

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070819\
 Data File : VW011164.D
 Acq On : 08 Jul 2019 16:46
 Operator : SY/VA
 Sample : VW0708SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0708SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/9/2019 4:13:15 PM

Quant Time: Jul 09 07:05:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 09 06:41:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	231031	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	392056	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	344693	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	170671	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	149636	51.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.10%	
35) Dibromofluoromethane	7.88	113	115514	49.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.86%	
50) Toluene-d8	10.32	98	470620	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	
62) 4-Bromofluorobenzene	12.62	95	171439	49.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.04%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	36926	21.431	ug/l	100
3) Chloromethane	2.21	50	45281	20.395	ug/l	99
4) Vinyl Chloride	2.35	62	59051	20.320	ug/l	98
5) Bromomethane	2.76	94	29941	20.504	ug/l	95
6) Chloroethane	2.92	64	31262	19.973	ug/l	95
7) Trichlorofluoromethane	3.24	101	18733	18.146	ug/l	91
8) Diethyl Ether	3.68	74	28846	20.195	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.05	101	50262	20.326	ug/l	99
10) Methyl Iodide	4.27	142	67391	19.815	ug/l	100
11) Tert butyl alcohol	5.16	59	22425	104.337	ug/l	100
12) 1,1-Dichloroethene	4.04	96	50078	19.512	ug/l	95
13) Acrolein	3.89	56	15243	89.065	ug/l	99
14) Allyl chloride	4.66	41	89257	19.071	ug/l	99
15) Acrylonitrile	5.36	53	75110	103.248	ug/l	99
16) Acetone	4.12	43	68407	97.935	ug/l	99
17) Carbon Disulfide	4.38	76	148582	19.096	ug/l	100
18) Methyl Acetate	4.67	43	47686	23.251	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	80618	20.702	ug/l	100
20) Methylene Chloride	4.92	84	58524	21.239	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	52327	19.621	ug/l	96
22) Diisopropyl ether	6.31	45	204518	20.317	ug/l	99
23) Vinyl Acetate	6.25	43	620143	99.547	ug/l	100
24) 1,1-Dichloroethane	6.21	63	105573	19.973	ug/l	99
25) 2-Butanone	7.17	43	113159	103.205	ug/l	98
26) 2,2-Dichloropropane	7.16	77	53327	19.408	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	57760	20.078	ug/l	99
28) Bromochloromethane	7.51	49	49169	20.457	ug/l	100
29) Tetrahydrofuran	7.52	42	76246	106.052	ug/l	100
30) Chloroform	7.67	83	97559	19.929	ug/l	98
31) Cyclohexane	7.95	56	111554	19.837	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	71963	19.325	ug/l	98
36) 1,1-Dichloropropene	8.08	75	80753	19.342	ug/l	99
37) Ethyl Acetate	7.25	43	52119	20.777	ug/l	100
38) Carbon Tetrachloride	8.06	117	67196	18.986	ug/l	97

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Manual Integrations
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 7/9/2019 4:13:15 PM

Quant Time: Jul 09 07:05:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 09 06:41:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	100083	19.778	ug/l	98
40) Benzene	8.32	78	224009	19.415	ug/l	100
41) Methacrylonitrile	7.48	41	30925	21.555	ug/l	92
42) 1,2-Dichloroethane	8.40	62	74107	19.799	ug/l	100
43) Isopropyl Acetate	8.42	43	96477	20.371	ug/l	100
44) Trichloroethene	9.09	130	52968	19.077	ug/l	99
45) 1,2-Dichloropropane	9.37	63	60969	19.513	ug/l	99
46) Dibromomethane	9.46	93	28944	19.720	ug/l	99
47) Bromodichloromethane	9.64	83	71595	19.064	ug/l	99
48) Methyl methacrylate	9.43	41	45008	19.754	ug/l	98
49) 1,4-Dioxane	9.45	88	9887	403.567	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	255564	103.302	ug/l	100
52) Toluene	10.38	92	137154	19.596	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	75147	18.799	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	88897	18.893	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	41343	19.855	ug/l	96
56) Ethyl methacrylate	10.65	69	64067	20.210	ug/l	98
57) 1,3-Dichloropropane	10.93	76	77711	19.736	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	149923	102.012	ug/l	99
59) 2-Hexanone	10.97	43	177216	103.292	ug/l	99
60) Dibromochloromethane	11.13	129	43569	19.082	ug/l	99
61) 1,2-Dibromoethane	11.23	107	39066	19.807	ug/l	99
64) Tetrachloroethene	10.86	164	44866	19.290	ug/l	98
65) Chlorobenzene	11.66	112	137269	19.587	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	47472	19.239	ug/l	99
67) Ethyl Benzene	11.73	91	260631	19.427	ug/l	100
68) m/p-Xylenes	11.84	106	192251	39.603	ug/l	98
69) o-Xylene	12.16	106	89240	19.504	ug/l	100
70) Styrene	12.18	104	156490	19.818	ug/l	100
71) Bromoform	12.35	173	25024	19.074	ug/l #	99
73) Isopropylbenzene	12.46	105	249556	19.560	ug/l	100
74) N-amyl acetate	12.27	43	90252	20.312	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	52030	19.895	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	44112m	22.366	ug/l	
77) Bromobenzene	12.75	156	55762	19.475	ug/l	99
78) n-propylbenzene	12.80	91	307289	19.552	ug/l	100
79) 2-Chlorotoluene	12.89	91	176637	19.531	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	213537	19.701	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	15595	17.884	ug/l	96
82) 4-Chlorotoluene	12.99	91	182340	19.357	ug/l	99
83) tert-Butylbenzene	13.21	119	177863	19.676	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	213440	19.611	ug/l	100
85) sec-Butylbenzene	13.38	105	258932	19.851	ug/l	100
86) p-Isopropyltoluene	13.50	119	230160	19.673	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	108372	19.673	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	109705	19.777	ug/l	98
89) n-Butylbenzene	13.82	91	229333	19.650	ug/l	100
90) Hexachloroethane	14.10	117	40655	19.017	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	99472	19.904	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9066	19.544	ug/l	98

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MSVOA_W
ClientSampleId :
VW0708SBSD01

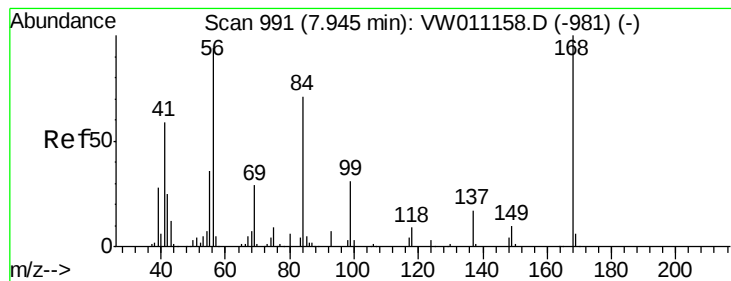
Manual Integrations
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Quant Time: Jul 09 07:05:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 09 06:41:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	69206	20.105	ug/l	98
94) Hexachlorobutadiene	15.24	225	41443	19.610	ug/l	99
95) Naphthalene	15.37	128	132583	20.100	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	61463	20.232	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011164.D

Acq: 08 Jul 2019 16:46

Instrument :

MSVOA_W

ClientSampleId :

VW0708SBS01

Tot Ion:168 Resp: 231031

Ion Ratio Lower Upper

168 100

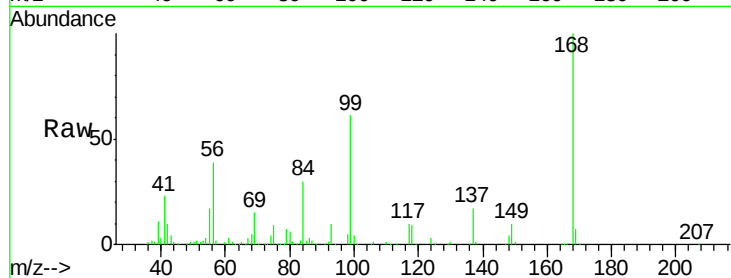
99 60.8 50.1 75.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

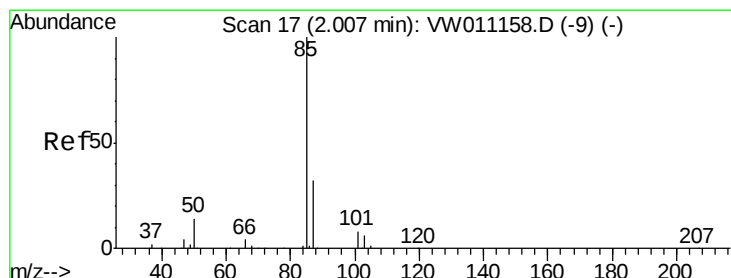
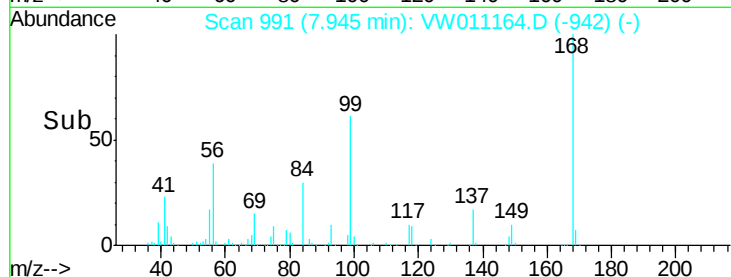
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 21.431 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW011164.D

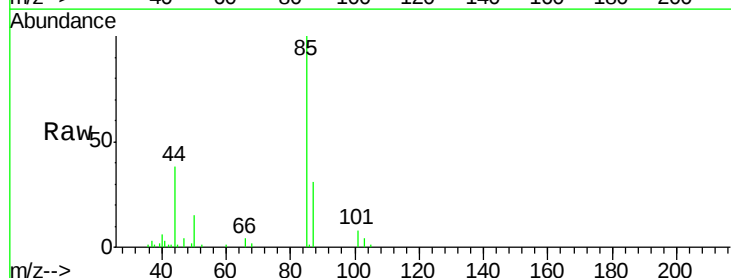
Acq: 08 Jul 2019 16:46

Tgt Ion: 85 Resp: 36926

Ion Ratio Lower Upper

85 100

87 31.4 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

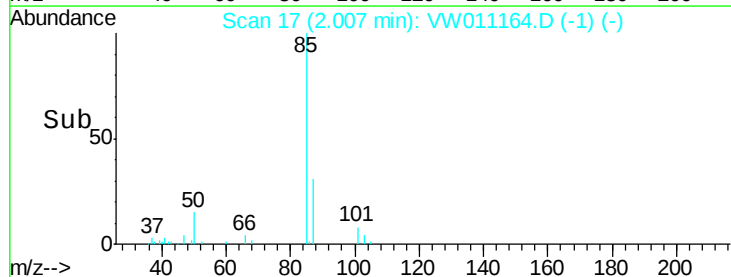
2.01

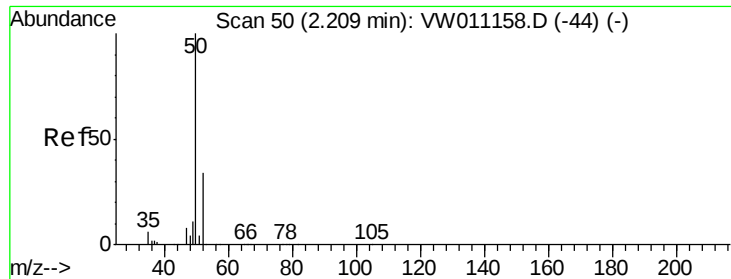
10000

5000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 20.395 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW011164.D

Acq: 08 Jul 2019 16:46

Instrument :

MSVOA_W

ClientSampleId :

VW0708SBS01

Tot Ion: 50 Resp: 45281

Ion Ratio Lower Upper

50 100

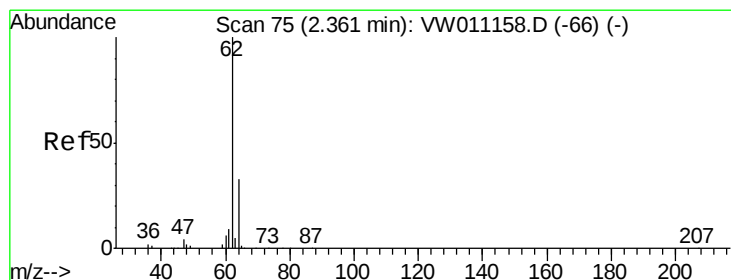
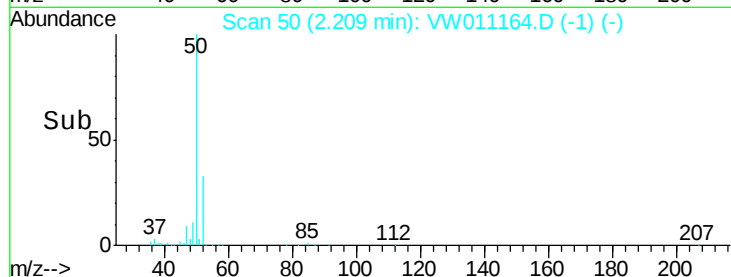
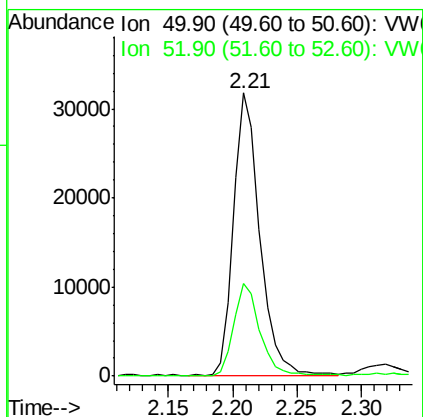
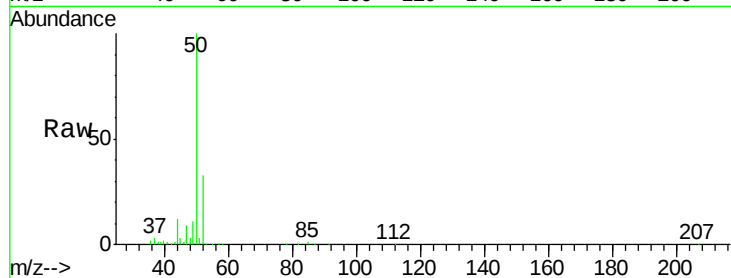
52 32.9 26.9 40.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.320 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011164.D

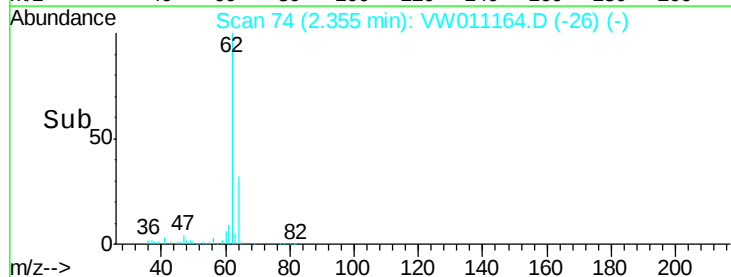
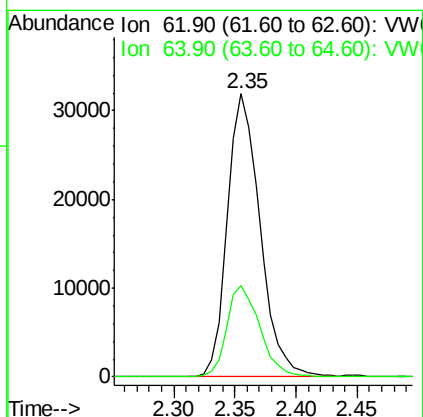
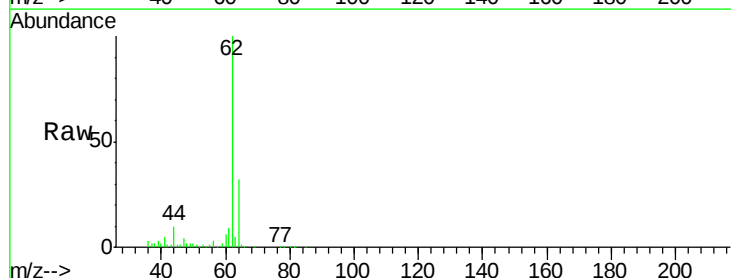
Acq: 08 Jul 2019 16:46

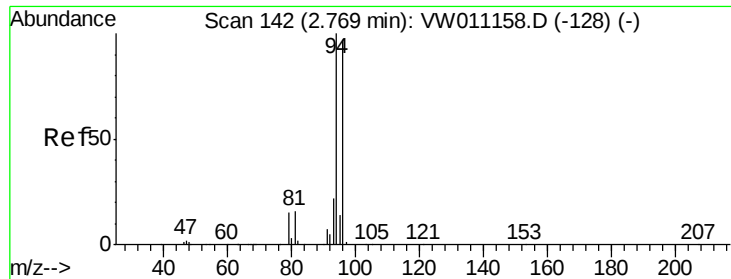
Tgt Ion: 62 Resp: 59051

Ion Ratio Lower Upper

62 100

64 32.2 26.6 40.0





#5

Bromomethane

Concen: 20.504 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW011164.D

Acq: 08 Jul 2019 16:46

Instrument :

MSVOA_W

ClientSampleId :

VW0708SBS01

Tot Ion: 94 Resp: 29941

Ion Ratio Lower Upper

94 100

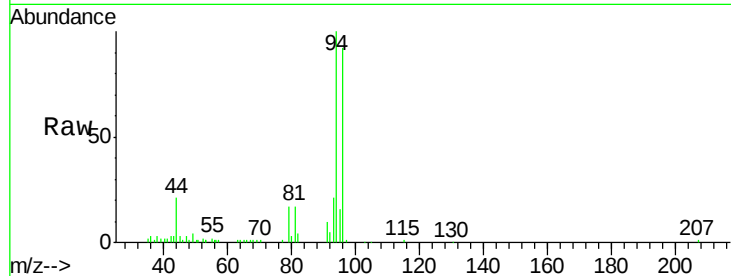
96 92.0 77.4 116.0

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

12000

10000

8000

6000

4000

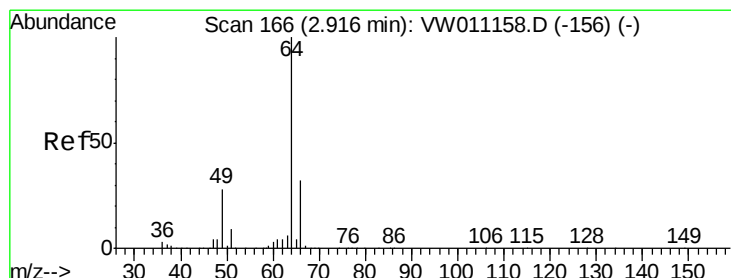
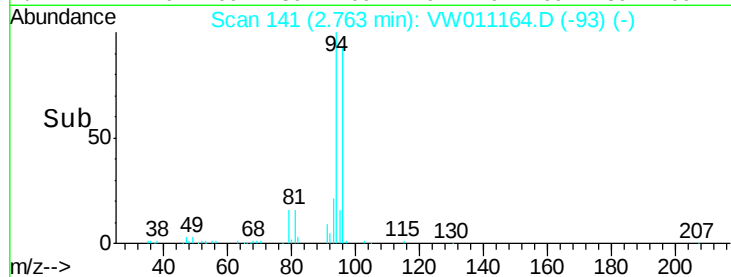
2000

0

2.76

2.70 2.80 2.90

Time-->



#6

Chloroethane

Concen: 19.973 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW011164.D

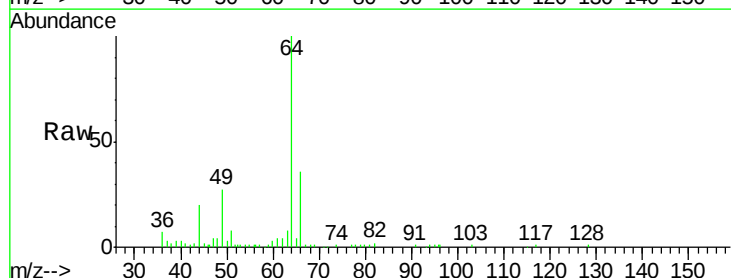
Acq: 08 Jul 2019 16:46

Tgt Ion: 64 Resp: 31262

Ion Ratio Lower Upper

64 100

66 35.3 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

12000

10000

8000

6000

4000

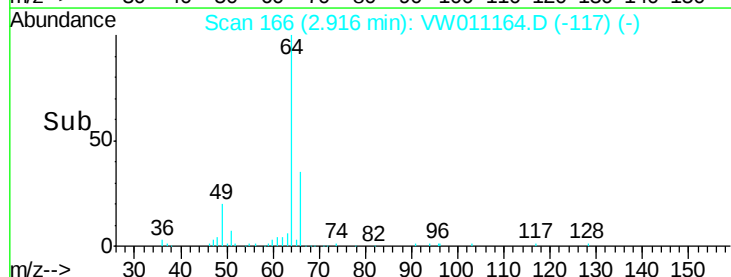
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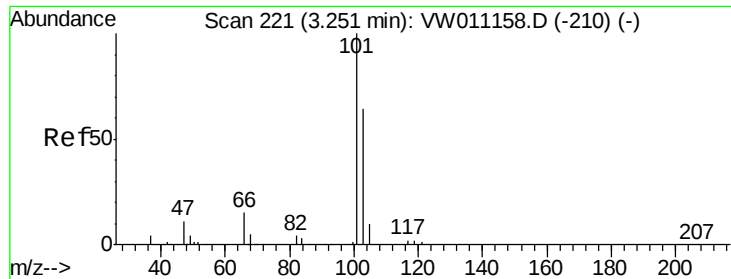
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2.92

2.80 2.90 3.00 3.10

Time-->





#7

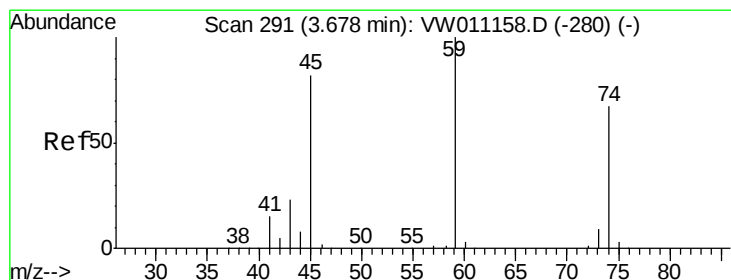
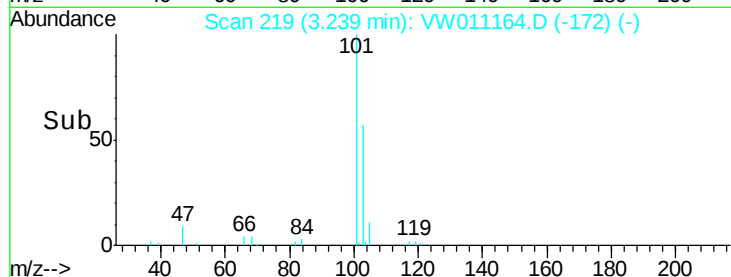
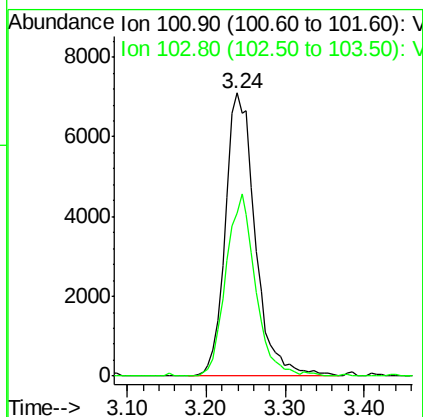
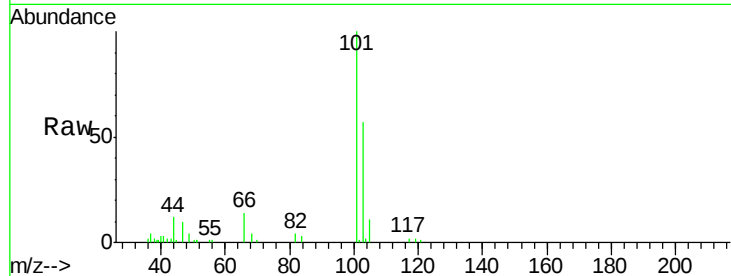
Trichlorofluoromethane
 Concen: 18.146 ug/l
 RT: 3.24 min Scan# 219
 Delta R.T. -0.01 min
 Lab File: VW011164.D
 Acq: 08 Jul 2019 16:46

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 VW0708SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	57.4	51.3	76.9

Manual Integrations
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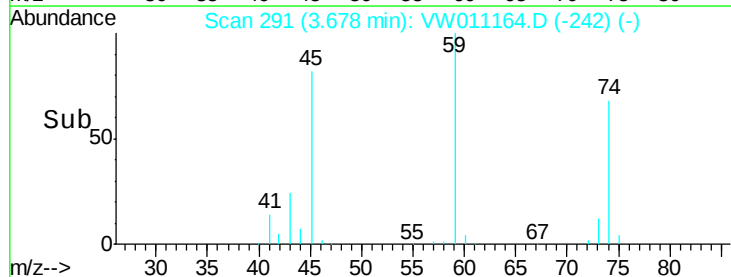
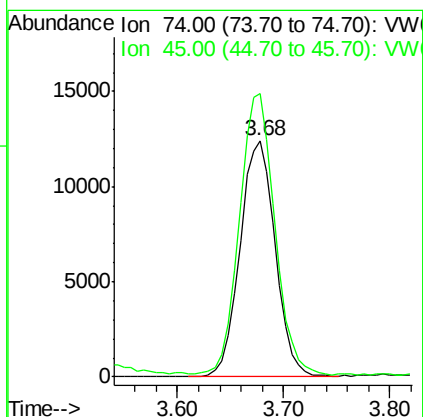
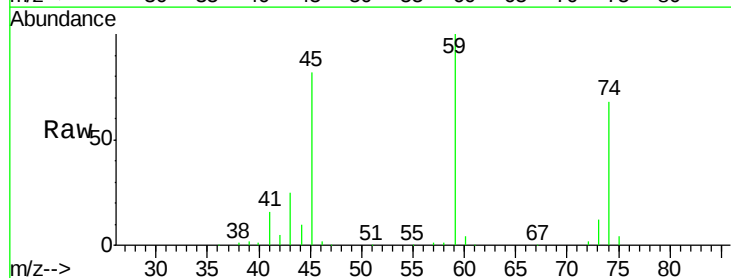
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 7/9/2019 4:13:15 PM



#8

Diethyl Ether
 Concen: 20.195 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW011164.D
 Acq: 08 Jul 2019 16:46

Tgt Ion	Ratio	Lower	Upper
74	100		
45	119.7	59.9	179.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.326 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW011164.D

Acq: 08 Jul 2019 16:46

Instrument :

MSVOA_W

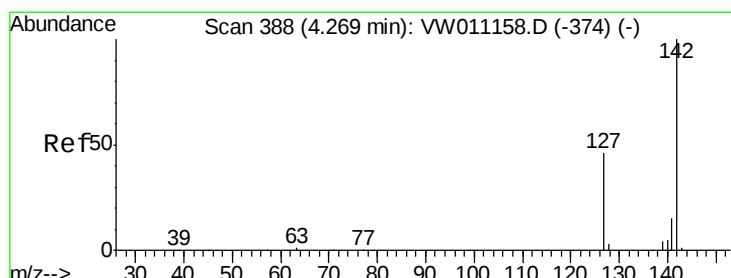
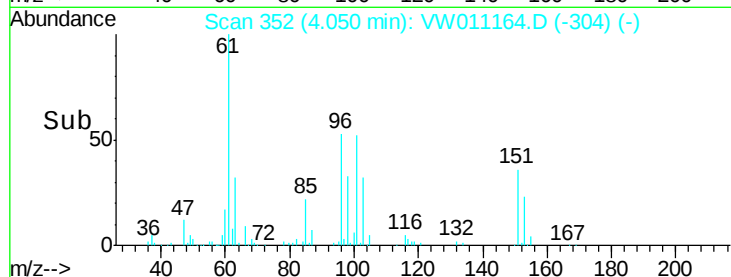
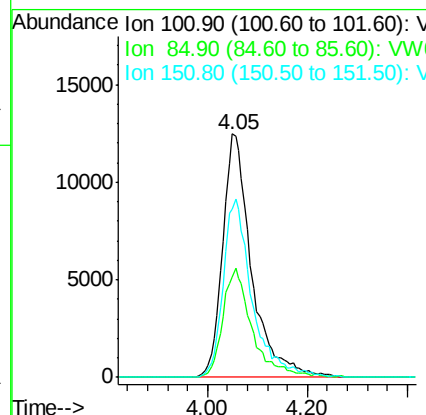
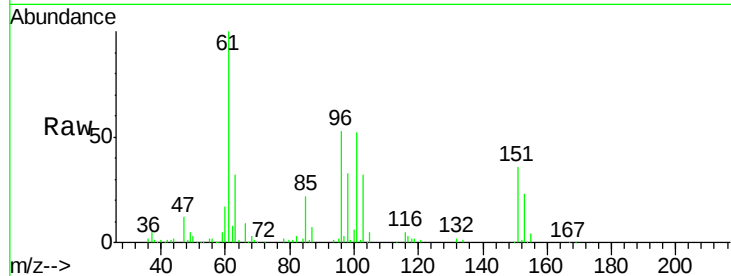
ClientSampleId :

VW0708SBS01

Tot Ion:	101	Resp:	50262
Ion Ratio	Lower	Upper	
101	100		
85	45.3	36.5	54.7
151	73.0	59.1	88.7

Manual Integrations
APPROVED

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#10

Methyl Iodide

Concen: 19.815 ug/l

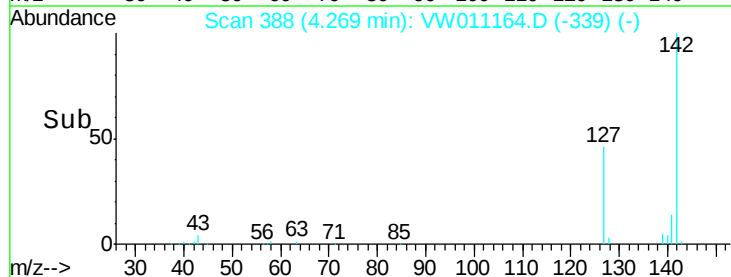
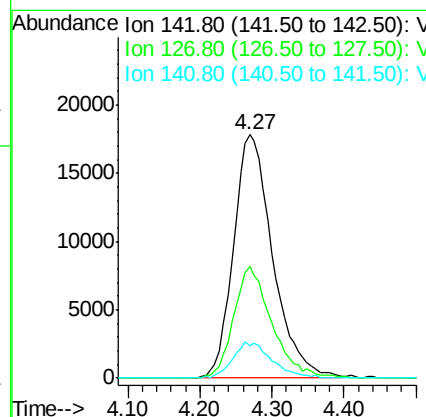
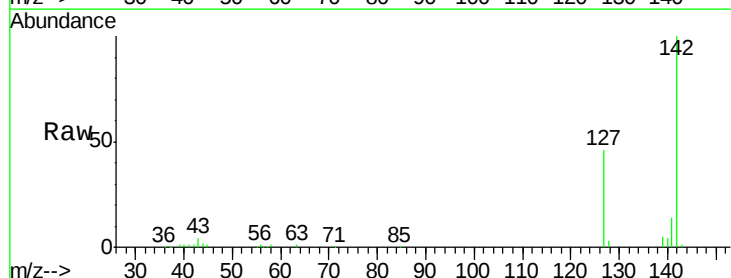
RT: 4.27 min Scan# 388

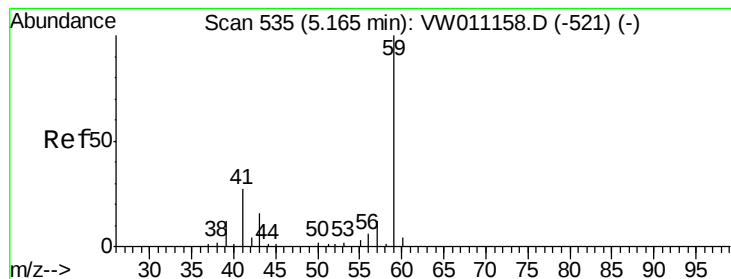
Delta R.T. 0.00 min

Lab File: VW011164.D

Acq: 08 Jul 2019 16:46

Tgt Ion:	142	Resp:	67391
Ion Ratio	Lower	Upper	
142	100		
127	44.5	35.7	53.5
141	14.9	11.5	17.3





#11

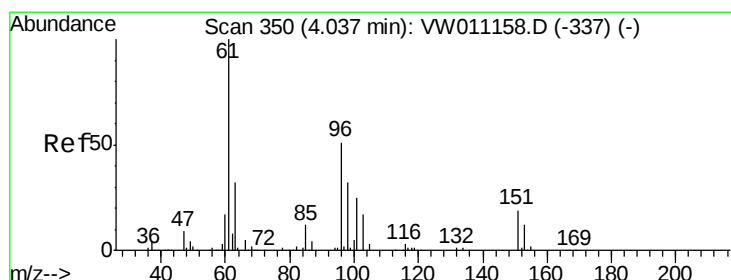
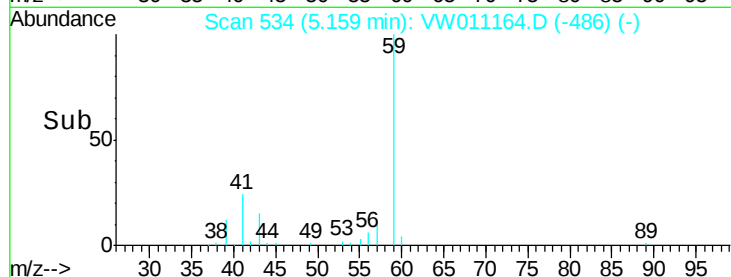
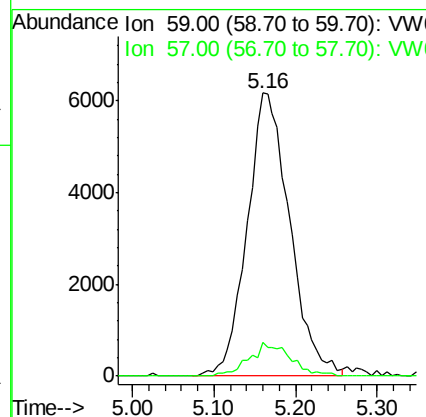
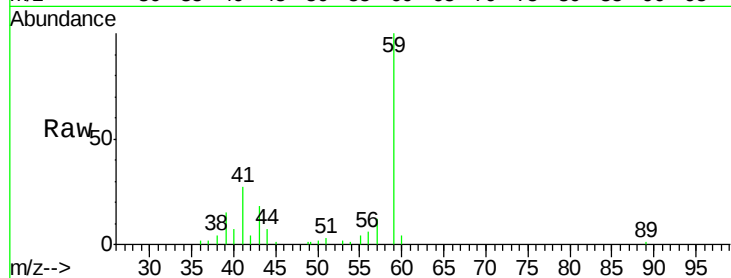
Tert butyl alcohol
 Concen: 104.337 ug/l
 RT: 5.16 min Scan# 534
 Delta R.T. -0.01 min
 Lab File: VW011164.D
 Acq: 08 Jul 2019 16:46

Instrument :
 MSVOA_W
 ClientSampled :
 VW0708SBS01

Tot Ion	59	57	Ratio	100	11.3	Resp	22425	Lower	9.0	Upper	13.6
Ion	59	57	Ratio	100	11.3	Resp	22425	Lower	9.0	Upper	13.6

Manual Integrations
 APPROVED

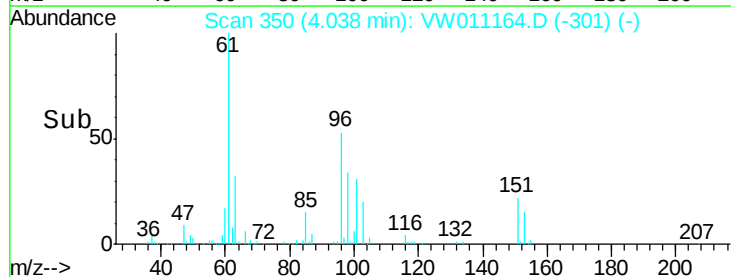
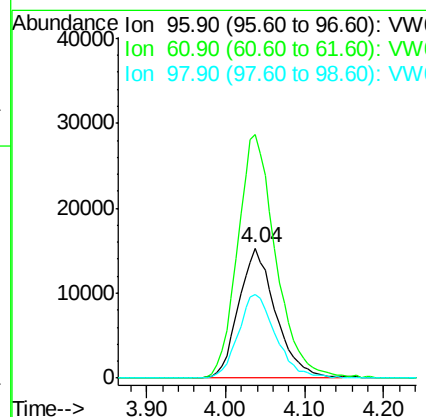
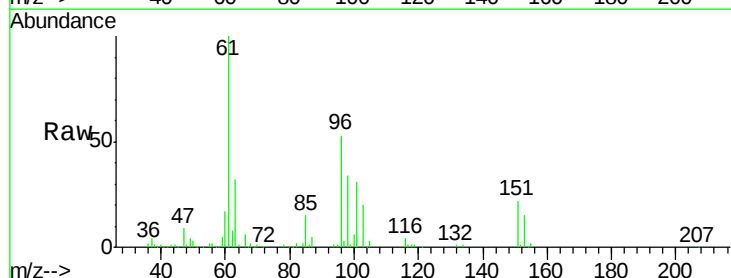
MMDadoda
 7/9/2019 4:13:15 PM

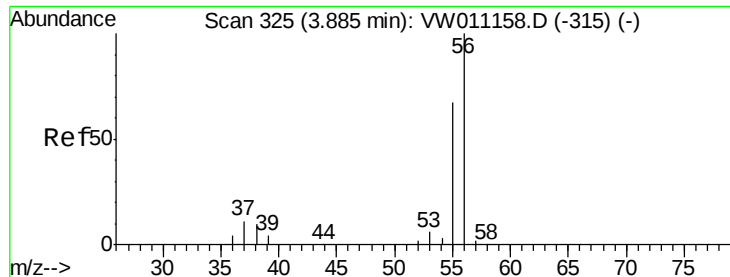


#12

1,1-Dichloroethene
 Concen: 19.512 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW011164.D
 Acq: 08 Jul 2019 16:46

Tgt Ion	96	61	98	Ratio	100	187.7	64.1	Resp	50078	Lower	157.7	50.9	Upper	236.5	76.3
Ion	96	61	98	Ratio	100	187.7	64.1	Resp	50078	Lower	157.7	50.9	Upper	236.5	76.3





#13

Acrolein

Concen: 89.065 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW011164.D

Acq: 08 Jul 2019 16:46

Instrument :

MSVOA_W

ClientSampleId :

VW0708SBS01

Tot Ion: 56 Resp: 15243

Ion Ratio Lower Upper

56 100

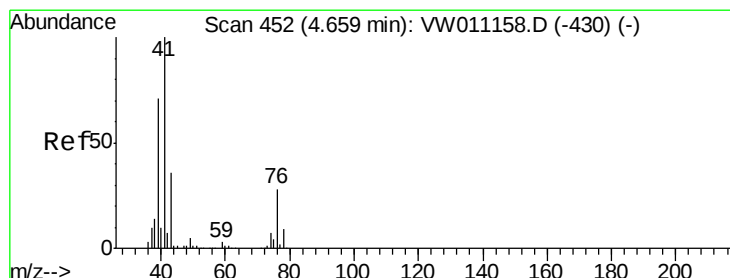
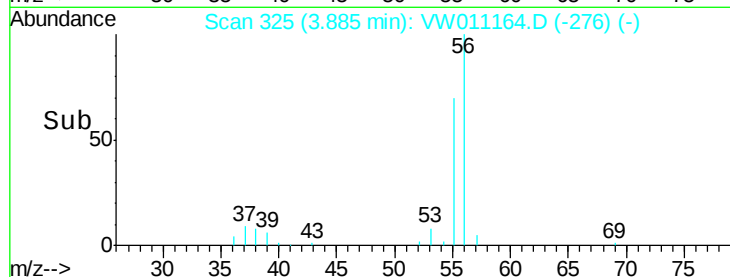
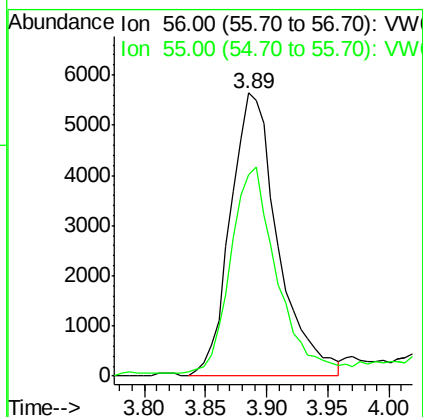
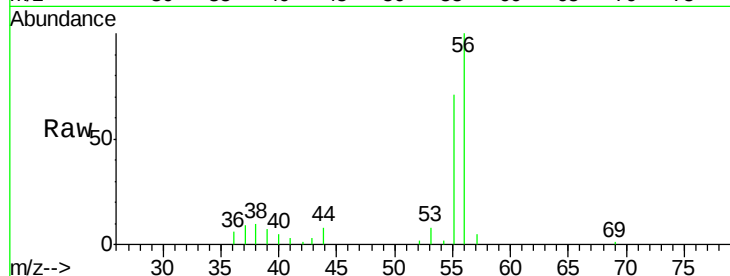
55 69.8 56.4 84.6

Manual Integrations

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#14

Allyl chloride

Concen: 19.071 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW011164.D

Acq: 08 Jul 2019 16:46

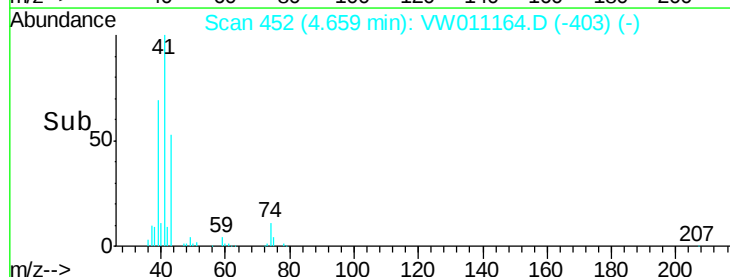
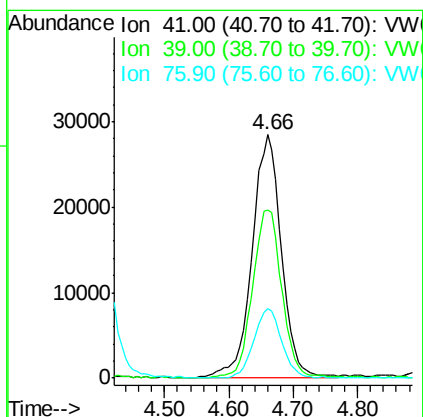
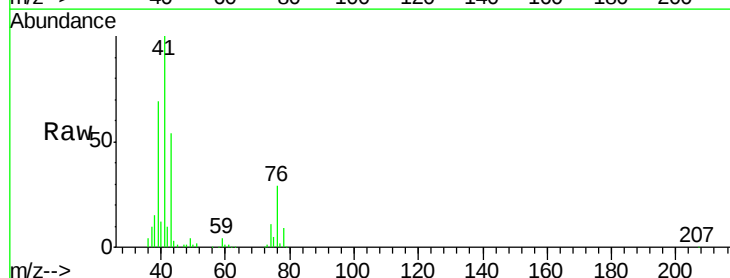
Tgt Ion: 41 Resp: 89257

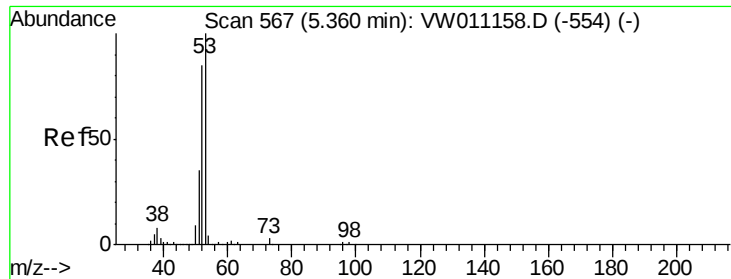
Ion Ratio Lower Upper

41 100

39 68.1 55.1 82.7

76 27.0 22.5 33.7





#15

Acrylonitrile

Concen: 103.248 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW011164.D

Acq: 08 Jul 2019 16:46

Instrument :

MSVOA_W

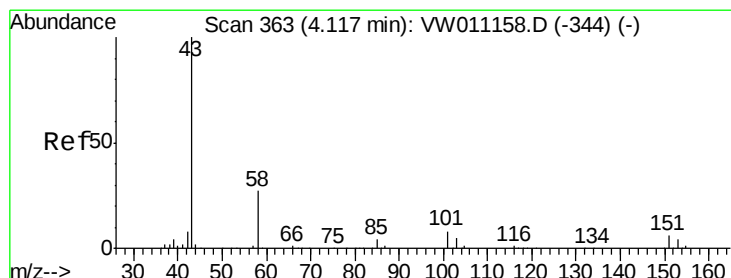
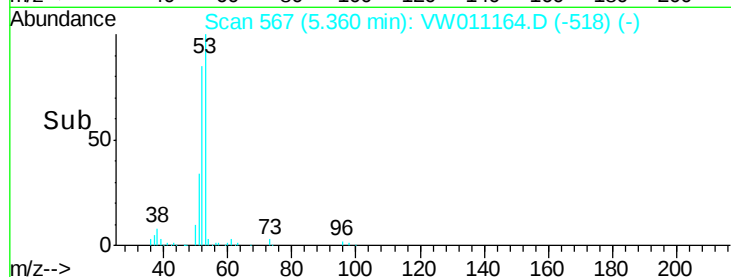
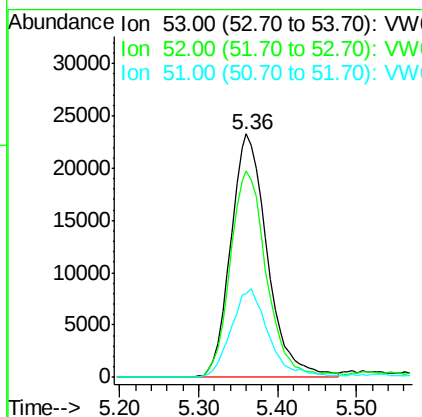
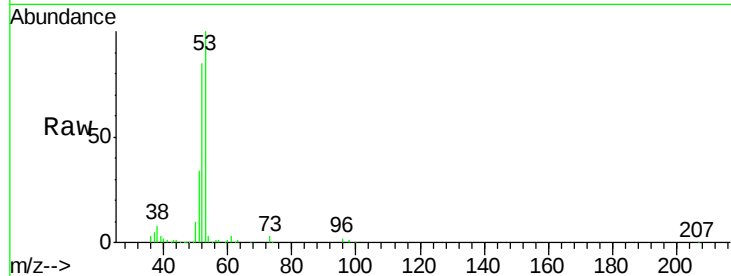
ClientSampleId :

VW0708SBS01

Tot Ion:	53	Resp:	75110
Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.2	99.4
51	37.0	29.1	43.7

Manual Integrations
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#16

Acetone

Concen: 97.935 ug/l

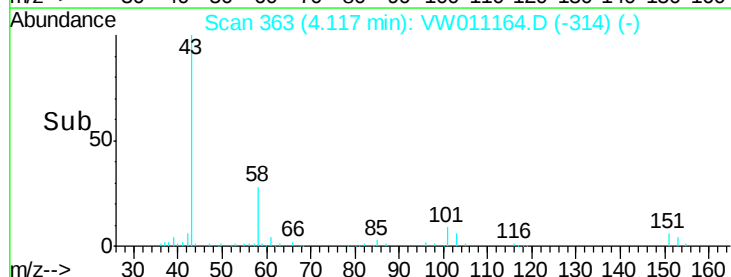
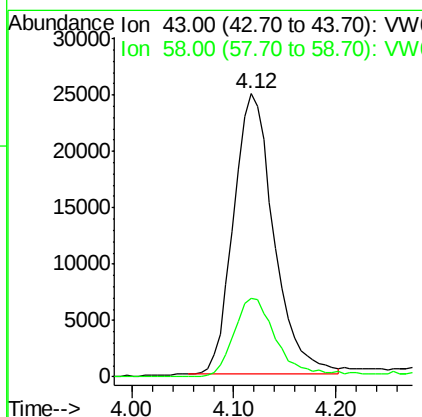
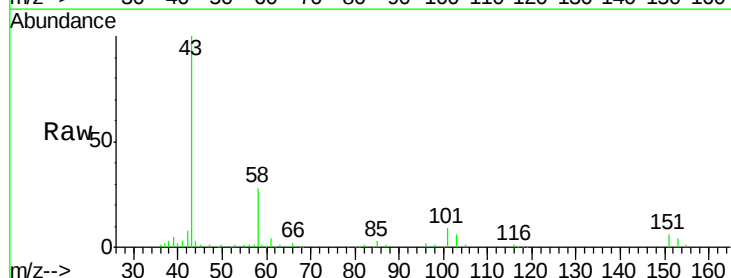
RT: 4.12 min Scan# 363

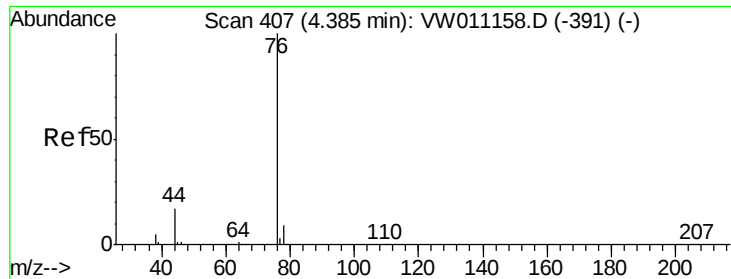
Delta R.T. 0.00 min

Lab File: VW011164.D

Acq: 08 Jul 2019 16:46

Tgt Ion:	43	Resp:	68407
Ion	Ratio	Lower	Upper
43	100		
58	27.6	21.8	32.6





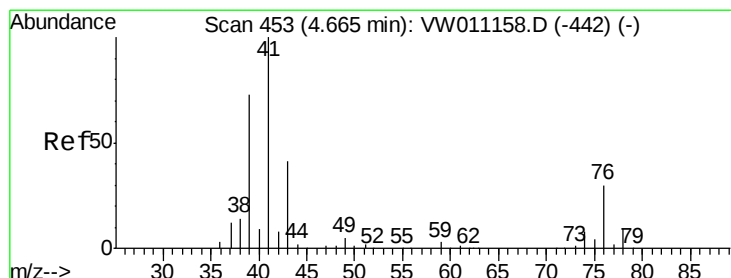
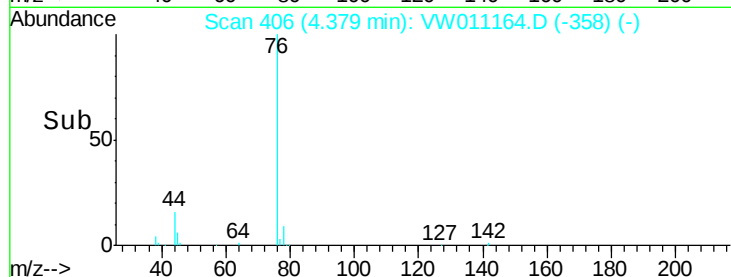
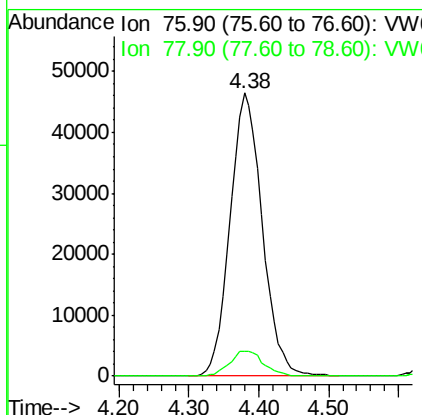
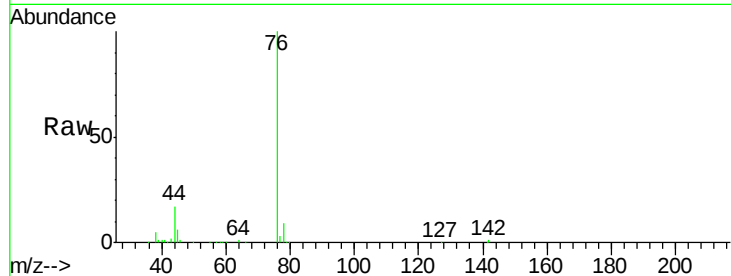
#17
Carbon Disulfide
Concen: 19.096 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

Instrument :
MSVOA_W
ClientSampleId :
VW0708SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.1	10.7

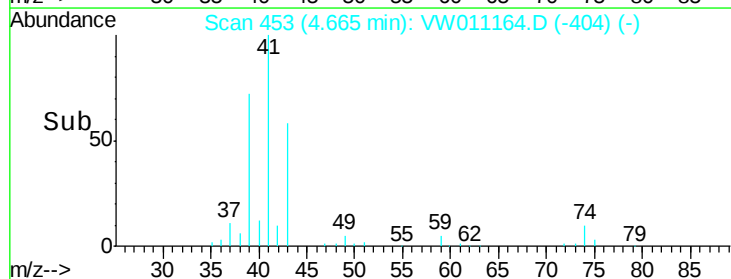
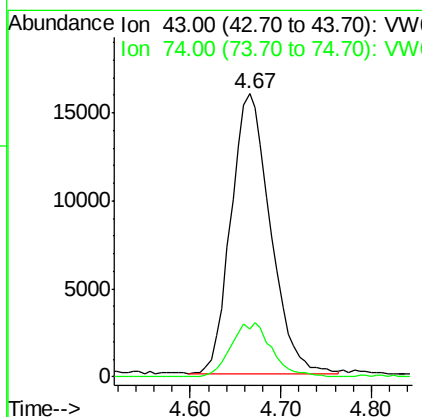
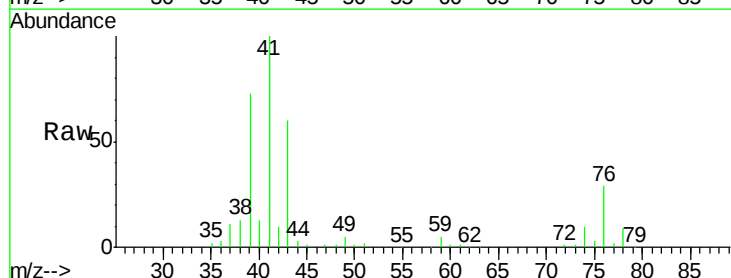
Manual Integrations
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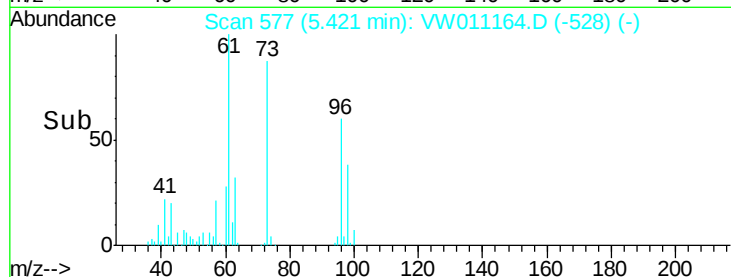
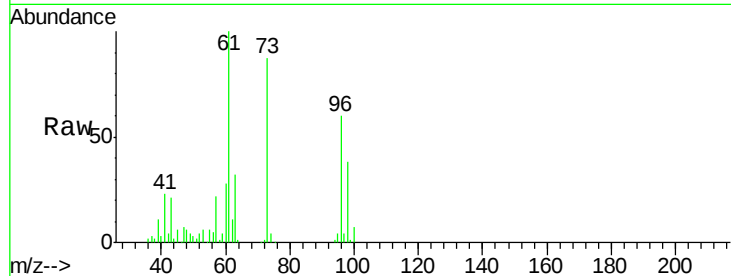
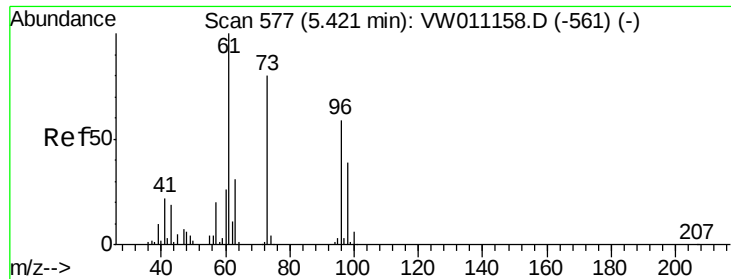
MMDadoda
7/9/2019 4:13:15 PM



#18
Methyl Acetate
Concen: 23.251 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.0	15.7	23.5





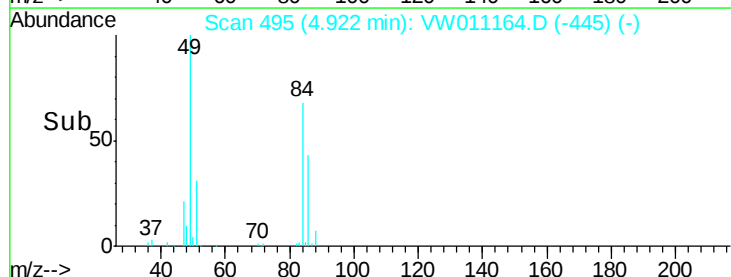
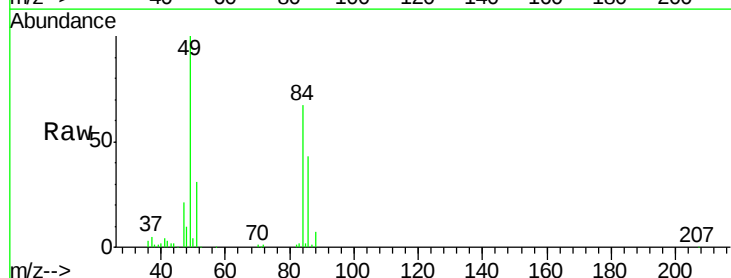
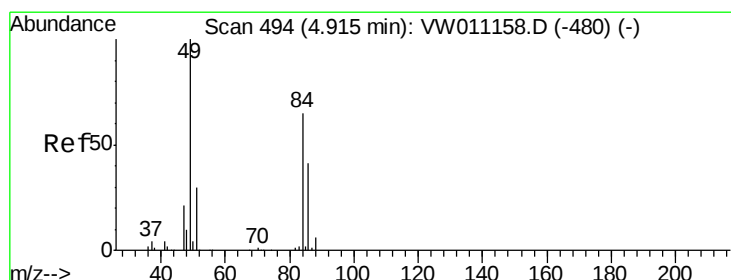
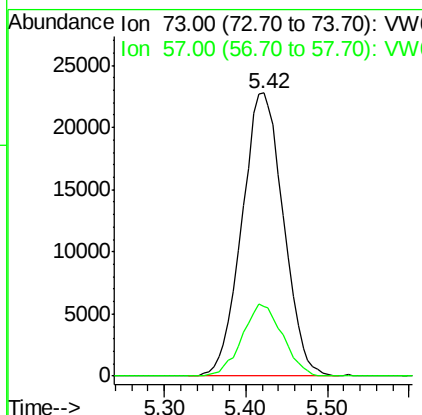
#19
Methyl tert-butyl Ether
Concen: 20.702 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

Tot Ion: 73 Resp: 80618
Ion Ratio Lower Upper
73 100
57 24.8 19.7 29.5

Instrument :
MSVOA_W
ClientSampled :
VW0708SBS01

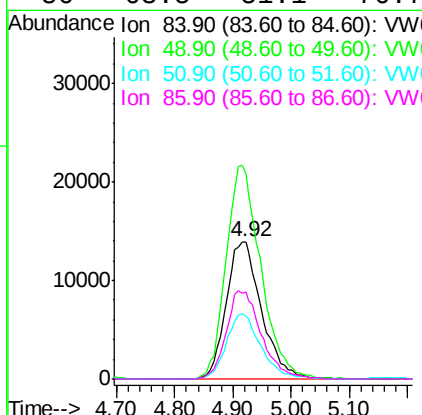
Manual Integrations
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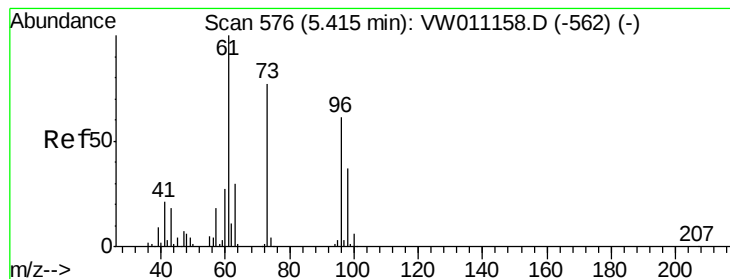
MMDadoda
7/9/2019 4:13:15 PM



#20
Methylene Chloride
Concen: 21.239 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

Tgt Ion: 84 Resp: 58524
Ion Ratio Lower Upper
84 100
49 148.5 123.8 185.6
51 45.8 37.4 56.2
86 63.5 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 19.621 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW011164.D

Acq: 08 Jul 2019 16:46

Instrument :

MSVOA_W

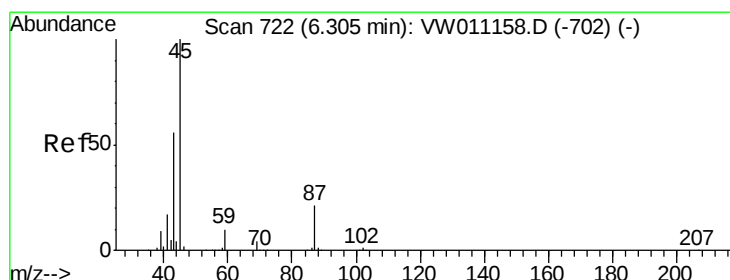
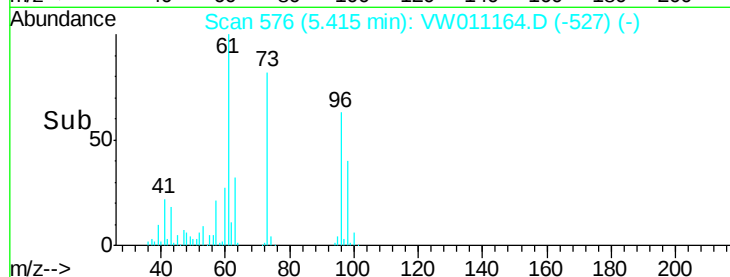
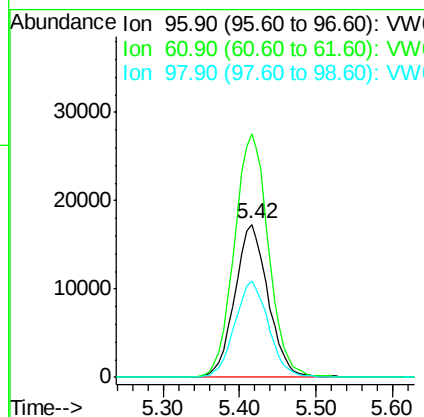
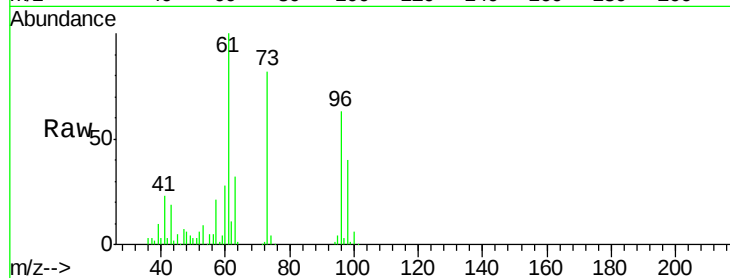
ClientSampleId :

VW0708SBS01

Tot Ion:	96	Resp:	52327
Ion	Ratio	Lower	Upper
96	100		
61	159.3	132.2	198.2
98	63.1	49.4	74.0

Manual Integrations
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7/9/2019 4:13:15 PM



#22

Diisopropyl ether

Concen: 20.317 ug/l

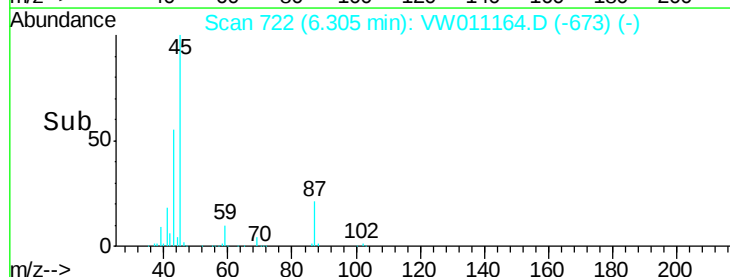
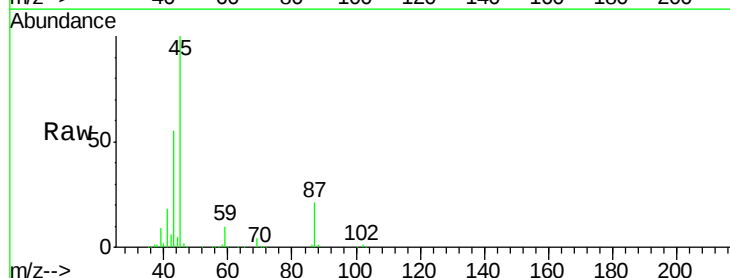
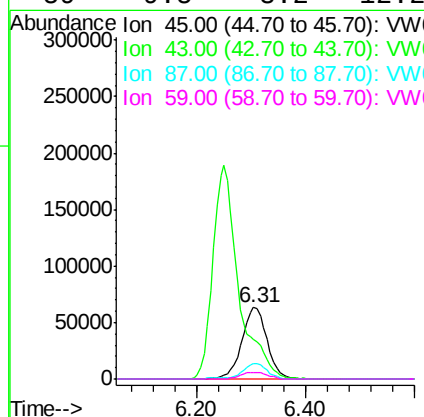
RT: 6.31 min Scan# 722

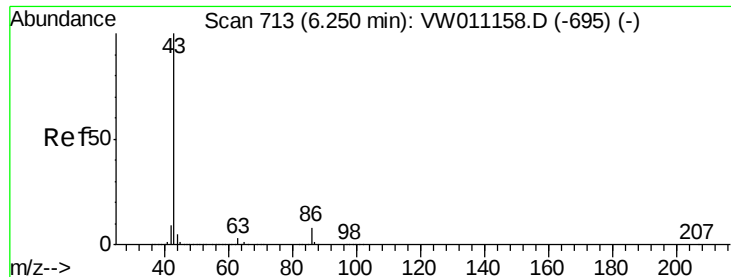
Delta R.T. 0.00 min

Lab File: VW011164.D

Acq: 08 Jul 2019 16:46

Tgt Ion:	45	Resp:	204518
Ion	Ratio	Lower	Upper
45	100		
43	54.9	44.6	66.8
87	21.1	17.3	25.9
59	9.5	8.2	12.2





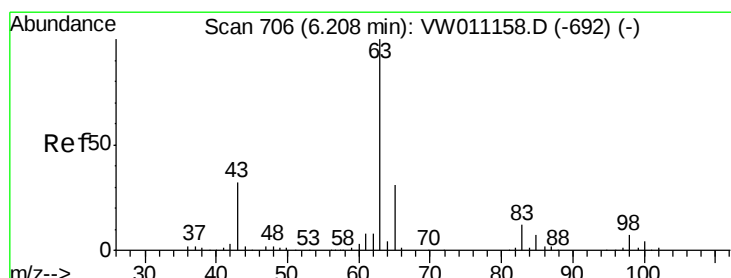
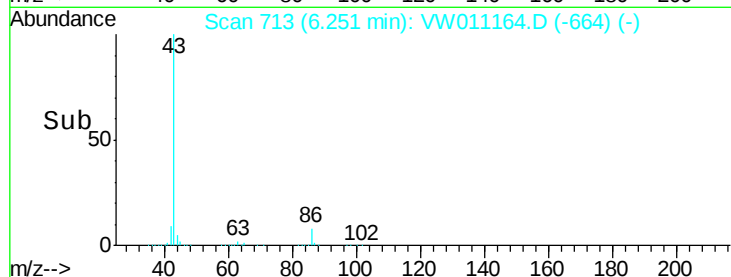
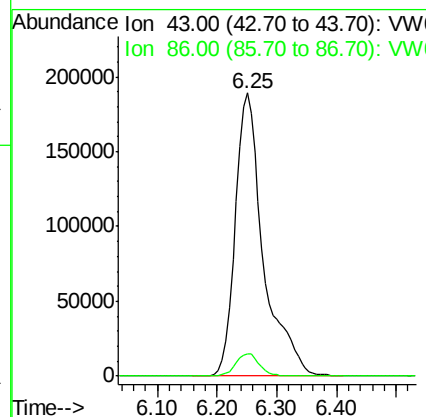
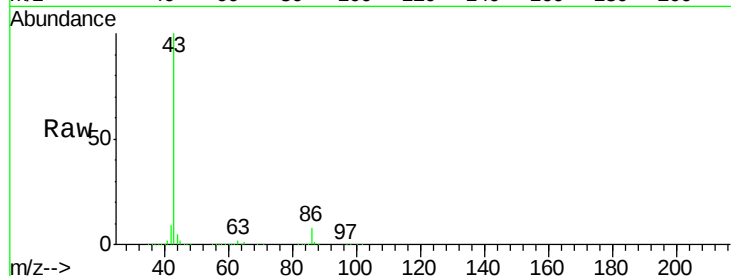
#23
 Vinyl Acetate
 Concen: 99.547 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VW011164.D
 Acq: 08 Jul 2019 16:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0708SBS01

Tot Ion	Ratio	Resp	Lower	Upper
43	100	620143		
86	8.1		6.5	9.7

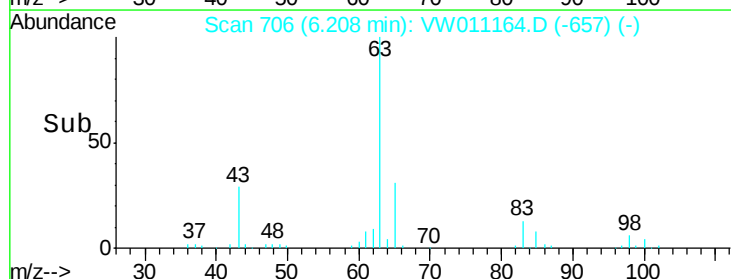
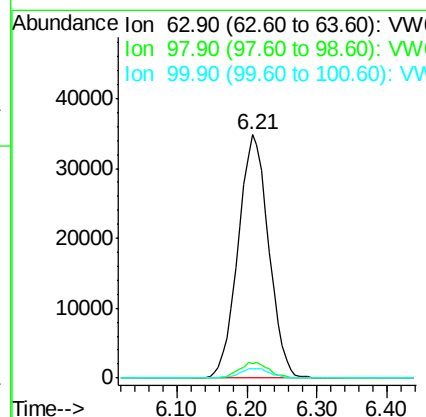
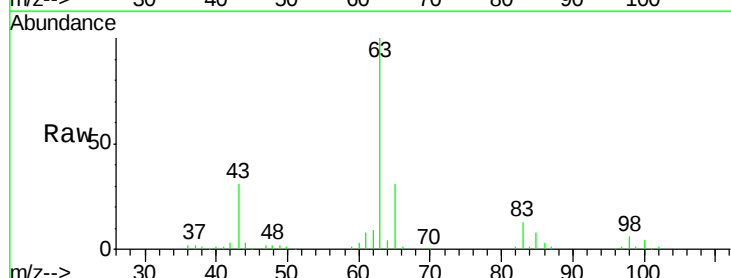
Manual Integrations
 APPROVED

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 7/9/2019 4:13:15 PM



#24
 1,1-Dichloroethane
 Concen: 19.973 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: VW011164.D
 Acq: 08 Jul 2019 16:46

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	105573		
98	6.2		3.3	9.9
100	3.9		2.1	6.2





#25

2-Butanone

Concen: 103.205 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW011164.D

Acq: 08 Jul 2019 16:46

Instrument :

MSVOA_W

ClientSampleId :

VW0708SBS01

Tot Ion: 43 Resp: 113159

Ion Ratio Lower Upper

43 100

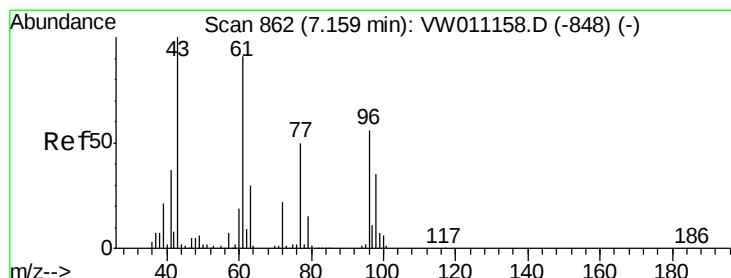
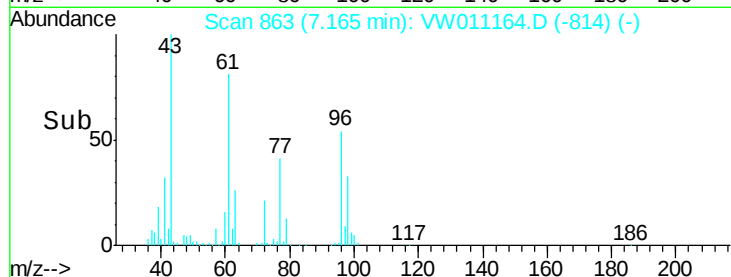
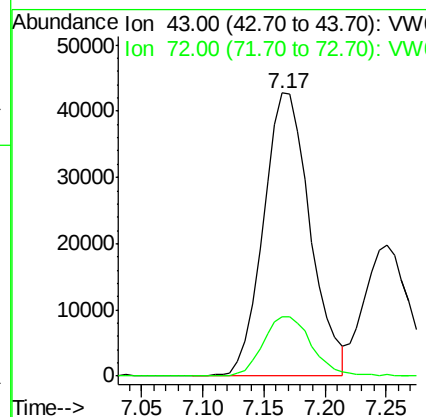
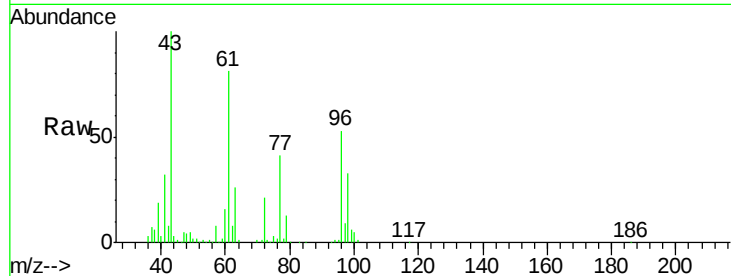
72 20.9 17.6 26.4

Manual Integrations

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MMDadoda

7/9/2019 4:13:15 PM



#26

2,2-Dichloropropane

Concen: 19.408 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW011164.D

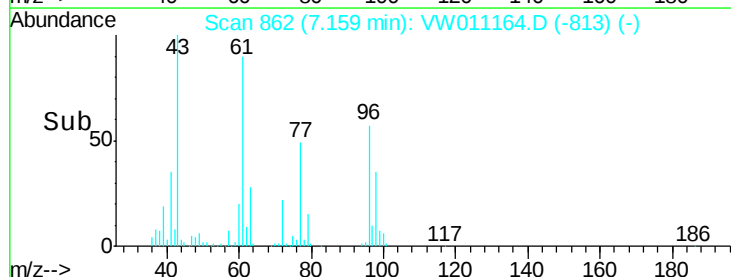
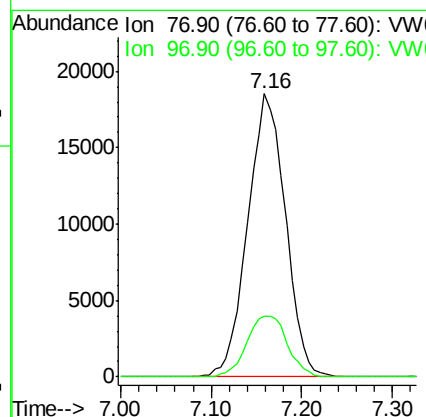
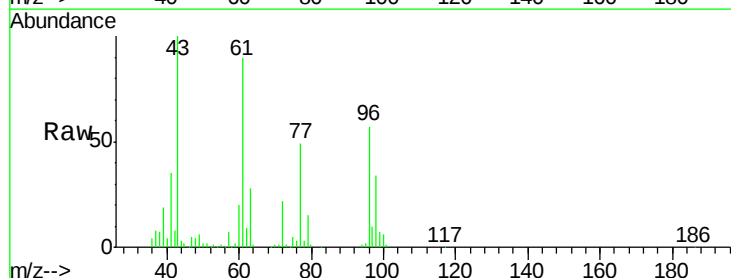
Acq: 08 Jul 2019 16:46

Tgt Ion: 77 Resp: 53327

Ion Ratio Lower Upper

77 100

97 23.0 11.2 33.5





#27

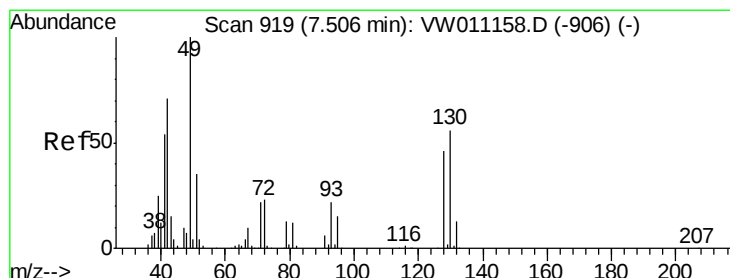
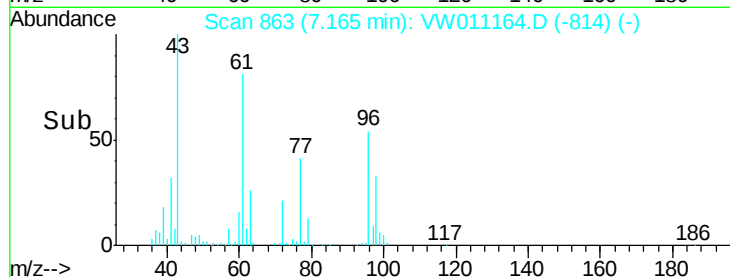
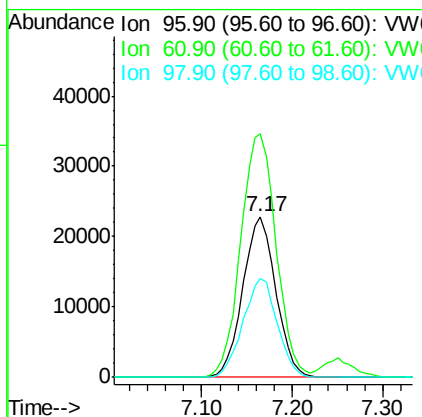
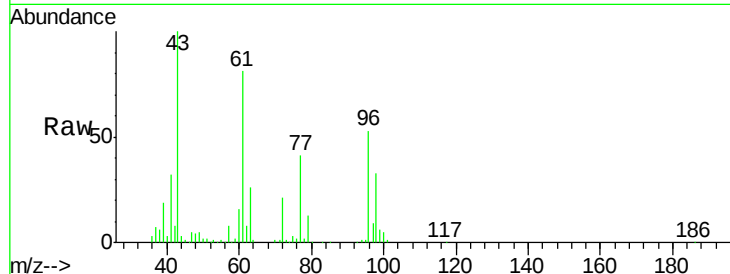
cis-1,2-Dichloroethene
Concen: 20.078 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

Instrument :
MSVOA_W
ClientSampleId :
VW0708SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	161.4	0.0	325.6
98	63.7	0.0	128.2

Manual Integrations
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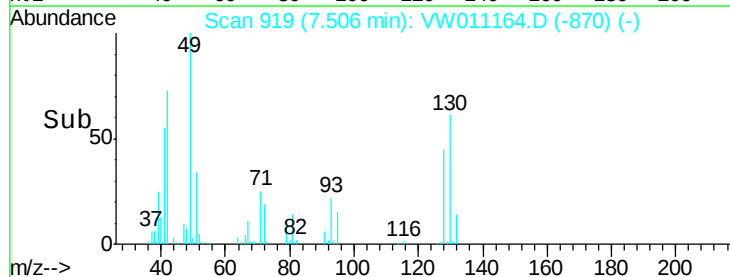
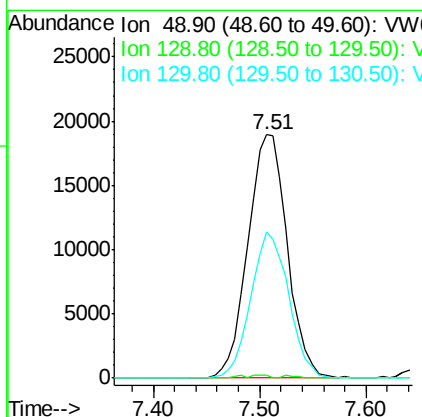
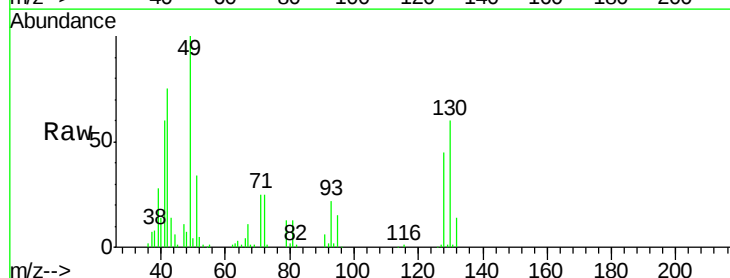
MMDadoda
7/9/2019 4:13:15 PM

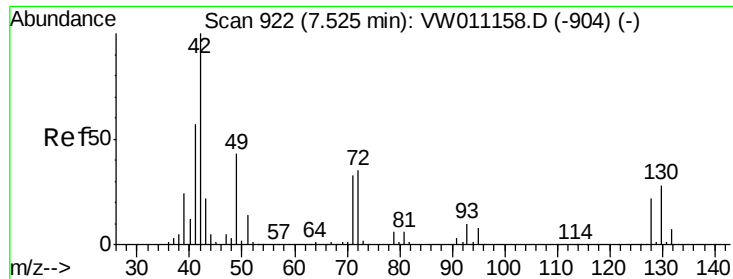


#28

Bromochloromethane
Concen: 20.457 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	1.4
130	57.4	45.8	68.8





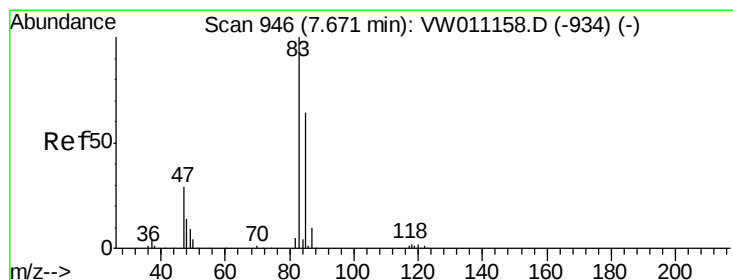
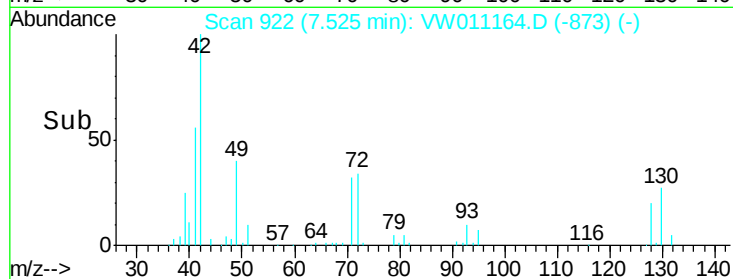
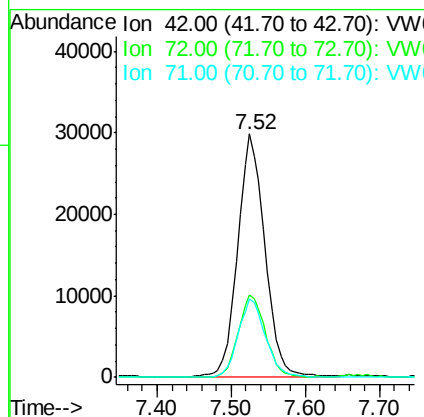
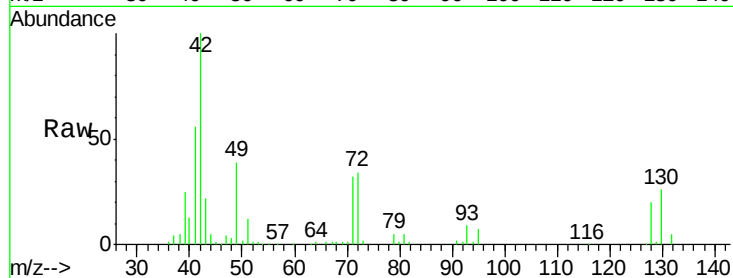
#29
Tetrahydrofuran
Concen: 106.052 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

Instrument :
MSVOA_W
ClientSampleId :
VW0708SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.0	27.4	41.2
71	32.4	25.9	38.9

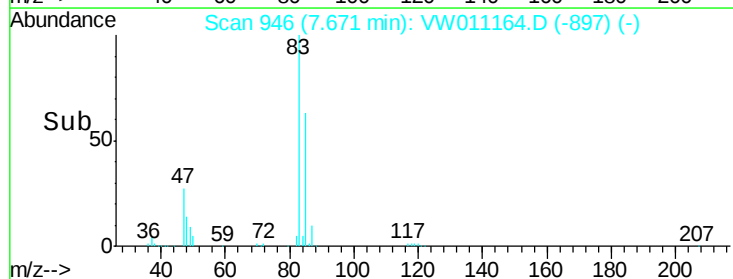
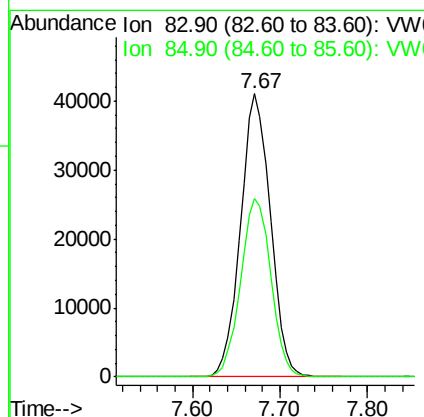
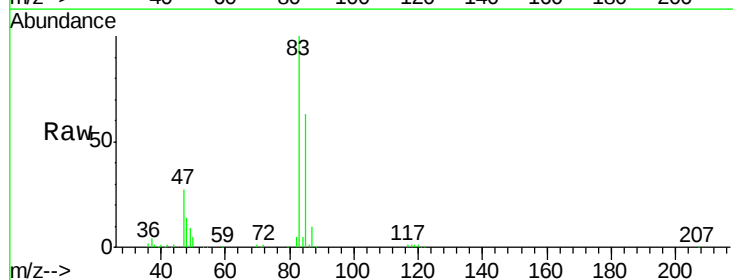
Manual Integrations
APPROVED

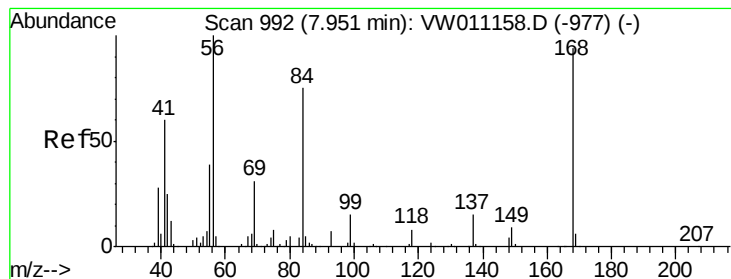
MMDadoda
7/9/2019 4:13:15 PM



#30
Chloroform
Concen: 19.929 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.4	77.2





#31

Cyclohexane

Concen: 19.837 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW011164.D

Acq: 08 Jul 2019 16:46

Instrument :

MSVOA_W

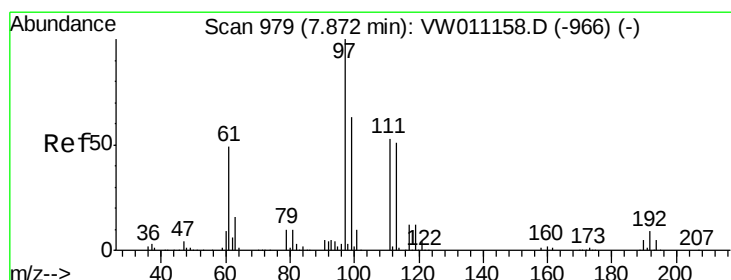
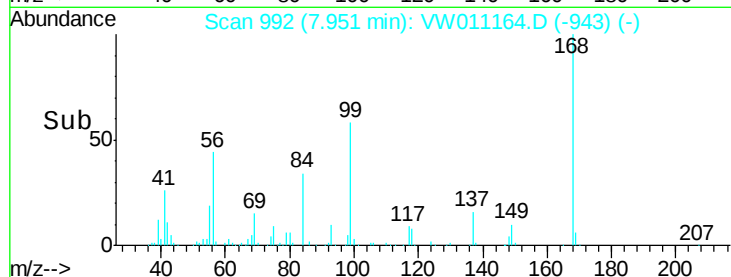
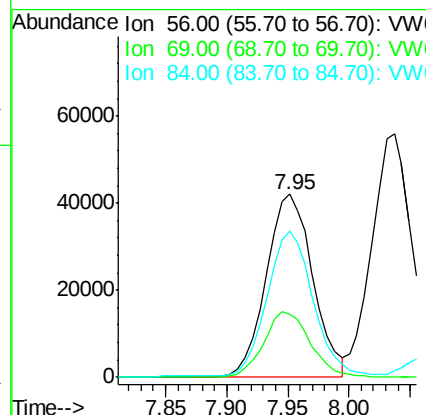
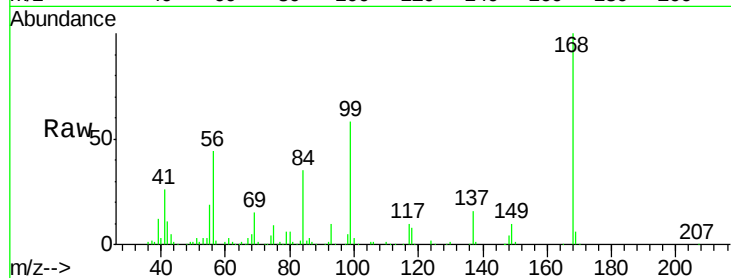
ClientSampled :

VW0708SBS01

Tot Ion:	56	Resp:	111554
Ion Ratio		Lower	Upper
56	100		
69	34.3	24.6	36.8
84	78.6	60.1	90.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.325 ug/l

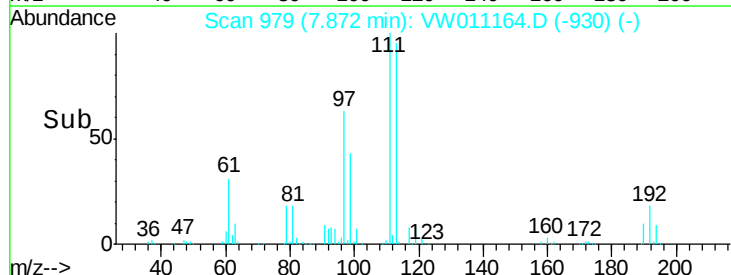
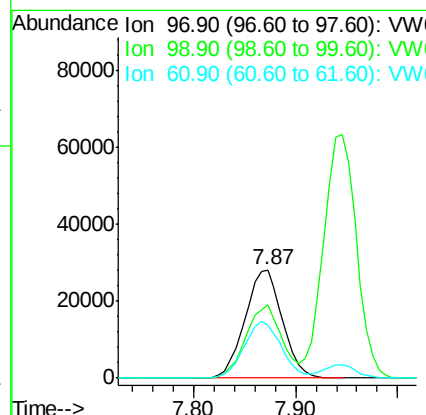
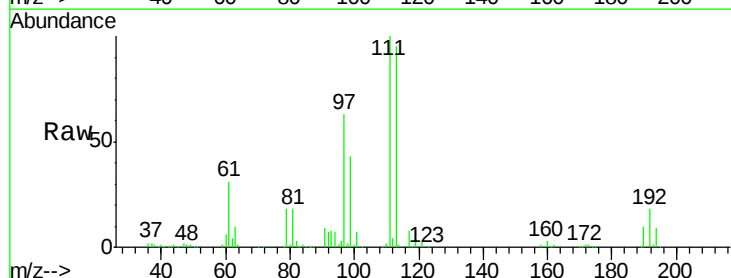
RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW011164.D

Acq: 08 Jul 2019 16:46

Tgt Ion:	97	Resp:	71963
Ion Ratio		Lower	Upper
97	100		
99	65.1	51.0	76.4
61	51.7	40.4	60.6





#33

1,2-Dichloroethane-d4

Concen: 51.546 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW011164.D

Acq: 08 Jul 2019 16:46

Instrument :

MSVOA_W

ClientSampleId :

VW0708SBS01

Tot Ion: 65 Resp: 149636

Ion Ratio Lower Upper

65 100

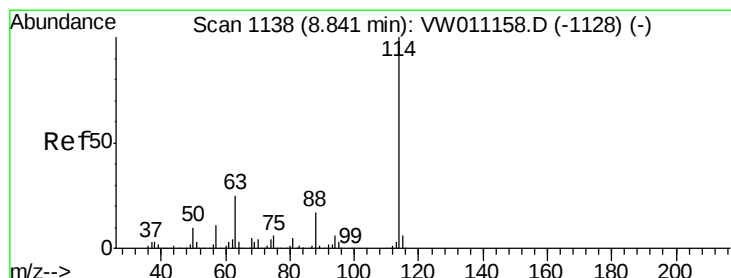
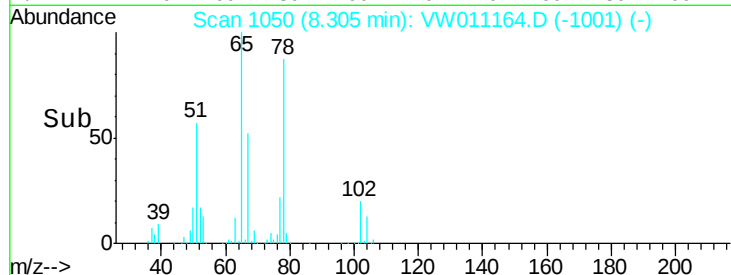
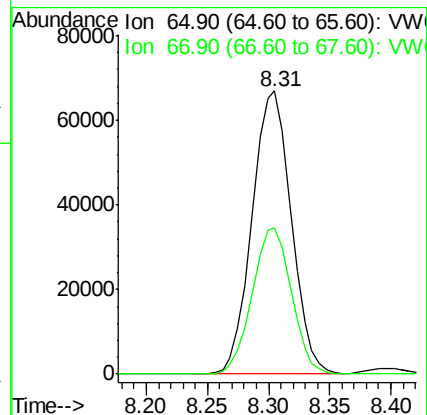
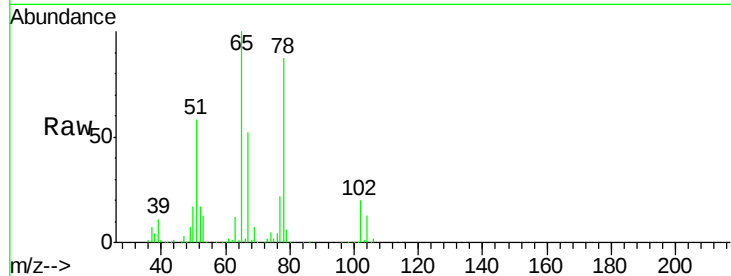
67 51.9 0.0 104.4

Manual Integrations

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7/9/2019 4:13:15 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW011164.D

Acq: 08 Jul 2019 16:46

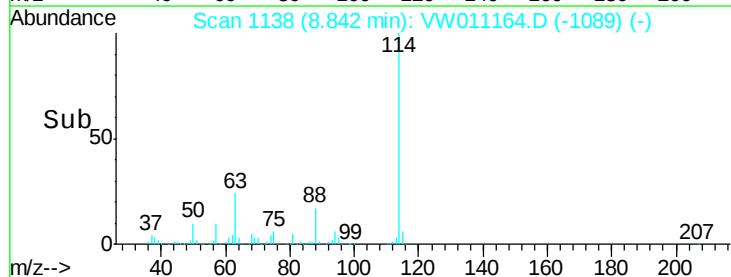
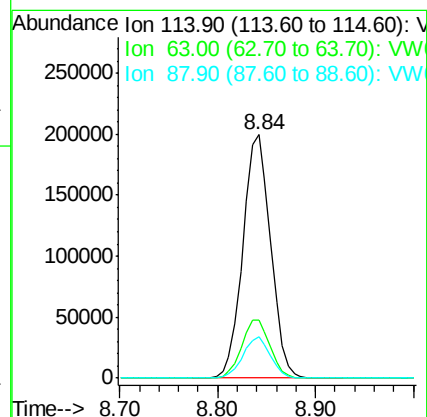
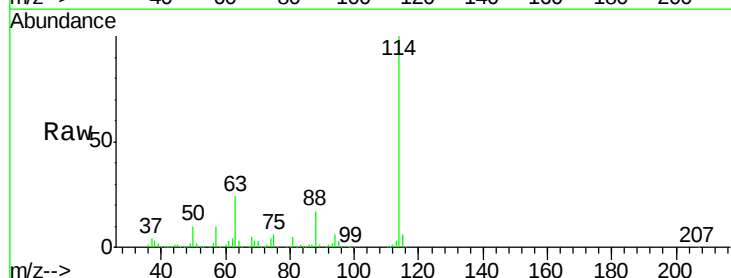
Tgt Ion: 114 Resp: 392056

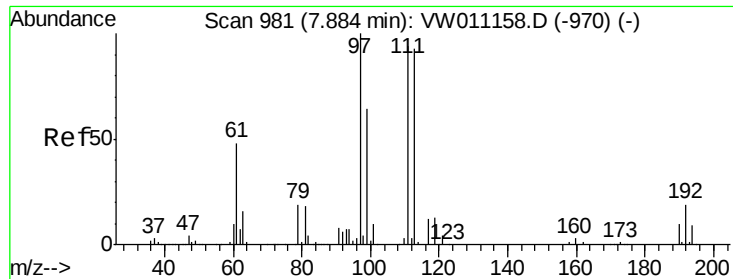
Ion Ratio Lower Upper

114 100

63 23.8 0.0 50.8

88 17.1 0.0 34.2





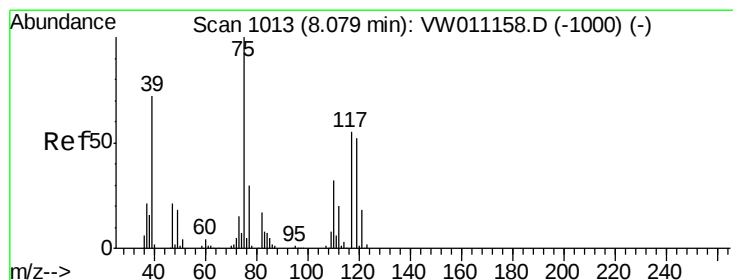
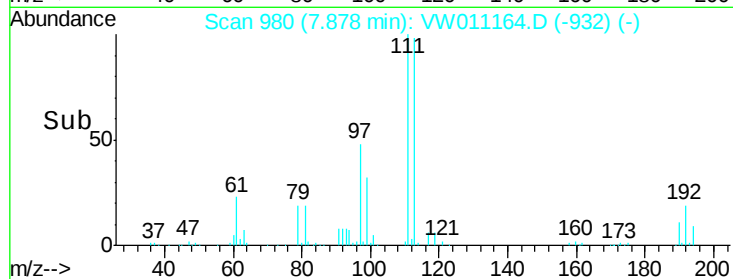
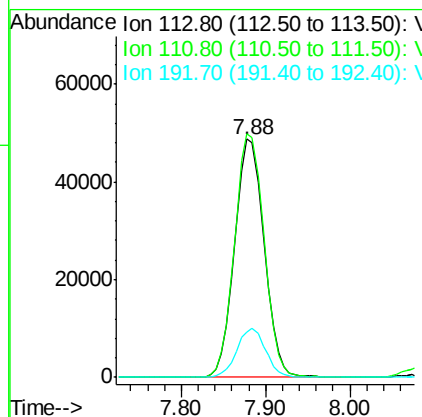
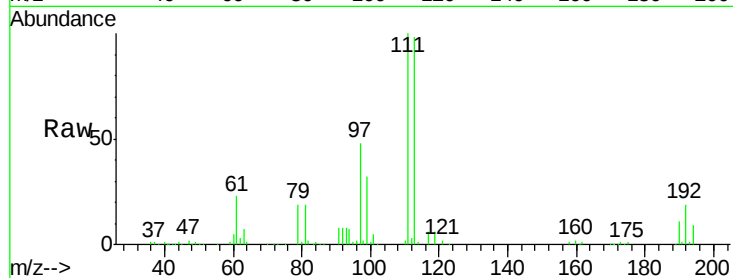
#35
Dibromofluoromethane
Concen: 49.432 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.01 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

Instrument :
MSVOA_W
ClientSampleId :
VW0708SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.5	82.4	123.6	
192	19.9	15.8	23.8	

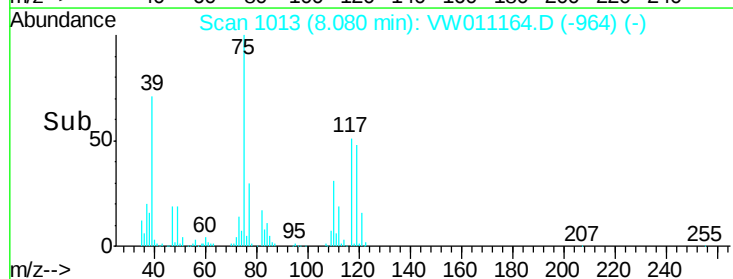
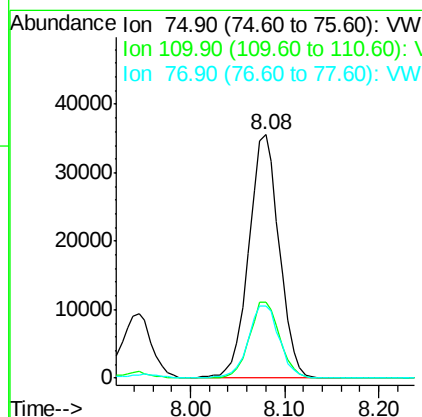
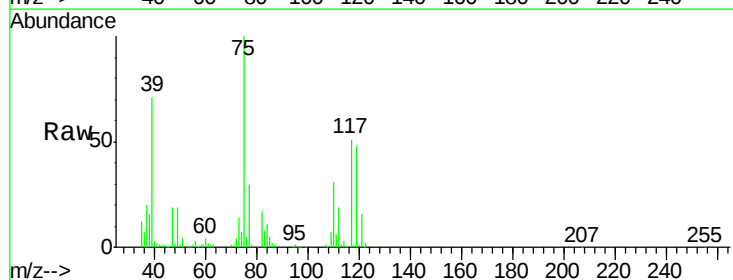
Manual Integrations
APPROVED

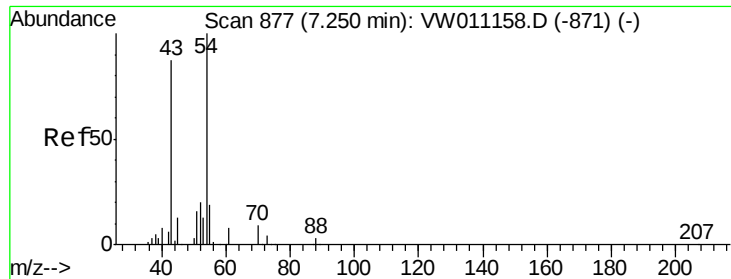
MMDadoda
7/9/2019 4:13:15 PM



#36
1,1-Dichloropropene
Concen: 19.342 ug/l
RT: 8.08 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	31.1	15.9	47.6	
77	30.6	24.6	36.8	





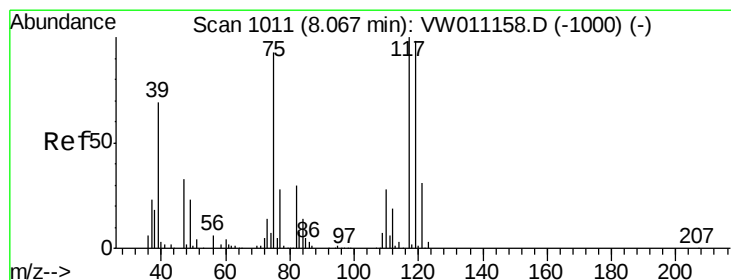
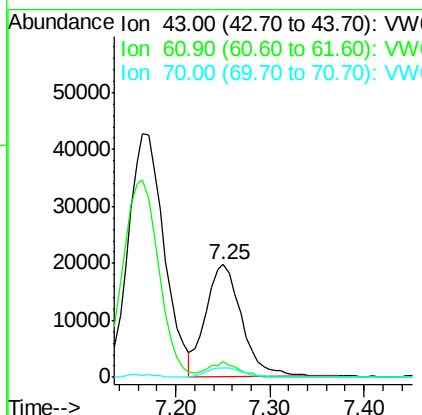
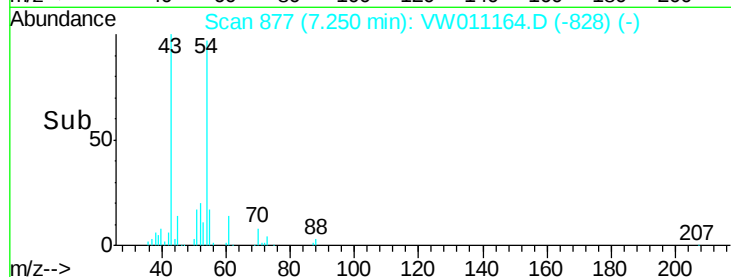
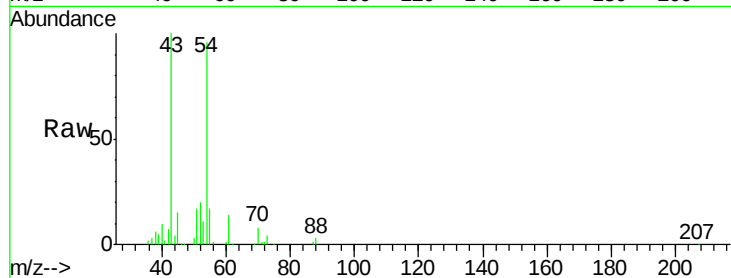
#37
Ethyl Acetate
Concen: 20.777 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

Instrument :
MSVOA_W
ClientSampleId :
VW0708SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.2	9.5	14.3
70	8.9	7.1	10.7

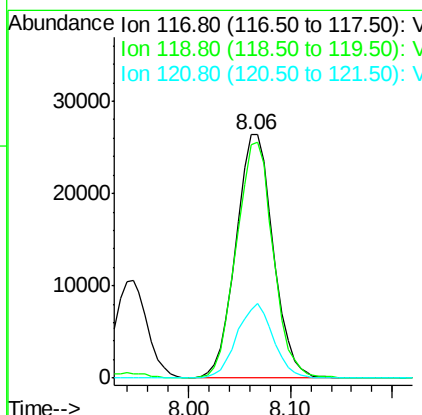
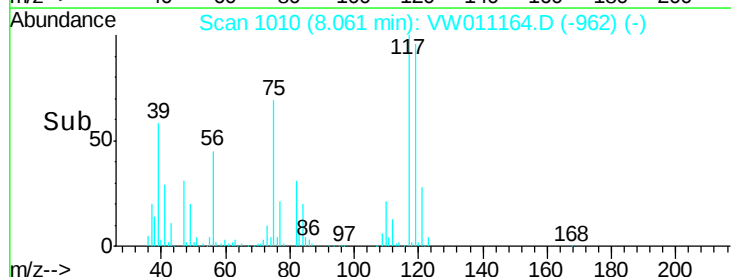
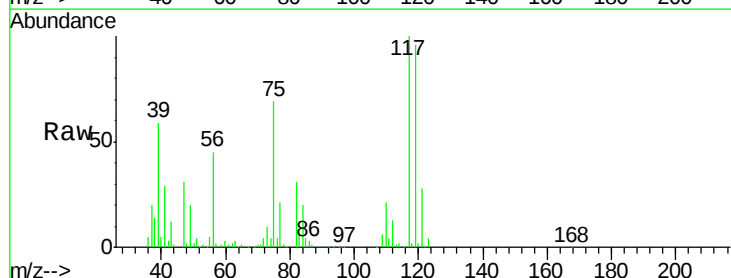
Manual Integrations
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#38
Carbon Tetrachloride
Concen: 18.986 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	78.1	117.1
121	27.9	25.1	37.7





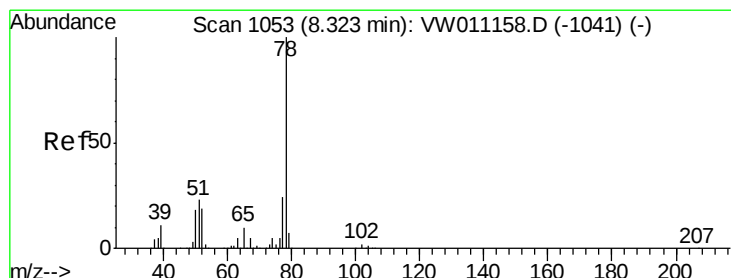
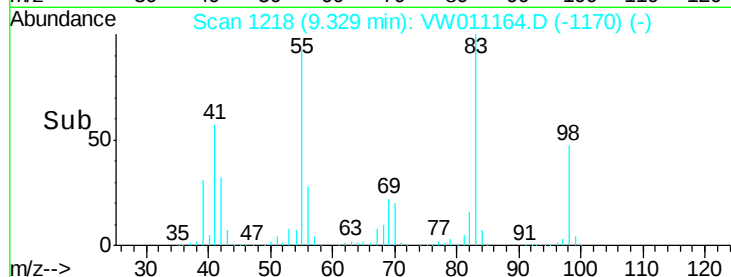
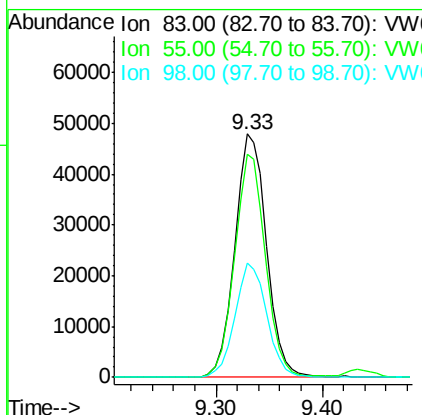
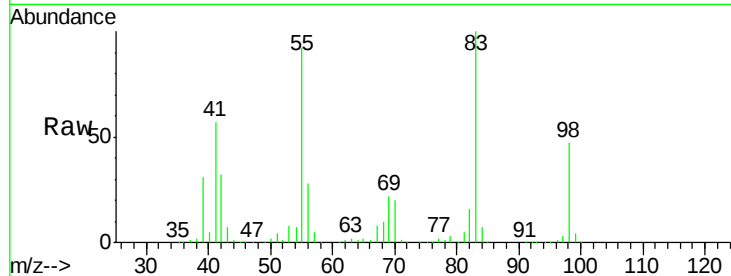
#39
Methvlcvclohexane
Concen: 19.778 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

Instrument :
MSVOA_W
ClientSampleId :
VW0708SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	91.7	71.2	106.8
98	47.0	37.5	56.3

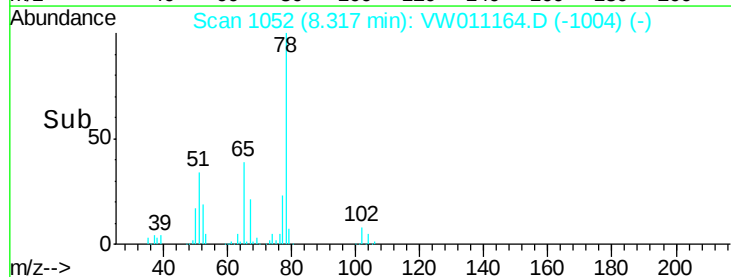
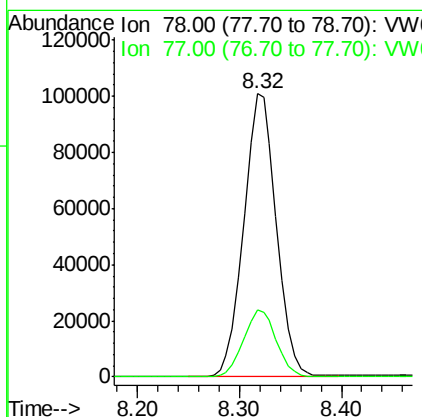
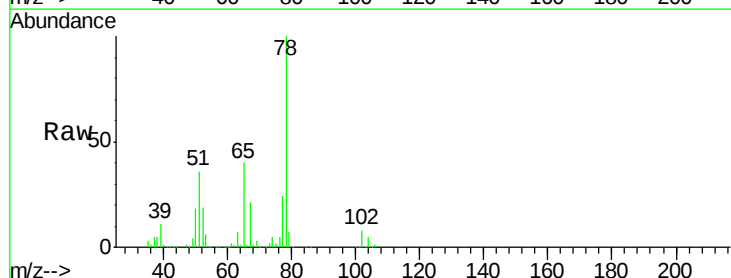
Manual Integrations
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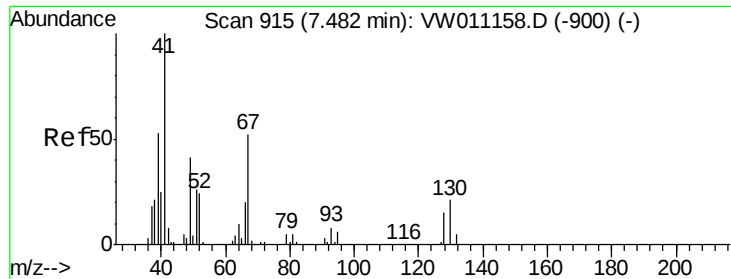
MMDadoda
7/9/2019 4:13:15 PM



#40
Benzene
Concen: 19.415 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.0	28.6





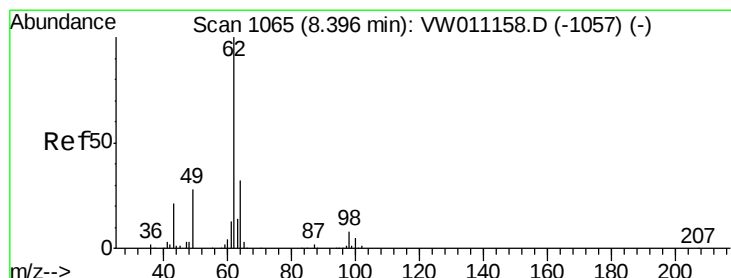
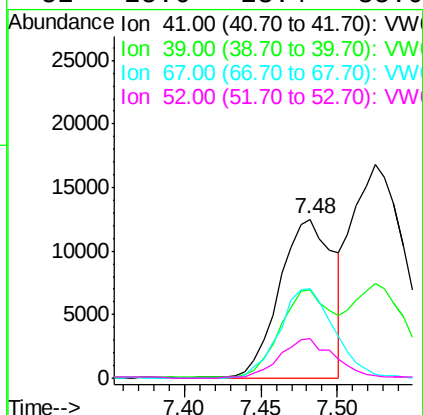
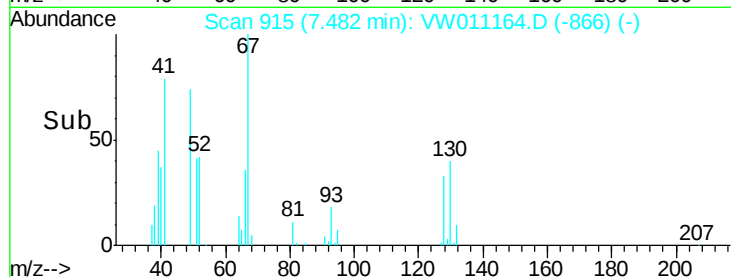
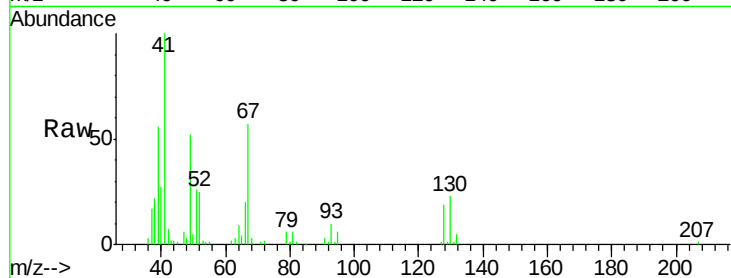
#41
Methacrylonitrile
Concen: 21.555 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

Instrument :
MSVOA_W
ClientSampleId :
VW0708SBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.7	48.0	72.0	
67	57.2	49.7	74.5	
52	25.6	23.4	35.0	

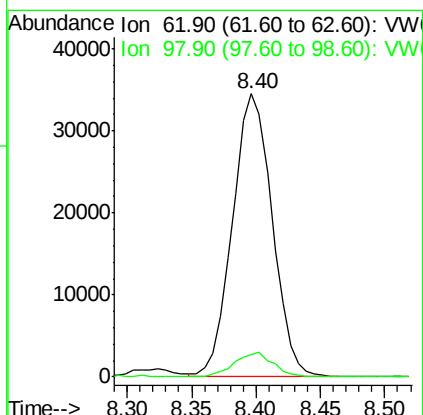
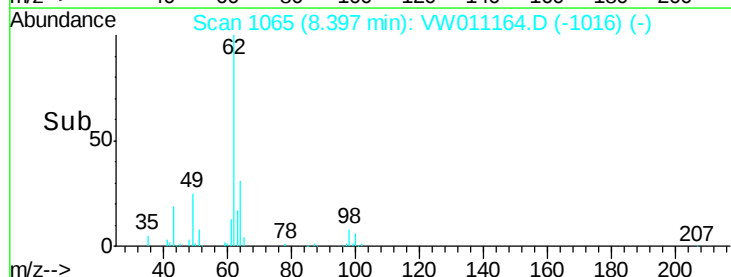
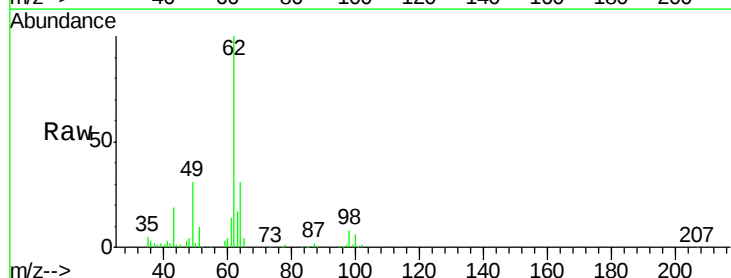
Manual Integrations
APPROVED

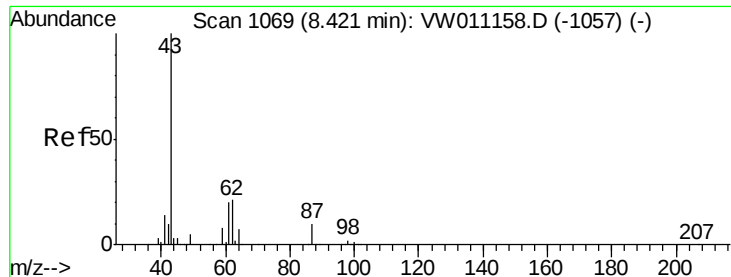
MMDadoda
7/9/2019 4:13:15 PM



#42
1,2-Dichloroethane
Concen: 19.799 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.5	0.0	16.8	





#43

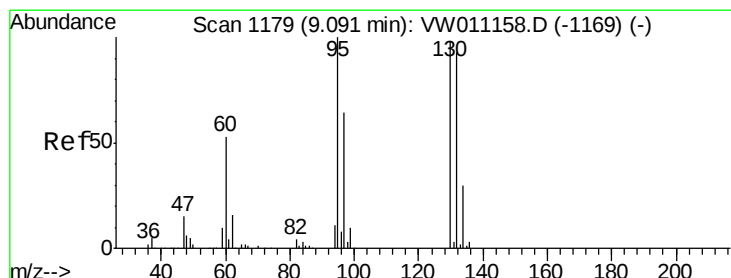
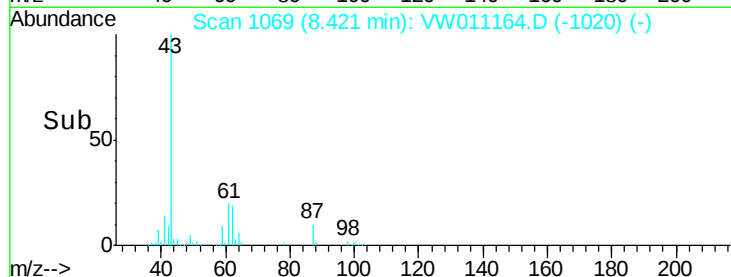
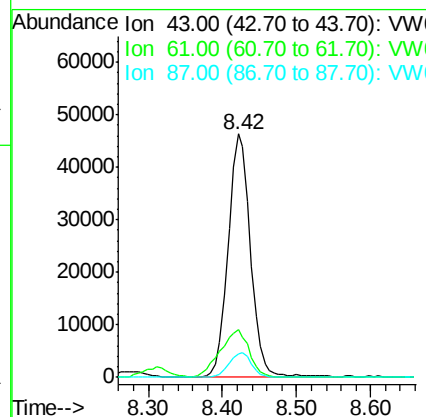
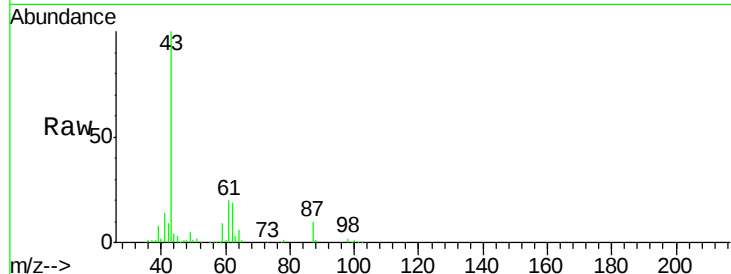
Isopropyl Acetate
 Concen: 20.371 ug/l
 RT: 8.42 min Scan# 1069
 Delta R.T. 0.00 min
 Lab File: VW011164.D
 Acq: 08 Jul 2019 16:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0708SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.7	20.7	31.1
87	10.4	8.1	12.1

Manual Integrations
 APPROVED

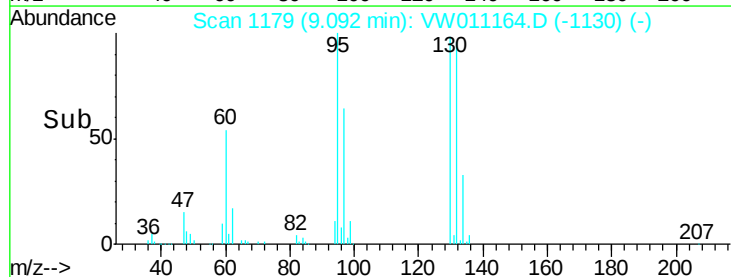
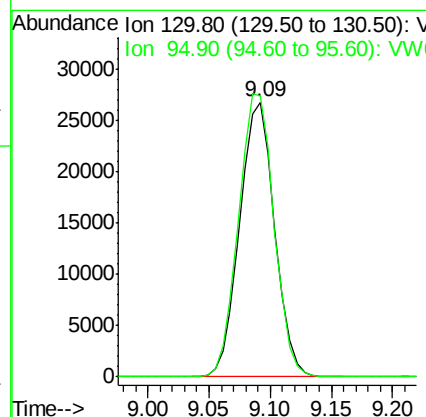
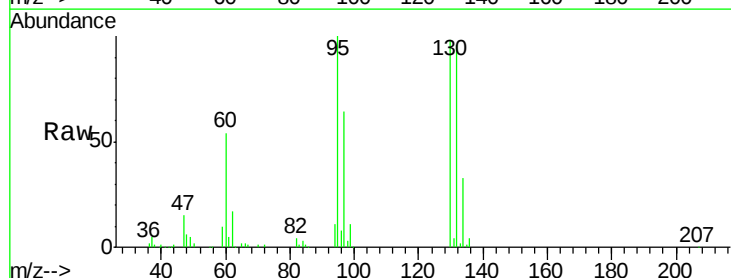
MMDadoda
 7/9/2019 4:13:15 PM

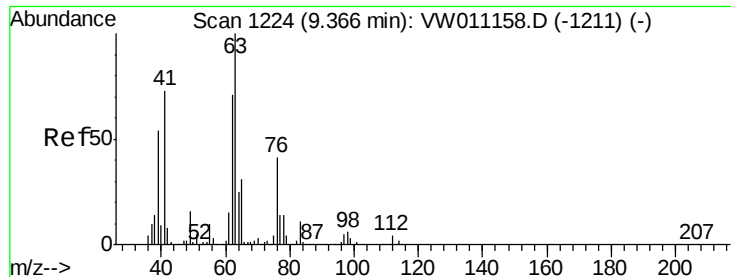


#44

Trichloroethene
 Concen: 19.077 ug/l
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW011164.D
 Acq: 08 Jul 2019 16:46

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.4	0.0	203.6





#45

1,2-Dichloropropane

Concen: 19.513 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW011164.D

Acq: 08 Jul 2019 16:46

Instrument :

MSVOA_W

ClientSampled :

VW0708SBS01

Tot Ion: 63 Resp: 60969

Ion Ratio Lower Upper

63 100

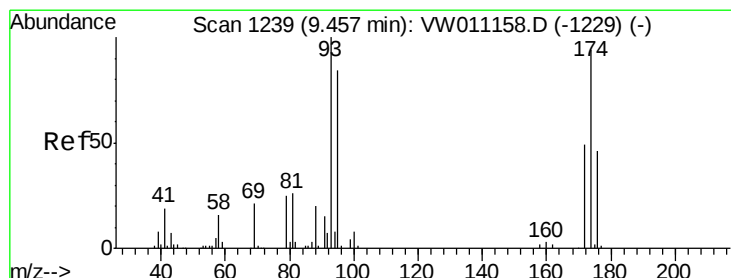
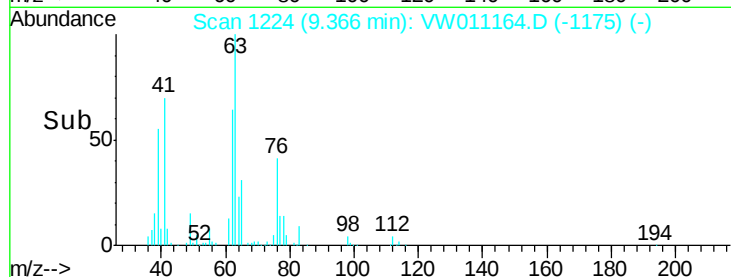
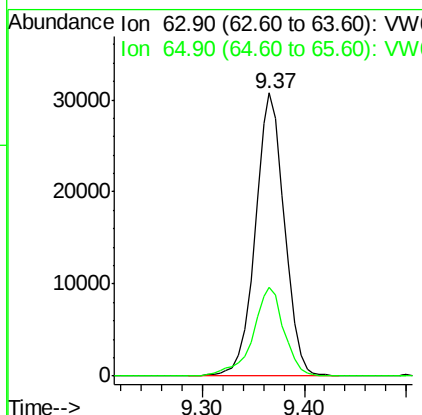
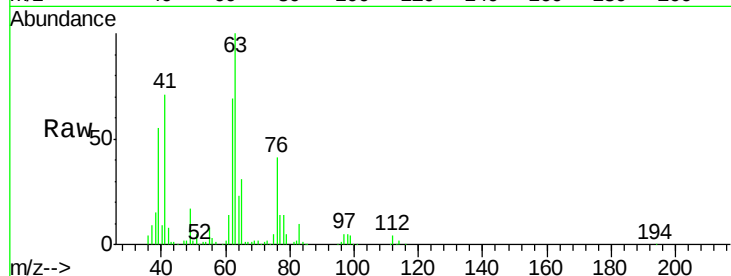
65 31.2 24.4 36.6

Manual Integrations

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#46

Dibromomethane

Concen: 19.720 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW011164.D

Acq: 08 Jul 2019 16:46

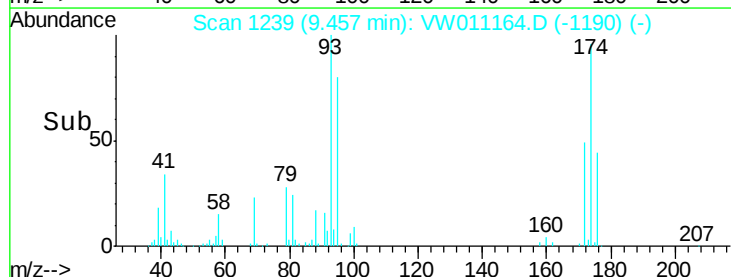
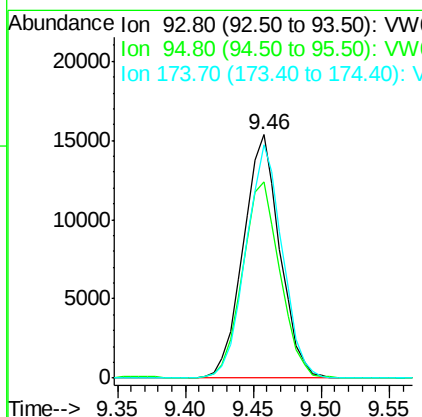
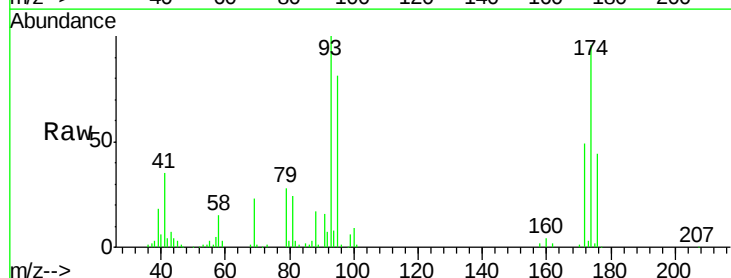
Tgt Ion: 93 Resp: 28944

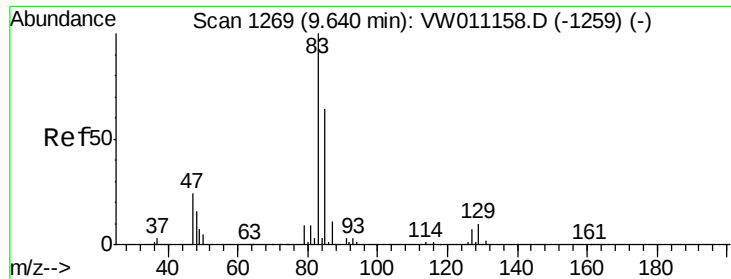
Ion Ratio Lower Upper

93 100

95 82.6 67.2 100.8

174 95.3 76.3 114.5





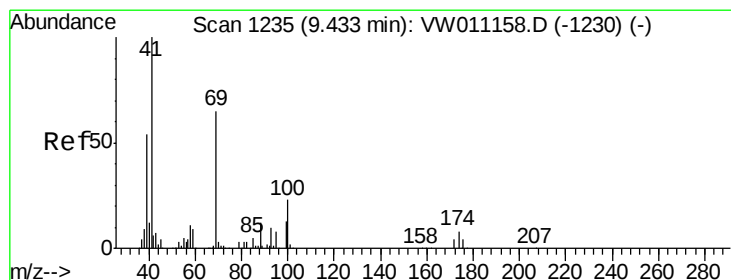
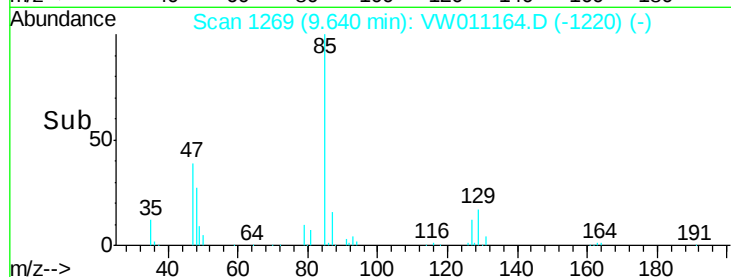
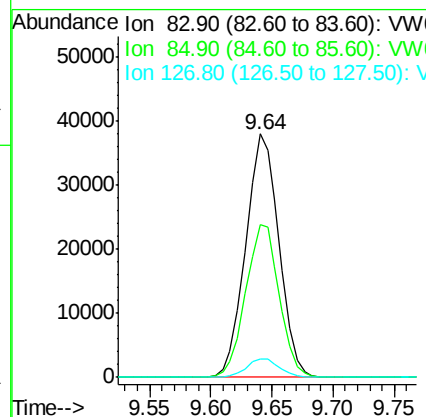
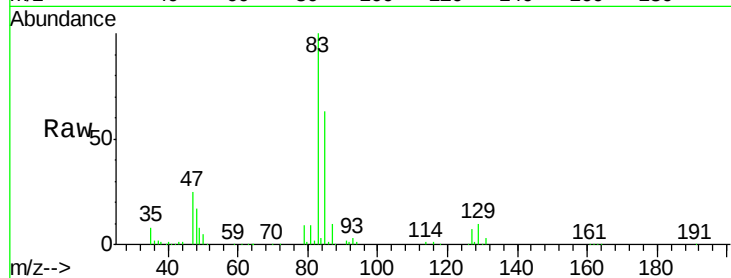
#47
Bromodichloromethane
Concen: 19.064 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

Instrument :
MSVOA_W
ClientSampleId :
VW0708SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	71595		
85	62.8	51.0	76.4	
127	7.5	6.0	9.0	

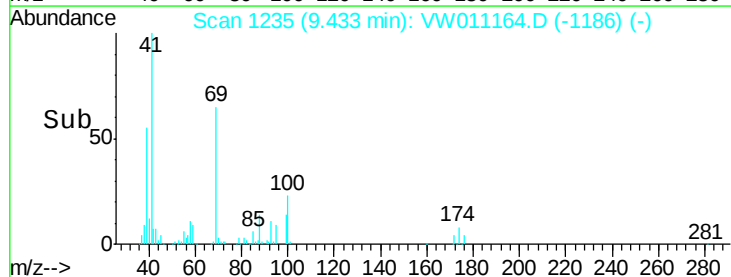
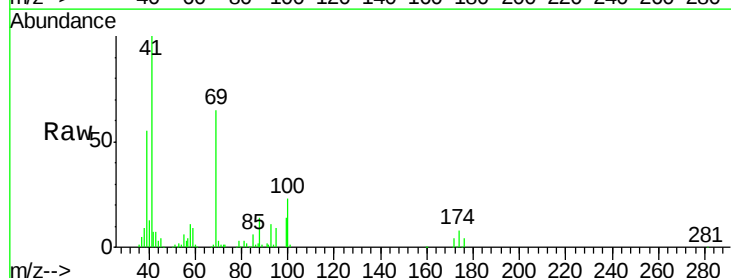
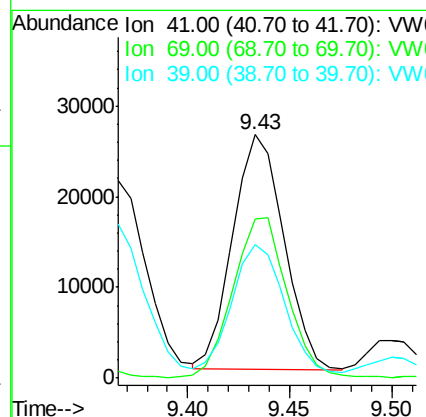
Manual Integrations
APPROVED

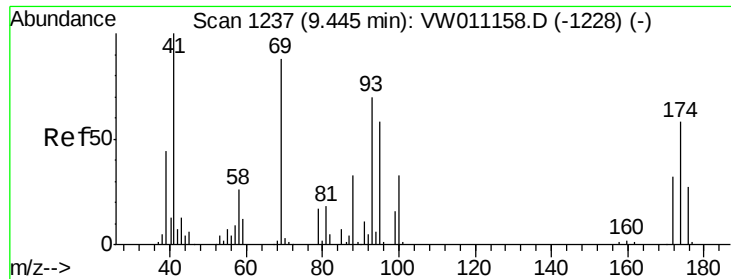
MMDadoda
7/9/2019 4:13:15 PM



#48
Methyl methacrylate
Concen: 19.754 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	45008		
69	72.1	56.0	84.0	
39	55.4	43.5	65.3	





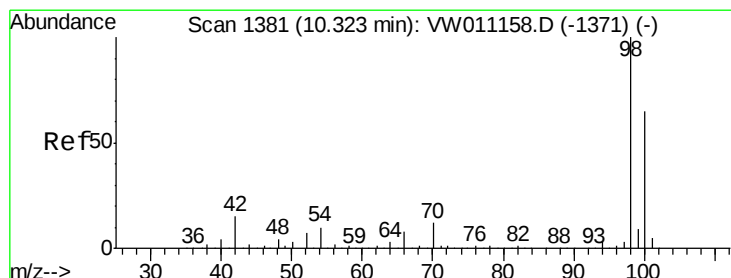
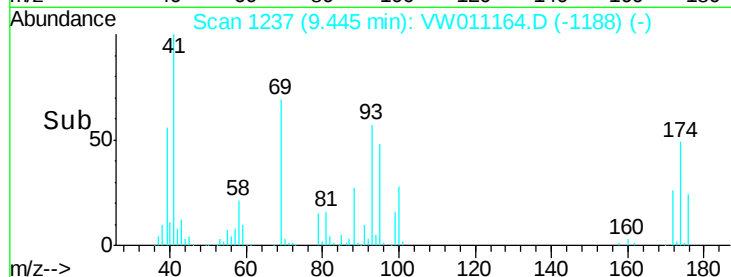
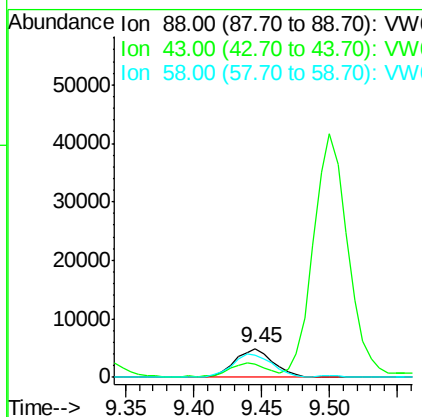
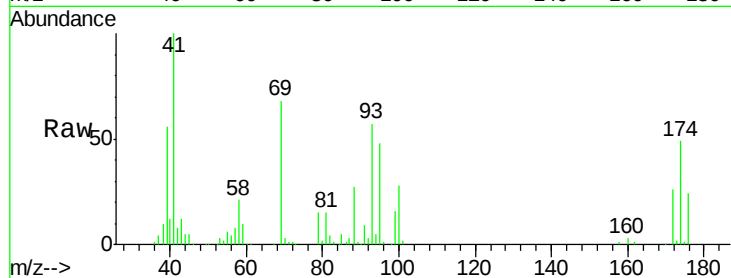
#49
1,4-Dioxane
Concen: 403.567 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

Instrument :
MSVOA_W
ClientSampleId :
VW0708SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	44.2	33.4	50.0
58	84.6	64.5	96.7

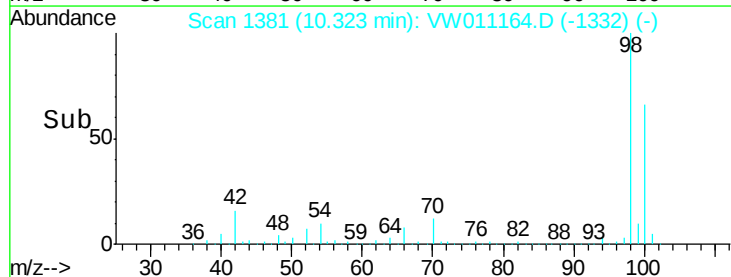
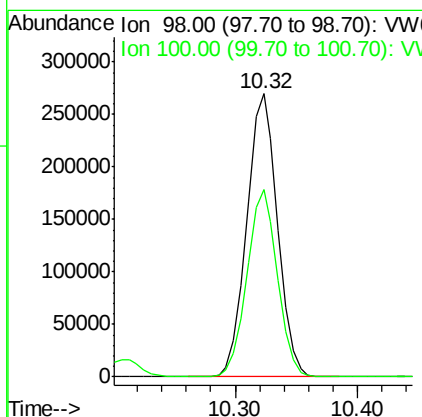
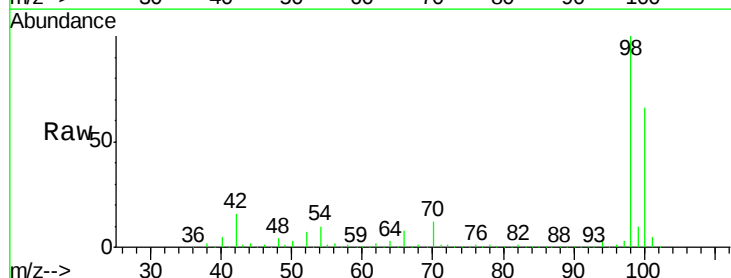
Manual Integrations
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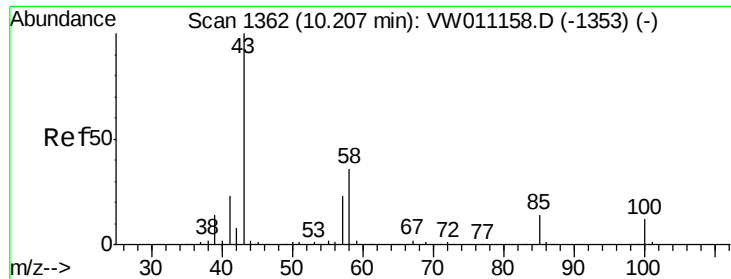
MMDadoda
7/9/2019 4:13:15 PM



#50
Toluene-d8
Concen: 49.823 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 103.302 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW011164.D

Acq: 08 Jul 2019 16:46

Instrument :

MSVOA_W

ClientSampleId :

VW0708SBS01

Tot Ion: 43 Resp: 255564

Ion Ratio Lower Upper

43 100

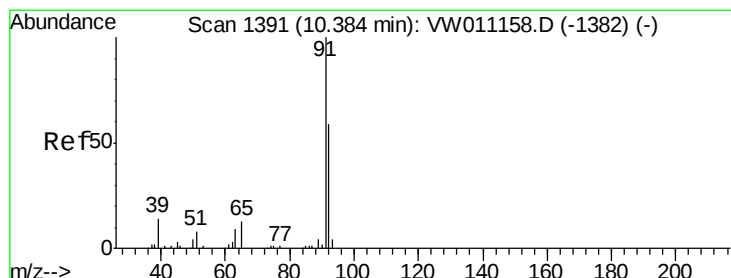
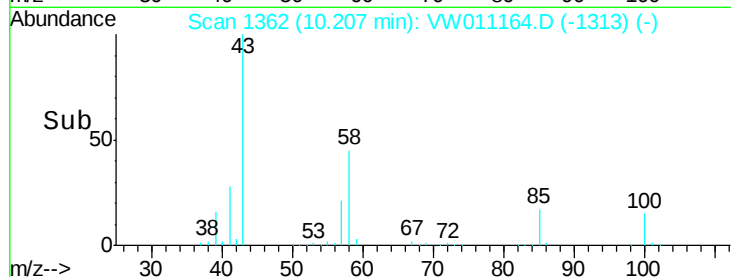
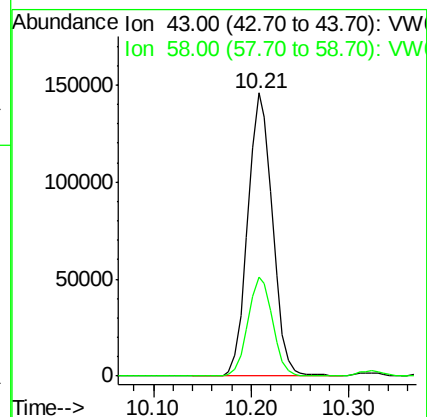
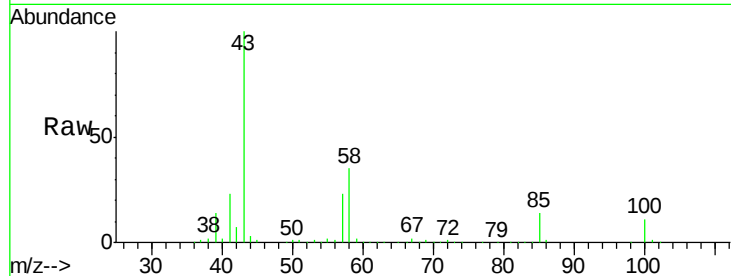
58 35.0 28.2 42.2

Manual Integrations

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MMDadoda

7/9/2019 4:13:15 PM



#52

Toluene

Concen: 19.596 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW011164.D

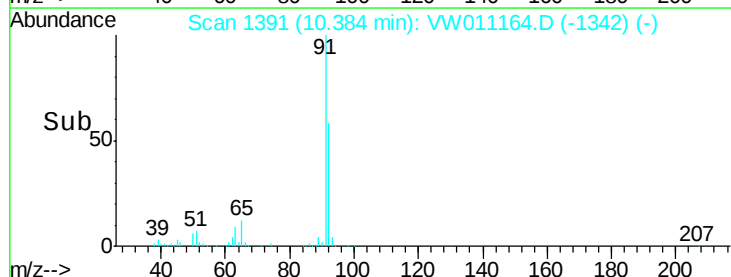
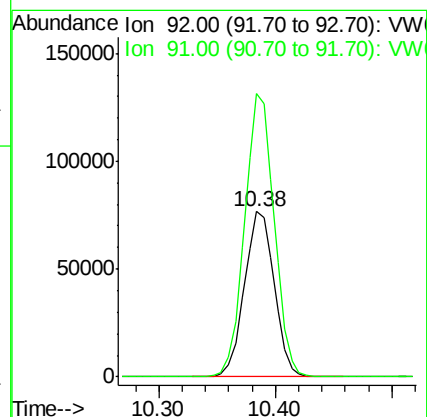
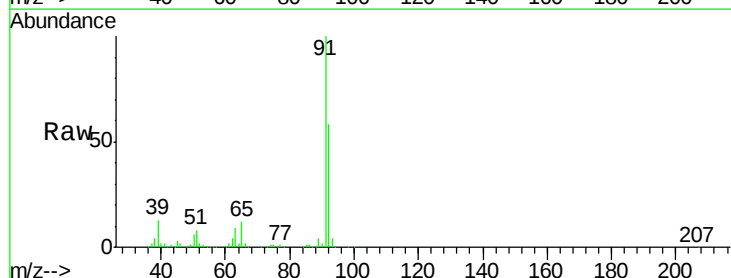
Acq: 08 Jul 2019 16:46

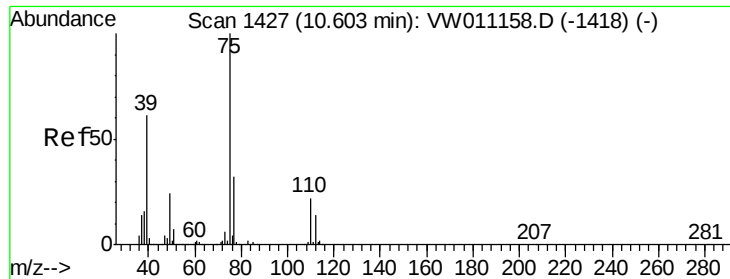
Tgt Ion: 92 Resp: 137154

Ion Ratio Lower Upper

92 100

91 169.4 136.6 205.0





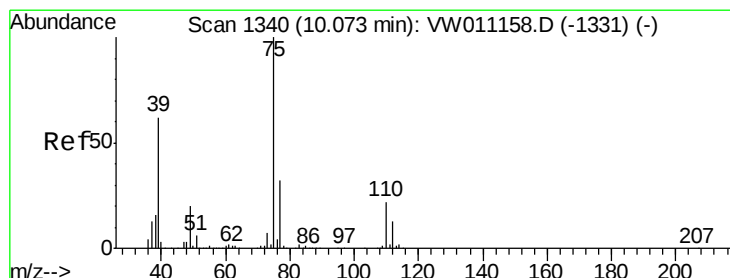
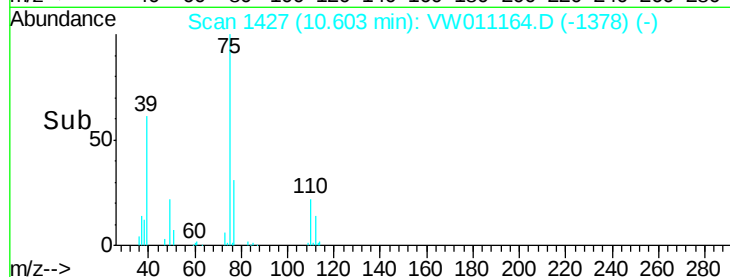
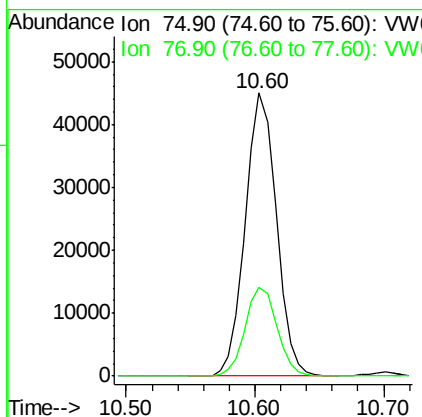
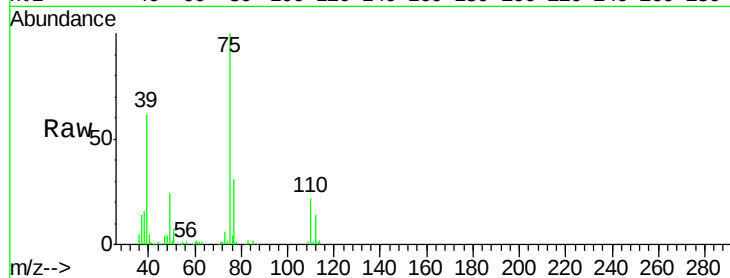
#53
t-1,3-Dichloropropene
Concen: 18.799 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

Instrument :
MSVOA_W
ClientSampleId :
VW0708SBS01

Tot Ion: 75 Resp: 75147
Ion Ratio Lower Upper
75 100
77 31.4 25.4 38.0

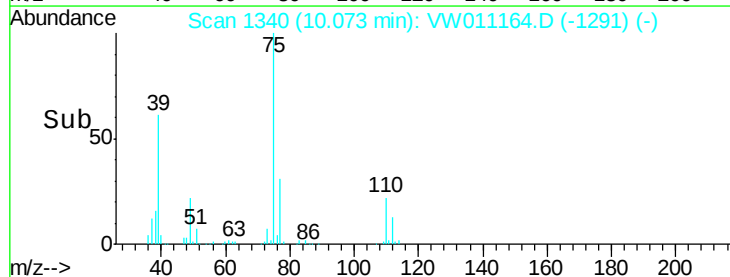
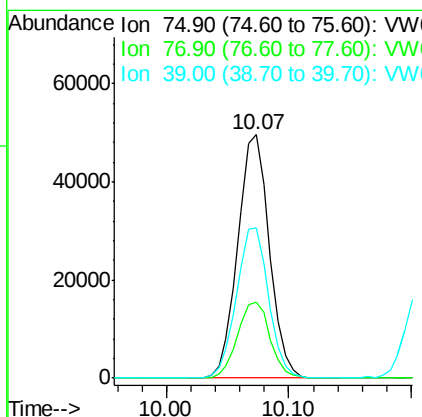
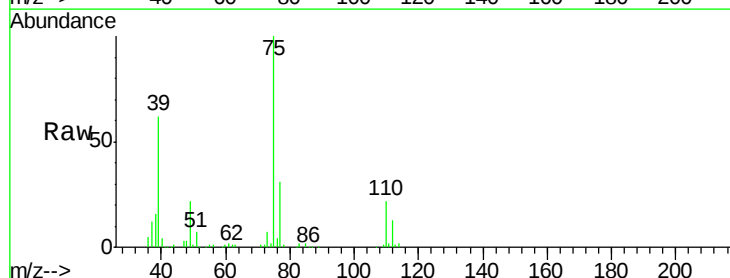
Manual Integrations
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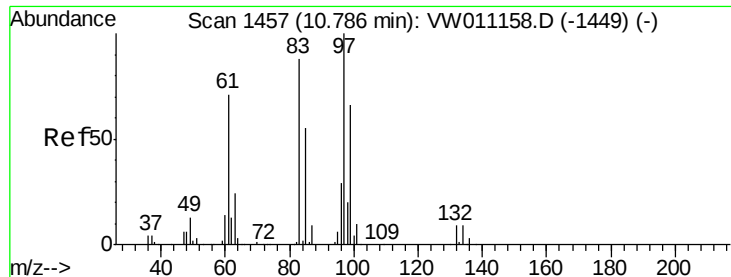
MMDadoda
7/9/2019 4:13:15 PM



#54
cis-1,3-Dichloropropene
Concen: 18.893 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

Tgt Ion: 75 Resp: 88897
Ion Ratio Lower Upper
75 100
77 31.2 25.7 38.5
39 61.6 49.8 74.8





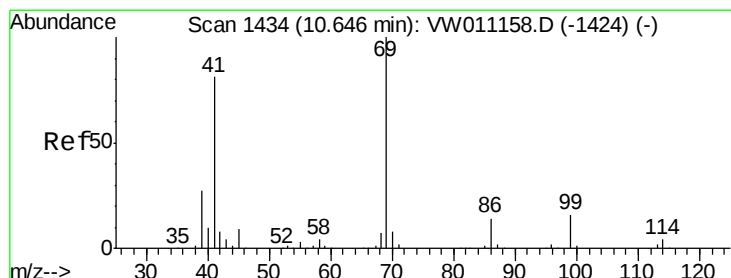
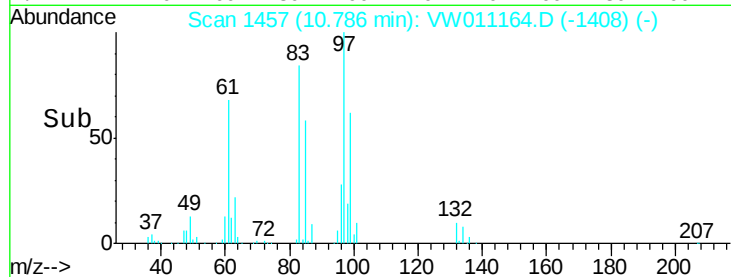
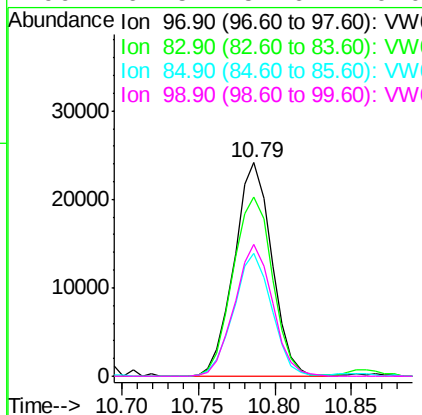
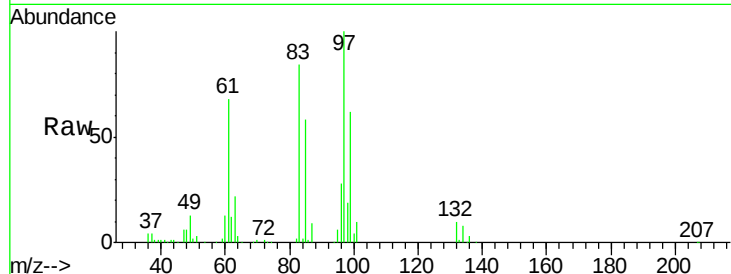
#55
 1,1,2-Trichloroethane
 Concen: 19.855 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW011164.D
 Acq: 08 Jul 2019 16:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0708SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		41343		
83	83.9	70.2	105.4		
85	57.5	44.2	66.2		
99	61.5	52.6	79.0		

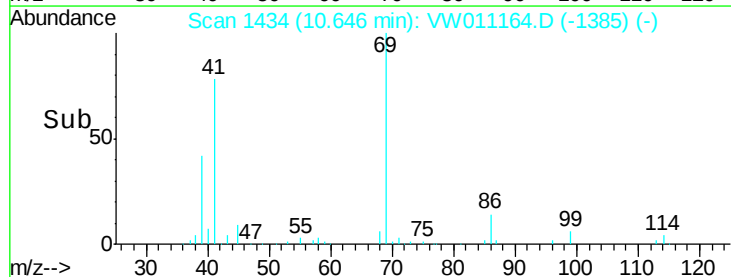
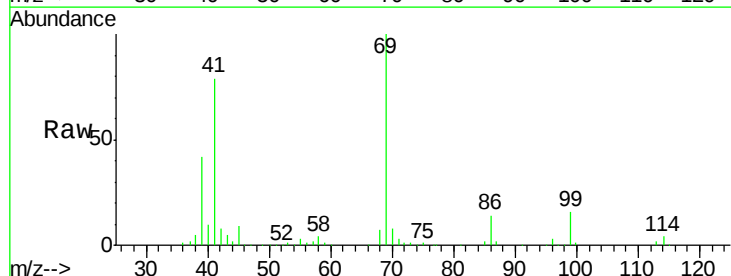
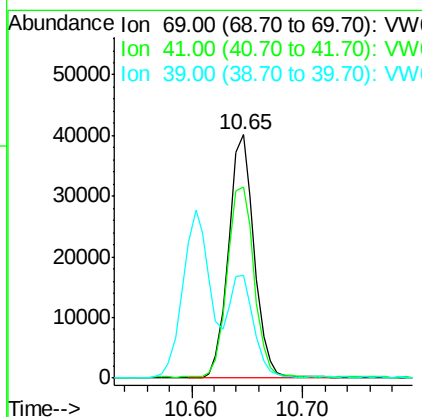
Manual Integrations
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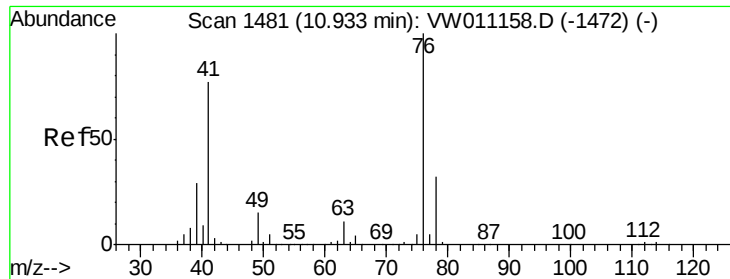
MMDadoda
 7/9/2019 4:13:15 PM



#56
 Ethyl methacrylate
 Concen: 20.210 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW011164.D
 Acq: 08 Jul 2019 16:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		64067		
41	81.9	66.5	99.7		
39	39.1	32.5	48.7		





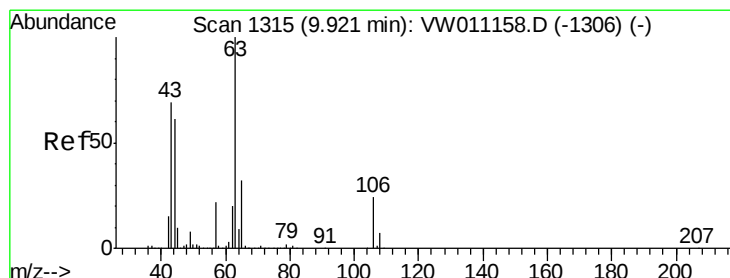
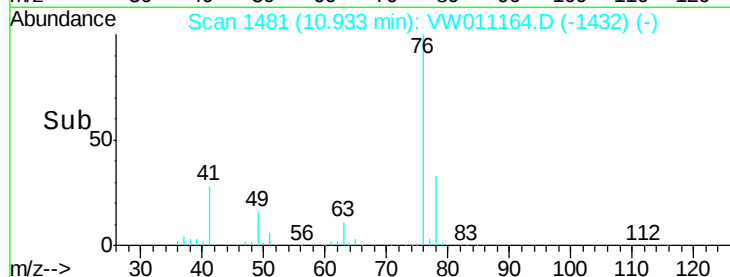
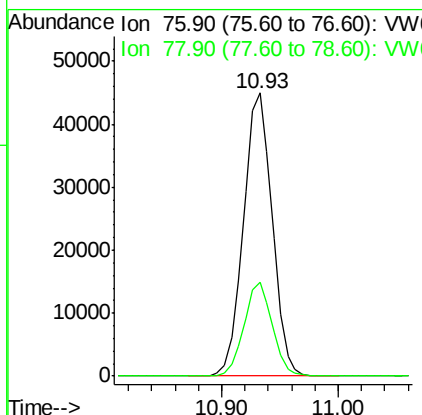
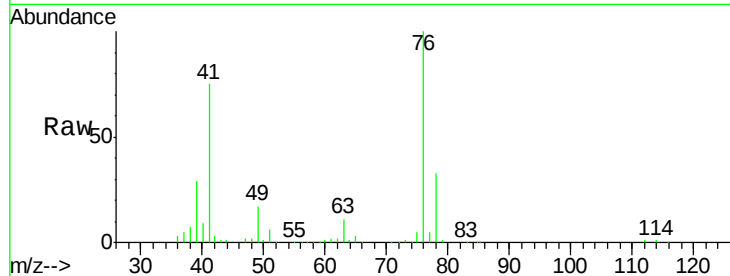
#57
 1,3-Dichloropropane
 Concen: 19.736 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW011164.D
 Acq: 08 Jul 2019 16:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0708SBS01

Tot Ion: 76 Resp: 77711
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.2 39.2

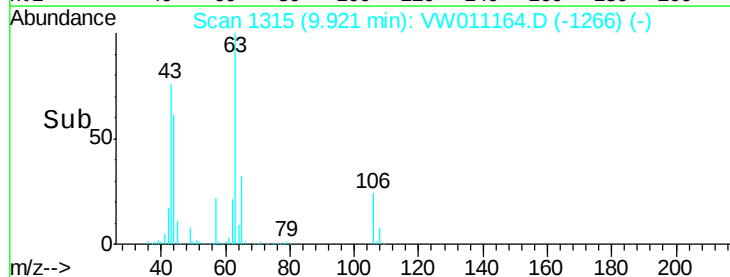
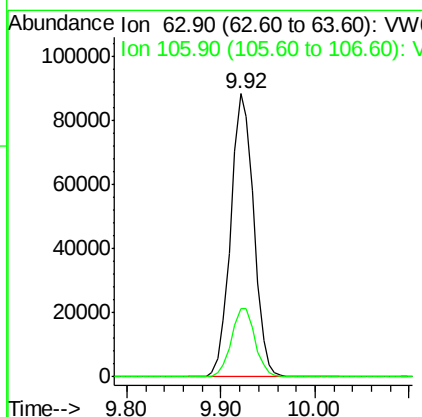
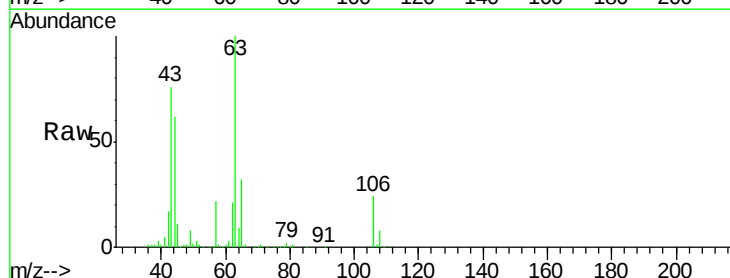
Manual Integrations
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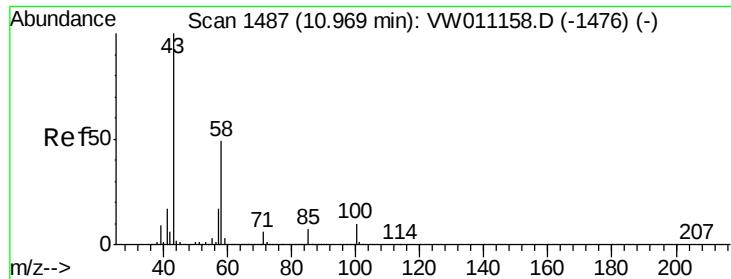
MMDadoda
 7/9/2019 4:13:15 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.012 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW011164.D
 Acq: 08 Jul 2019 16:46

Tgt Ion: 63 Resp: 149923
 Ion Ratio Lower Upper
 63 100
 106 24.8 19.4 29.0





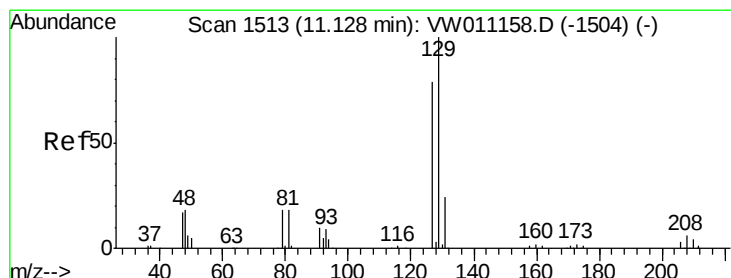
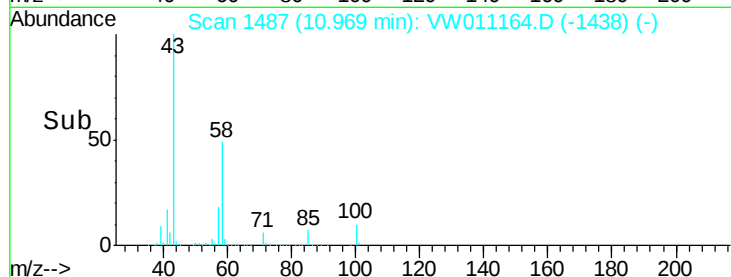
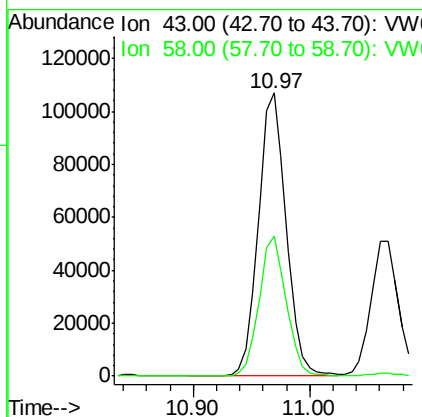
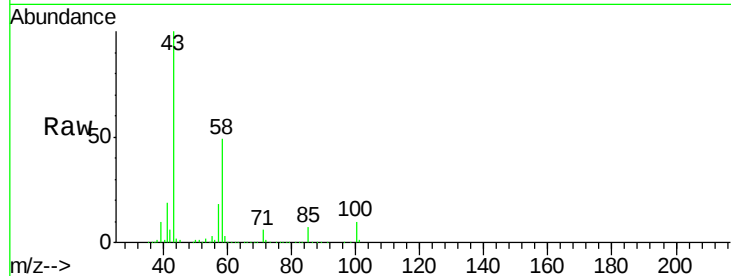
#59
2-Hexanone
Concen: 103.292 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

Instrument :
MSVOA_W
ClientSampleId :
VW0708SBS01

Tot Ion: 43 Resp: 177216
Ion Ratio Lower Upper
43 100
58 48.3 24.4 73.4

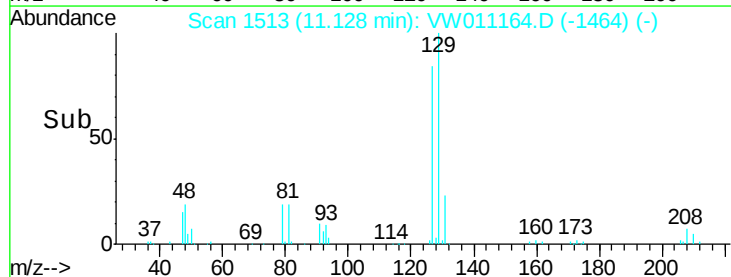
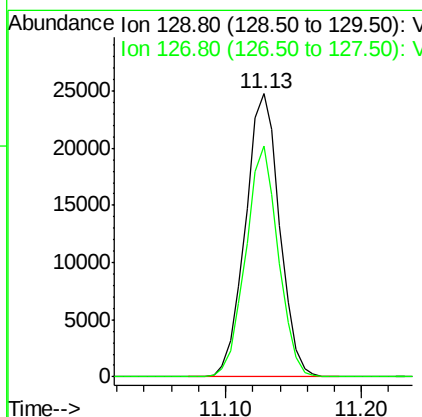
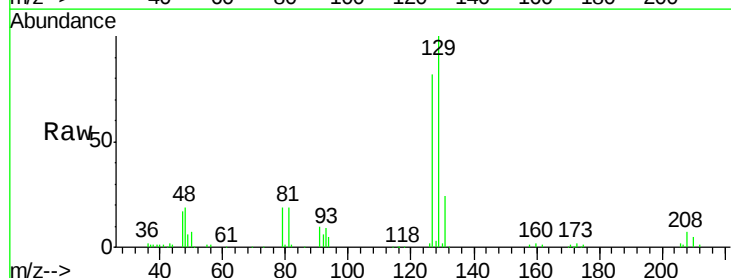
Manual Integrations
APPROVED

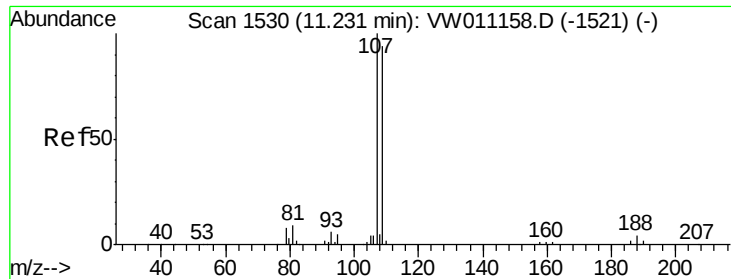
MMDadoda
7/9/2019 4:13:15 PM



#60
Dibromochloromethane
Concen: 19.082 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

Tgt Ion: 129 Resp: 43569
Ion Ratio Lower Upper
129 100
127 77.5 39.1 117.3





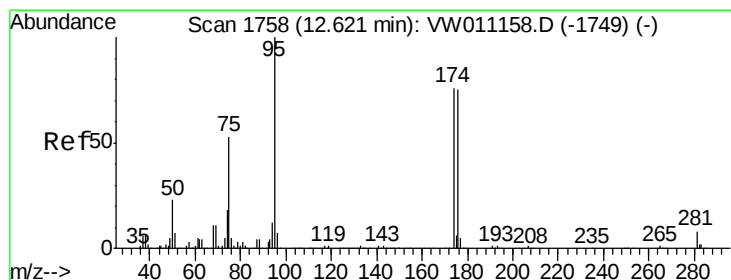
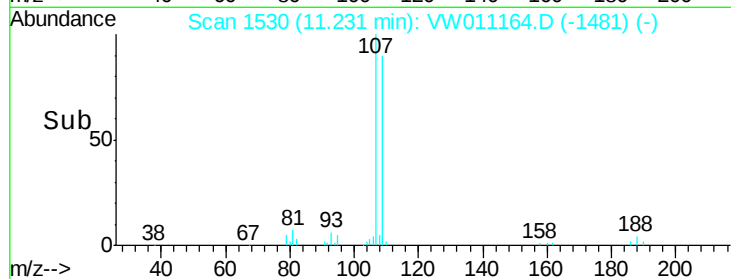
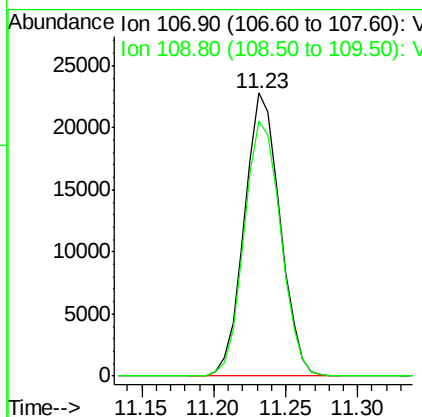
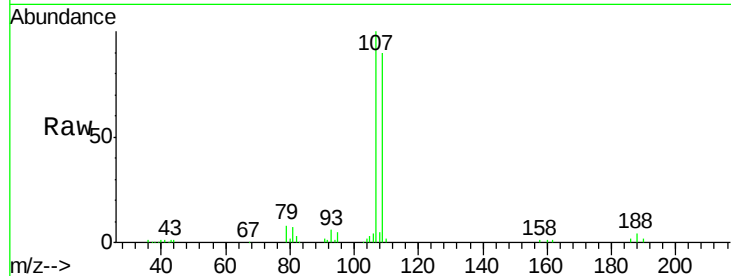
#61
 1,2-Dibromoethane
 Concen: 19.807 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW011164.D
 Acq: 08 Jul 2019 16:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0708SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.7	75.2	112.8

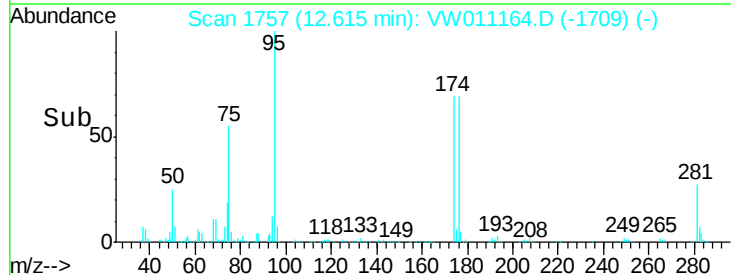
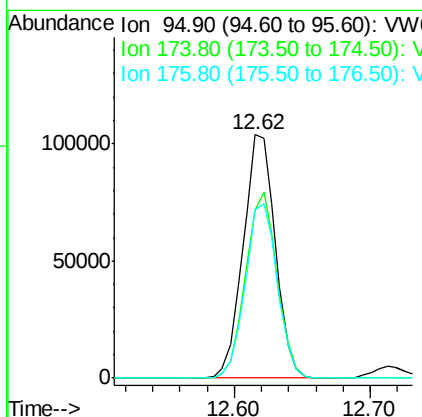
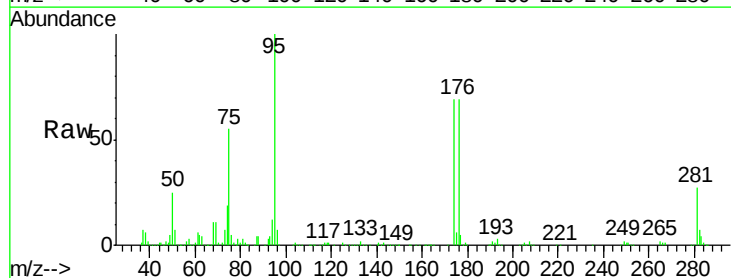
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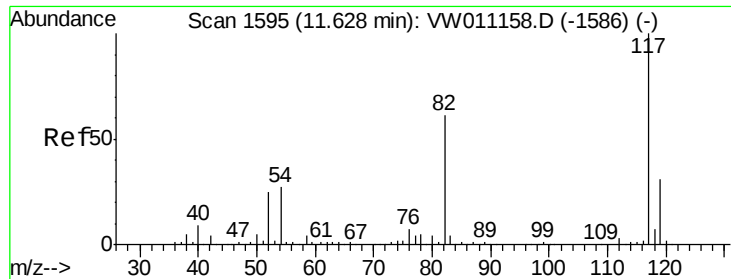
MMDadoda
 7/9/2019 4:13:15 PM



#62
 4-Bromofluorobenzene
 Concen: 49.517 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW011164.D
 Acq: 08 Jul 2019 16:46

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.1	0.0	147.6
176	71.5	0.0	144.6





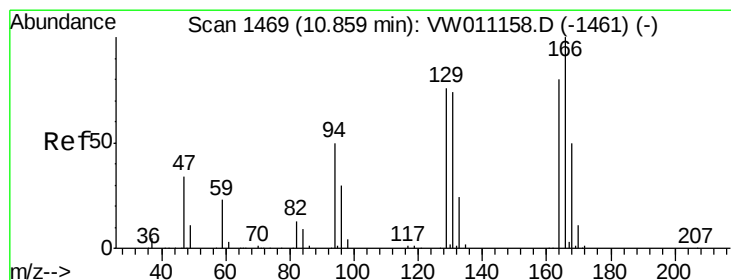
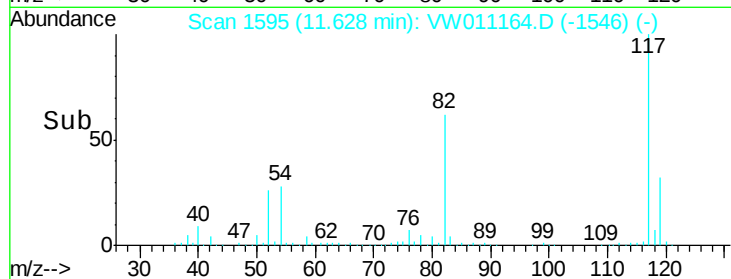
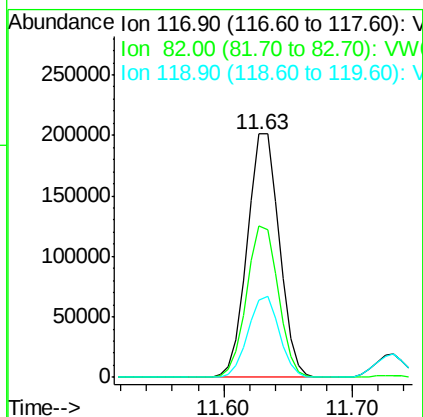
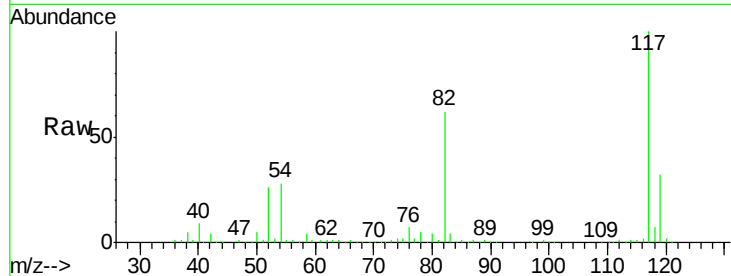
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

Instrument :
MSVOA_W
ClientSampleId :
VW0708SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.1	48.9	73.3
119	31.7	25.0	37.6

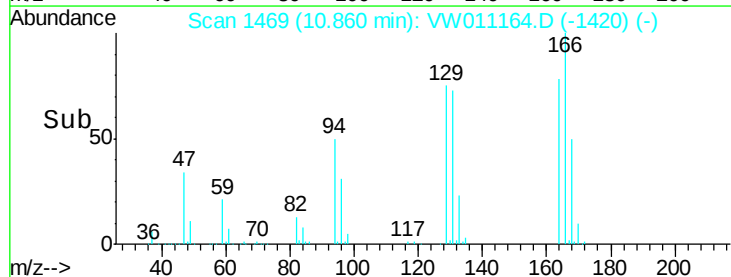
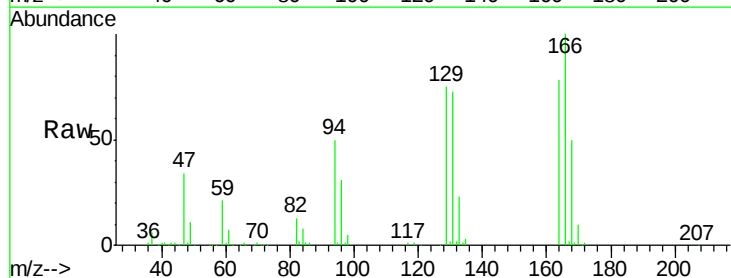
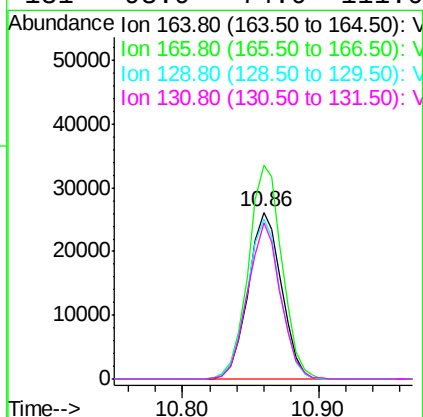
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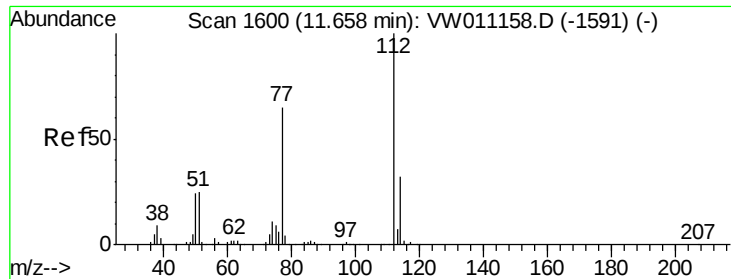
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#64
Tetrachloroethene
Concen: 19.290 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.2	99.7	149.5
129	96.0	76.2	114.2
131	93.9	74.0	111.0





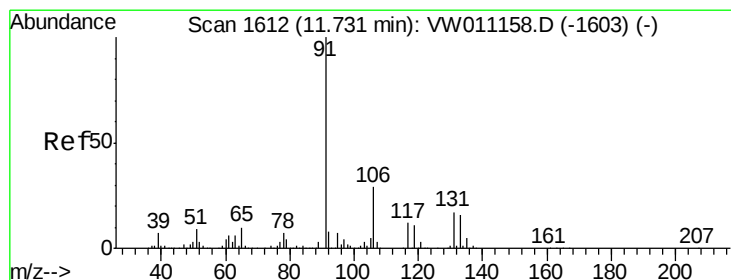
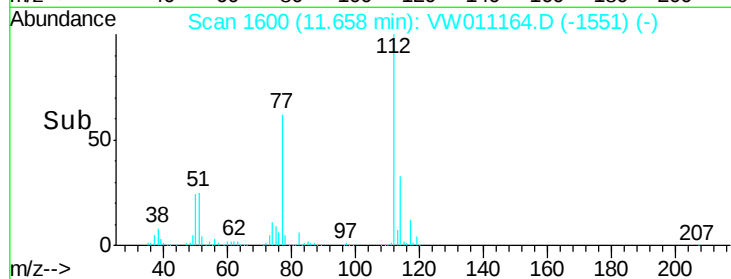
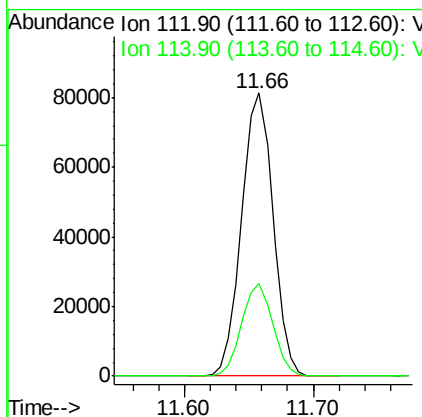
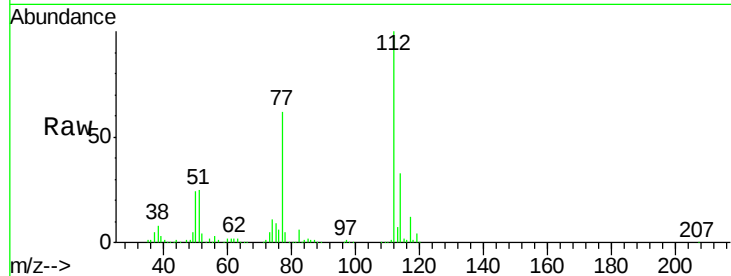
#65
Chlorobenzene
Concen: 19.587 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

Instrument :
MSVOA_W
ClientSampleId :
VW0708SBS01

Tot Ion:112 Resp: 137269
Ion Ratio Lower Upper
112 100
114 32.7 25.5 38.3

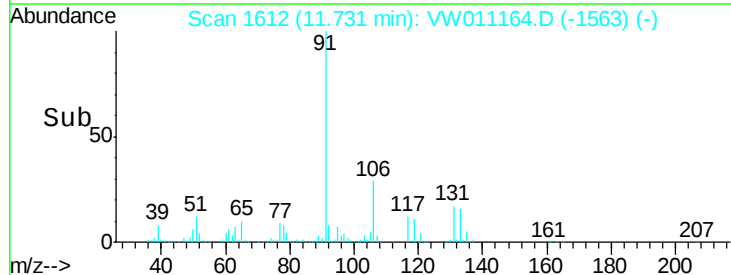
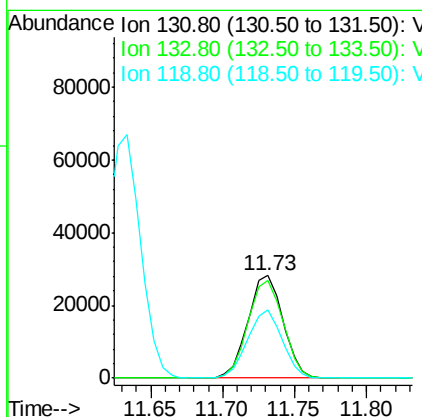
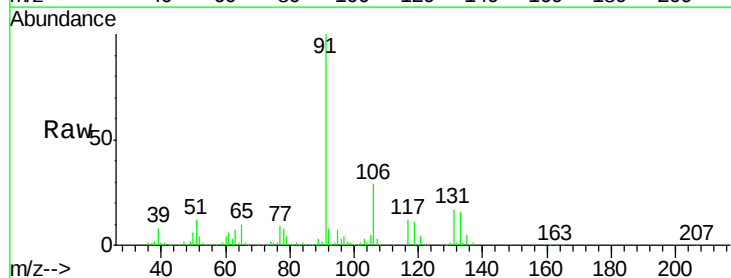
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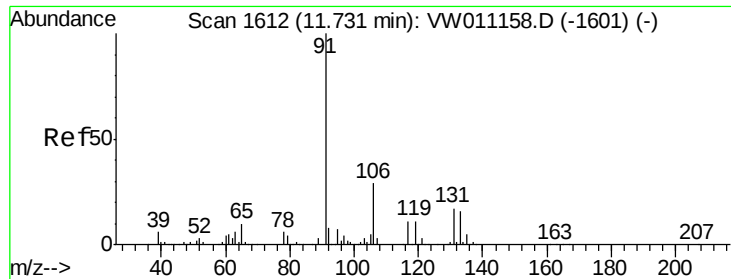
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.239 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

Tgt Ion:131 Resp: 47472
Ion Ratio Lower Upper
131 100
133 95.4 47.9 143.8
119 65.5 33.1 99.2





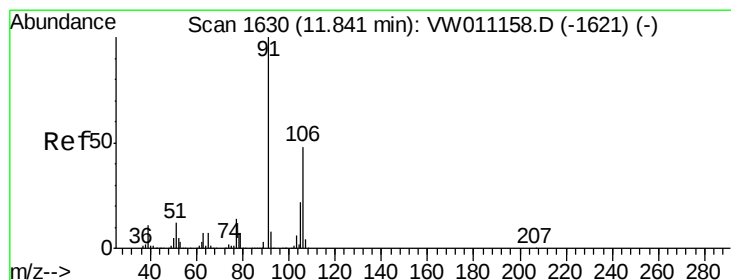
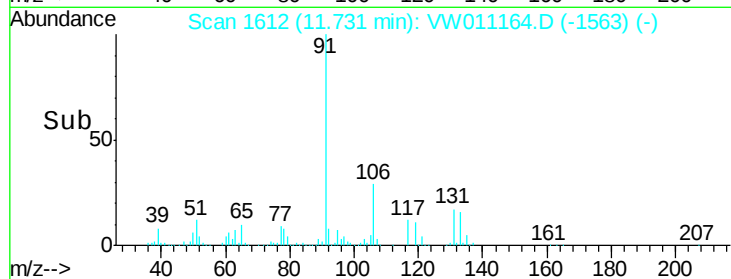
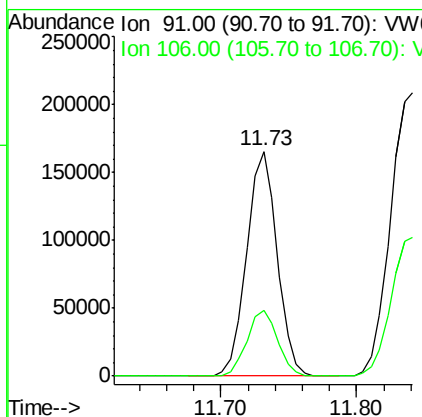
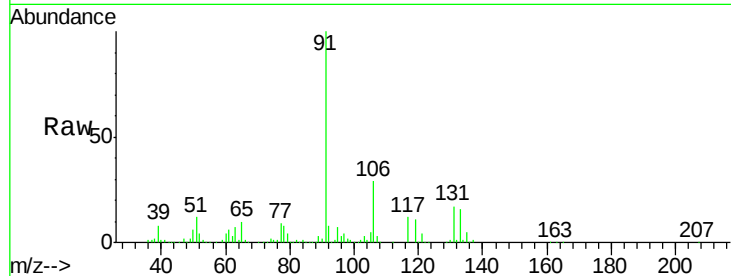
#67
Ethyl Benzene
Concen: 19.427 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

Instrument :
MSVOA_W
ClientSampleId :
VW0708SBS01

Tot Ion	91	Resp	260631
Ion Ratio	100	Lower	Upper
106	29.4	23.5	35.3

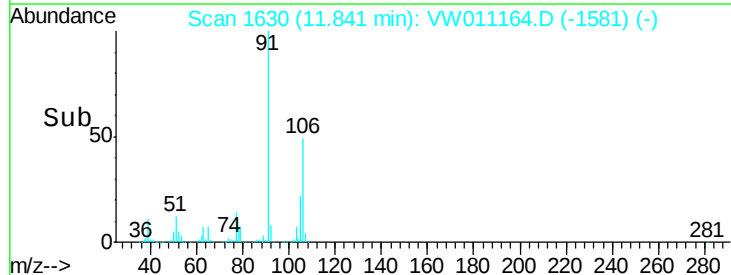
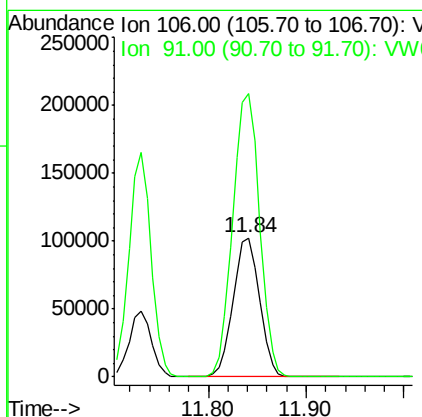
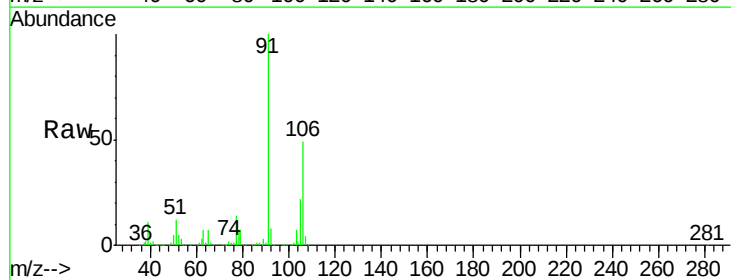
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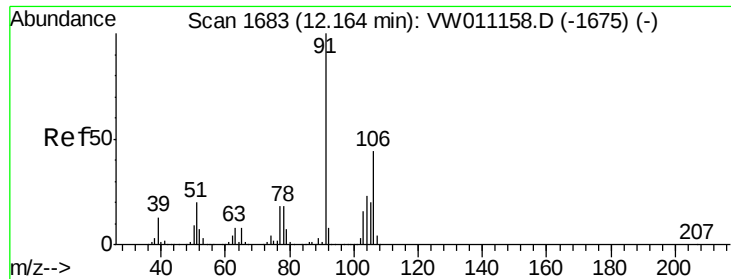
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#68
m/p-Xylenes
Concen: 39.603 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

Tgt Ion	106	Resp	192251
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
91	207.1	167.7	251.5





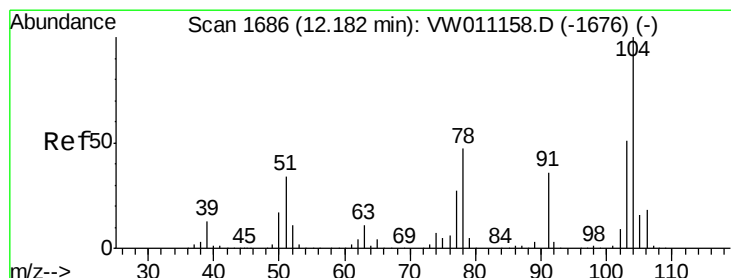
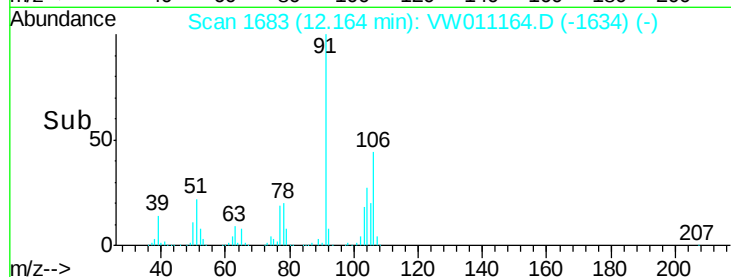
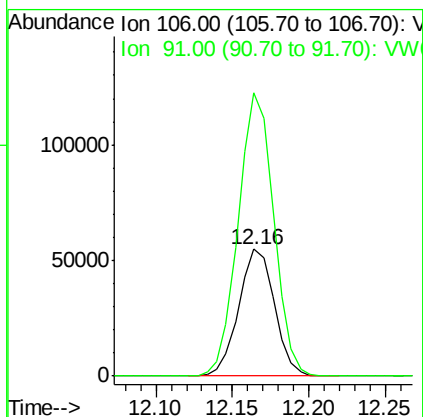
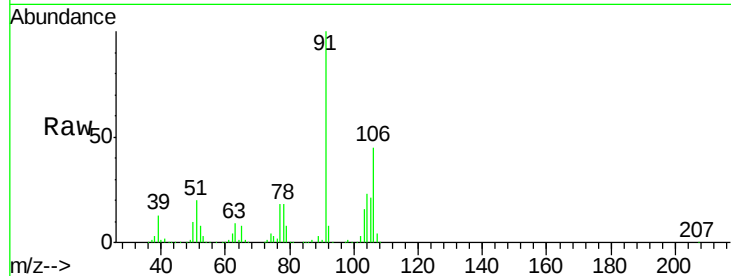
#69
o-Xylene
Concen: 19.504 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

Instrument :
MSVOA_W
ClientSampleId :
VW0708SBS01

Tot Ion:106 Resp: 89240
Ion Ratio Lower Upper
106 100
91 221.6 110.7 332.1

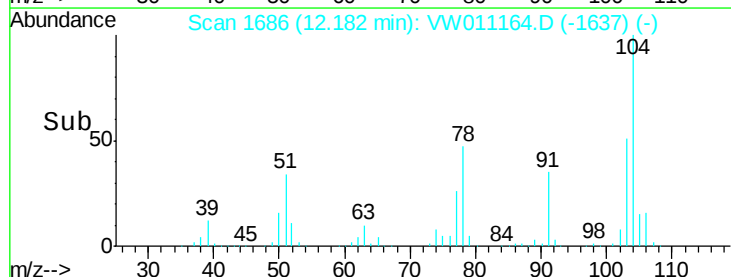
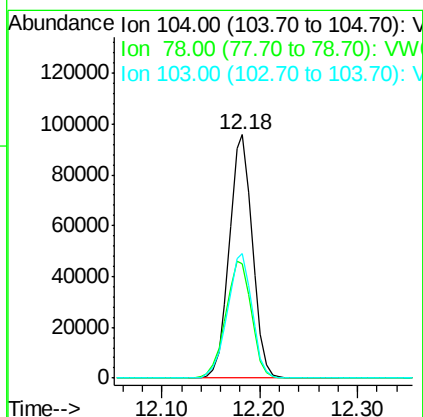
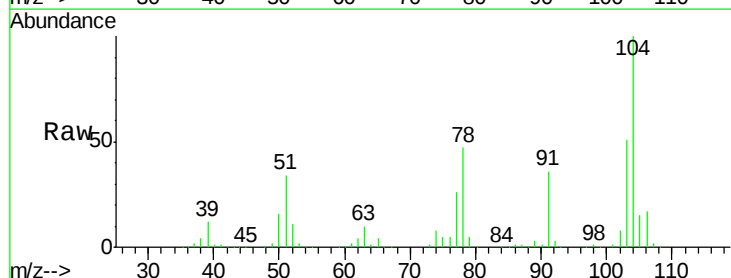
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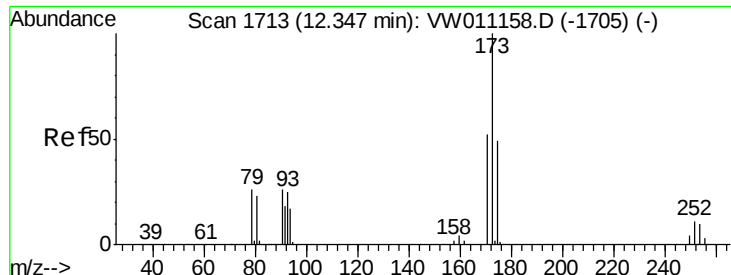
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#70
Styrene
Concen: 19.818 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

Tgt Ion:104 Resp: 156490
Ion Ratio Lower Upper
104 100
78 53.5 43.1 64.7
103 54.8 44.1 66.1





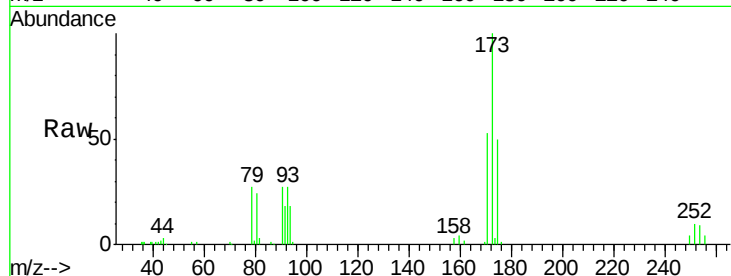
#71
Bromoform
Concen: 19.074 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

Instrument :
MSVOA_W
ClientSampleId :
VW0708SBS01

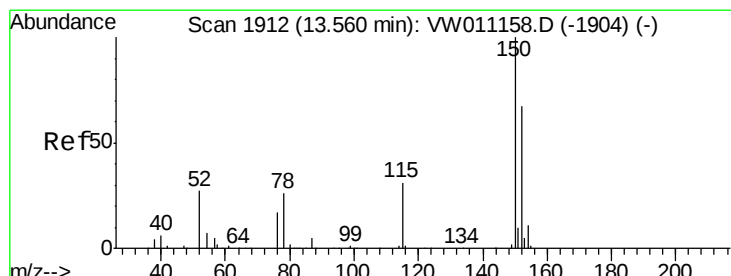
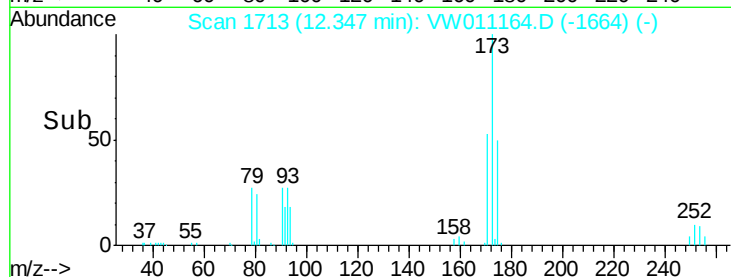
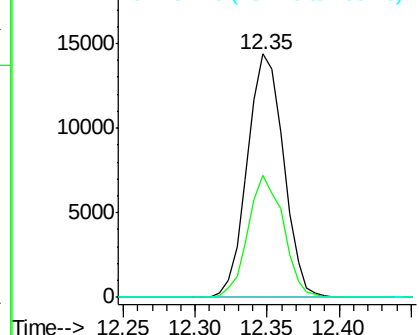
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.8	74.3
254	0.0	0.0	0.0

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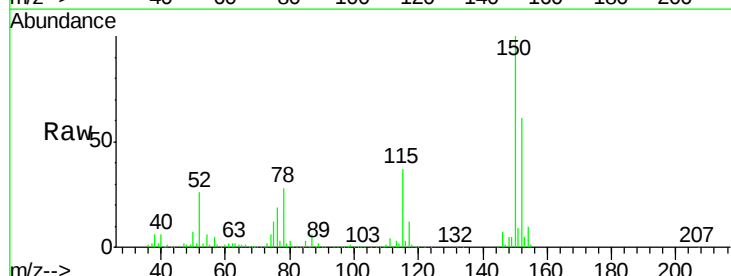


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

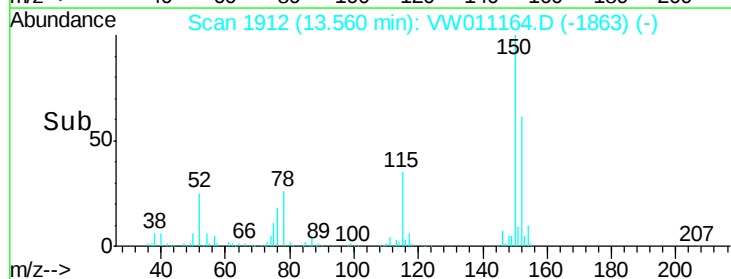
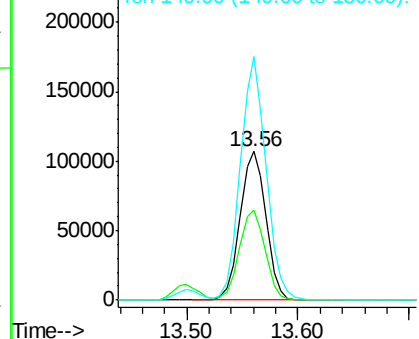


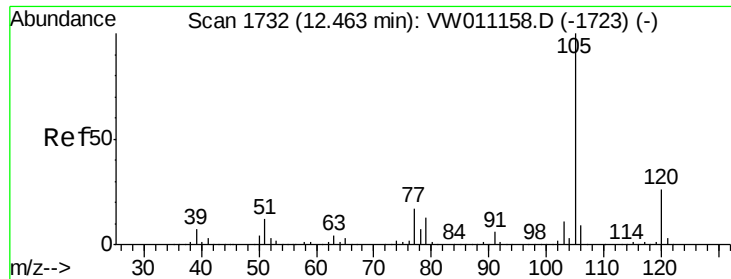
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.7	30.1	90.3
150	163.7	0.0	346.0



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





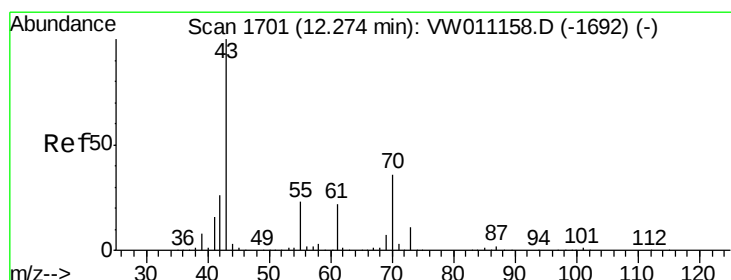
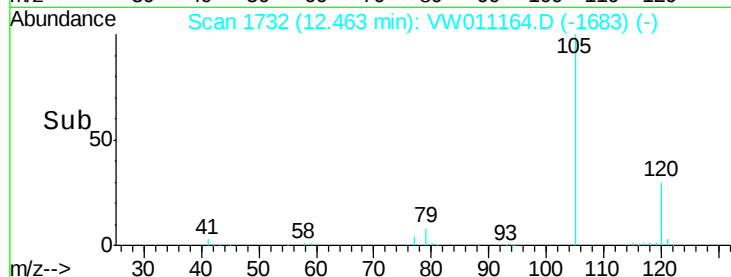
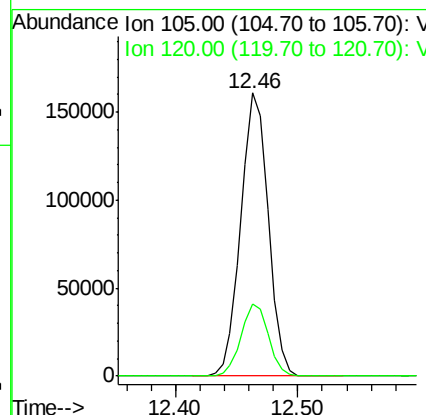
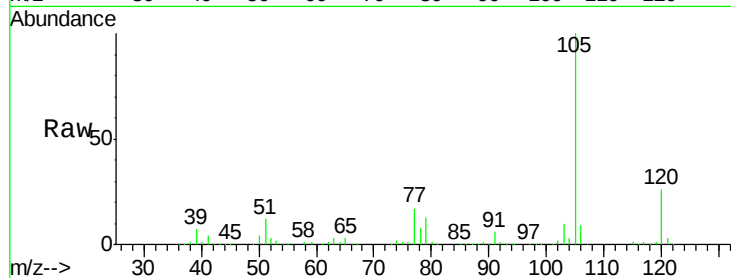
#73
Isopropylbenzene
Concen: 19.560 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

Instrument :
MSVOA_W
ClientSampled :
VW0708SBS01

Tot Ion: 105 Resp: 249556
Ion Ratio Lower Upper
105 100
120 25.5 12.8 38.3

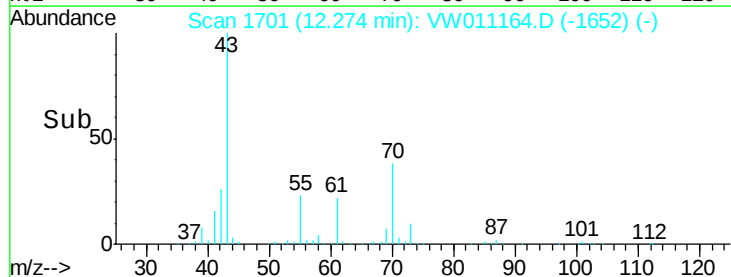
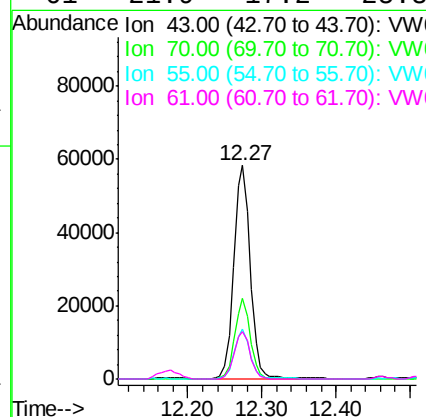
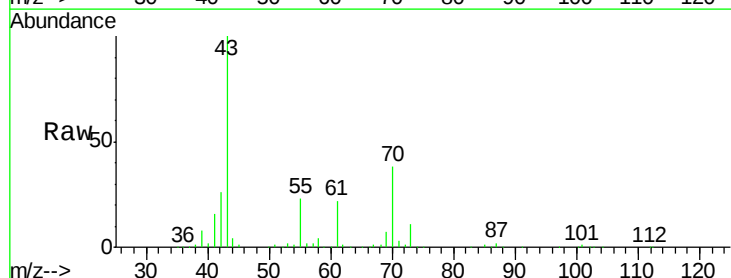
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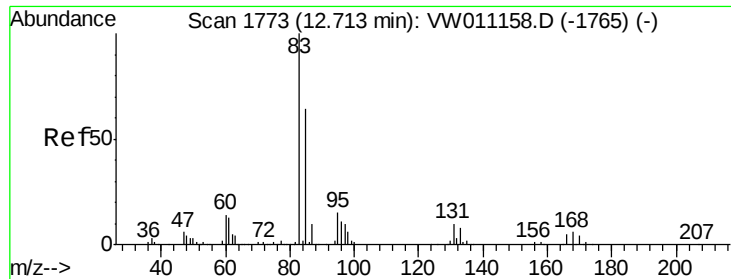
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#74
N-ethyl acetate
Concen: 20.312 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

Tgt Ion: 43 Resp: 90252
Ion Ratio Lower Upper
43 100
70 35.4 28.5 42.7
55 22.4 18.1 27.1
61 21.9 17.2 25.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.895 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011164.D

Acq: 08 Jul 2019 16:46

Instrument :

MSVOA_W

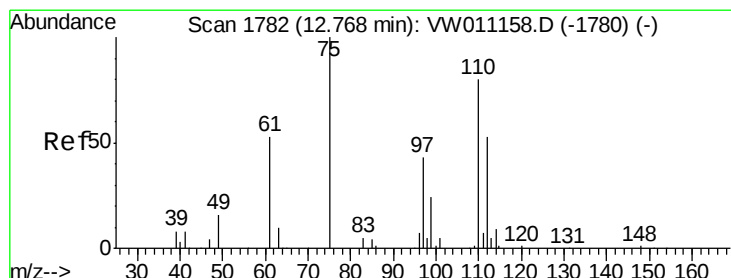
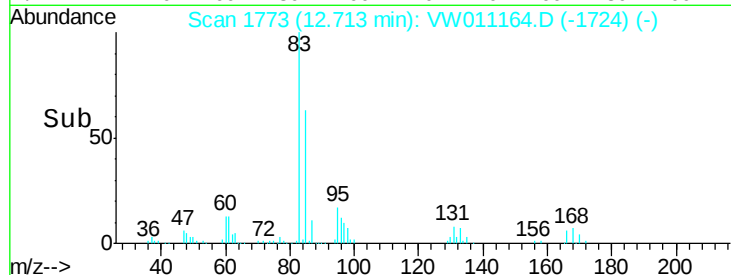
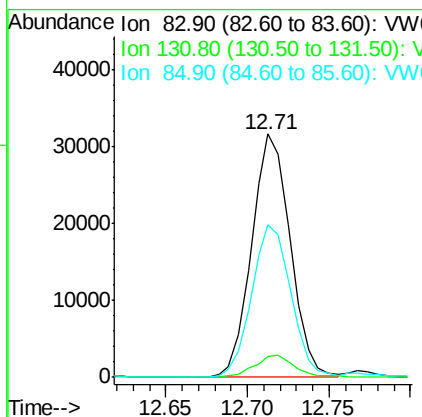
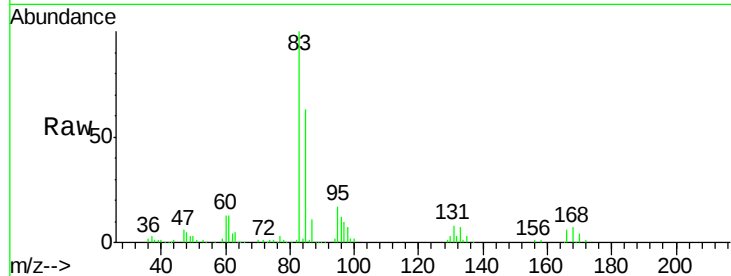
ClientSampleId :

VW0708SBS01

Tot Ion:	83	Resp:	52030
Ion Ratio	Lower	Upper	
83	100		
131	9.6	5.0	15.0
85	63.7	31.6	94.8

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#76

1,2,3-Trichloropropane

Concen: 22.366 ug/l m

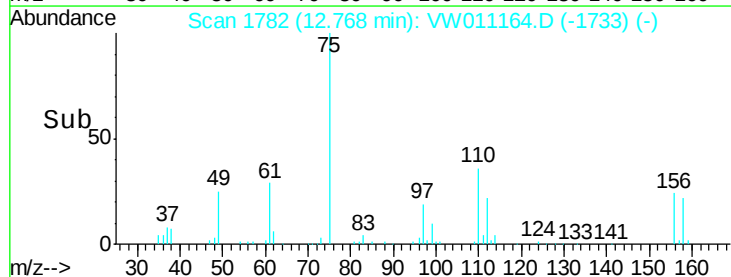
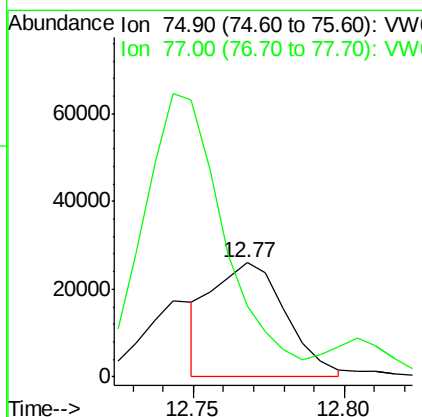
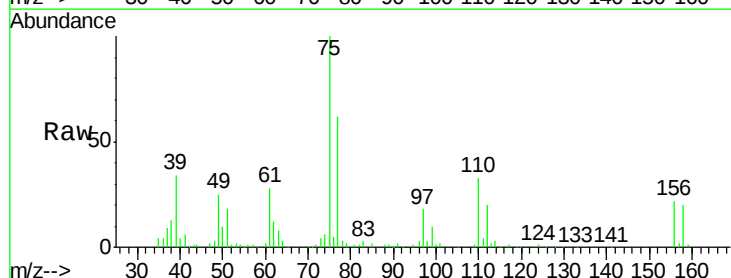
RT: 12.77 min Scan# 1782

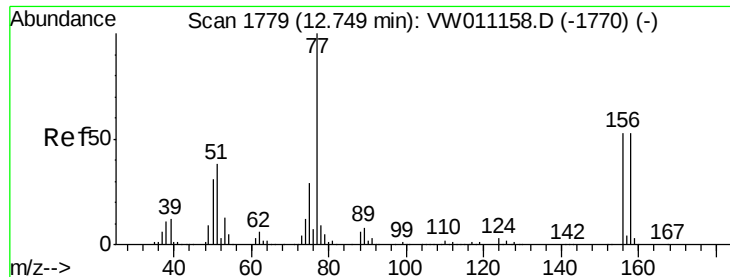
Delta R.T. 0.00 min

Lab File: VW011164.D

Acq: 08 Jul 2019 16:46

Tgt Ion:	75	Resp:	44112
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.475 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW011164.D

Acq: 08 Jul 2019 16:46

Instrument :

MSVOA_W

ClientSampleId :

VW0708SBS01

Tot Ion:156 Resp: 55762

Ion Ratio Lower Upper

156 100

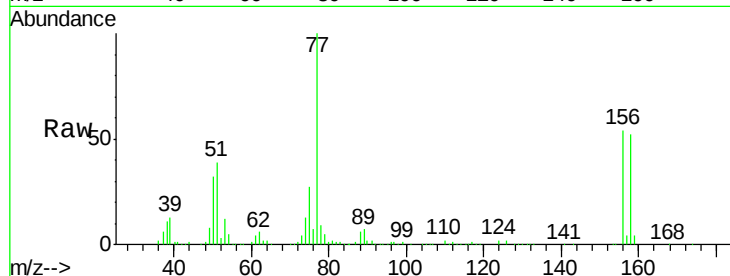
77 217.6 109.0 327.0

158 96.3 48.8 146.3

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MMDadoda

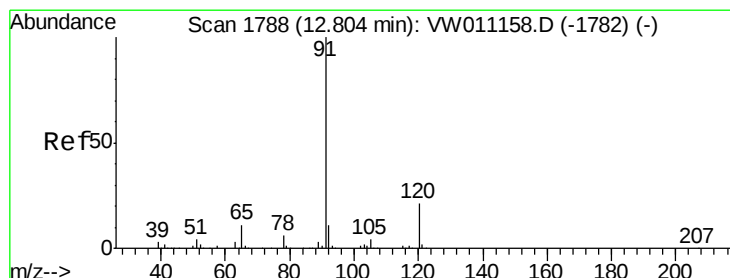
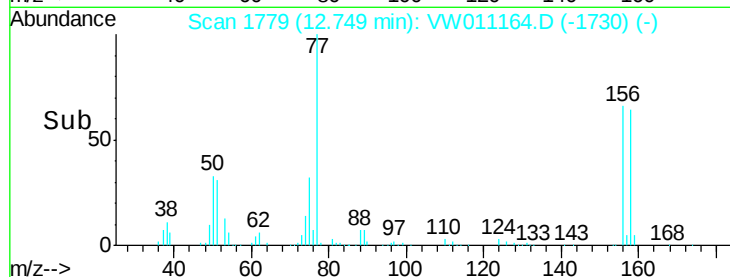
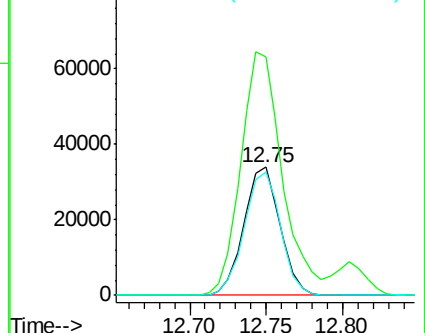
7/9/2019 4:13:15 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.552 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW011164.D

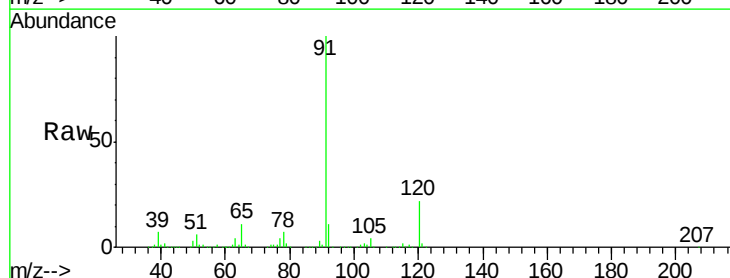
Acq: 08 Jul 2019 16:46

Tgt Ion: 91 Resp: 307289

Ion Ratio Lower Upper

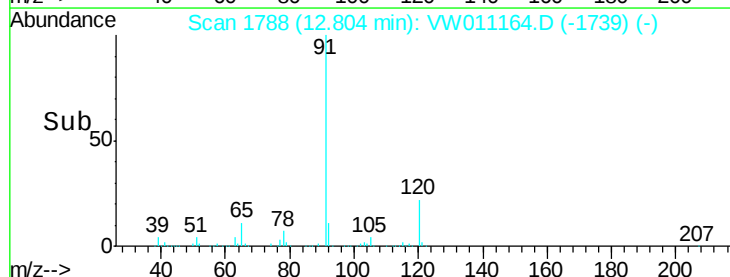
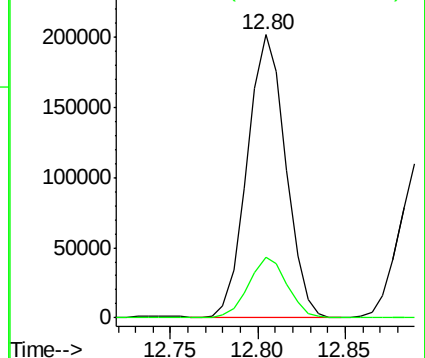
91 100

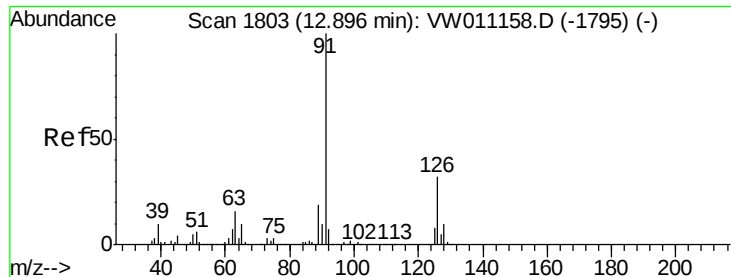
120 21.6 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





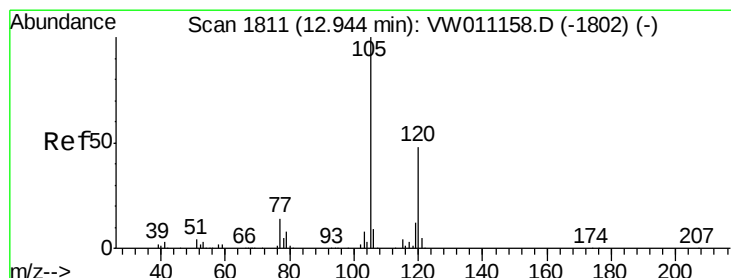
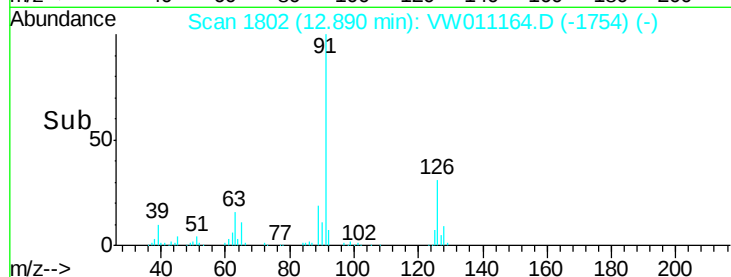
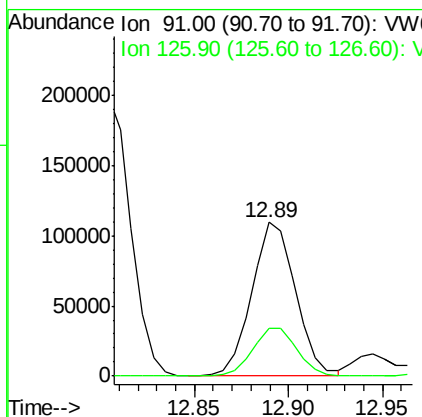
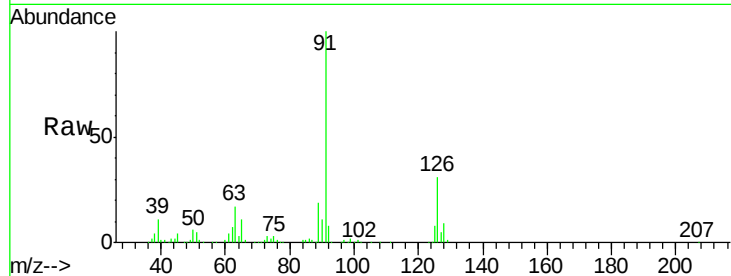
#79
2-Chlorotoluene
Concen: 19.531 ug/l
RT: 12.89 min Scan# 1802
Delta R.T. -0.01 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

Instrument :
MSVOA_W
ClientSampleId :
VW0708SBS01

Tot Ion: 91 Resp: 176637
Ion Ratio Lower Upper
91 100
126 31.3 15.8 47.3

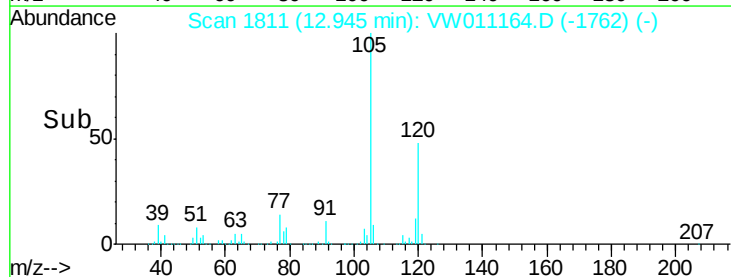
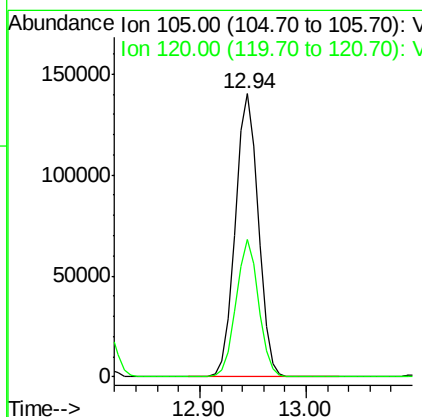
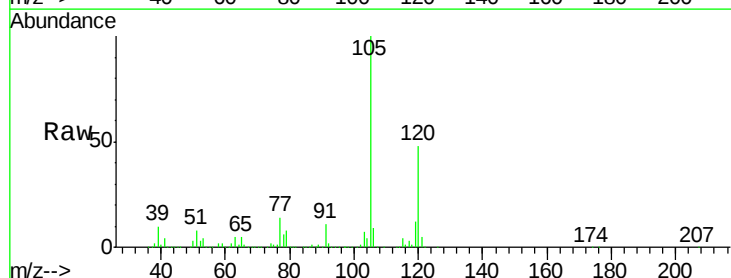
Manual Integrations
APPROVED

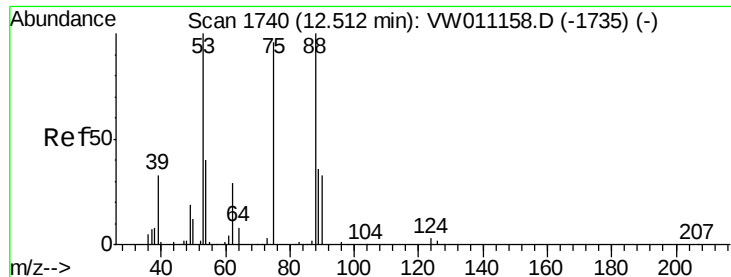
MMDadoda
7/9/2019 4:13:15 PM



#80
1,3,5-Trimethylbenzene
Concen: 19.701 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

Tgt Ion: 105 Resp: 213537
Ion Ratio Lower Upper
105 100
120 47.3 24.1 72.2





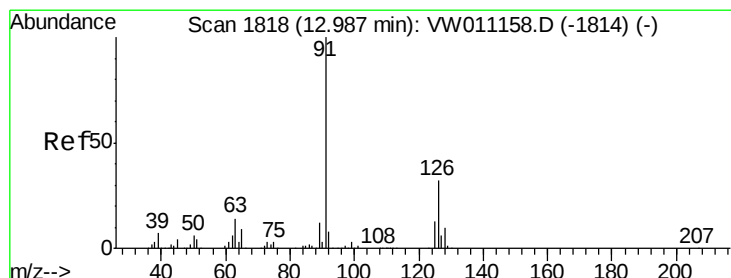
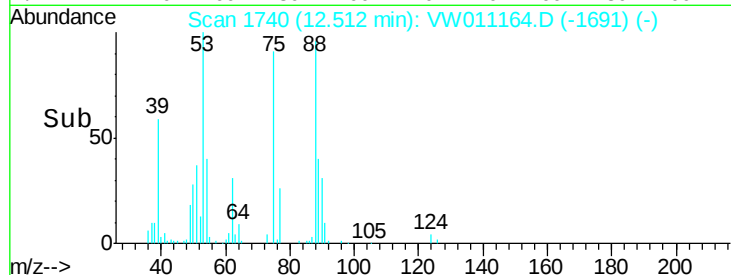
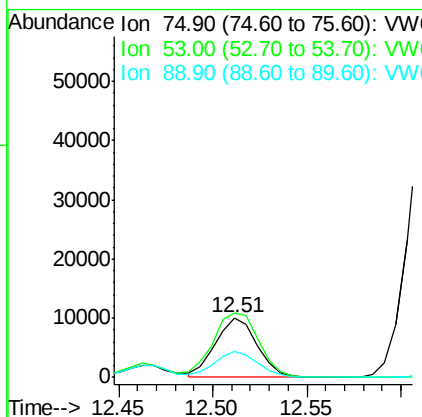
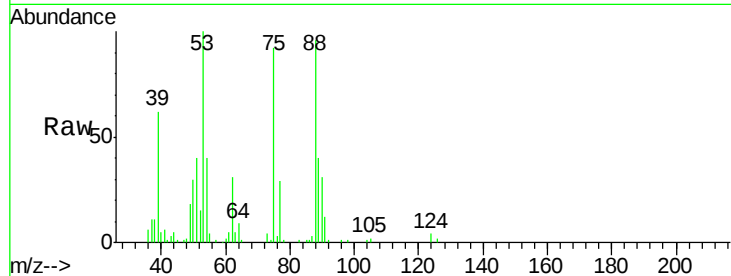
#81
trans-1,4-Dichloro-2-butene
Concen: 17.884 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

Instrument :
MSVOA_W
ClientSampleId :
VW0708SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	117.6	89.8	134.6
89	44.2	34.3	51.5

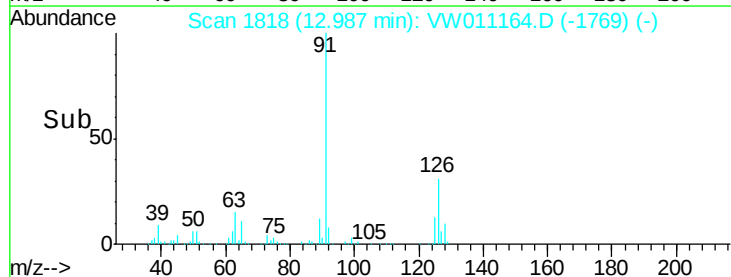
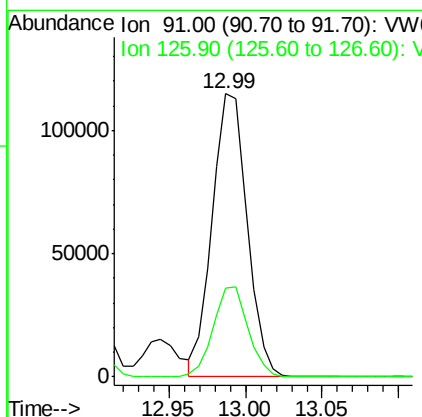
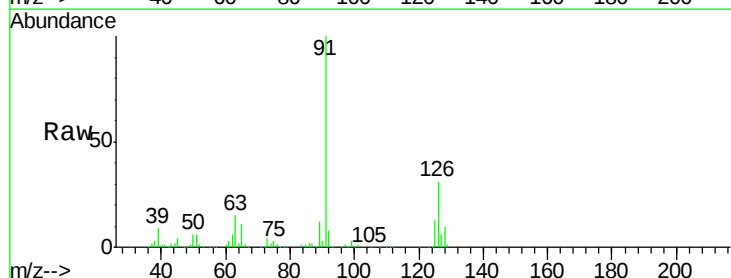
Manual Integrations
APPROVED

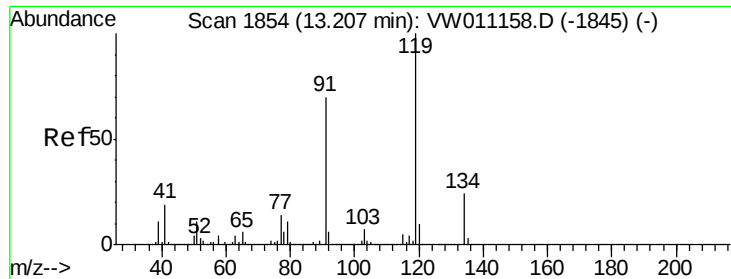
MMDadoda
7/9/2019 4:13:15 PM



#82
4-Chlorotoluene
Concen: 19.357 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.7	15.7	47.1





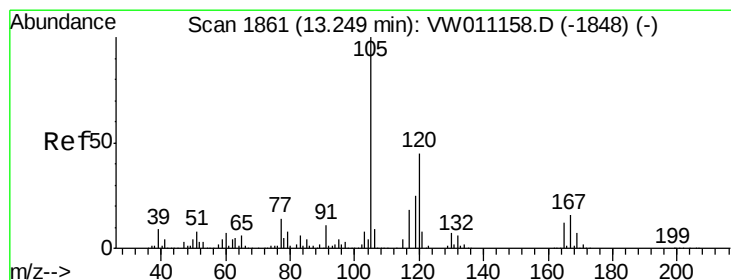
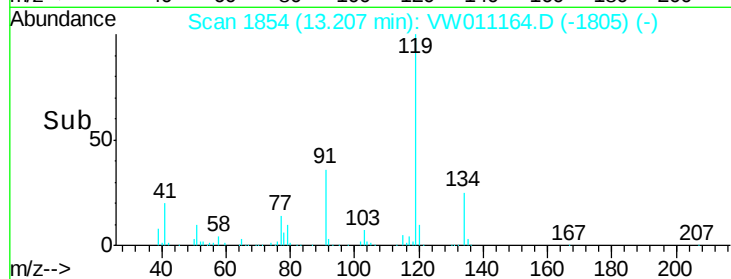
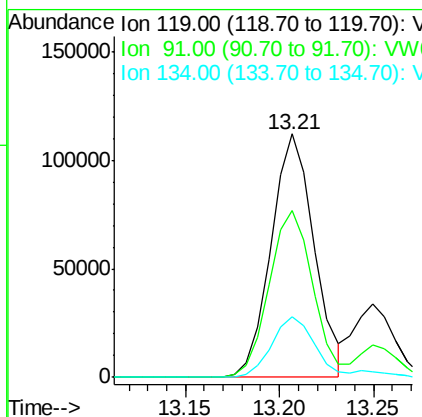
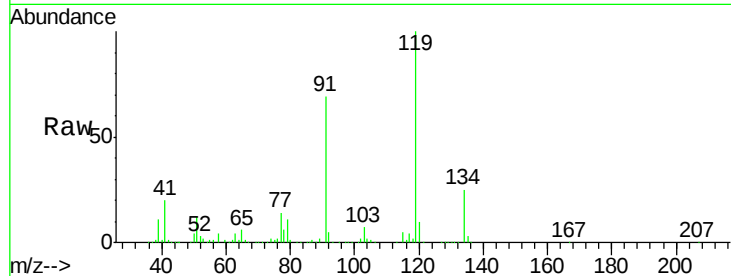
#83
tert-Butylbenzene
Concen: 19.676 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

Instrument :
MSVOA_W
ClientSampleId :
VW0708SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.2	35.4	106.3
134	24.7	13.4	40.2

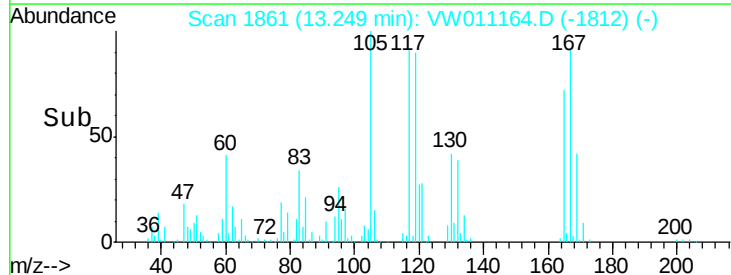
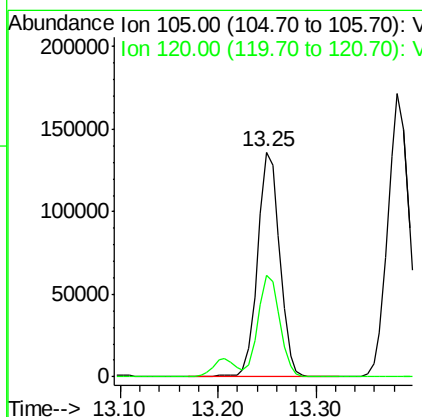
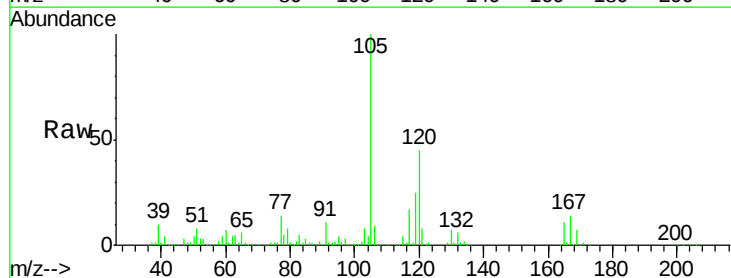
Manual Integrations
APPROVED

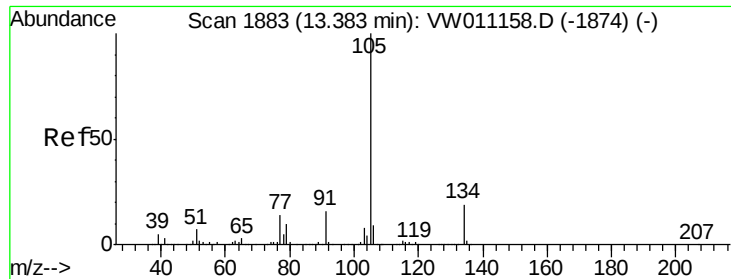
MMDadoda
7/9/2019 4:13:15 PM



#84
1,2,4-Trimethylbenzene
Concen: 19.611 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.3	66.9





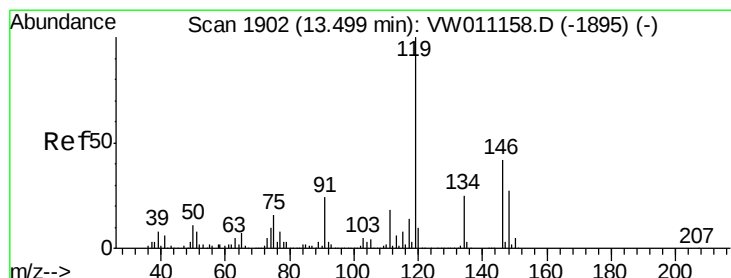
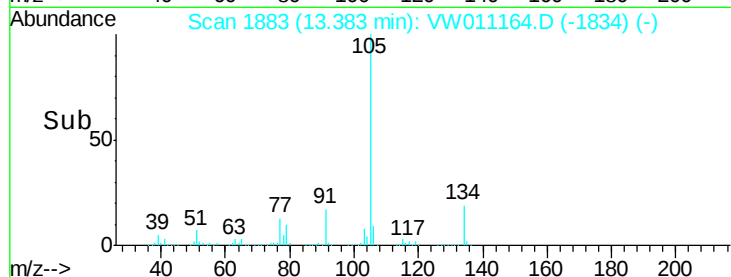
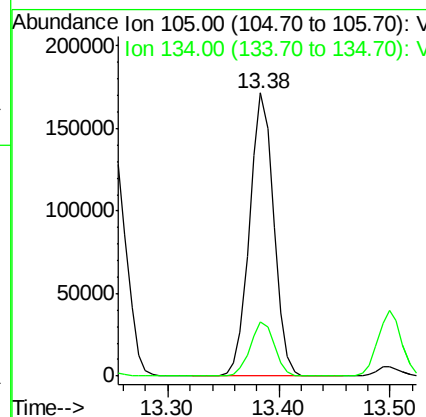
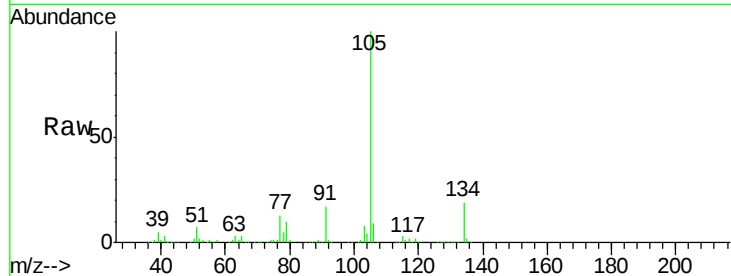
#85
 sec-Butylbenzene
 Concen: 19.851 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW011164.D
 Acq: 08 Jul 2019 16:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0708SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	258932		
134	19.2	9.7	28.9	

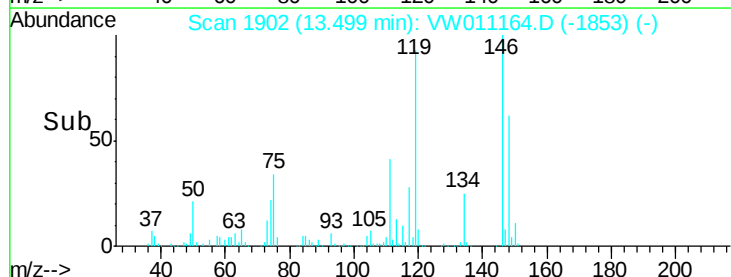
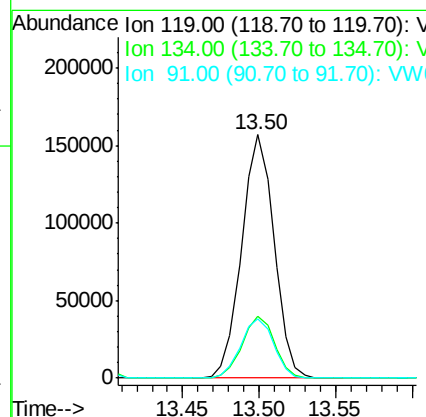
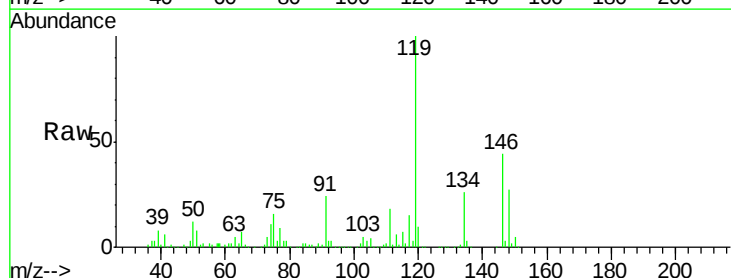
Manual Integrations
 APPROVED

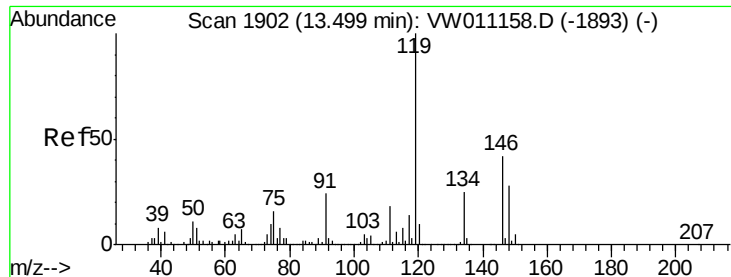
MMDadoda
 7/9/2019 4:13:15 PM



#86
 p-Isopropyltoluene
 Concen: 19.673 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011164.D
 Acq: 08 Jul 2019 16:46

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	230160		
134	25.6	12.9	38.6	
91	25.0	12.3	36.8	





#87

1,3-Dichlorobenzene

Concen: 19.673 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011164.D

Acq: 08 Jul 2019 16:46

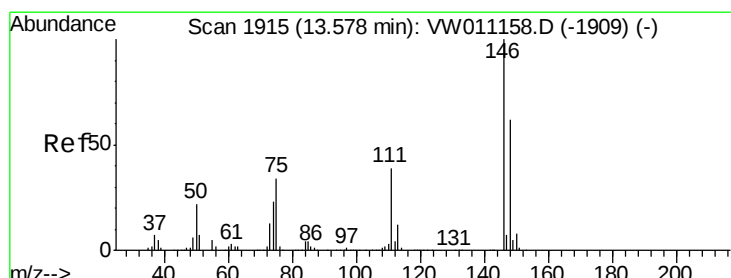
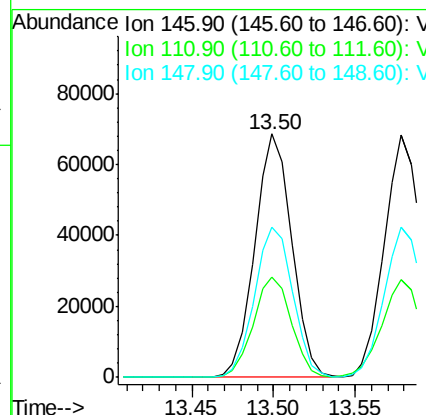
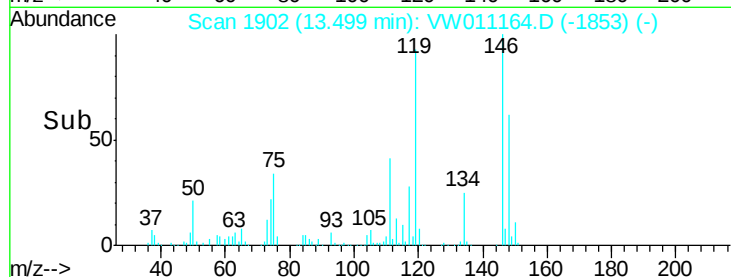
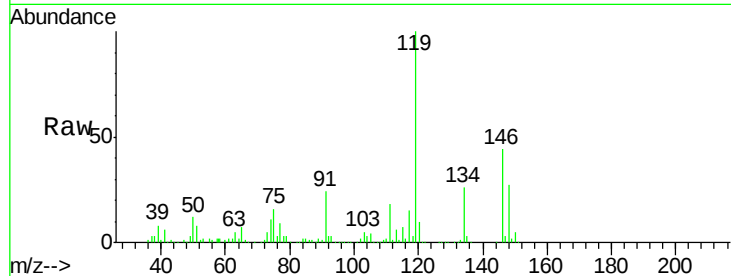
Instrument :
MSVOA_W

ClientSampleId :
VW0708SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	42.3	21.1	63.1	
148	63.9	32.6	97.7	

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.777 ug/l

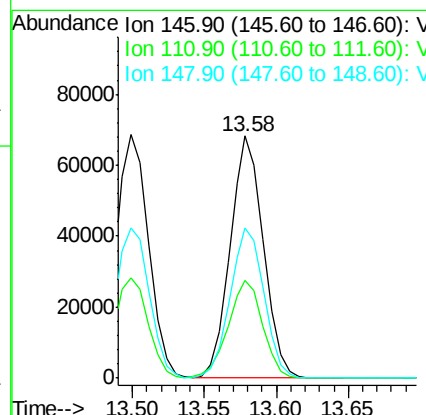
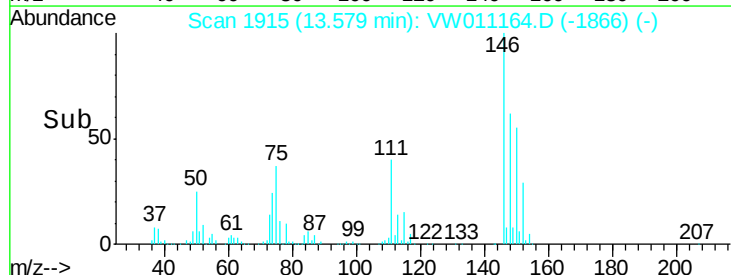
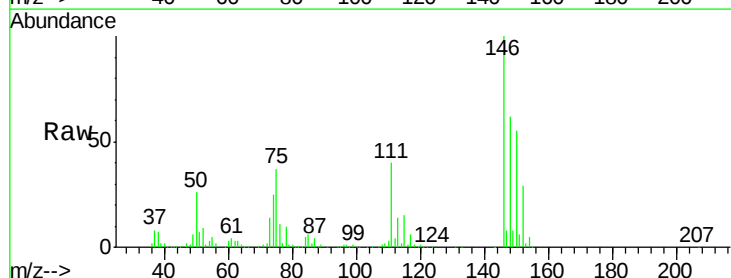
RT: 13.58 min Scan# 1915

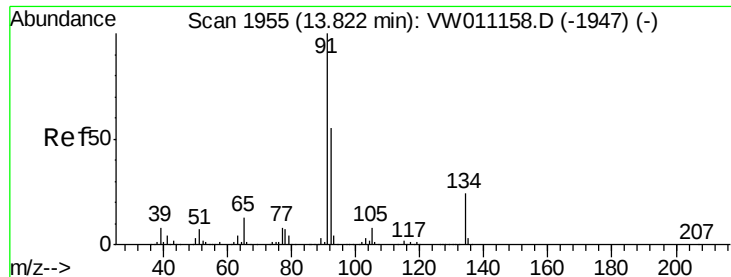
Delta R.T. 0.00 min

Lab File: VW011164.D

Acq: 08 Jul 2019 16:46

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	42.0	19.9	59.7	
148	63.7	31.5	94.5	





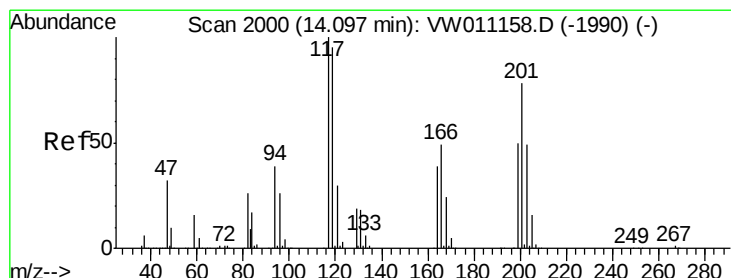
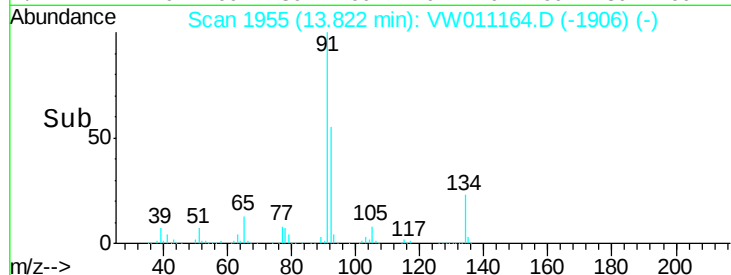
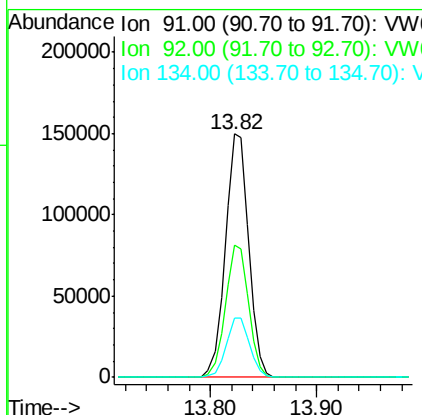
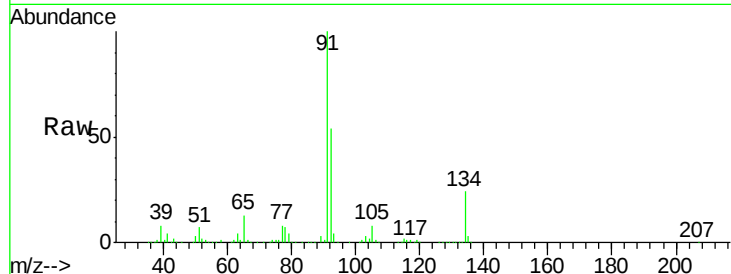
#89
n-Butylbenzene
Concen: 19.650 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

Instrument :
MSVOA_W
ClientSampleId :
VW0708SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.0	26.9	80.7
134	24.5	12.2	36.4

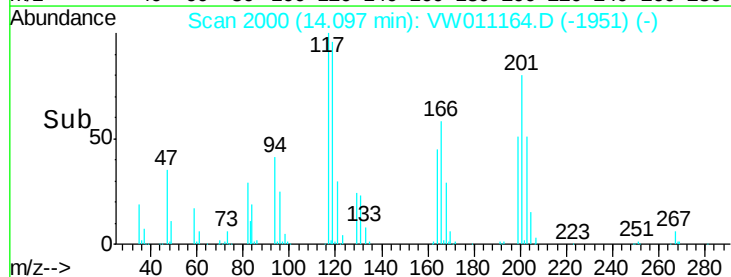
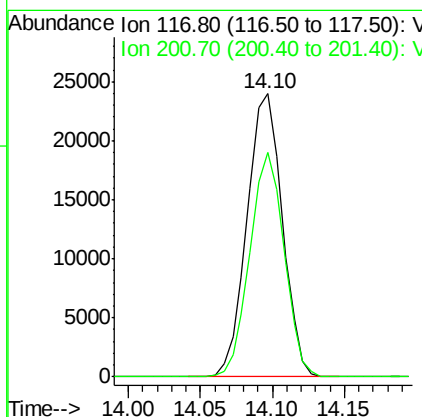
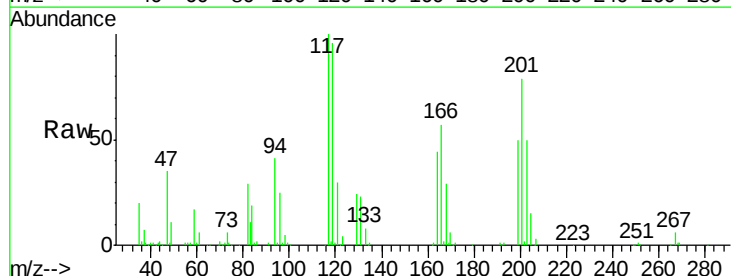
Manual Integrations
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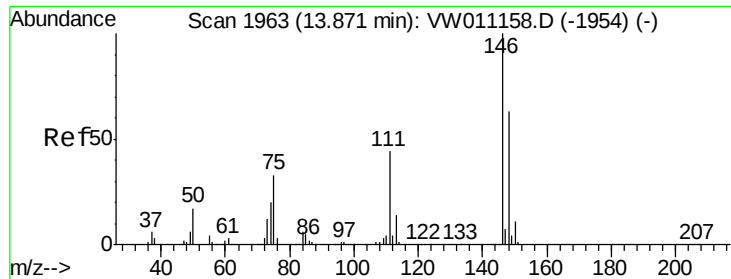
MMDadoda
7/9/2019 4:13:15 PM



#90
Hexachloroethane
Concen: 19.017 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.1	38.3	114.8





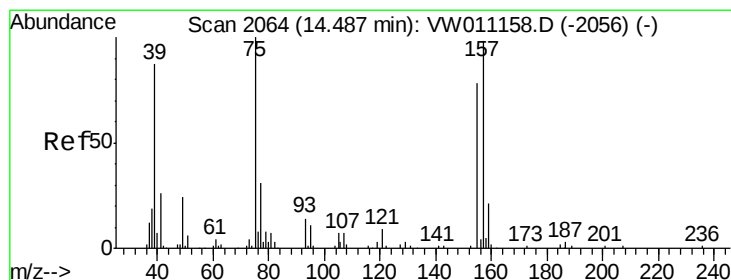
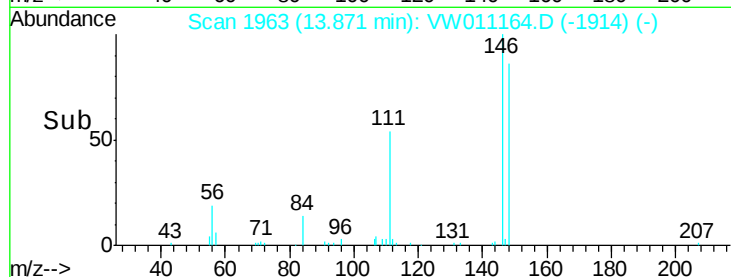
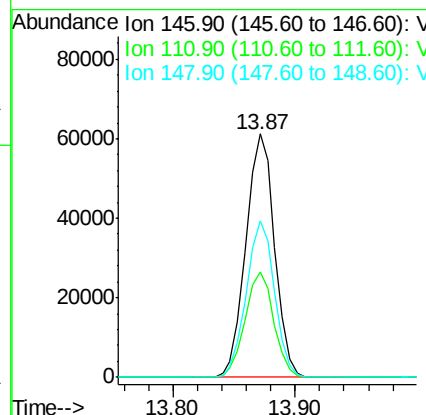
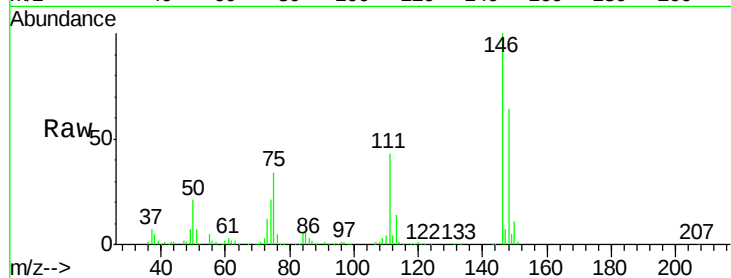
#91
 1,2-Dichlorobenzene
 Concen: 19.904 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011164.D
 Acq: 08 Jul 2019 16:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0708SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.6	65.0
148	63.4	31.9	95.5

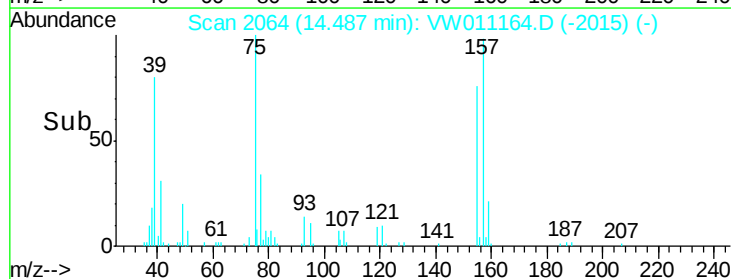
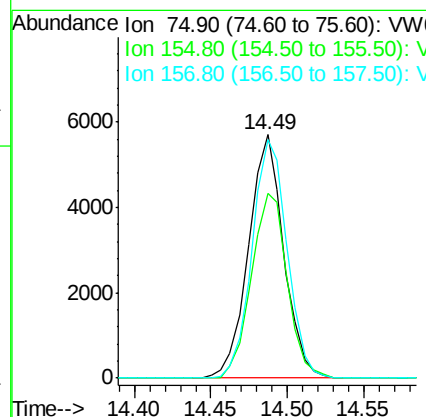
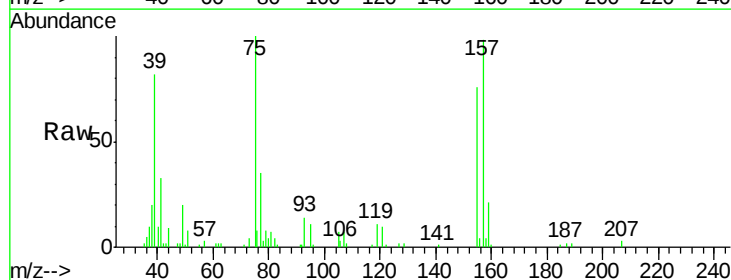
Manual Integrations
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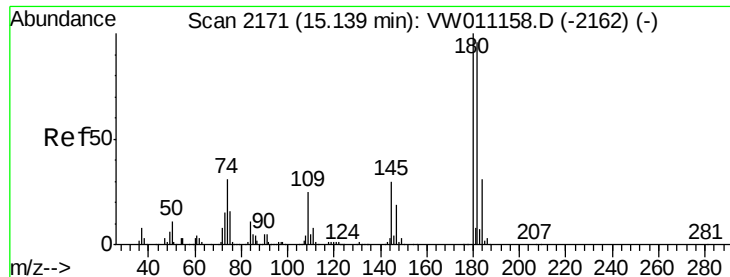
MMDadoda
 7/9/2019 4:13:15 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.544 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW011164.D
 Acq: 08 Jul 2019 16:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.7	37.1	111.3
157	98.1	48.5	145.6





#93

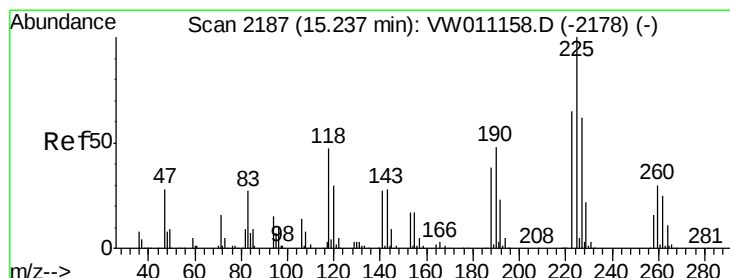
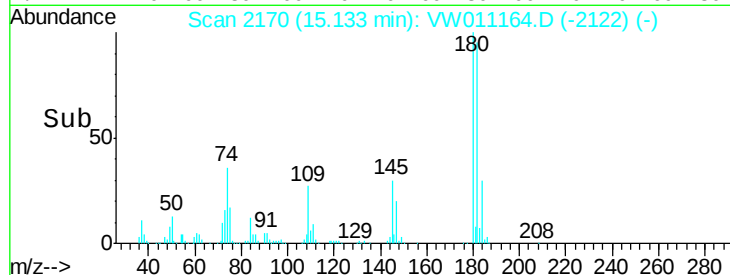
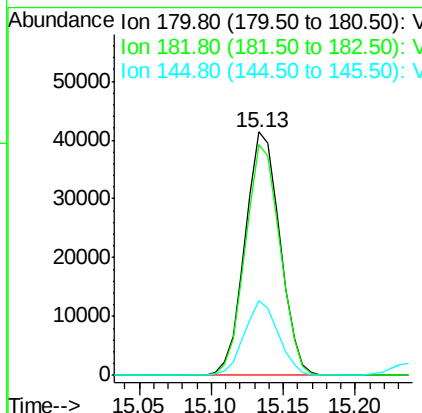
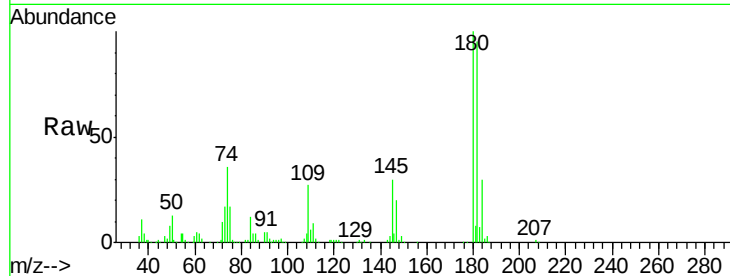
1,2,4-Trichlorobenzene
Concen: 20.105 ug/l
RT: 15.13 min Scan# 2170
Delta R.T. -0.01 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

Instrument :
MSVOA_W
ClientSampleId :
VW0708SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	48.3	144.9
145	29.8	15.5	46.5

Manual Integrations
APPROVED

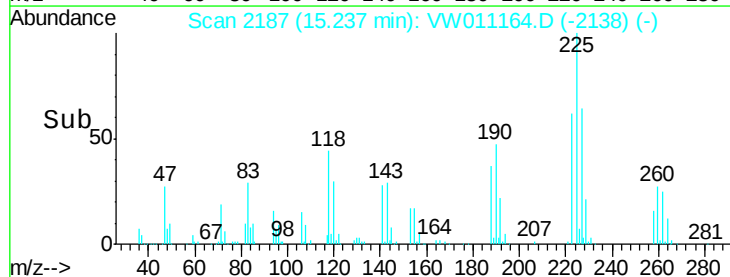
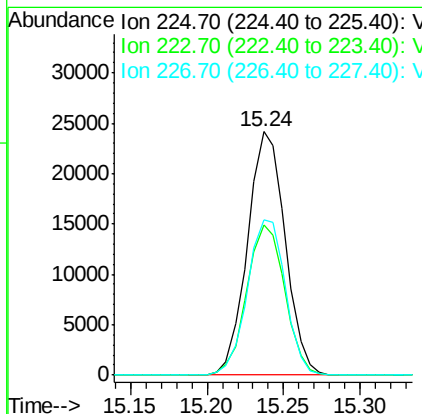
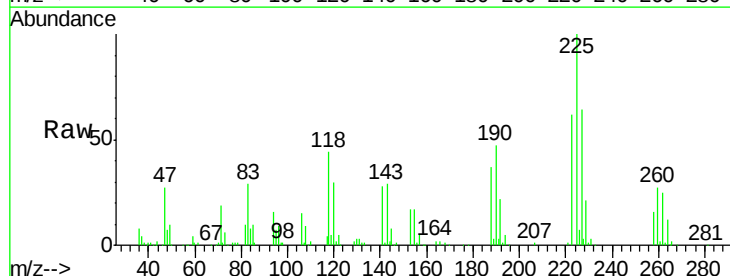
MMDadoda
7/9/2019 4:13:15 PM

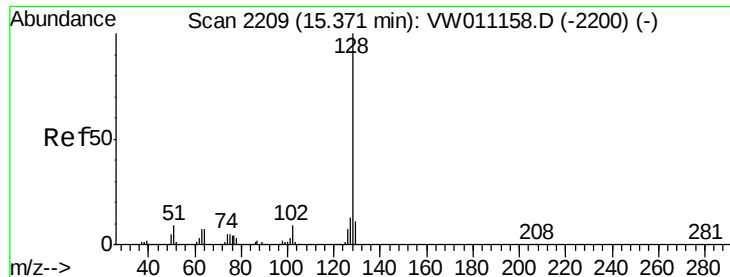


#94

Hexachlorobutadiene
Concen: 19.610 ug/l
RT: 15.24 min Scan# 2187
Delta R.T. 0.00 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.6	95.0
227	64.3	32.0	96.0





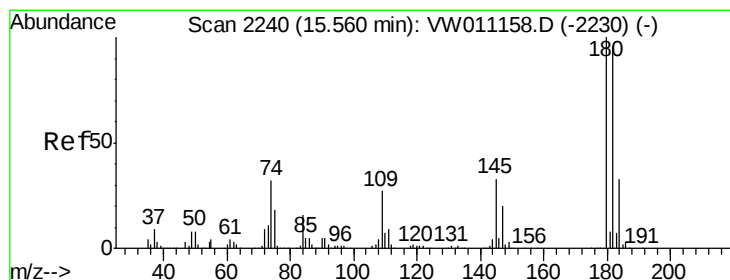
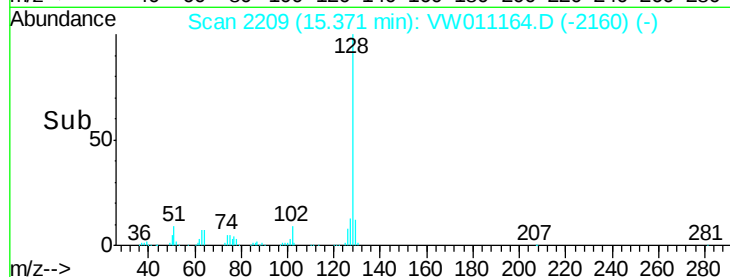
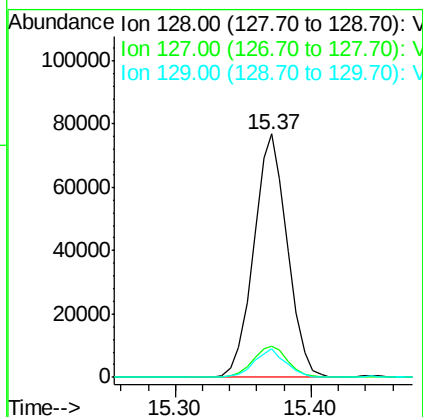
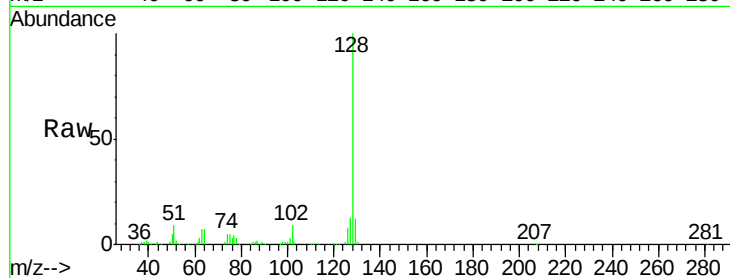
#95
Naphthalene
Concen: 20.100 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

Instrument :
MSVOA_W
ClientSampleId :
VW0708SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.6	16.0
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
7/9/2019 4:13:15 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.232 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW011164.D
Acq: 08 Jul 2019 16:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.6	142.8
145	32.5	16.5	49.5

