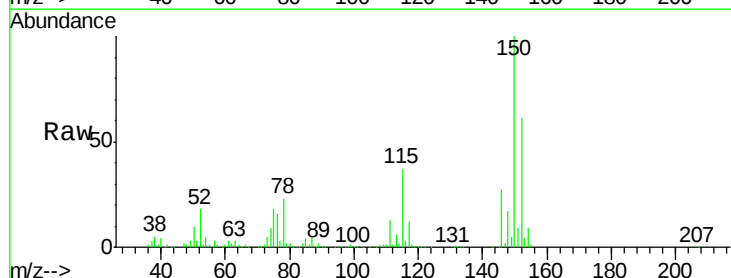
RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW010452.D

Acq: 20 May 2019 16:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.5	30.3	91.0
150	191.0	0.0	349.8

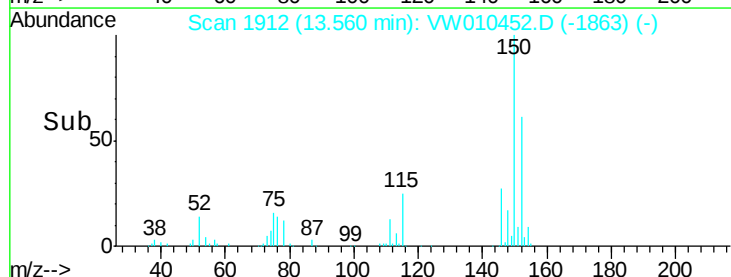
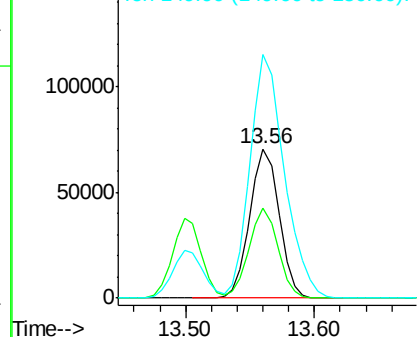


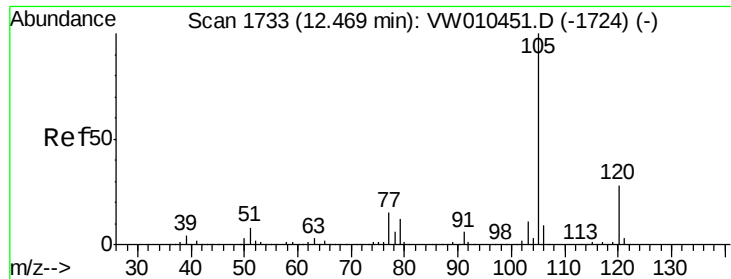
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





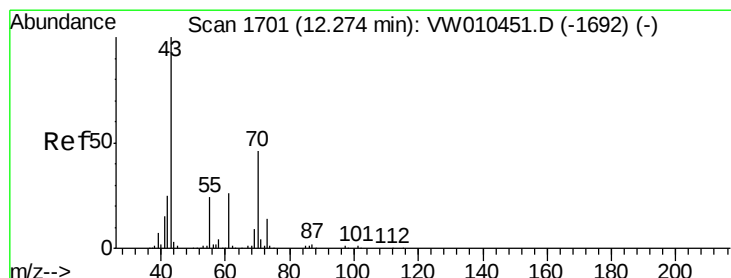
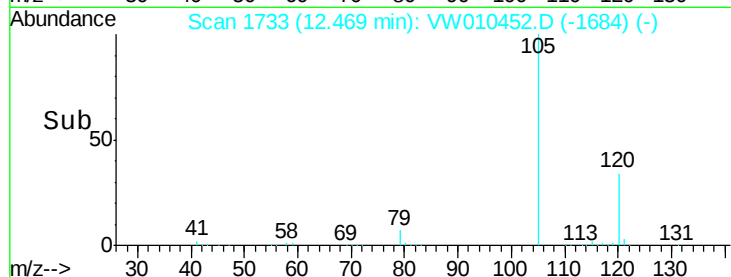
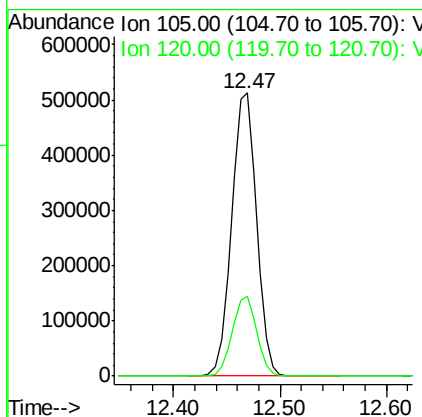
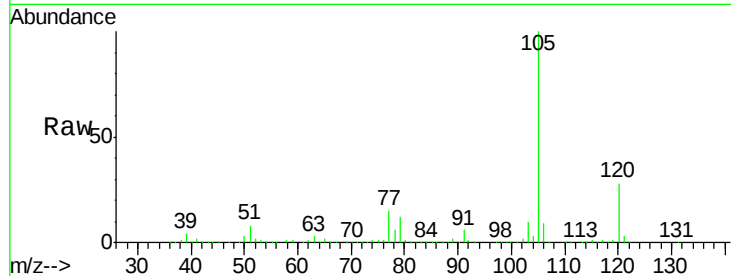
#73
Isopropylbenzene
Concen: 96.483 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VW010452.D
Acq: 20 May 2019 16:54

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion: 105 Resp: 839657
Ion Ratio Lower Upper
105 100
120 27.8 13.9 41.7

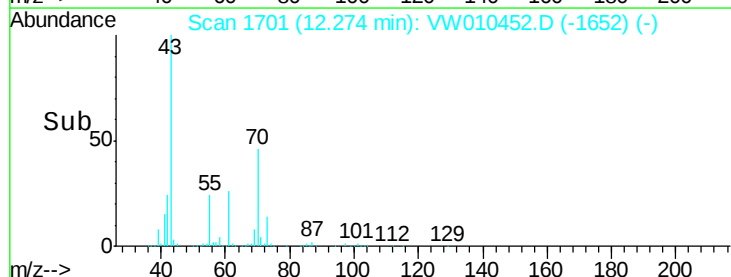
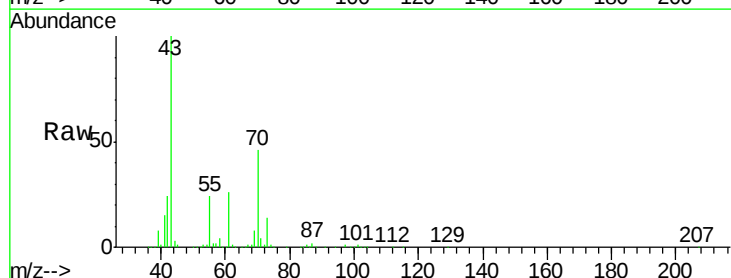
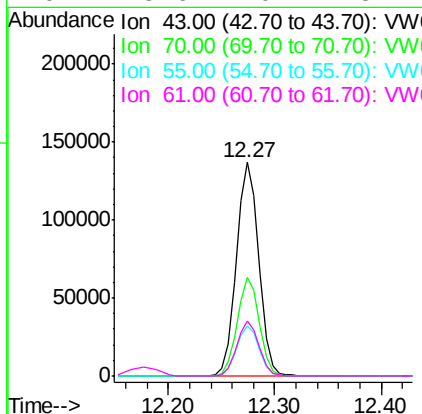
Manual Integrations
APPROVED

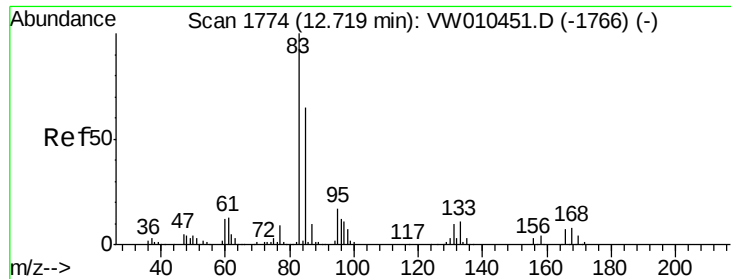
MMDadoda
5/21/2019 11:28:49 AM



#74
N-ethyl acetate
Concen: 92.681 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW010452.D
Acq: 20 May 2019 16:54

Tgt Ion: 43 Resp: 201958
Ion Ratio Lower Upper
43 100
70 45.8 37.1 55.7
55 23.9 19.6 29.4
61 25.6 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 90.669 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW010452.D

Acq: 20 May 2019 16:54

Instrument :

MSVOA_W

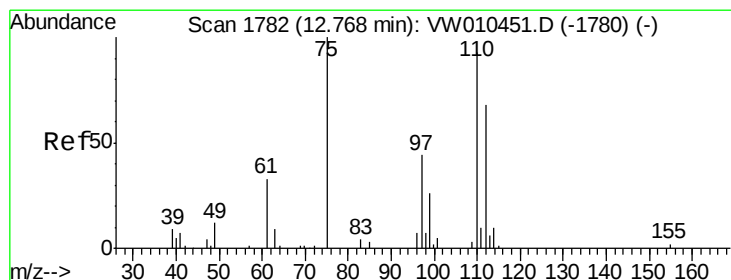
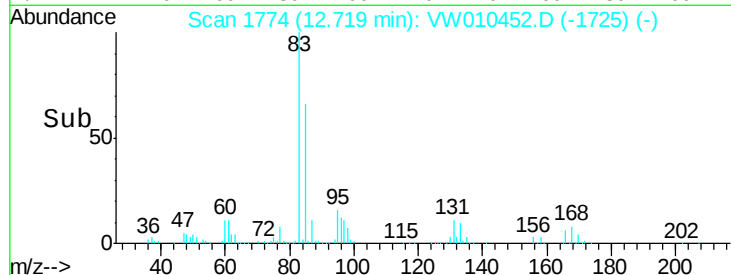
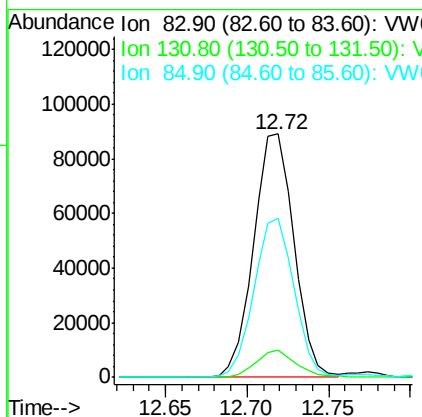
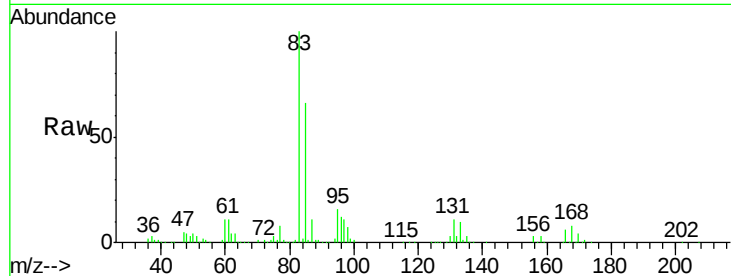
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	152984
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.6	16.8
85	64.8	32.4	97.0

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#76

1,2,3-Trichloropropane

Concen: 90.875 ug/l m

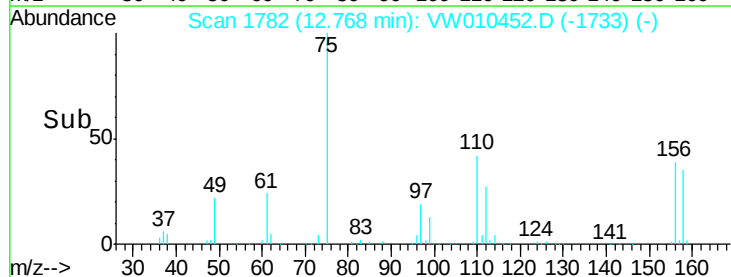
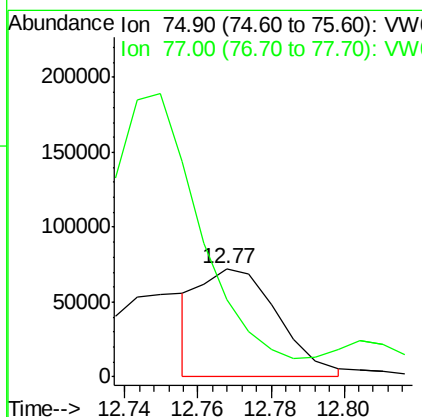
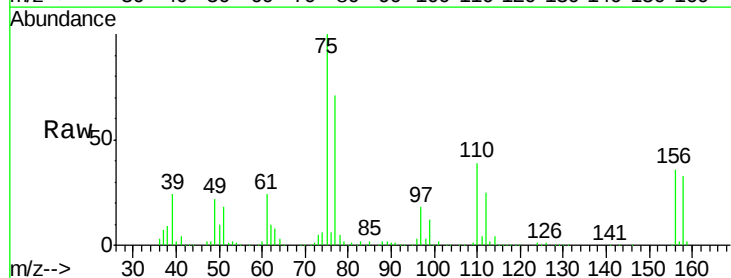
RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW010452.D

Acq: 20 May 2019 16:54

Tgt Ion:	75	Resp:	106904
Ion Ratio	Lower	Upper	
75	100		
77	327.7	170.0	510.1





#77

Bromobenzene

Concen: 98.781 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW010452.D

Acq: 20 May 2019 16:54

Instrument :

MSVOA_W

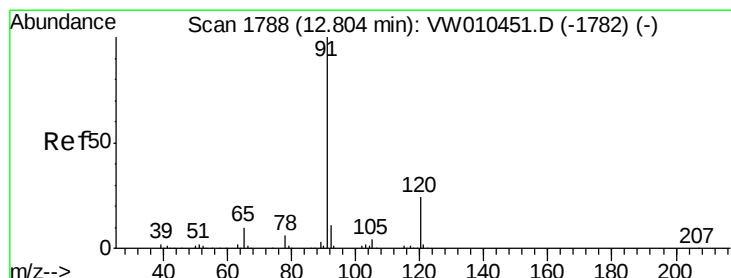
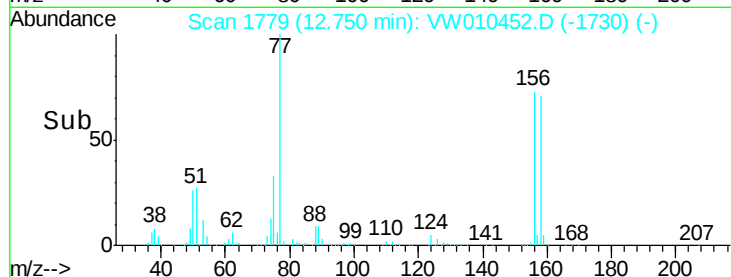
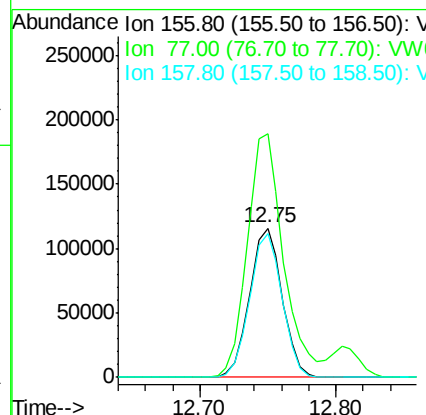
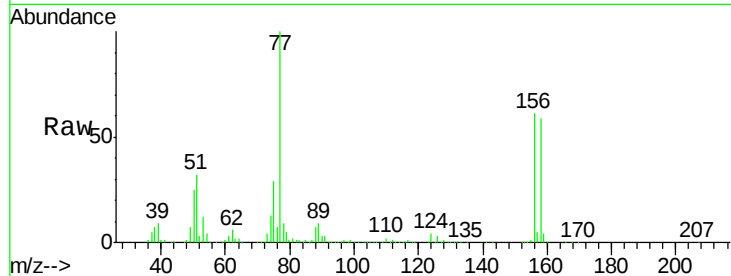
ClientSampled :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
156	100		
77	180.9	92.4	277.2
158	96.1	48.3	144.8

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#78

n-propylbenzene

Concen: 96.827 ug/l

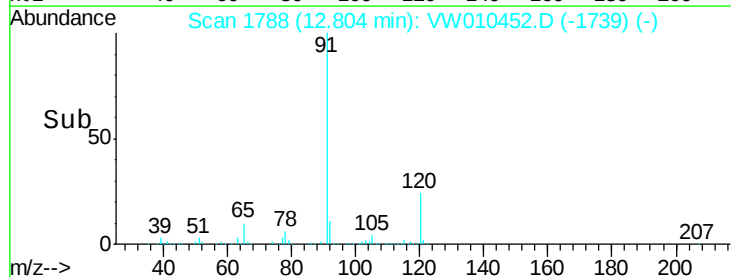
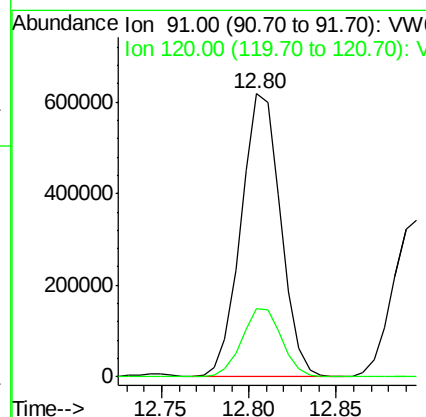
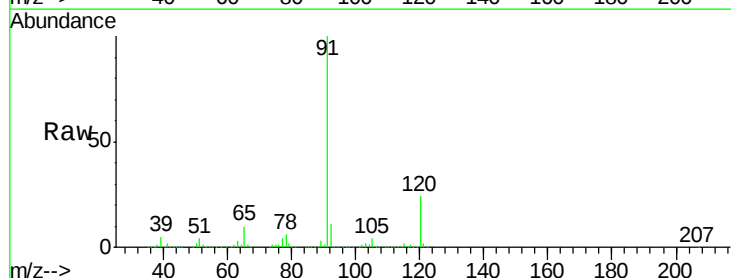
RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW010452.D

Acq: 20 May 2019 16:54

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.5	12.3	36.8





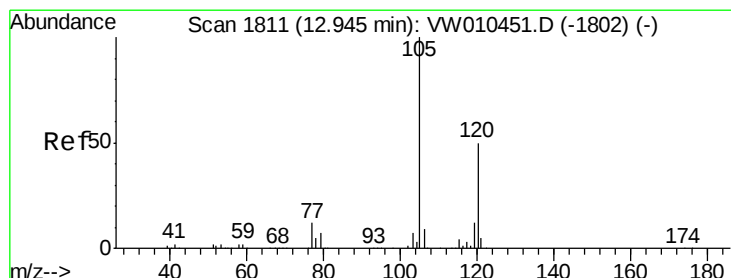
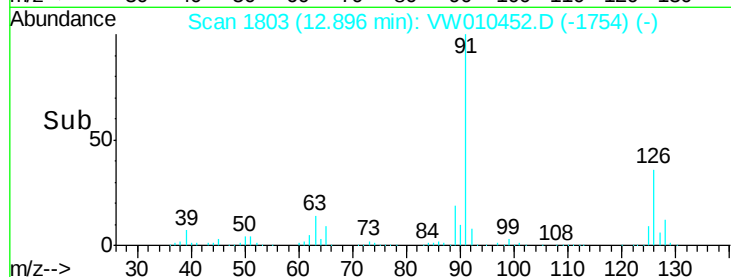
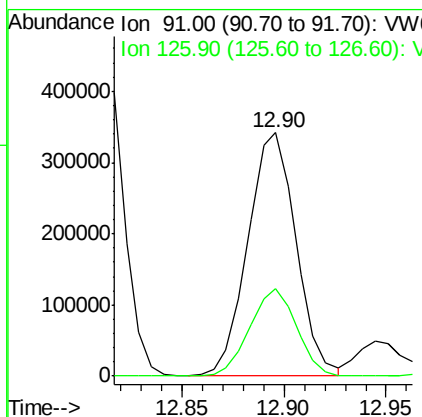
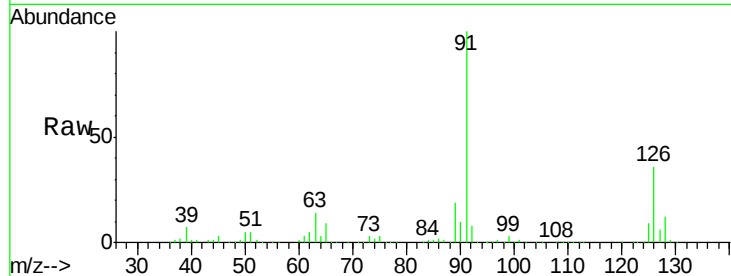
#79
2-Chlorotoluene
Concen: 95.433 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VW010452.D
Acq: 20 May 2019 16:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 560669
Ion Ratio Lower Upper
91 100
126 35.2 17.4 52.3

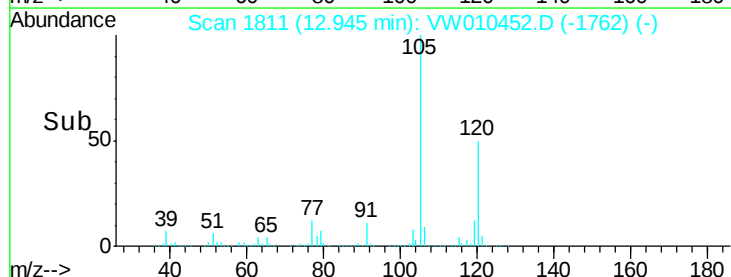
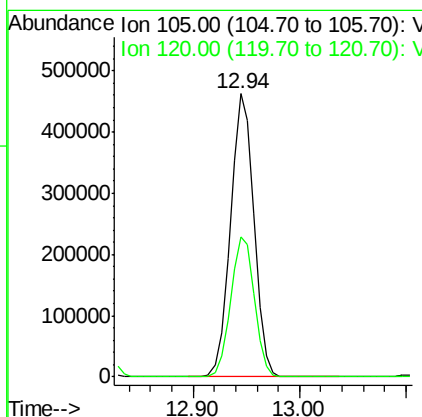
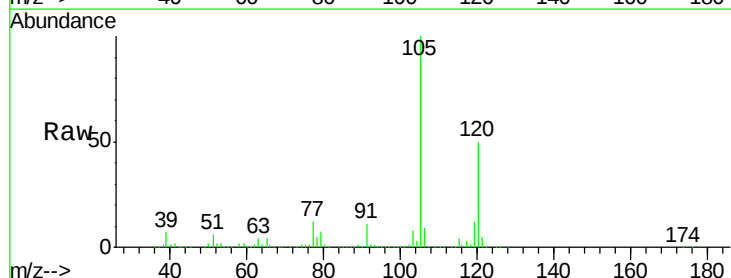
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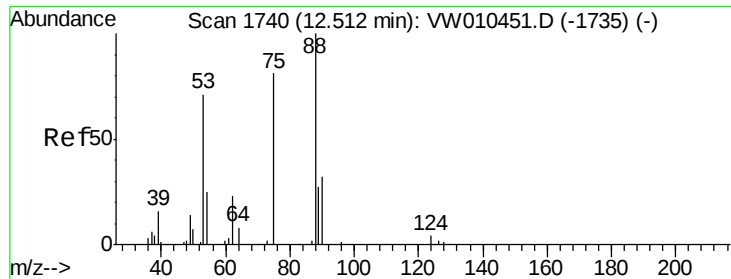
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#80
1,3,5-Trimethylbenzene
Concen: 96.386 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW010452.D
Acq: 20 May 2019 16:54

Tgt Ion: 105 Resp: 712260
Ion Ratio Lower Upper
105 100
120 50.2 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 90.483 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW010452.D

Acq: 20 May 2019 16:54

Instrument :

MSVOA_W

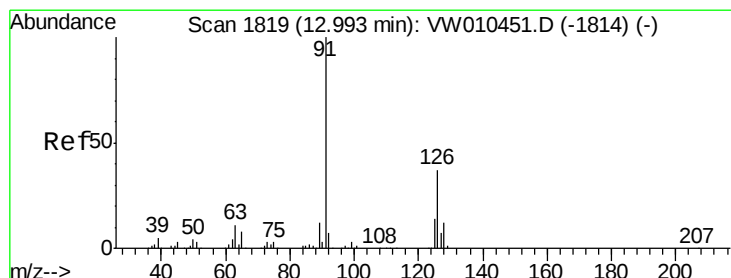
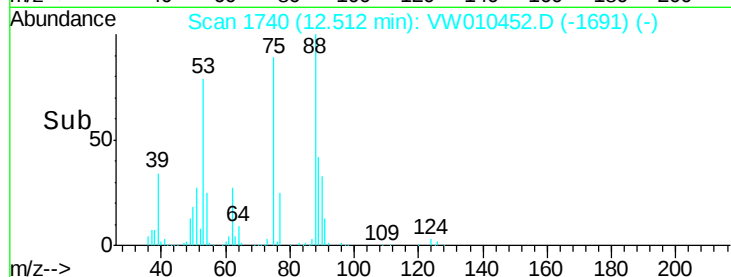
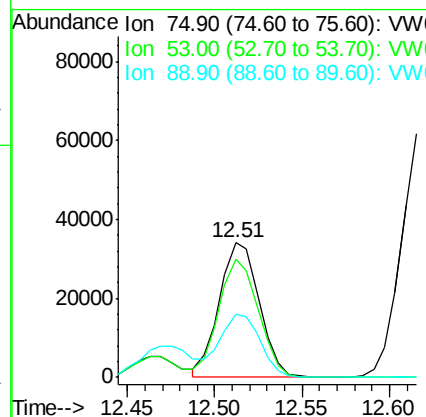
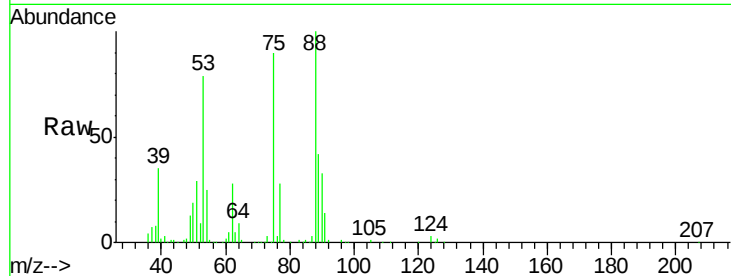
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	53934
Ion	Ratio	Lower	Upper
75	100		
53	87.2	69.8	104.8
89	46.6	39.5	59.3

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#82

4-Chlorotoluene

Concen: 95.608 ug/l

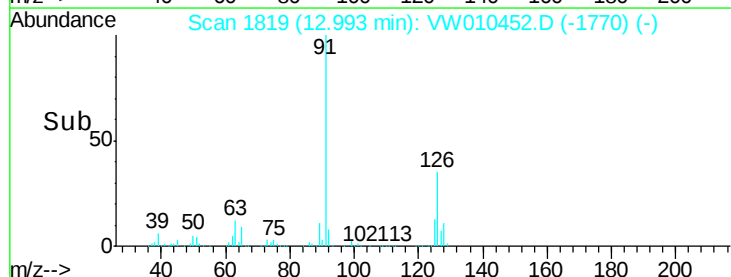
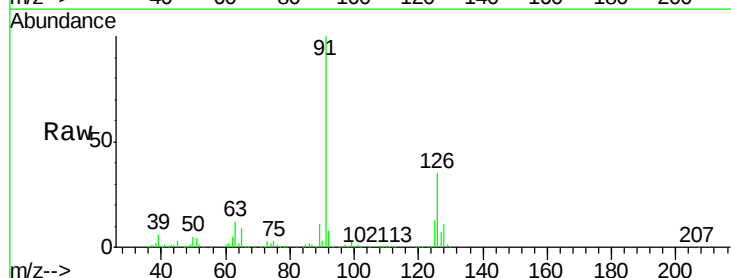
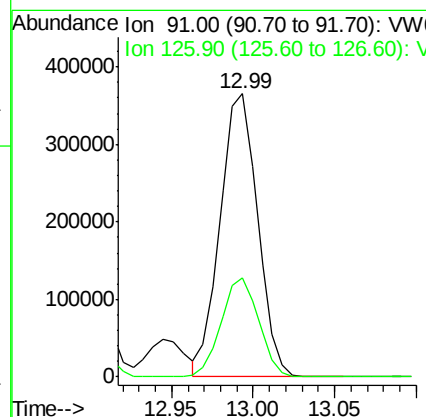
RT: 12.99 min Scan# 1819

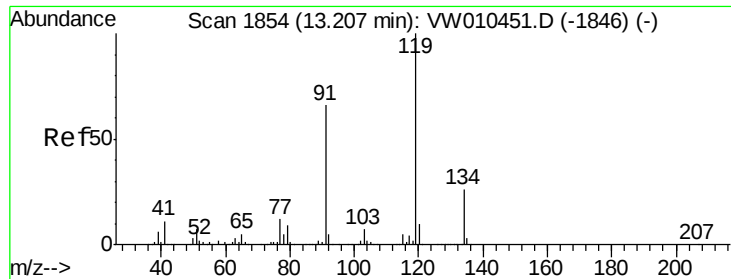
Delta R.T. 0.00 min

Lab File: VW010452.D

Acq: 20 May 2019 16:54

Tgt Ion:	91	Resp:	585532
Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.5	52.6





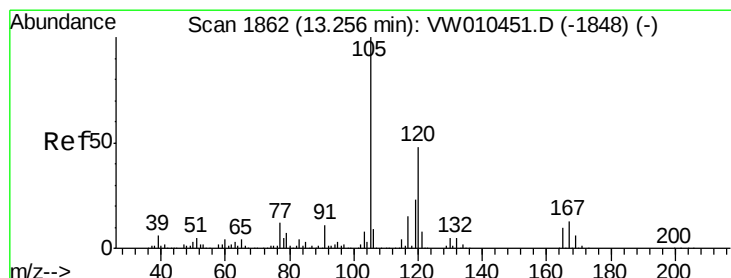
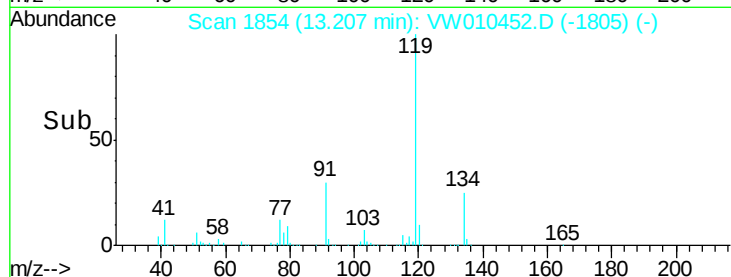
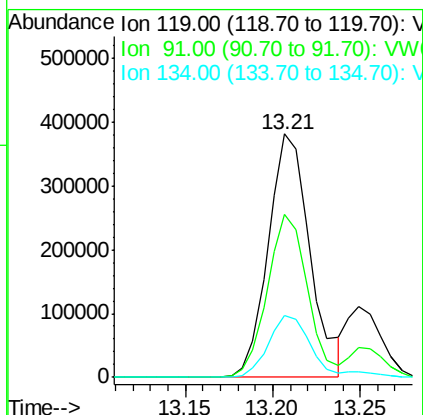
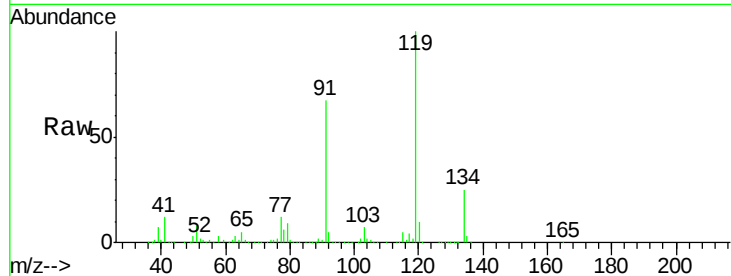
#83
 tert-Butylbenzene
 Concen: 101.642 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW010452.D
 Acq: 20 May 2019 16:54

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.1	33.1	99.5
134	26.6	13.9	41.6

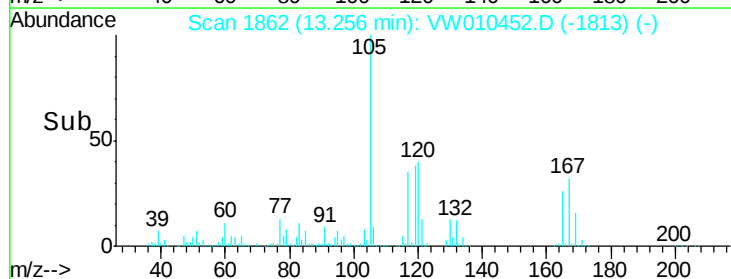
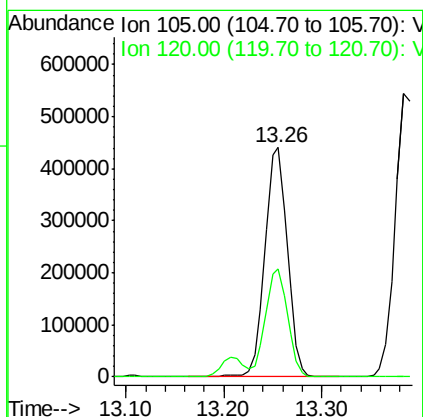
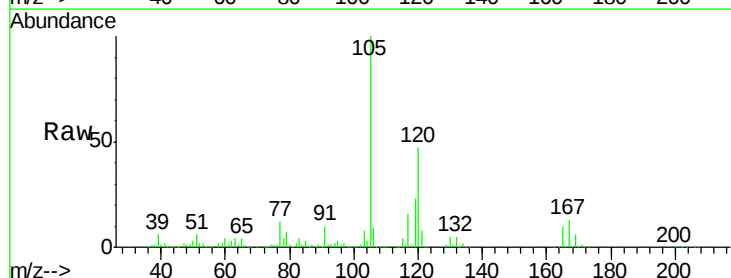
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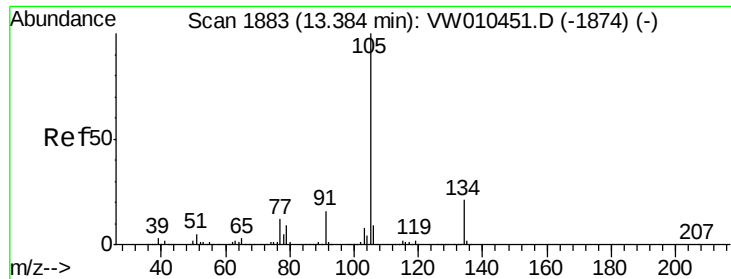
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#84
 1,2,4-Trimethylbenzene
 Concen: 96.231 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW010452.D
 Acq: 20 May 2019 16:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.8	23.4	70.2





#85

sec-Butylbenzene

Concen: 97.503 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW010452.D

Acq: 20 May 2019 16:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 859427

Ion Ratio Lower Upper

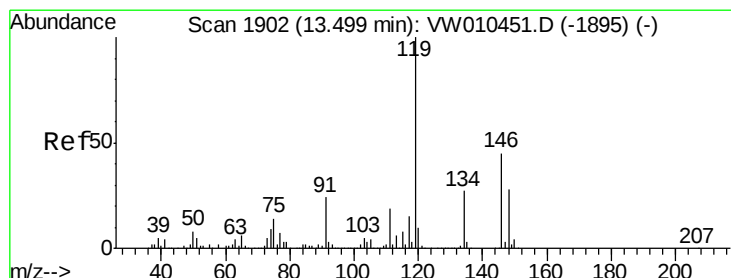
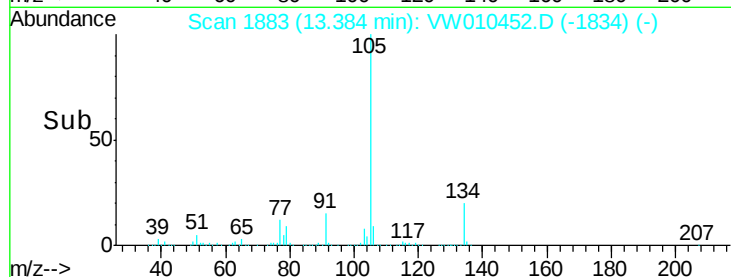
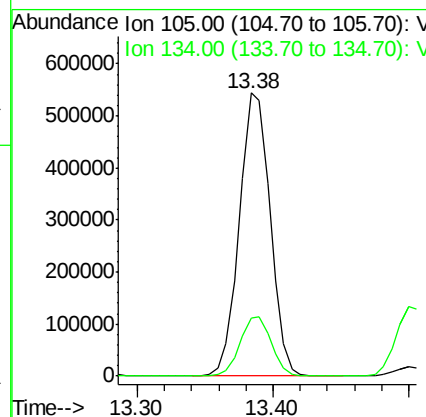
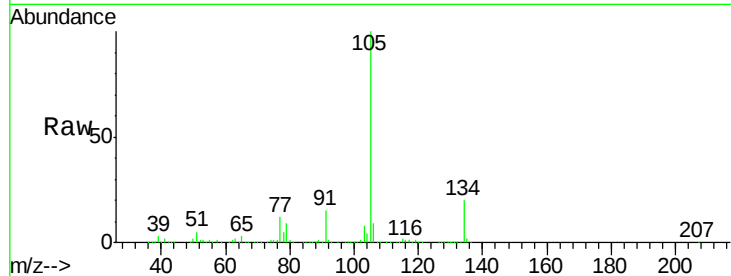
105 100

134 21.2 10.5 31.6

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#86

p-Isopropyltoluene

Concen: 97.366 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010452.D

Acq: 20 May 2019 16:54

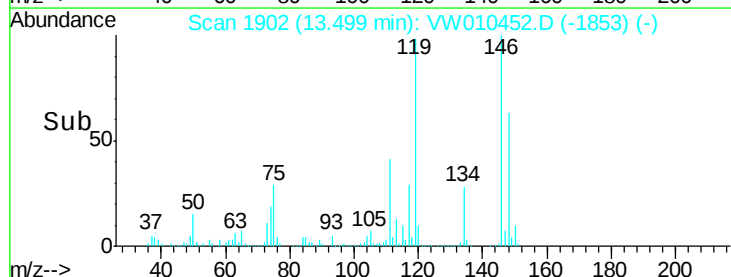
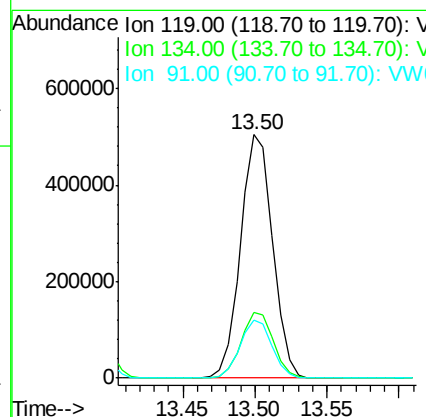
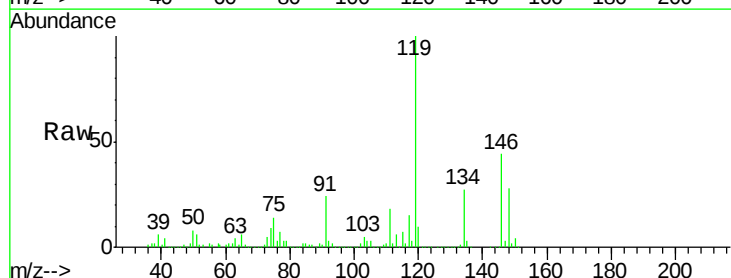
Tgt Ion:119 Resp: 777163

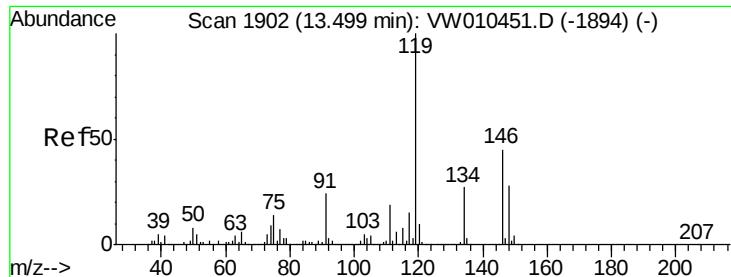
Ion Ratio Lower Upper

119 100

134 27.0 13.6 40.7

91 23.8 11.9 35.7





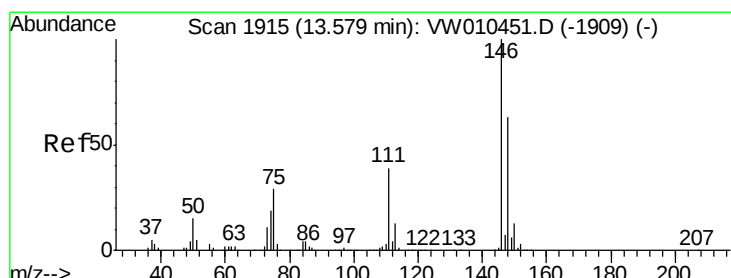
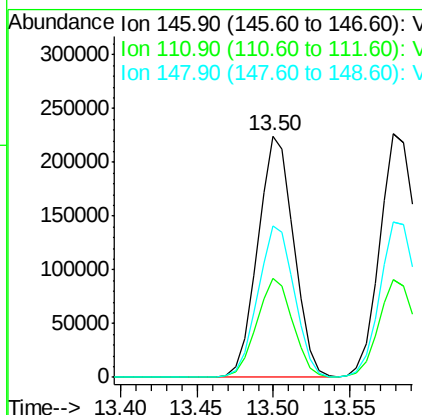
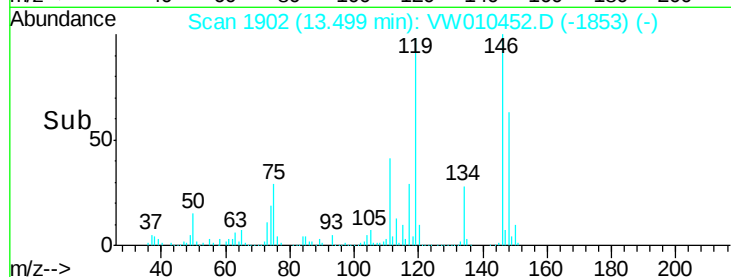
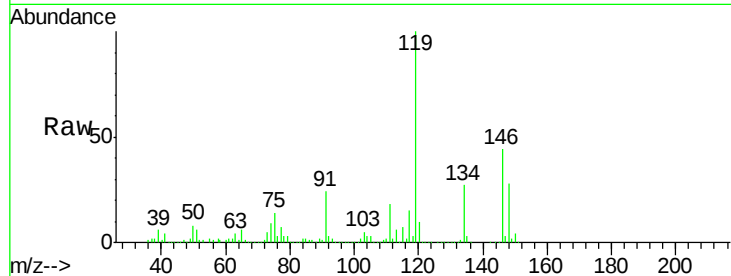
#87
 1,3-Dichlorobenzene
 Concen: 97.341 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010452.D
 Acq: 20 May 2019 16:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.3	60.9
148	63.6	31.6	94.8

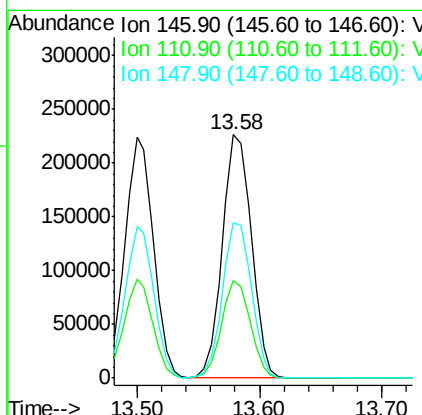
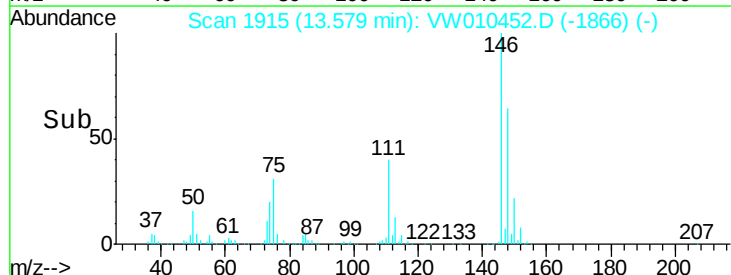
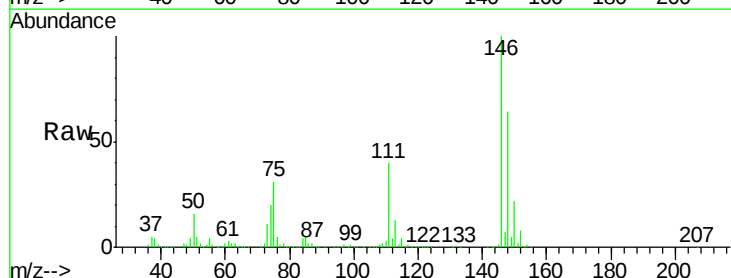
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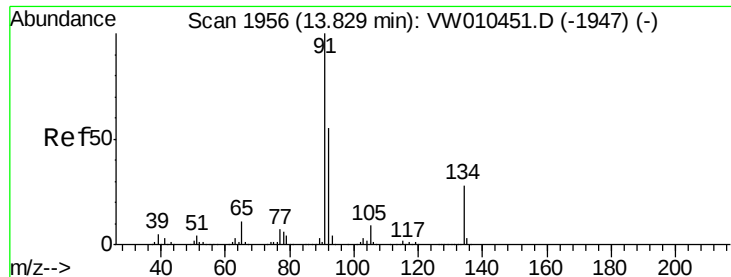
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#88
 1,4-Dichlorobenzene
 Concen: 99.097 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW010452.D
 Acq: 20 May 2019 16:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.9	59.6
148	63.7	31.6	94.8





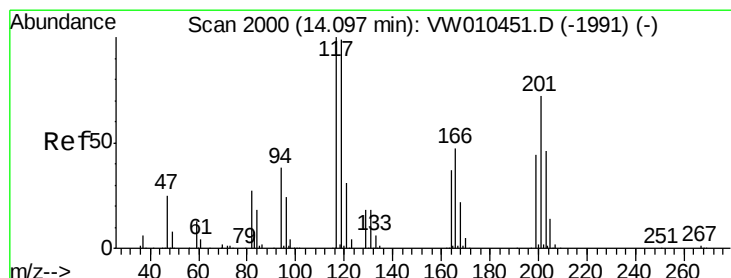
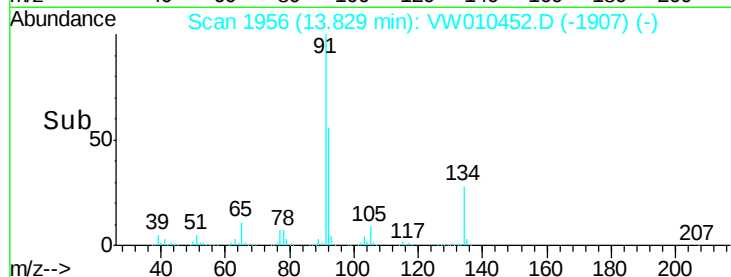
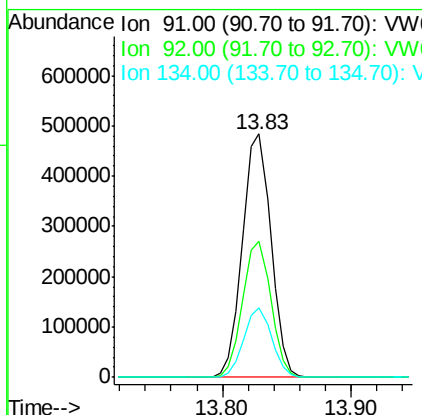
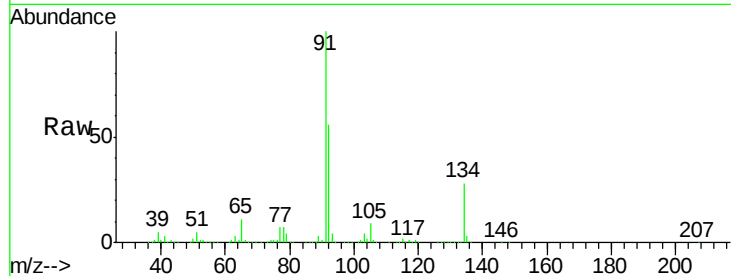
#89
n-Butylbenzene
Concen: 97.387 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW010452.D
Acq: 20 May 2019 16:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.5	27.7	83.1
134	27.9	13.9	41.6

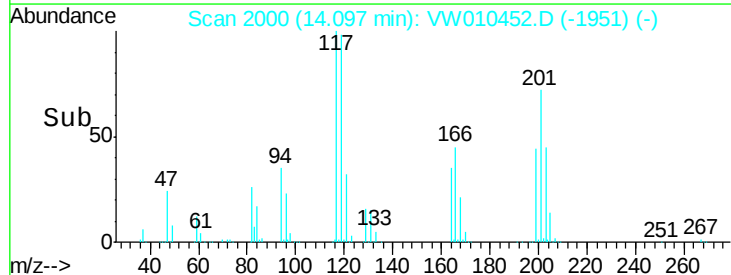
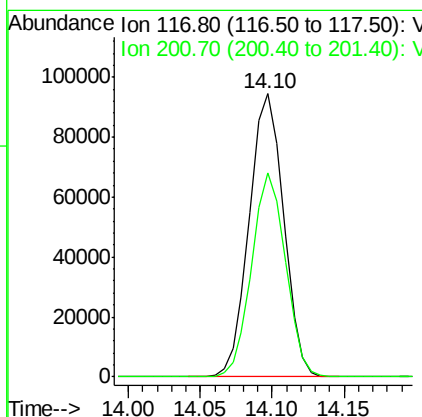
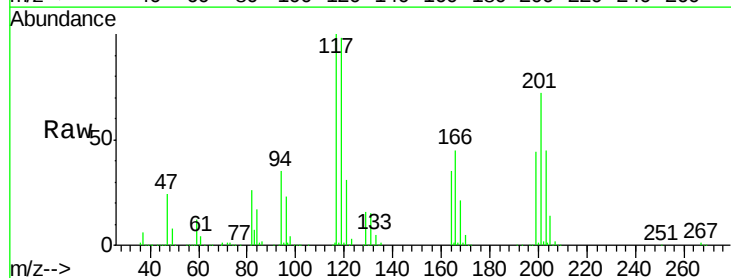
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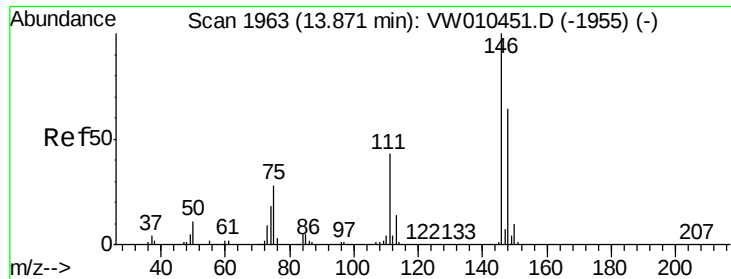
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#90
Hexachloroethane
Concen: 97.749 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW010452.D
Acq: 20 May 2019 16:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.9	34.6	103.8





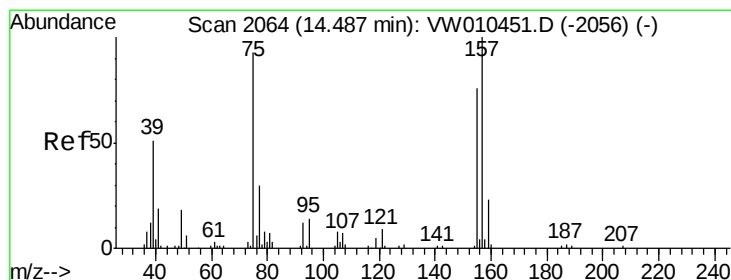
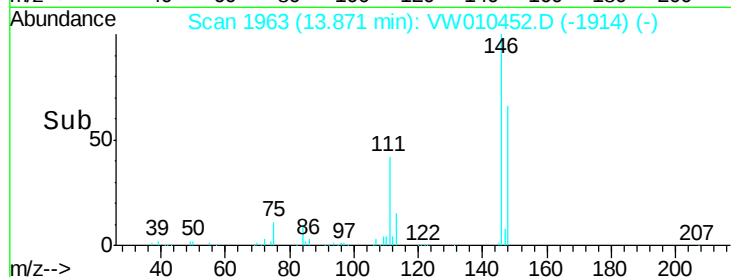
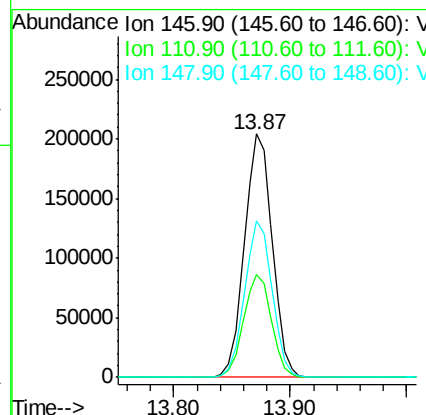
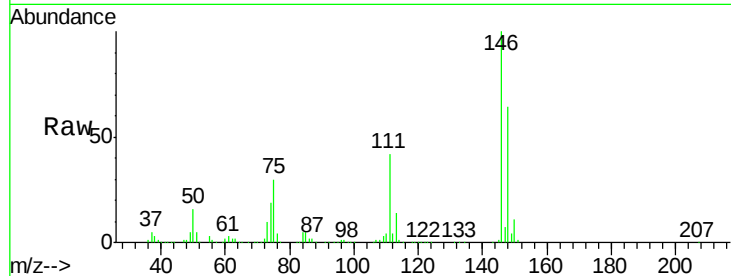
#91
 1,2-Dichlorobenzene
 Concen: 99.475 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW010452.D
 Acq: 20 May 2019 16:54

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.3	64.0
148	63.3	32.0	96.0

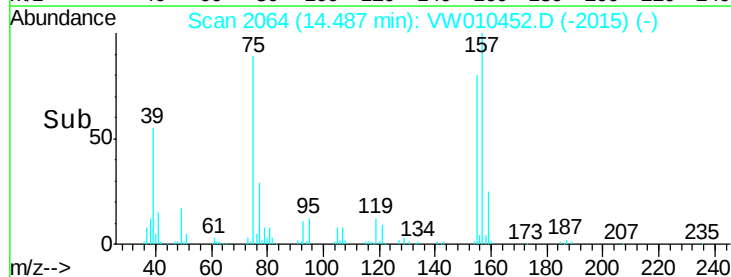
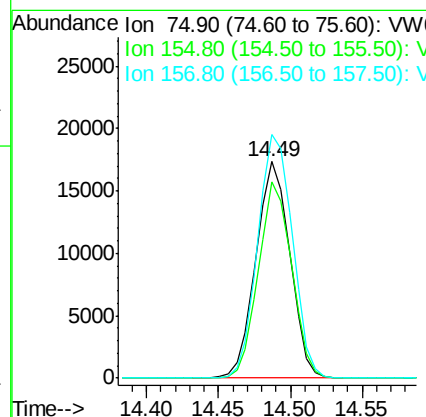
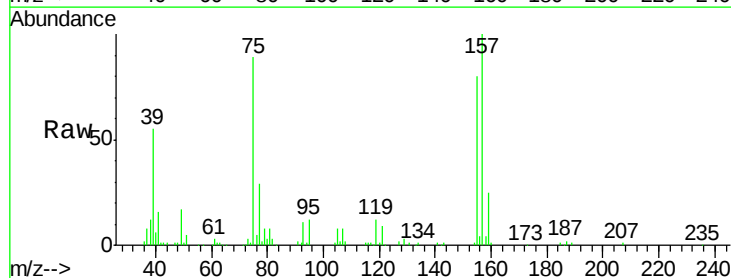
Manual Integrations
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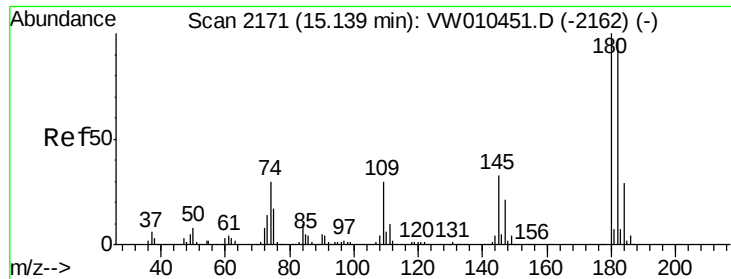
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 89.838 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW010452.D
 Acq: 20 May 2019 16:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.6	43.0	129.0
157	114.9	55.7	167.1





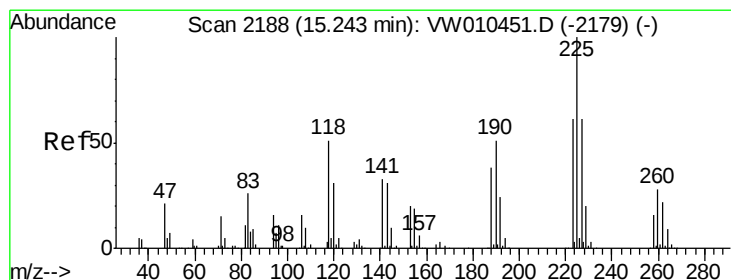
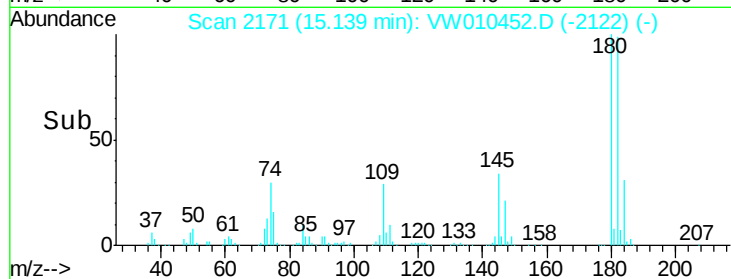
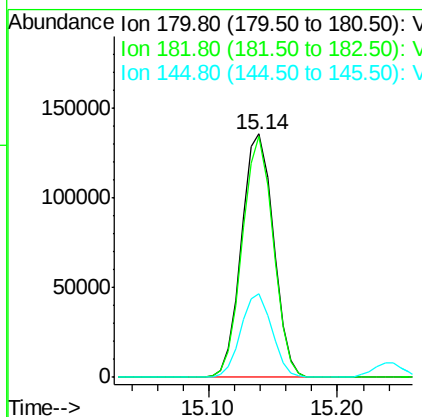
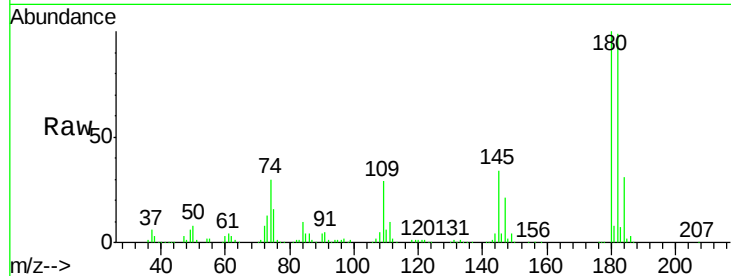
#93
 1,2,4-Trichlorobenzene
 Concen: 103.008 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010452.D
 Acq: 20 May 2019 16:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	232894		
182	95.4	47.0	141.2	
145	33.3	16.7	50.0	

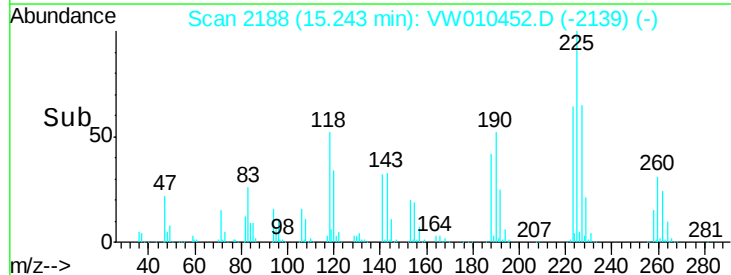
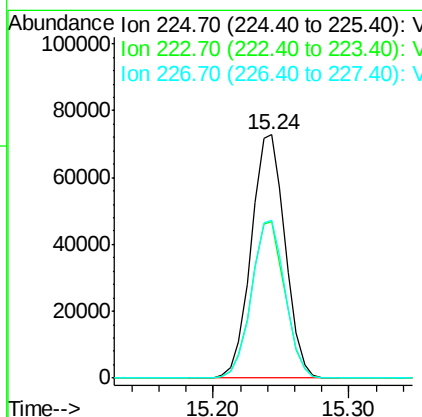
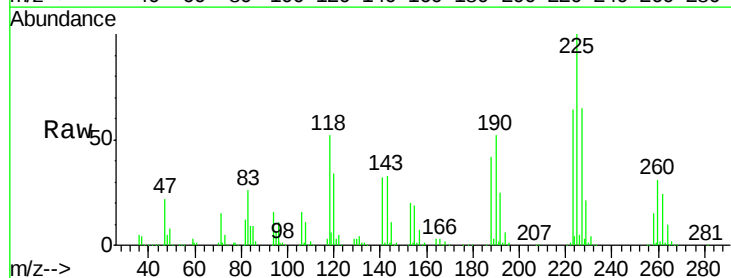
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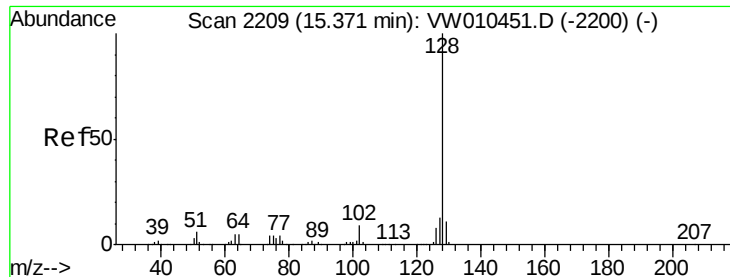
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#94
 Hexachlorobutadiene
 Concen: 104.921 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW010452.D
 Acq: 20 May 2019 16:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	127266		
223	63.3	31.1	93.2	
227	64.0	31.1	93.5	





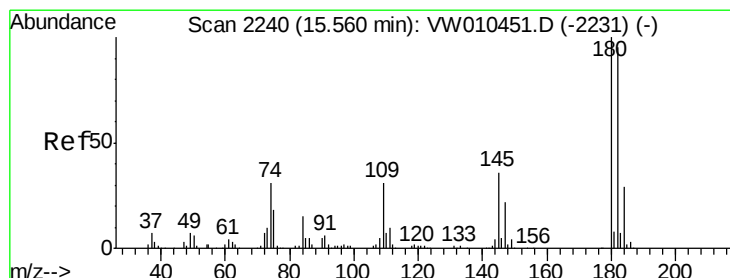
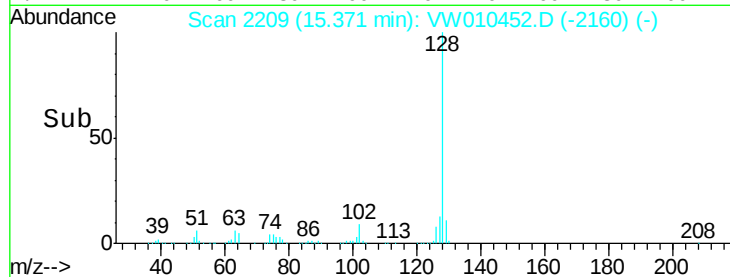
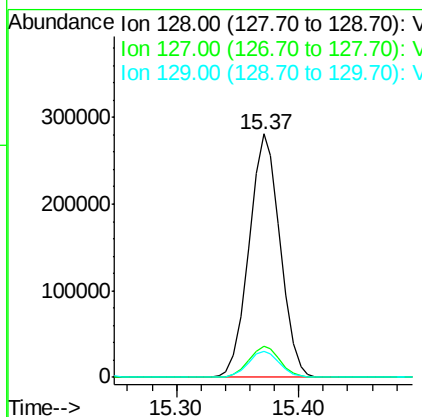
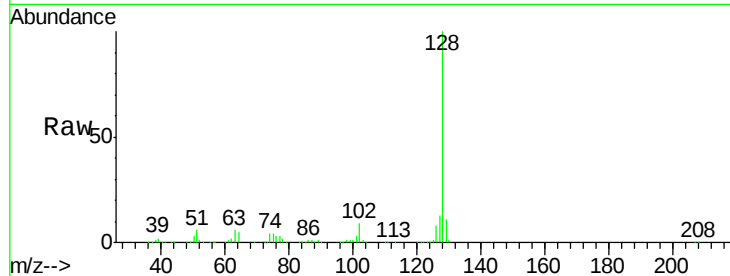
#95
Naphthalene
Concen: 98.214 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW010452.D
Acq: 20 May 2019 16:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Resp	Lower	Upper
128	100	494736		
127	12.8	10.6	15.8	
129	10.9	8.9	13.3	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 100.793 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW010452.D
Acq: 20 May 2019 16:54

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	200289		
182	95.5	47.1	141.3	
145	35.7	17.4	52.3	

