

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061919\
 Data File : VW010848.D
 Acq On : 19 Jun 2019 14:12
 Operator : SY/VA
 Sample : VW0619SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0619SBS01

Manual Integrations
 APPROVED

MMDadoda
 6/20/2019 12:00:12 PM

Quant Time: Jun 20 06:03:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 05 03:21:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	267197	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	441308	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	388162	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	185995	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	159486	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	
35) Dibromofluoromethane	7.88	113	123141	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	
50) Toluene-d8	10.32	98	519390	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	
62) 4-Bromofluorobenzene	12.62	95	190145	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	48748	19.743	ug/l	99
3) Chloromethane	2.21	50	72526	19.964	ug/l	96
4) Vinyl Chloride	2.35	62	64144	19.111	ug/l	98
5) Bromomethane	2.74	94	39218	21.278	ug/l	96
6) Chloroethane	2.90	64	39086	19.401	ug/l	99
7) Trichlorofluoromethane	3.25	101	89267	20.488	ug/l	99
8) Diethyl Ether	3.68	74	29622	19.025	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	54882	20.489	ug/l	100
10) Methyl Iodide	4.27	142	32242	15.362	ug/l	98
11) Tert butyl alcohol	5.16	59	34922	136.110	ug/l #	94
12) 1,1-Dichloroethene	4.03	96	50607	19.585	ug/l	95
13) Acrolein	3.89	56	6207	59.202	ug/l	96
14) Allyl chloride	4.67	41	118274	20.759	ug/l	98
15) Acrylonitrile	5.37	53	72077	95.286	ug/l	98
16) Acetone	4.12	43	92205	109.265	ug/l	99
17) Carbon Disulfide	4.37	76	151897	18.518	ug/l	100
18) Methyl Acetate	4.67	43	35827	19.723	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	142109	19.068	ug/l	97
20) Methylene Chloride	4.92	84	59979	20.261	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	58420	19.916	ug/l	97
22) Diisopropyl ether	6.31	45	236325	20.718	ug/l	99
23) Vinyl Acetate	6.26	43	665031	96.608	ug/l	99
24) 1,1-Dichloroethane	6.21	63	118662	20.759	ug/l	98
25) 2-Butanone	7.17	43	112719	96.330	ug/l	95
26) 2,2-Dichloropropane	7.16	77	103796	22.314	ug/l	96
27) cis-1,2-Dichloroethene	7.16	96	65457	20.277	ug/l	95
28) Bromochloromethane	7.51	49	52428	20.552	ug/l	97
29) Tetrahydrofuran	7.53	42	67484	91.689	ug/l	98
30) Chloroform	7.67	83	107342	20.530	ug/l	98
31) Cyclohexane	7.95	56	125010	19.673	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	93754	20.527	ug/l	99
36) 1,1-Dichloropropene	8.08	75	90503	20.035	ug/l	99
37) Ethyl Acetate	7.26	43	48201	19.256	ug/l	100
38) Carbon Tetrachloride	8.07	117	79993	20.513	ug/l	99

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Manual Integrations
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MMDadoda
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Quant Time: Jun 20 06:03:02 2019
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 Quant Title : SW846 8260
 QLast Update : Wed Jun 05 03:21:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	111296	19.381	ug/l	98
40) Benzene	8.32	78	250491	20.327	ug/l	99
41) Methacrylonitrile	7.48	41	27796	18.681	ug/l	98
42) 1,2-Dichloroethane	8.40	62	79368	20.292	ug/l	99
43) Isopropyl Acetate	8.42	43	89472	18.501	ug/l	99
44) Trichloroethene	9.09	130	59760	19.659	ug/l	98
45) 1,2-Dichloropropane	9.37	63	66540	20.397	ug/l	99
46) Dibromomethane	9.46	93	29621	19.549	ug/l	98
47) Bromodichloromethane	9.65	83	77293	19.679	ug/l	97
48) Methyl methacrylate	9.44	41	42761	18.339	ug/l	100
49) 1,4-Dioxane	9.44	88	8685	366.620	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	231530	93.714	ug/l	99
52) Toluene	10.39	92	150971	19.911	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	79339	19.071	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	96600	19.733	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	42356	19.405	ug/l	98
56) Ethyl methacrylate	10.65	69	60923	18.139	ug/l	96
57) 1,3-Dichloropropane	10.93	76	79880	19.419	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	171197	97.313	ug/l	99
59) 2-Hexanone	10.97	43	161720	90.571	ug/l	97
60) Dibromochloromethane	11.13	129	45164	18.665	ug/l	99
61) 1,2-Dibromoethane	11.24	107	38879	18.799	ug/l	100
64) Tetrachloroethene	10.86	164	50683	19.666	ug/l	97
65) Chlorobenzene	11.66	112	153491	20.108	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	52400	19.831	ug/l	99
67) Ethyl Benzene	11.73	91	296407	20.205	ug/l	98
68) m/p-Xylenes	11.84	106	211258	40.229	ug/l	99
69) o-Xylene	12.17	106	97748	19.626	ug/l	95
70) Styrene	12.18	104	171409	19.812	ug/l	98
71) Bromoform	12.35	173	24438	17.883	ug/l #	99
73) Isopropylbenzene	12.47	105	281651	20.151	ug/l	99
74) N-amyl acetate	12.27	43	84116	18.622	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	49939	18.768	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	29490m	15.098	ug/l	
77) Bromobenzene	12.75	156	60043	19.680	ug/l	98
78) n-propylbenzene	12.80	91	343928	20.407	ug/l	100
79) 2-Chlorotoluene	12.90	91	196551	20.413	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	232834	20.352	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	14612	17.194	ug/l	96
82) 4-Chlorotoluene	12.99	91	202648	20.395	ug/l	100
83) tert-Butylbenzene	13.21	119	202841	20.892	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	233940	20.321	ug/l	100
85) sec-Butylbenzene	13.38	105	287087	20.309	ug/l	100
86) p-Isopropyltoluene	13.50	119	254183	20.107	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	119172	20.255	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	117240	20.100	ug/l	99
89) n-Butylbenzene	13.83	91	258439	20.490	ug/l	99
90) Hexachloroethane	14.10	117	45290	20.006	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	103953	19.647	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8030	17.574	ug/l	98

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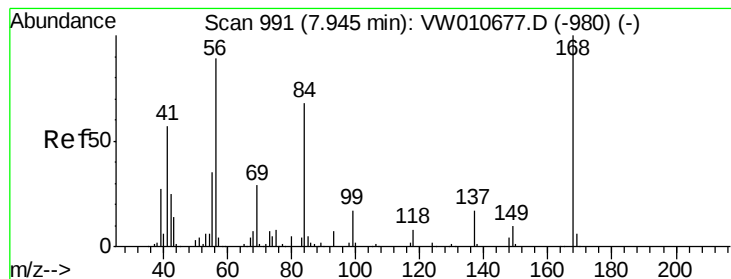
Manual Integrations
APPROVED

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6/20/2019 12:00:12 PM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
Quant Title : SW846 8260
QLast Update : Wed Jun 05 03:21:19 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	72541	19.537	ug/l	100
94) Hexachlorobutadiene	15.24	225	46533	19.969	ug/l	99
95) Naphthalene	15.37	128	114363	16.952	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	61086	19.345	ug/l	100

(#) = 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: VW010848.D

Acq: 19 Jun 2019 14:12

Instrument :

MSVOA_W

ClientSampleId :

VW0619SBS01

Tot Ion:168 Resp: 267197

Ion Ratio Lower Upper

168 100

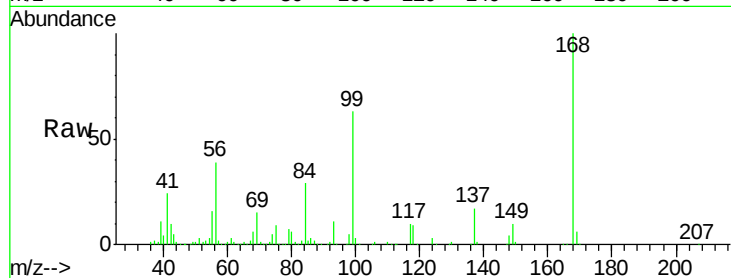
99 62.6 47.7 71.5

Manual Integrations

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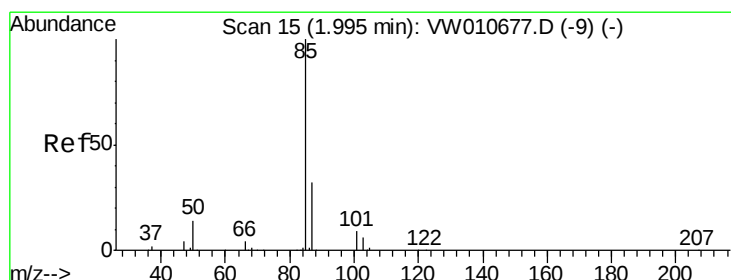
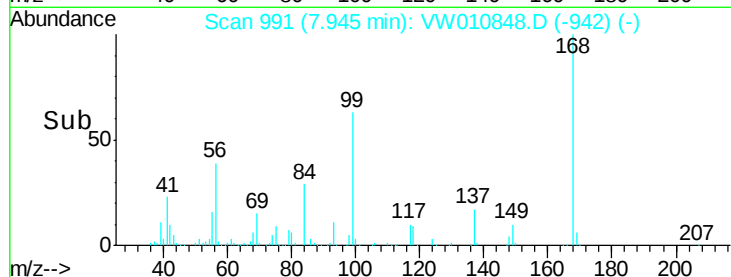
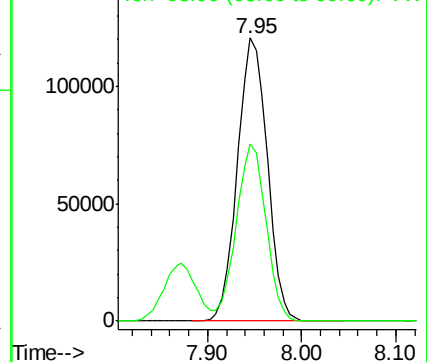
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 19.743 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.00 min

Lab File: VW010848.D

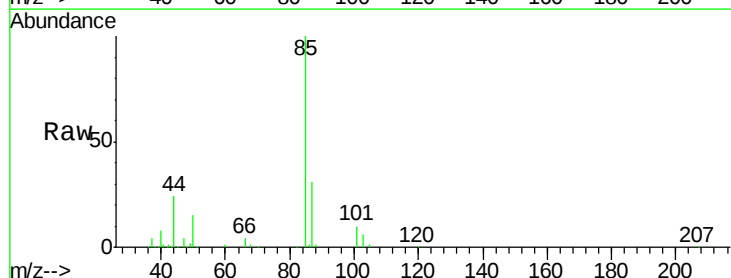
Acq: 19 Jun 2019 14:12

Tgt Ion: 85 Resp: 48748

Ion Ratio Lower Upper

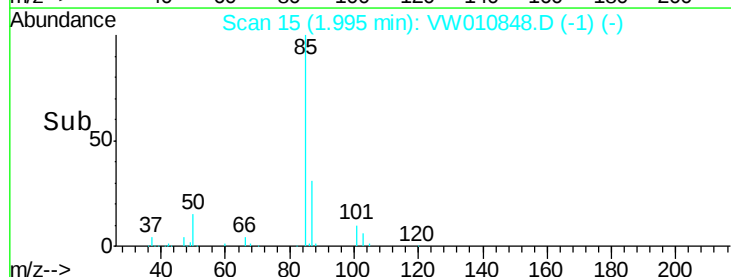
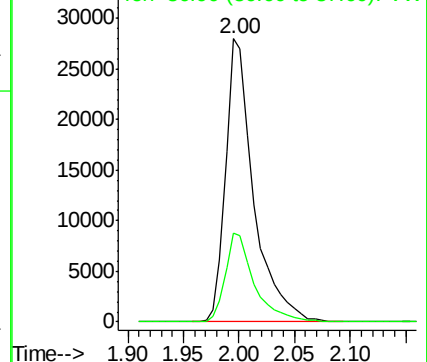
85 100

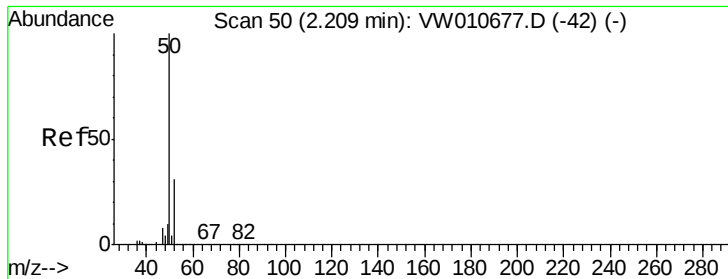
87 31.5 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 19.964 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW010848.D

Acq: 19 Jun 2019 14:12

Instrument :

MSVOA_W

ClientSampleId :

VW0619SBS01

Tot Ion: 50 Resp: 72526

Ion Ratio Lower Upper

50 100

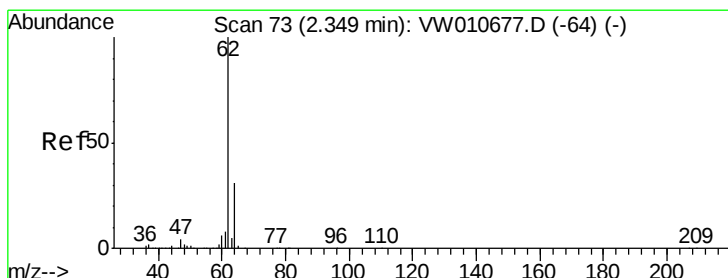
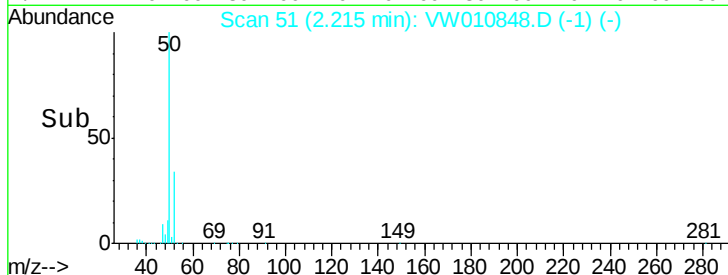
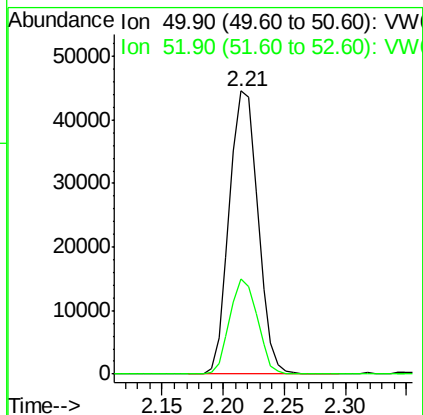
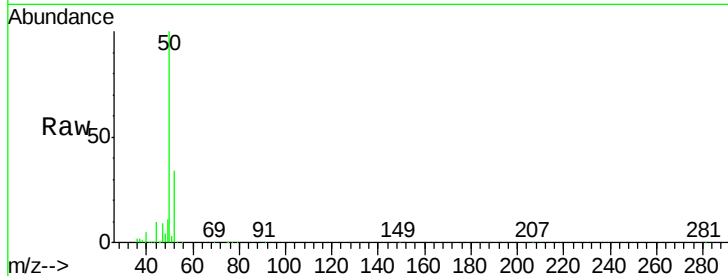
52 33.8 25.2 37.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.111 ug/l

RT: 2.35 min Scan# 74

Delta R.T. 0.01 min

Lab File: VW010848.D

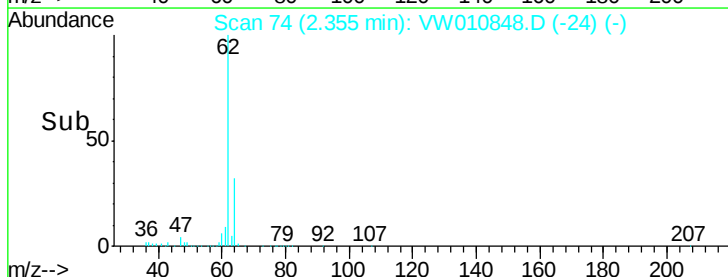
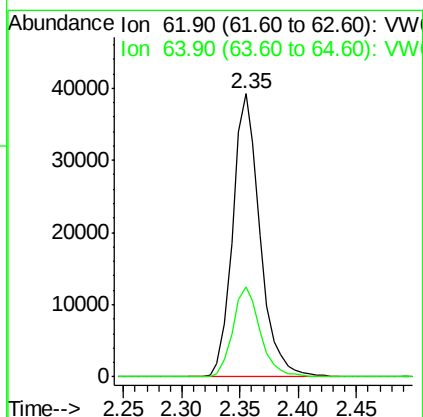
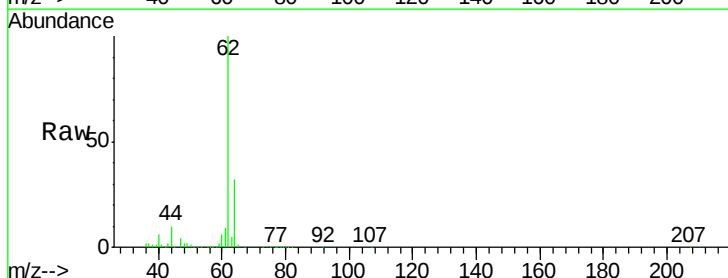
Acq: 19 Jun 2019 14:12

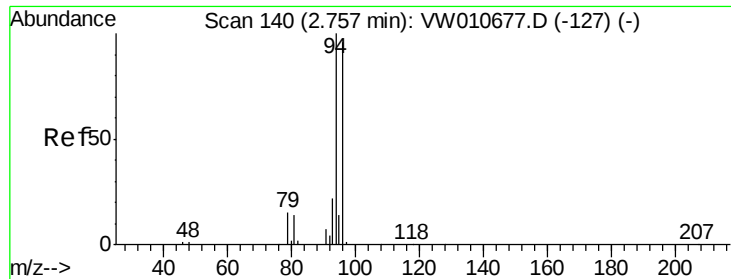
Tgt Ion: 62 Resp: 64144

Ion Ratio Lower Upper

62 100

64 31.6 24.5 36.7





#5

Bromomethane

Concen: 21.278 ug/l

RT: 2.74 min Scan# 138

Delta R.T. -0.01 min

Lab File: VW010848.D

Acq: 19 Jun 2019 14:12

Instrument :

MSVOA_W

ClientSampleId :

VW0619SBS01

Tot Ion: 94 Resp: 39218

Ion Ratio Lower Upper

94 100

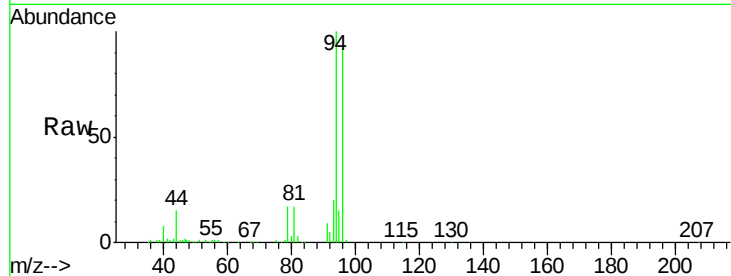
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Manual Integrations

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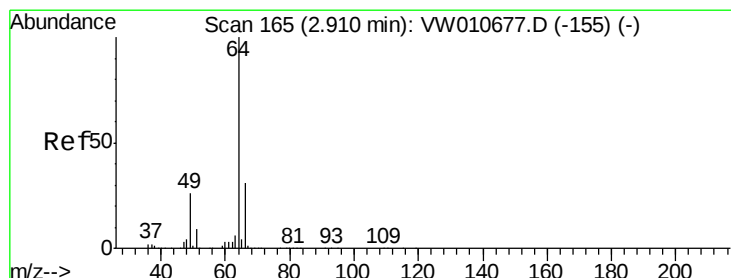
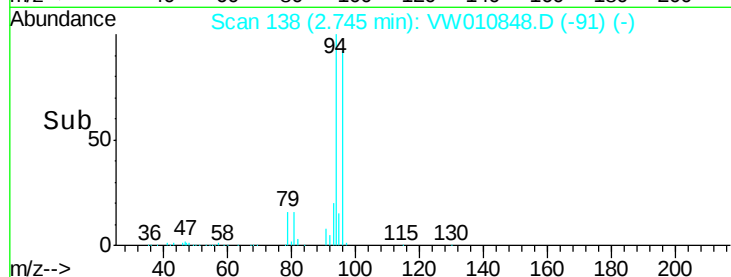
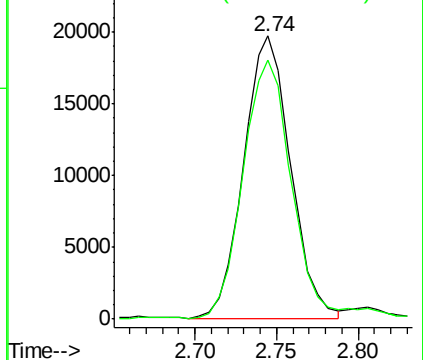
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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 19.401 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW010848.D

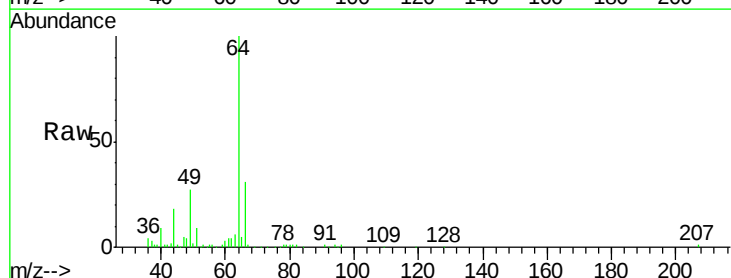
Acq: 19 Jun 2019 14:12

Tgt Ion: 64 Resp: 39086

Ion Ratio Lower Upper

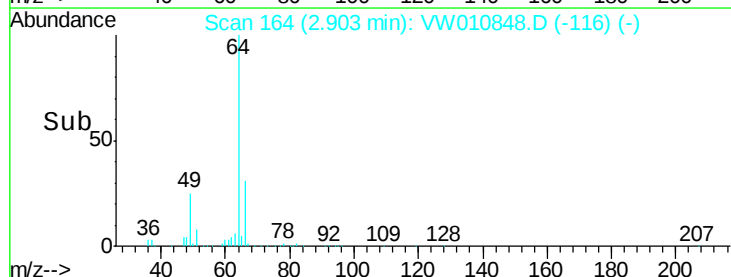
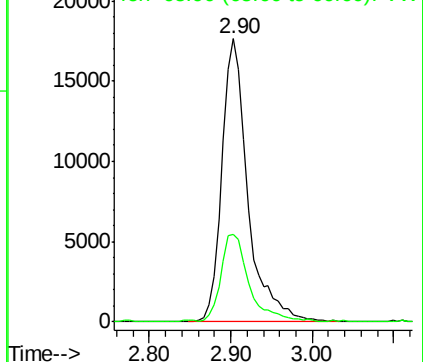
64 100

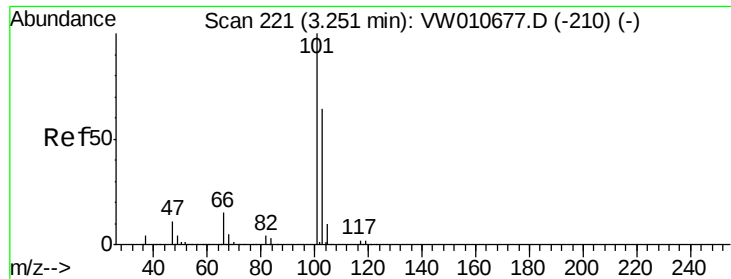
66 30.7 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

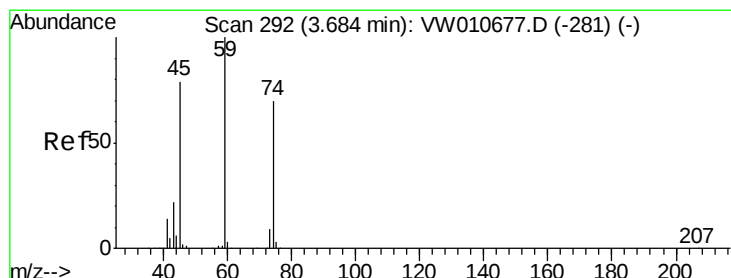
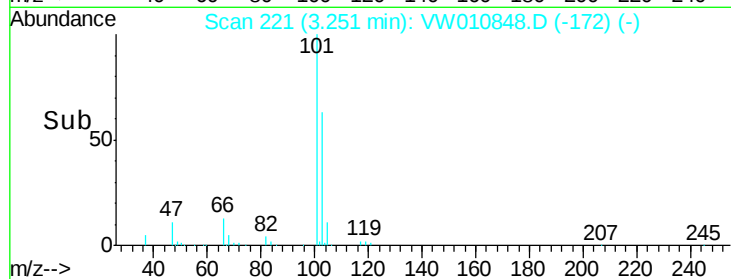
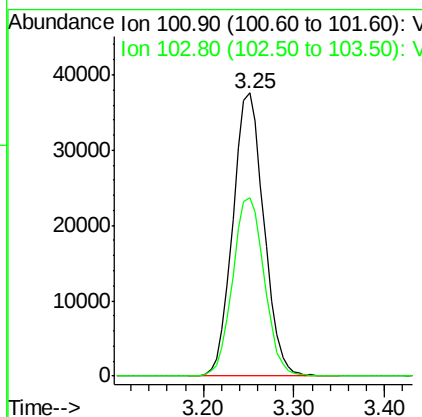
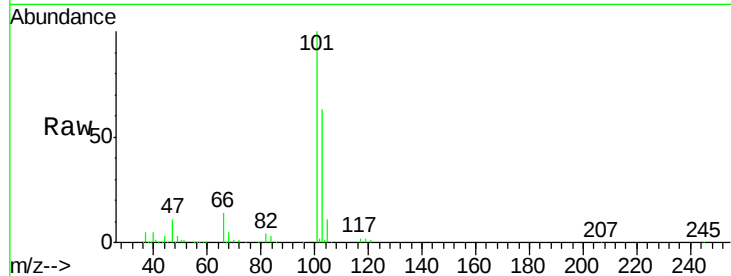
Trichlorofluoromethane
 Concen: 20.488 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW010848.D
 Acq: 19 Jun 2019 14:12

Instrument :
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 VW0619SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.2	51.2	76.8

Manual Integrations
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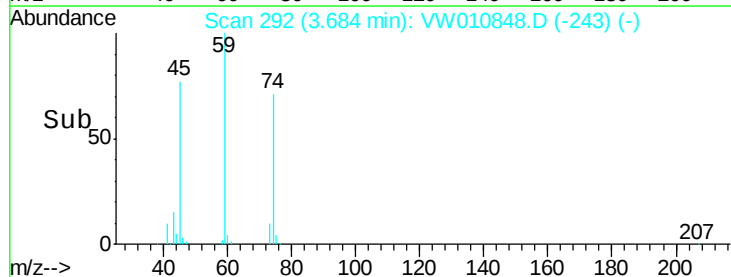
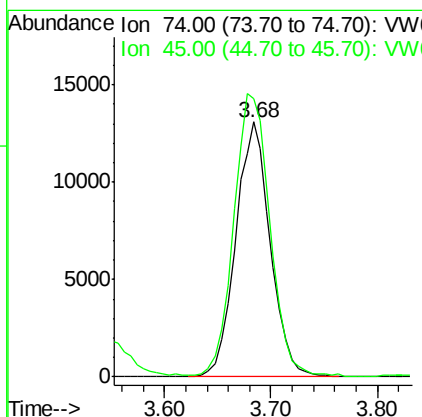
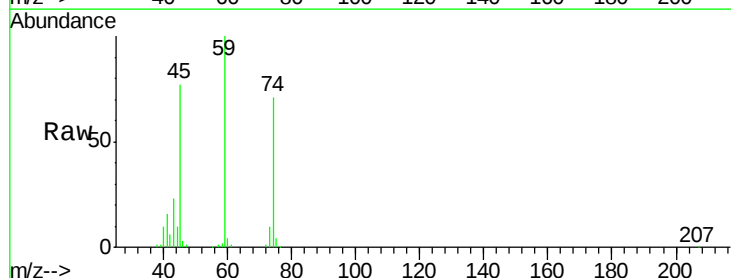
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 6/20/2019 12:00:12 PM

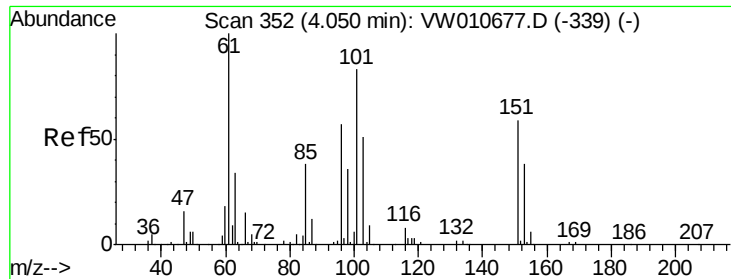


#8

Diethyl Ether
 Concen: 19.025 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VW010848.D
 Acq: 19 Jun 2019 14:12

Tgt Ion	Ratio	Lower	Upper
74	100		
45	117.9	56.9	170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.489 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW010848.D

Acq: 19 Jun 2019 14:12

Instrument :

MSVOA_W

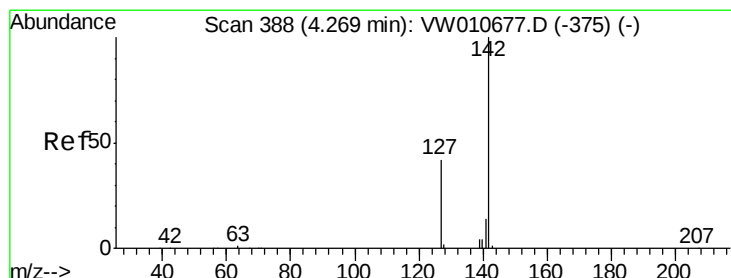
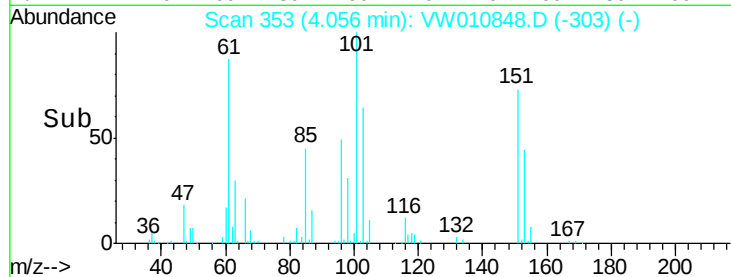
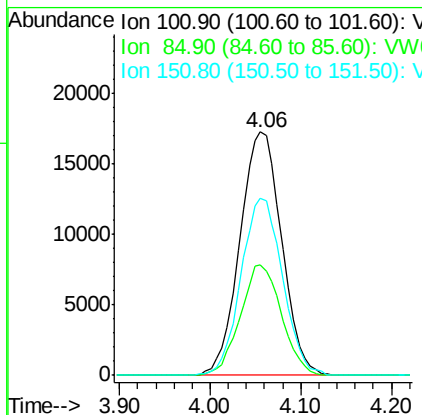
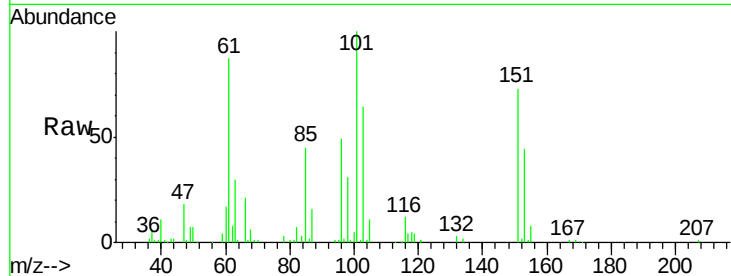
ClientSampleId :

VW0619SBS01

Tot Ion:	101	Resp:	54882
Ion Ratio	Lower	Upper	
101	100		
85	44.8	35.8	53.8
151	72.5	58.1	87.1

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#10

Methyl Iodide

Concen: 15.362 ug/l

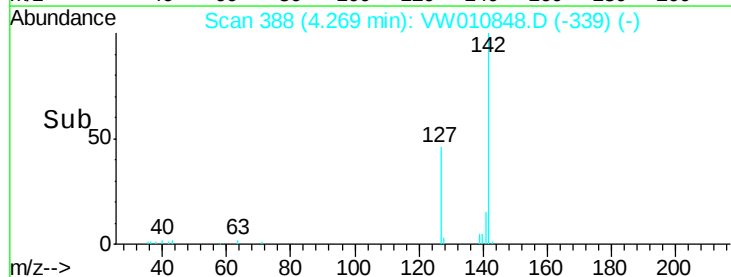
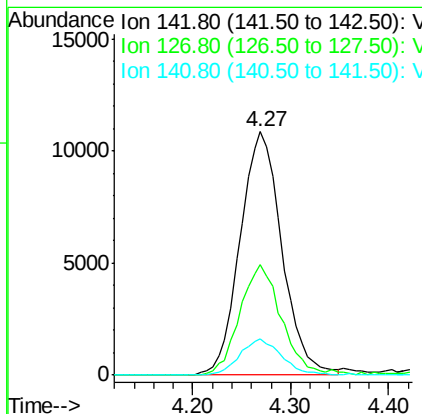
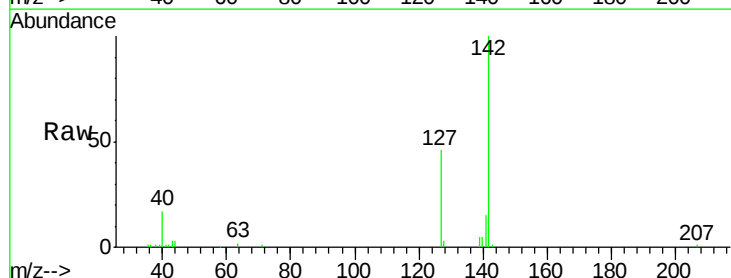
RT: 4.27 min Scan# 388

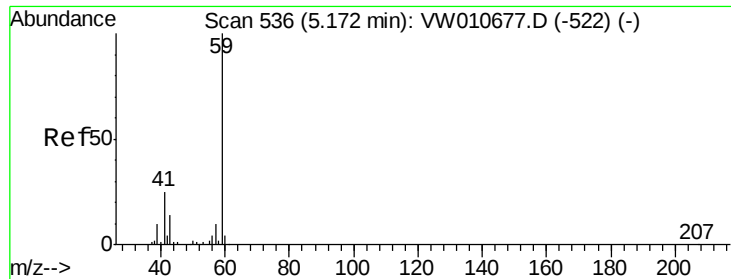
Delta R.T. 0.00 min

Lab File: VW010848.D

Acq: 19 Jun 2019 14:12

Tgt Ion:	142	Resp:	32242
Ion Ratio	Lower	Upper	
142	100		
127	44.8	34.6	51.8
141	14.8	11.6	17.4





#11

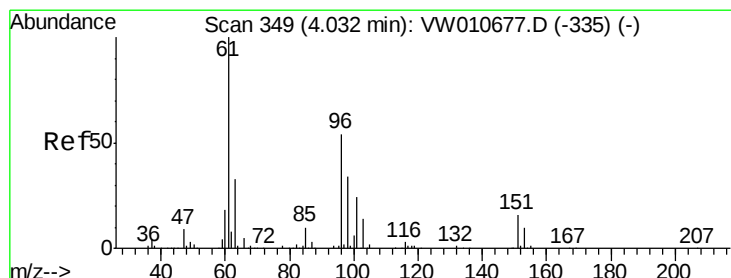
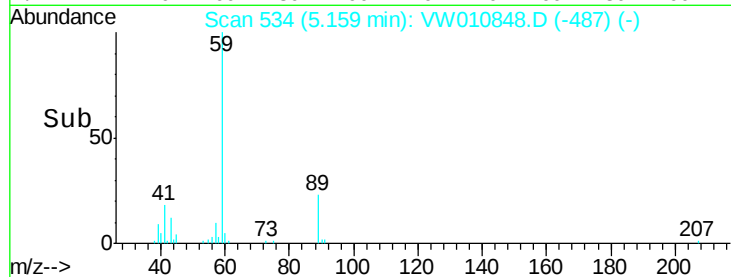
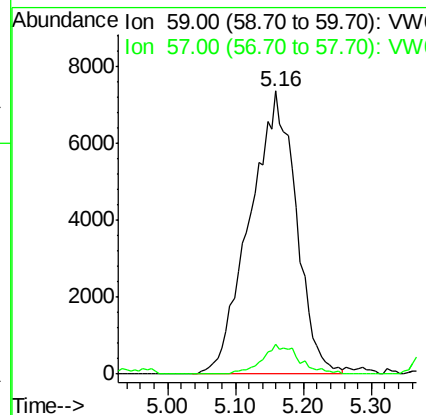
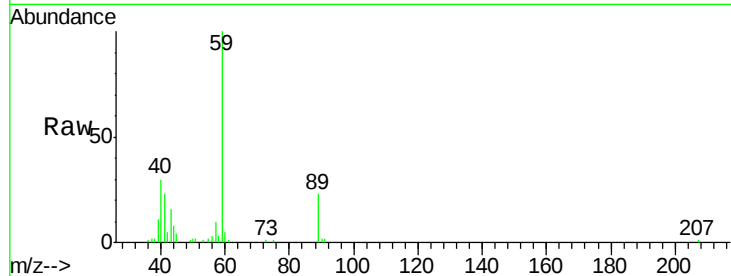
Tert butyl alcohol
Concen: 136.110 ug/l
RT: 5.16 min Scan# 534
Delta R.T. -0.01 min
Lab File: VW010848.D
Acq: 19 Jun 2019 14:12

Instrument :
MSVOA_W
ClientSampleId :
VW0619SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.4	8.6	12.8#

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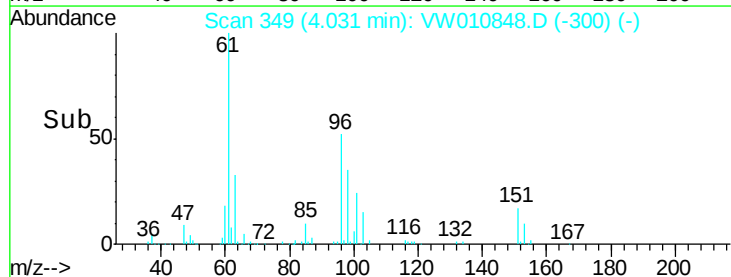
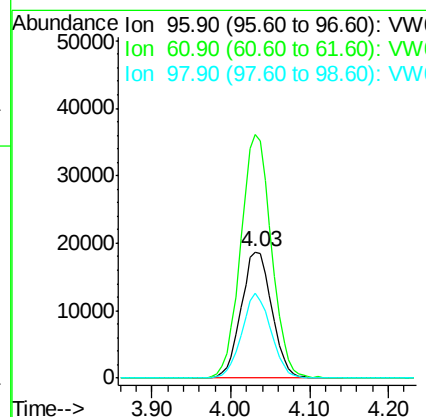
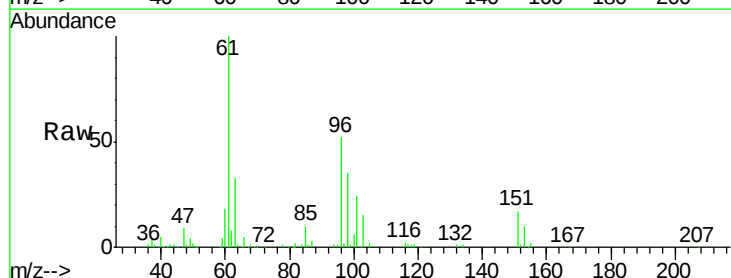
MMDadoda
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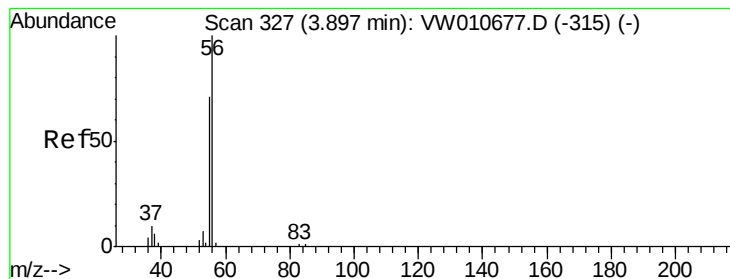


#12

1,1-Dichloroethene
Concen: 19.585 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW010848.D
Acq: 19 Jun 2019 14:12

Tgt Ion	Ratio	Lower	Upper
96	100		
61	193.1	149.1	223.7
98	67.8	51.1	76.7





#13

Acrolein

Concen: 59.202 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW010848.D

Acq: 19 Jun 2019 14:12

Instrument :

MSVOA_W

ClientSampleId :

VW0619SBS01

Tot Ion: 56 Resp: 6207

Ion Ratio Lower Upper

56 100

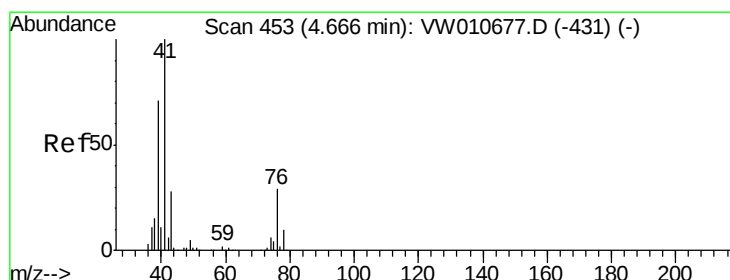
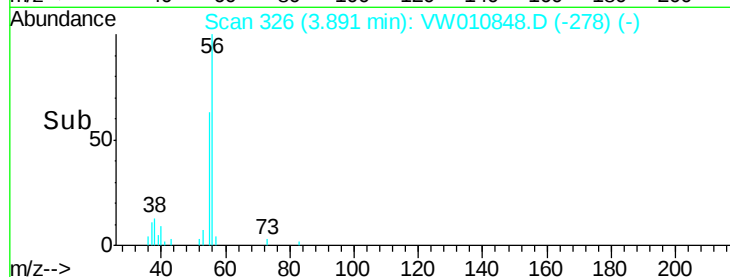
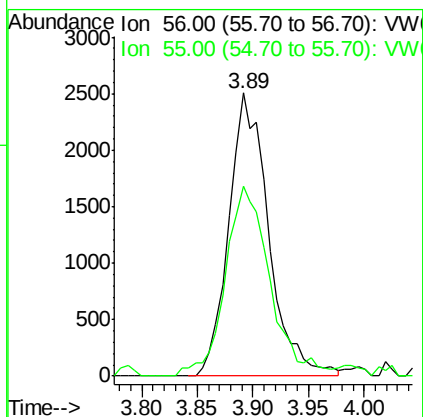
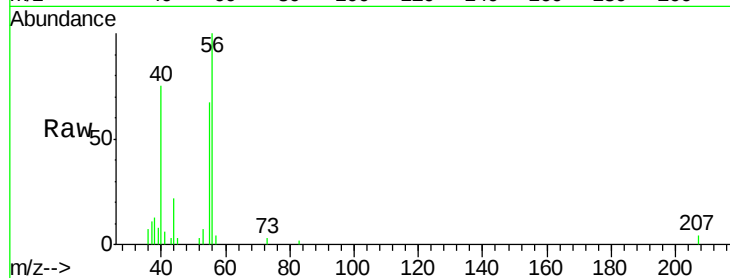
55 75.1 57.6 86.4

Manual Integrations

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#14

Allyl chloride

Concen: 20.759 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW010848.D

Acq: 19 Jun 2019 14:12

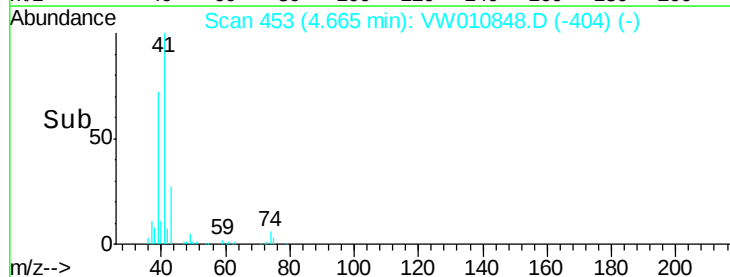
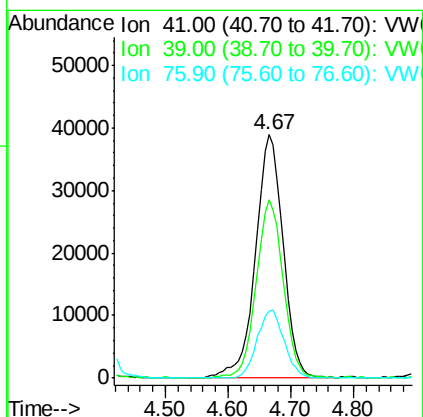
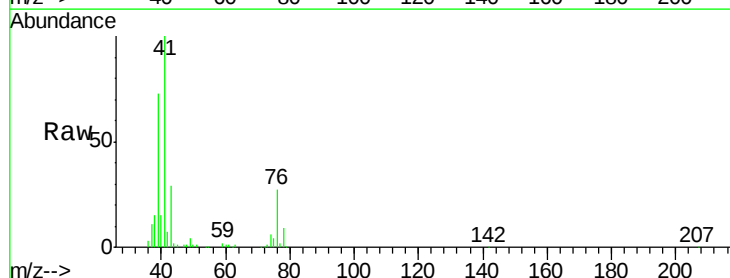
Tgt Ion: 41 Resp: 118274

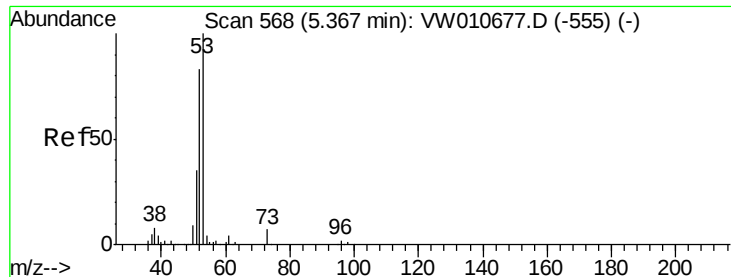
Ion Ratio Lower Upper

41 100

39 71.8 55.8 83.6

76 27.4 22.7 34.1





#15

Acrylonitrile

Concen: 95.286 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW010848.D

Acq: 19 Jun 2019 14:12

Instrument :

MSVOA_W

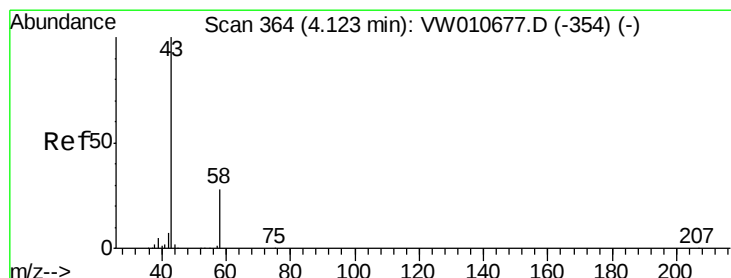
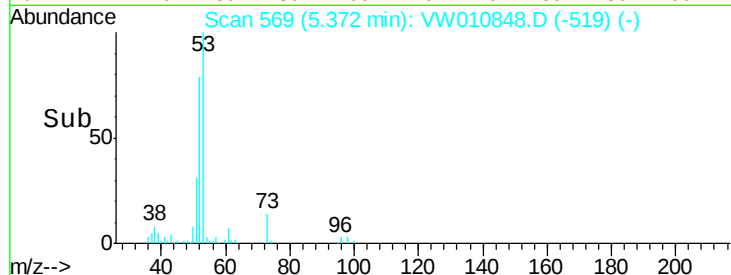
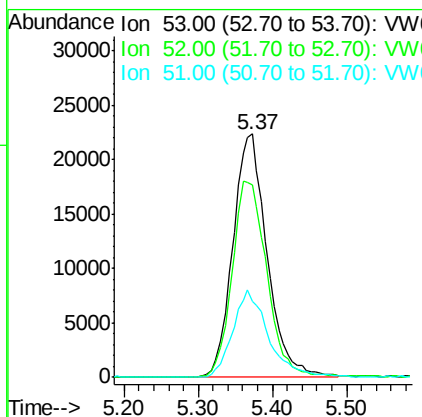
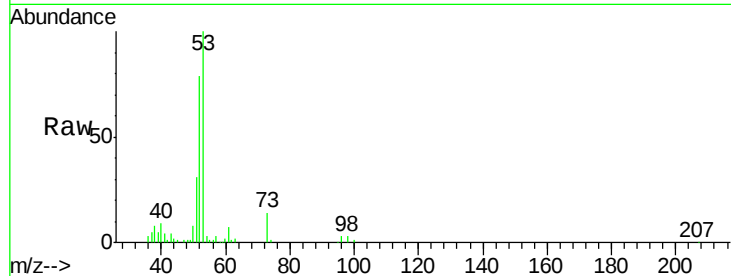
ClientSampleId :

VW0619SBS01

Tot Ion:	53	Resp:	72077
Ion	Ratio	Lower	Upper
53	100		
52	81.2	66.6	100.0
51	37.5	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 109.265 ug/l

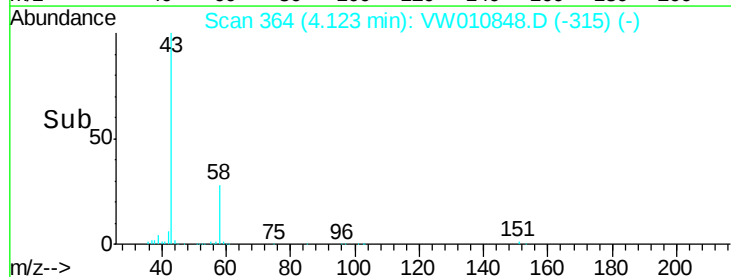
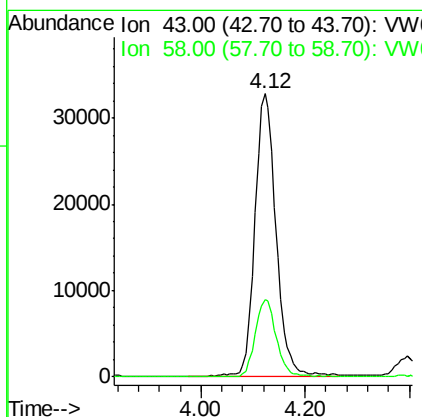
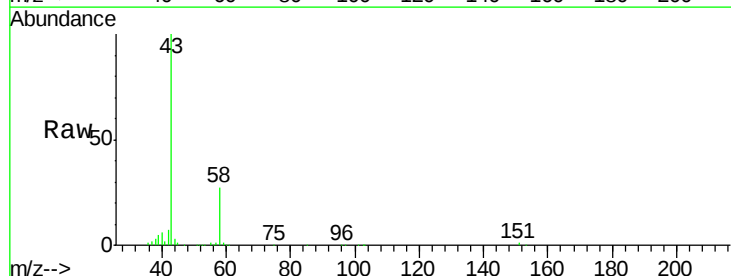
RT: 4.12 min Scan# 364

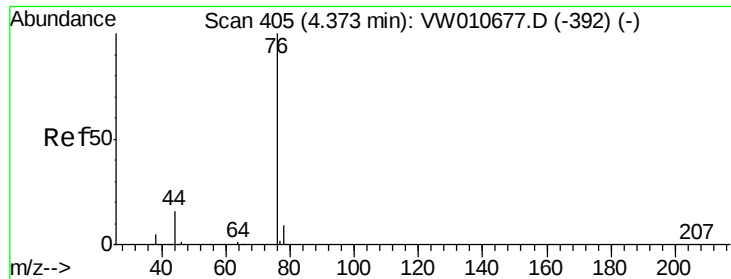
Delta R.T. -0.00 min

Lab File: VW010848.D

Acq: 19 Jun 2019 14:12

Tgt Ion:	43	Resp:	92205
Ion	Ratio	Lower	Upper
43	100		
58	27.2	22.1	33.1





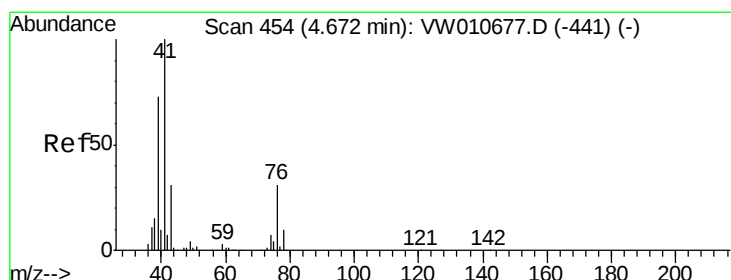
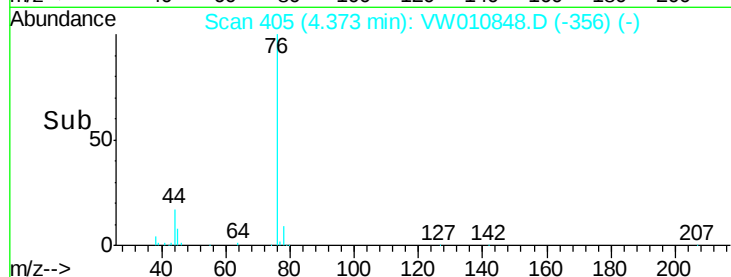
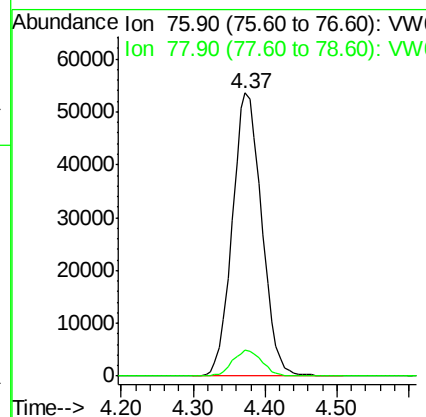
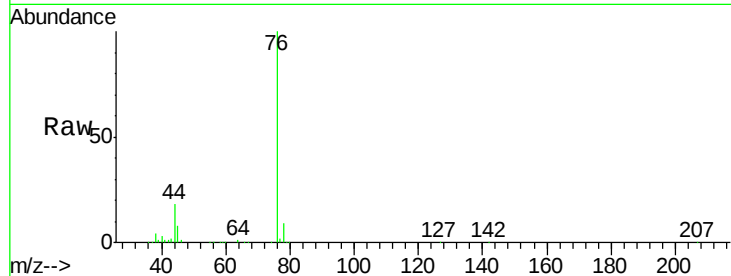
#17
Carbon Disulfide
Concen: 18.518 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW010848.D
Acq: 19 Jun 2019 14:12

Instrument :
MSVOA_W
ClientSampleId :
VW0619SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.5	11.3

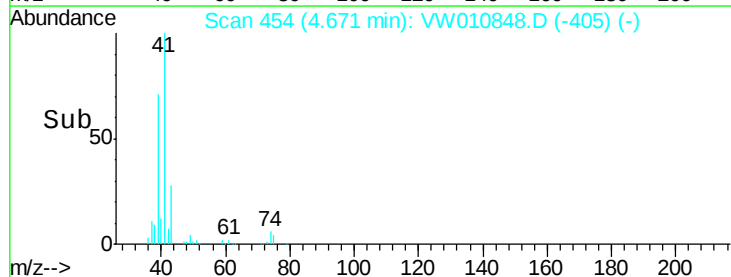
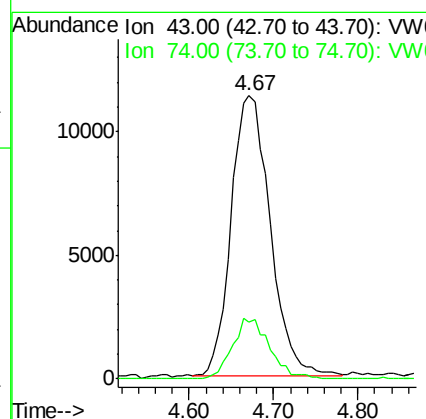
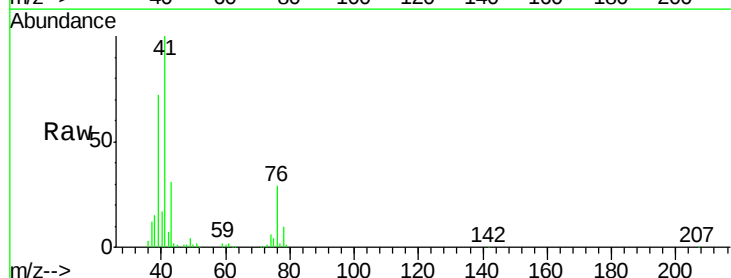
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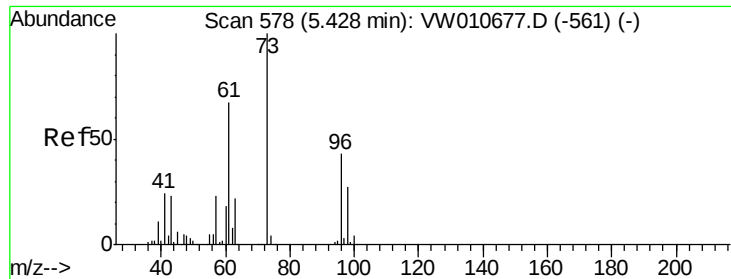
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#18
Methyl Acetate
Concen: 19.723 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW010848.D
Acq: 19 Jun 2019 14:12

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.4	16.7	25.1





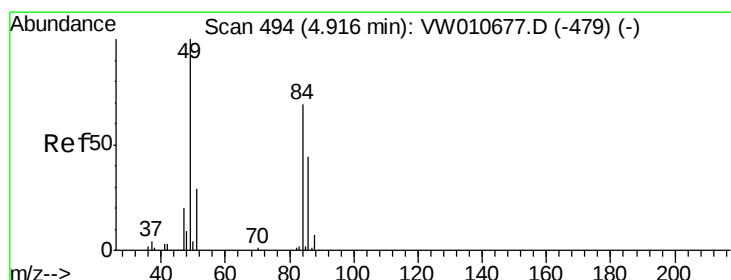
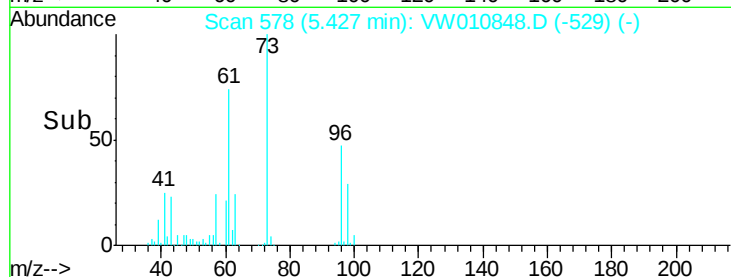
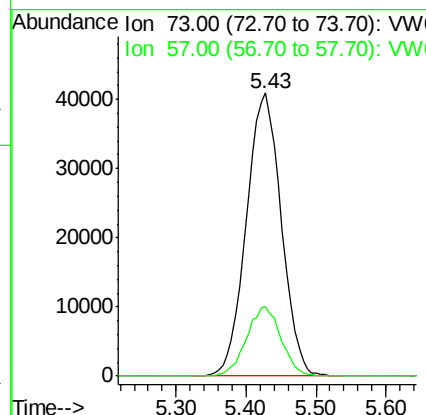
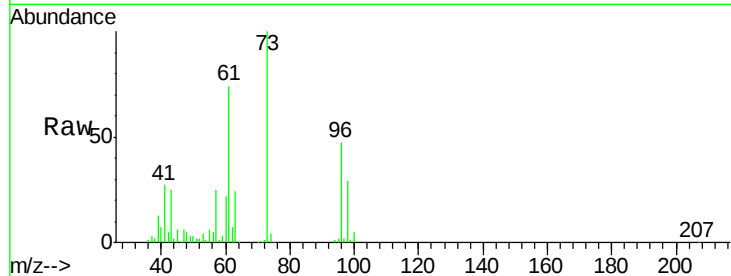
#19
Methvl tert-butvl Ether
Concen: 19.068 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW010848.D
Acq: 19 Jun 2019 14:12

Instrument :
MSVOA_W
ClientSampleId :
VW0619SBS01

Tot Ion: 73 Resp: 142109
Ion Ratio Lower Upper
73 100
57 24.6 18.6 27.8

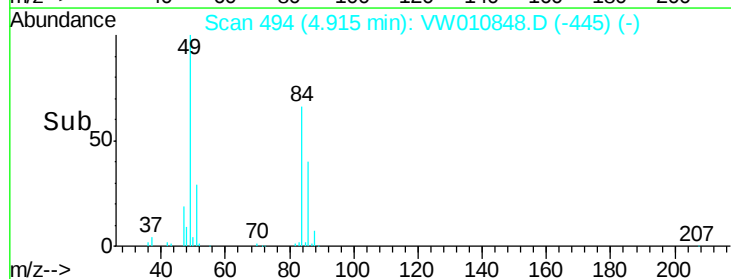
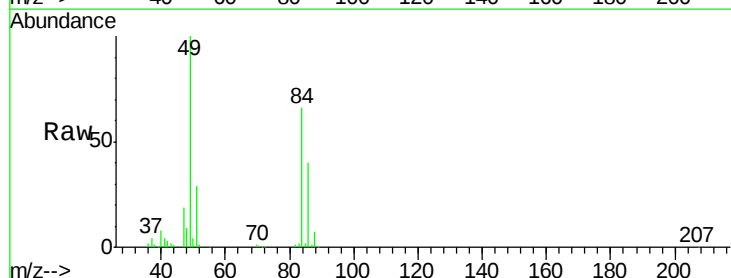
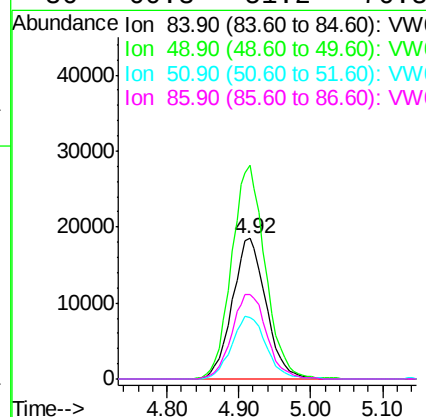
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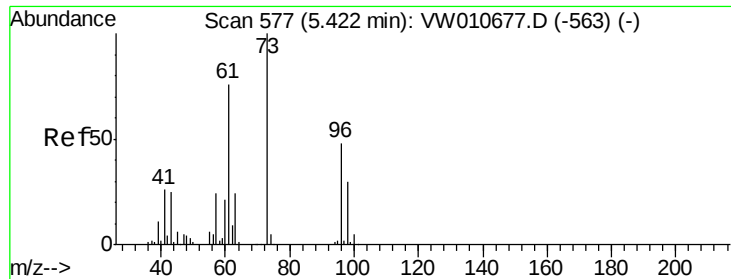
MMDadoda
6/20/2019 12:00:12 PM



#20
Methylene Chloride
Concen: 20.261 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW010848.D
Acq: 19 Jun 2019 14:12

Tgt Ion: 84 Resp: 59979
Ion Ratio Lower Upper
84 100
49 151.8 116.7 175.1
51 43.8 34.2 51.2
86 60.3 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 19.916 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW010848.D

Acq: 19 Jun 2019 14:12

Instrument :

MSVOA_W

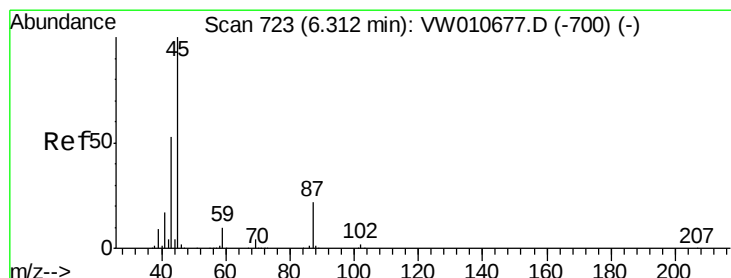
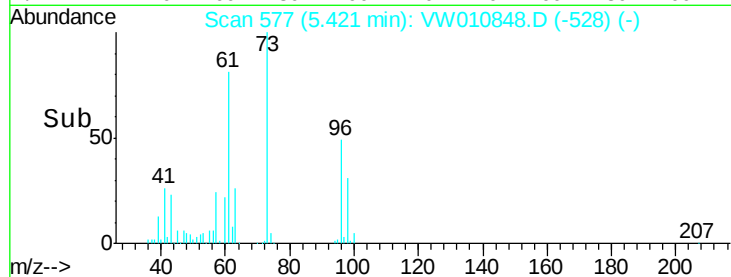
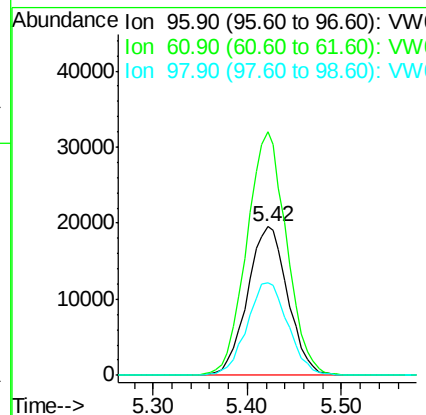
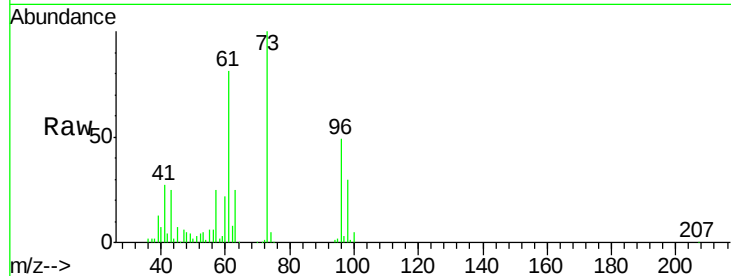
ClientSampleId :

VW0619SBS01

Tot Ion:	96	Resp:	58420
Ion	Ratio	Lower	Upper
96	100		
61	163.7	126.0	189.0
98	61.8	49.6	74.4

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#22

Diisopropyl ether

Concen: 20.718 ug/l

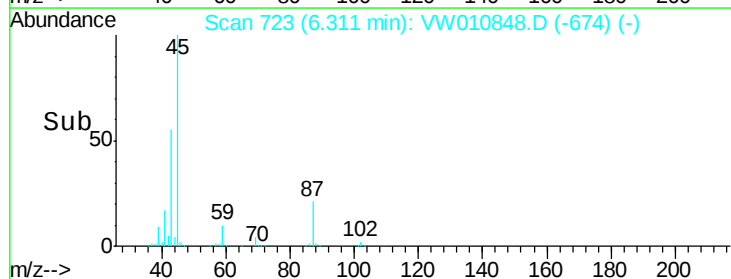
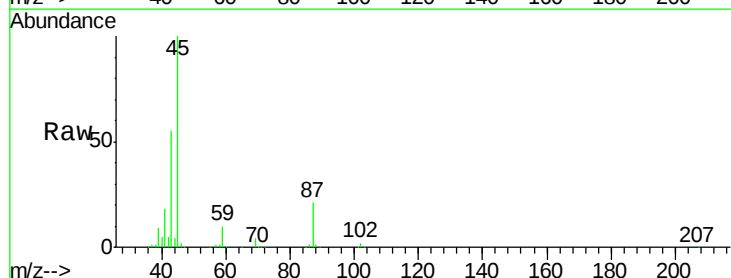
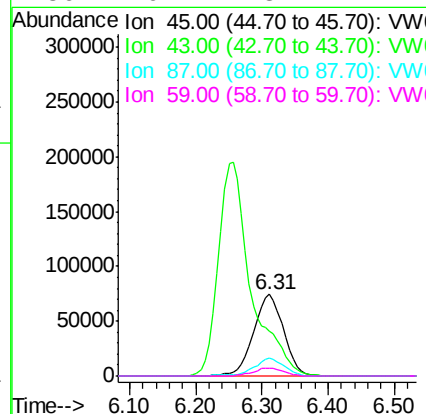
RT: 6.31 min Scan# 723

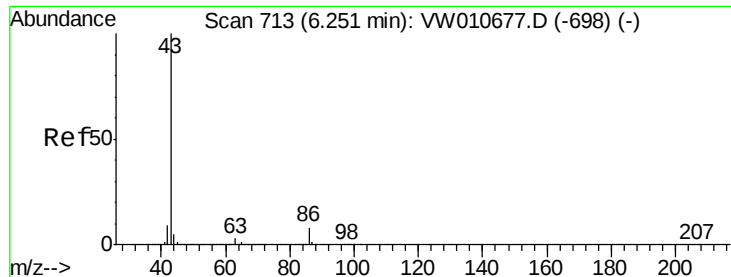
Delta R.T. -0.00 min

Lab File: VW010848.D

Acq: 19 Jun 2019 14:12

Tgt Ion:	45	Resp:	236325
Ion	Ratio	Lower	Upper
45	100		
43	54.4	42.5	63.7
87	21.3	17.4	26.2
59	10.1	8.1	12.1





#23

Vinyl Acetate

Concen: 96.608 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW010848.D

Acq: 19 Jun 2019 14:12

Instrument :

MSVOA_W

ClientSampleId :

VW0619SBS01

Tot Ion: 43 Resp: 665031

Ion Ratio Lower Upper

43 100

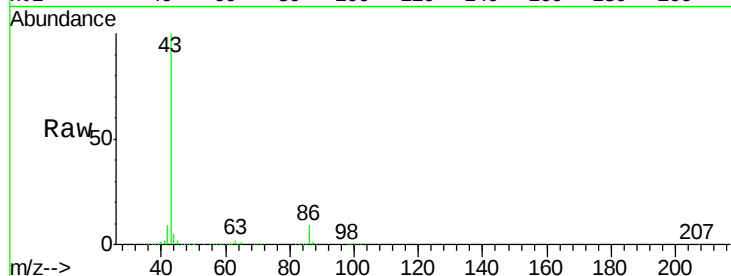
86 8.7 6.6 10.0

Manual Integrations

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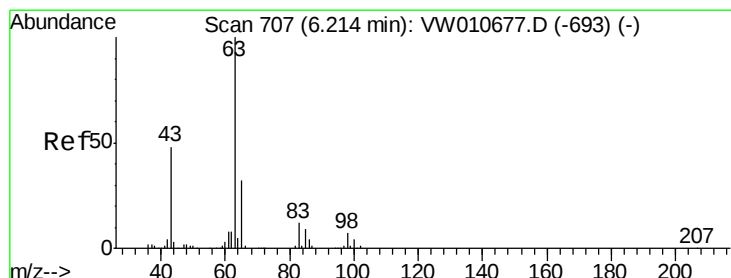
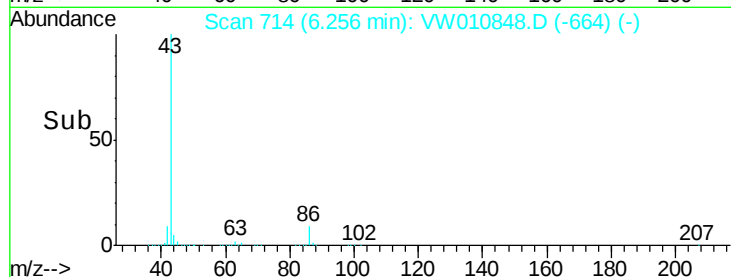
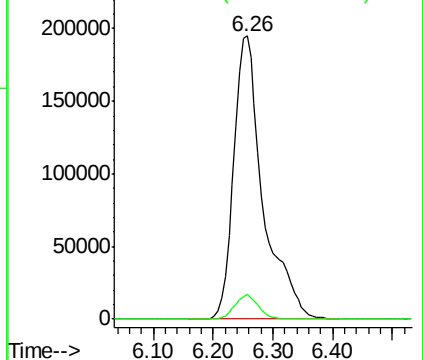
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 20.759 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010848.D

Acq: 19 Jun 2019 14:12

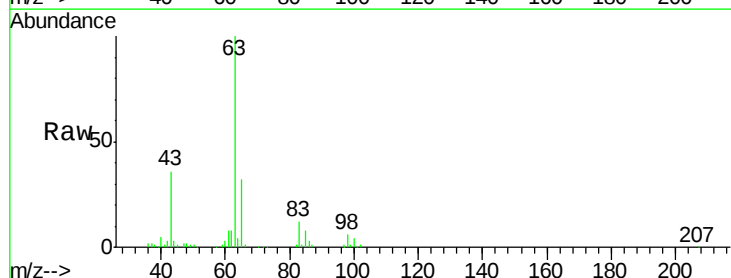
Tgt Ion: 63 Resp: 118662

Ion Ratio Lower Upper

63 100

98 5.8 3.4 10.2

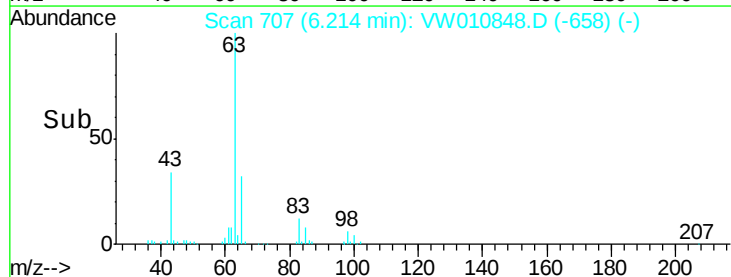
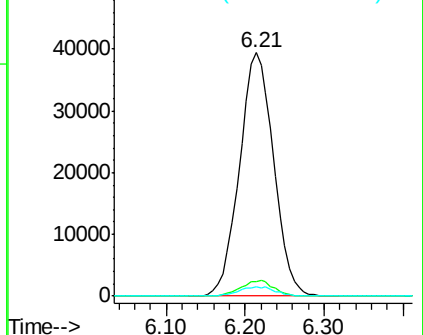
100 4.0 2.1 6.3

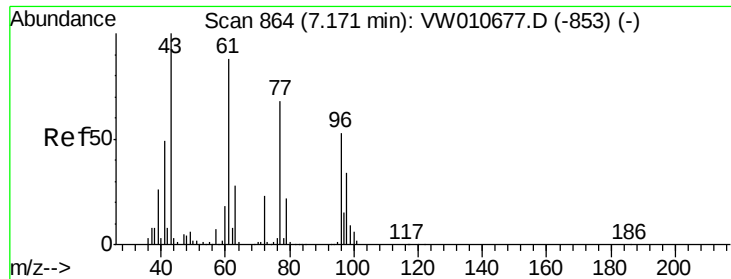


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 96.330 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010848.D

Acq: 19 Jun 2019 14:12

Instrument :

MSVOA_W

ClientSampleId :

VW0619SBS01

Tot Ion: 43 Resp: 112719

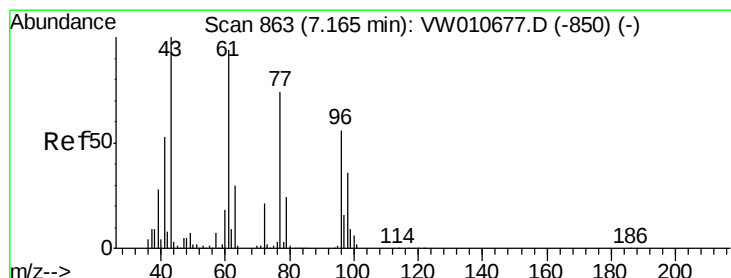
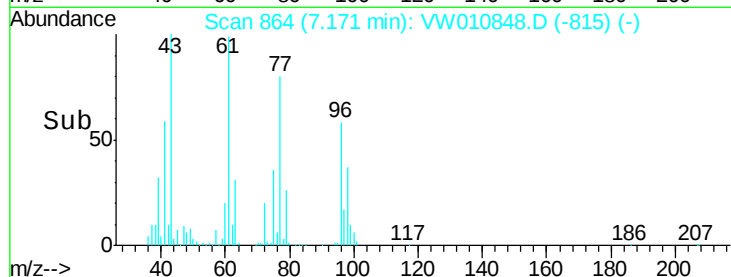
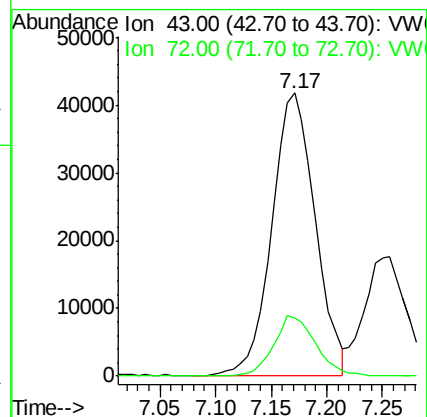
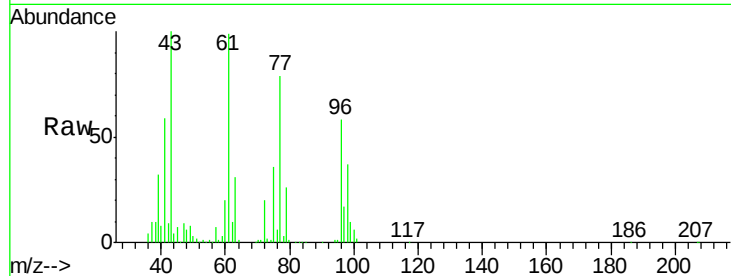
Ion Ratio Lower Upper

43 100

72 20.4 18.1 27.1

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 22.314 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW010848.D

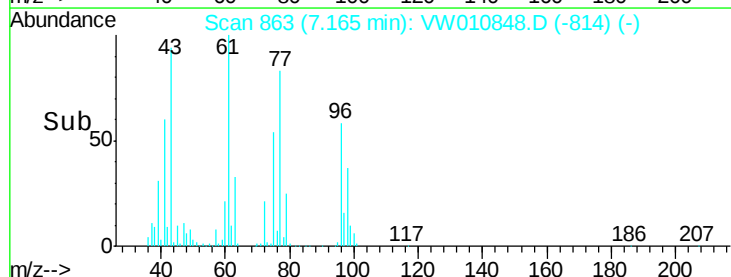
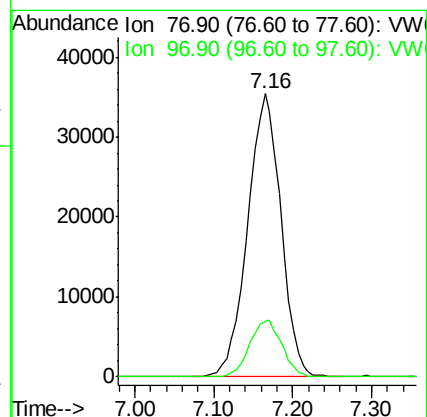
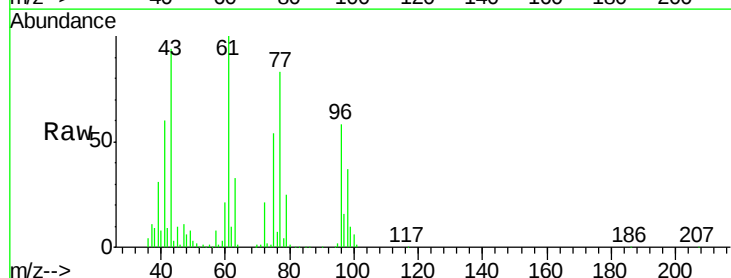
Acq: 19 Jun 2019 14:12

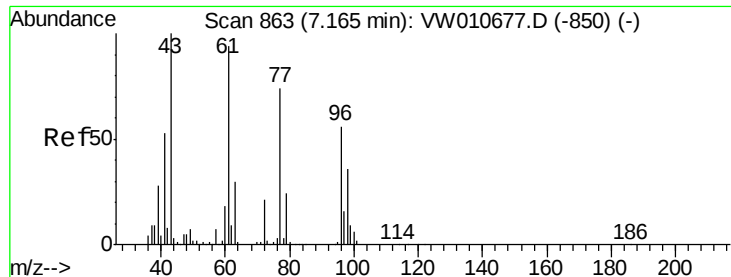
Tgt Ion: 77 Resp: 103796

Ion Ratio Lower Upper

77 100

97 19.4 10.5 31.6





#27

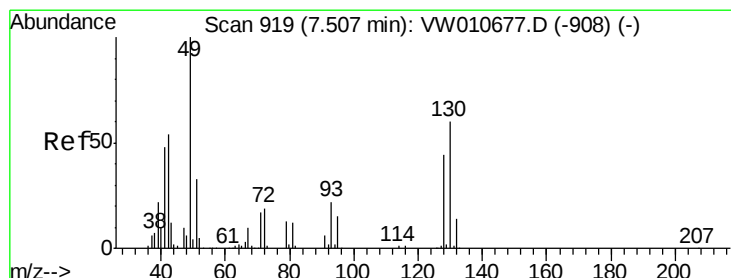
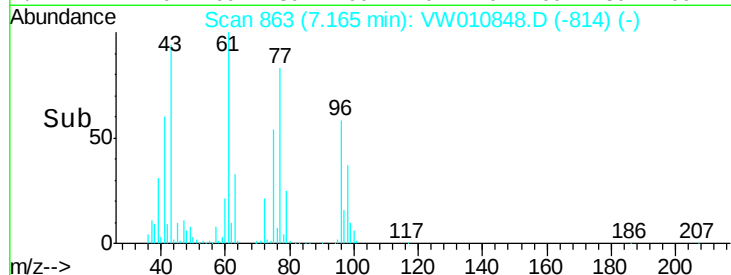
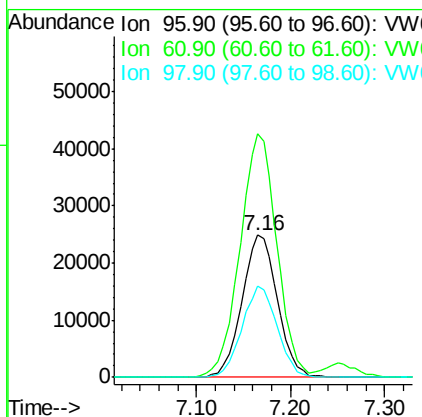
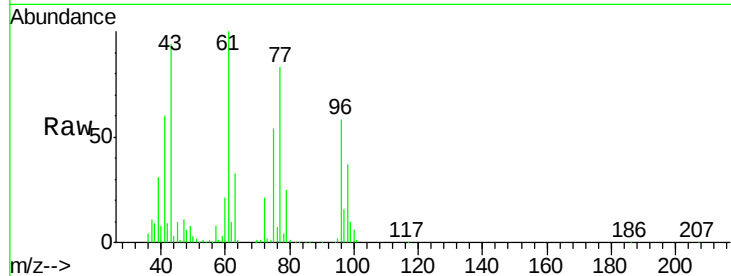
cis-1,2-Dichloroethene
Concen: 20.277 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW010848.D
Acq: 19 Jun 2019 14:12

Instrument :
MSVOA_W
ClientSampleId :
VW0619SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	178.3	0.0	336.4
98	63.9	0.0	128.0

Manual Integrations
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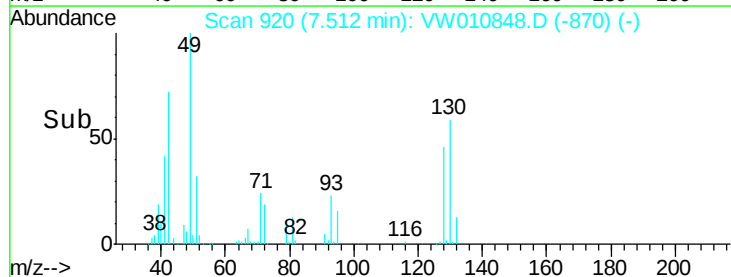
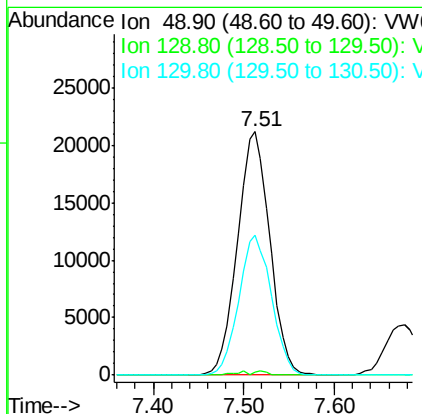
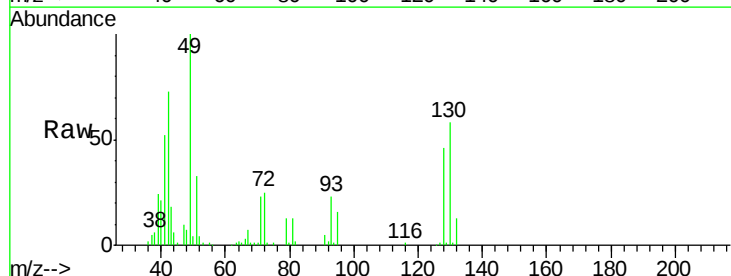
MMDadoda
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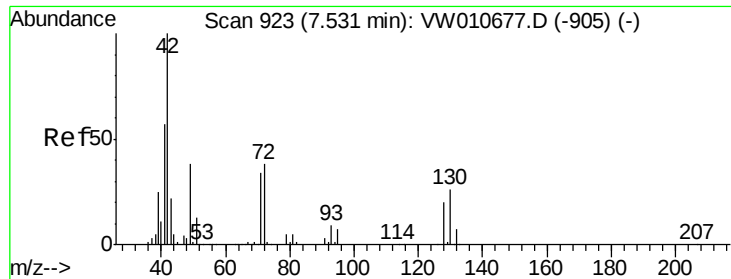


#28

Bromochloromethane
Concen: 20.552 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW010848.D
Acq: 19 Jun 2019 14:12

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	3.2
130	57.9	48.3	72.5





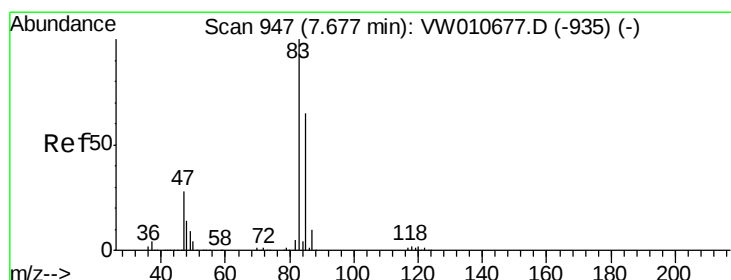
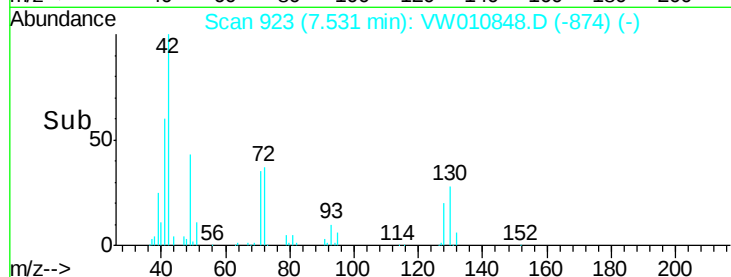
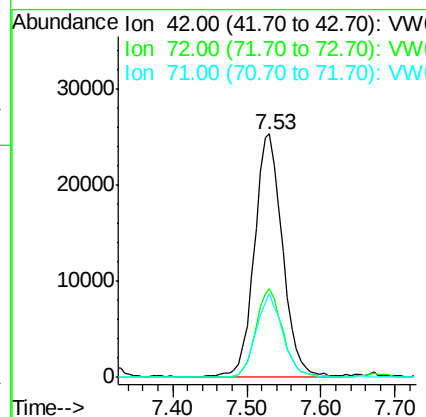
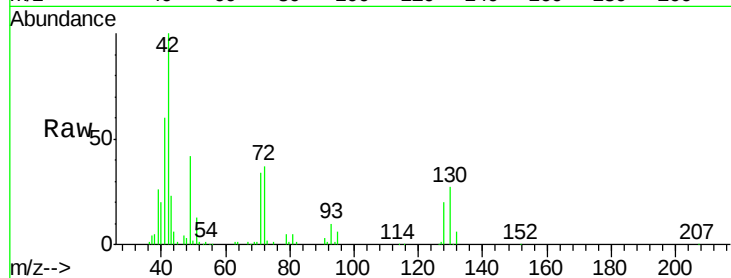
#29
Tetrahydrofuran
Concen: 91.689 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010848.D
Acq: 19 Jun 2019 14:12

Instrument :
MSVOA_W
ClientSampleId :
VW0619SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.9	28.7	43.1
71	32.4	26.6	39.8

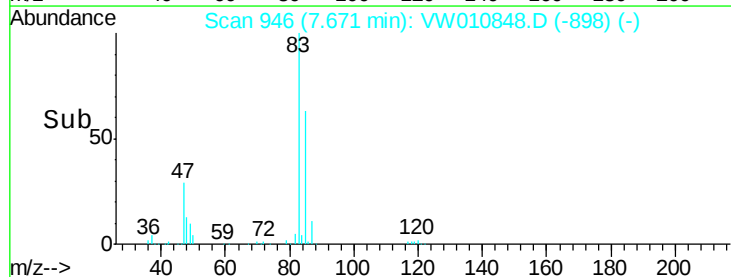
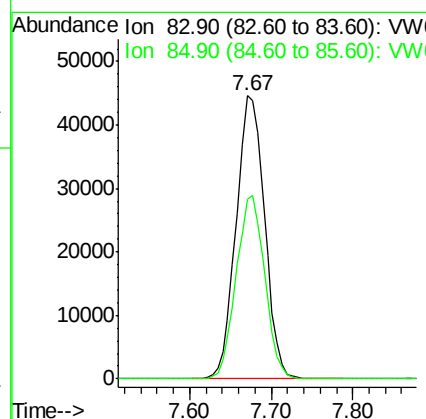
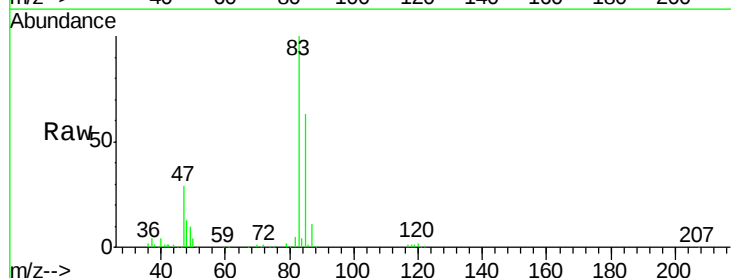
Manual Integrations
APPROVED

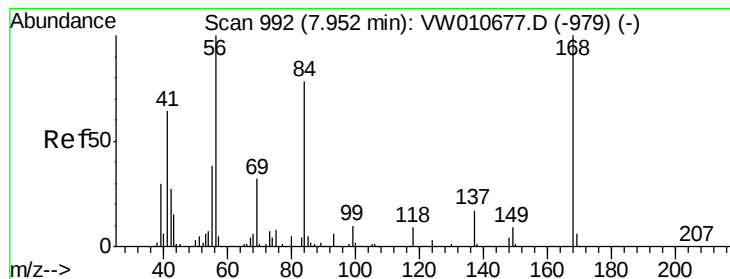
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#30
Chloroform
Concen: 20.530 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW010848.D
Acq: 19 Jun 2019 14:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.8	77.8





#31

Cyclohexane

Concen: 19.673 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010848.D

Acq: 19 Jun 2019 14:12

Instrument :

MSVOA_W

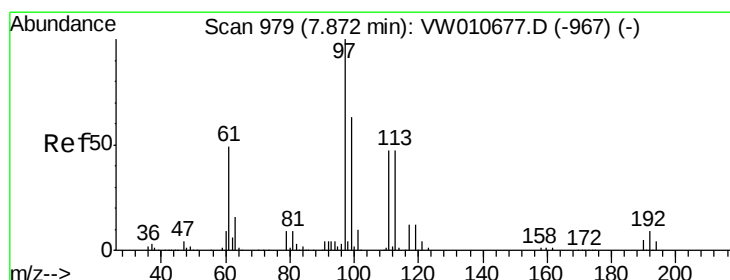
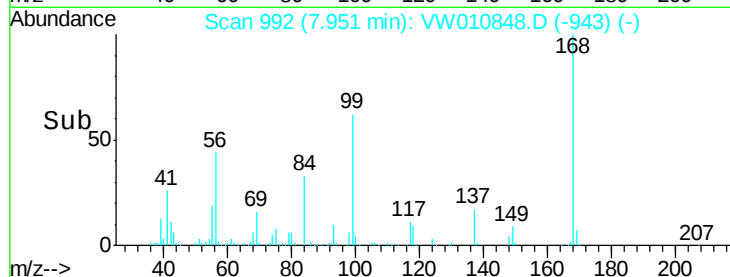
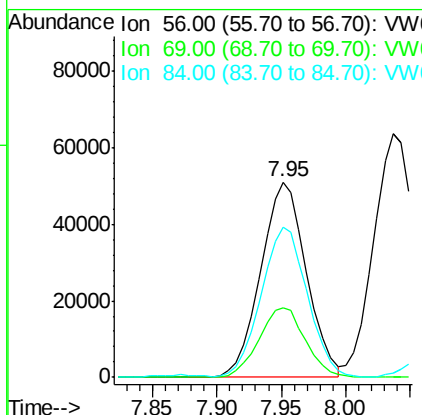
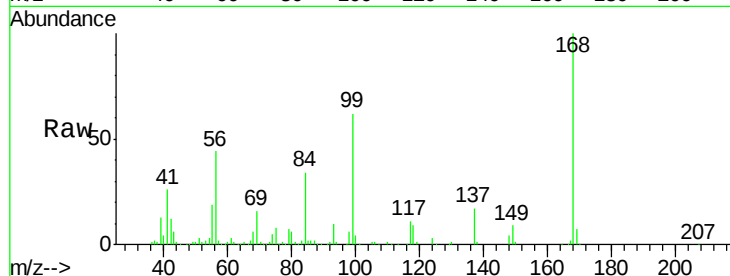
ClientSampleId :

VW0619SBS01

Tot Ion:	56	Resp:	125010
Ion Ratio	Lower	Upper	
56	100		
69	35.7	25.2	37.8
84	75.9	62.2	93.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.527 ug/l

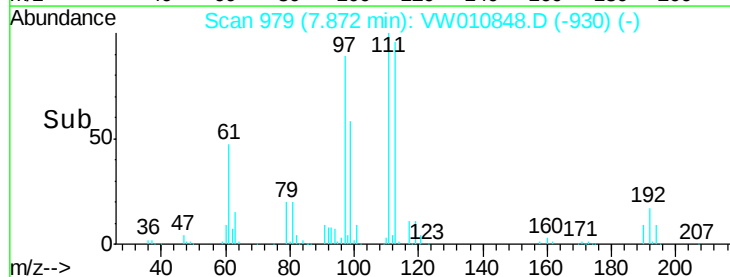
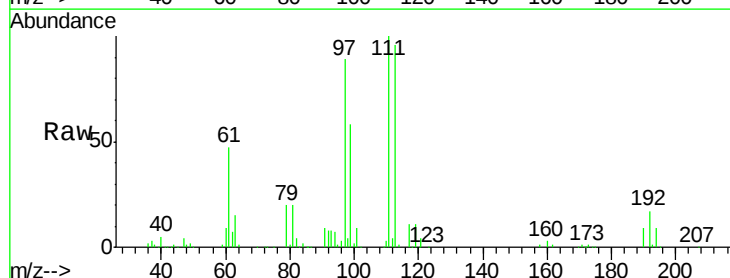
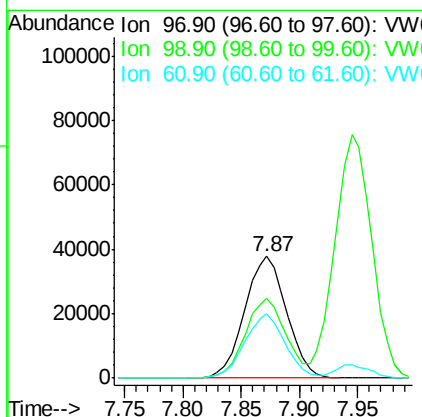
RT: 7.87 min Scan# 979

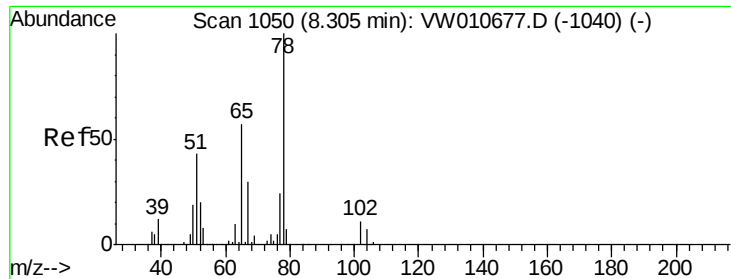
Delta R.T. -0.00 min

Lab File: VW010848.D

Acq: 19 Jun 2019 14:12

Tgt Ion:	97	Resp:	93754
Ion Ratio	Lower	Upper	
97	100		
99	65.1	51.3	76.9
61	51.5	40.4	60.6





#33

1,2-Dichloroethane-d4

Concen: 50.641 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010848.D

Acq: 19 Jun 2019 14:12

Instrument :

MSVOA_W

ClientSampleId :

VW0619SBS01

Tot Ion: 65 Resp: 159486

Ion Ratio Lower Upper

65 100

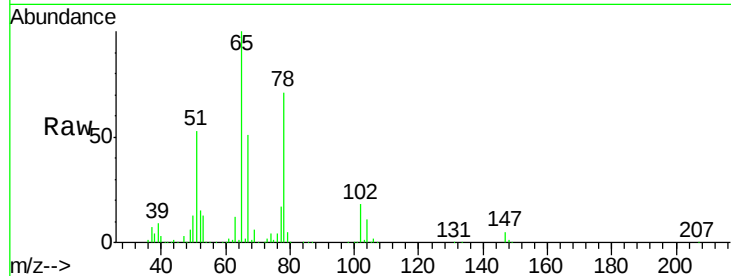
67 51.4 0.0 102.6

Manual Integrations

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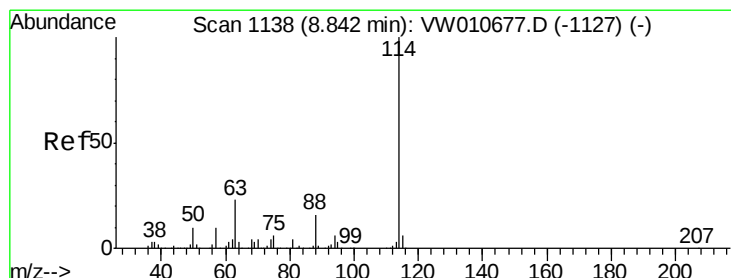
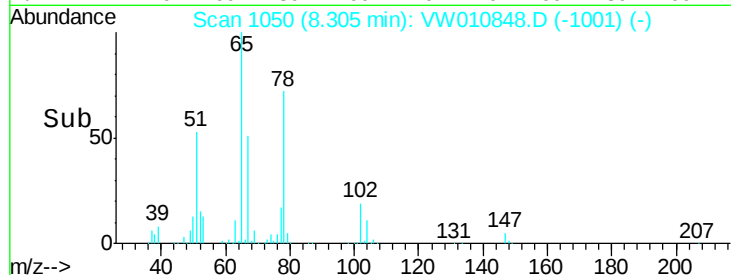
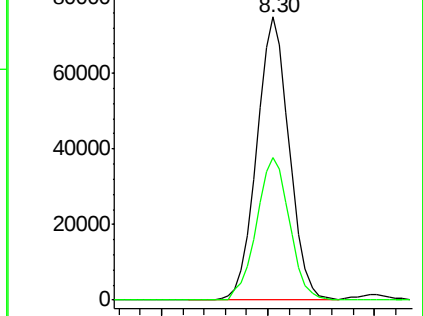
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Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW010848.D

Acq: 19 Jun 2019 14:12

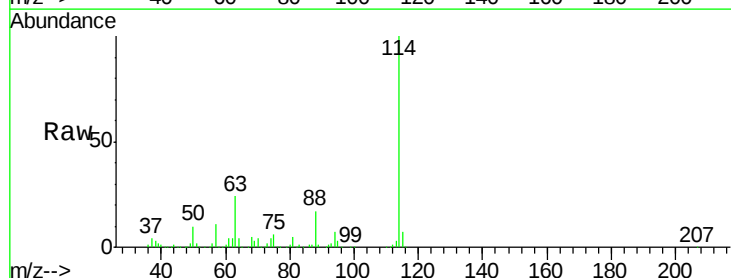
Tgt Ion: 114 Resp: 441308

Ion Ratio Lower Upper

114 100

63 24.4 0.0 46.4

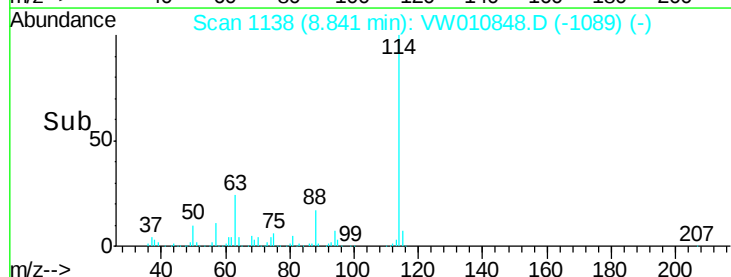
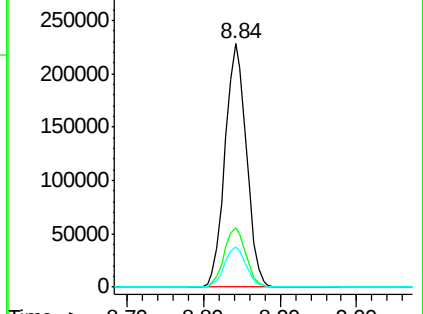
88 16.7 0.0 32.2

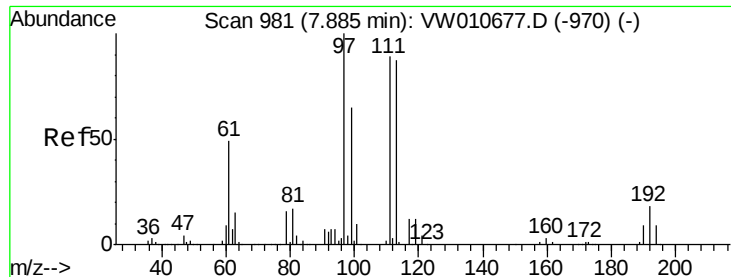


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





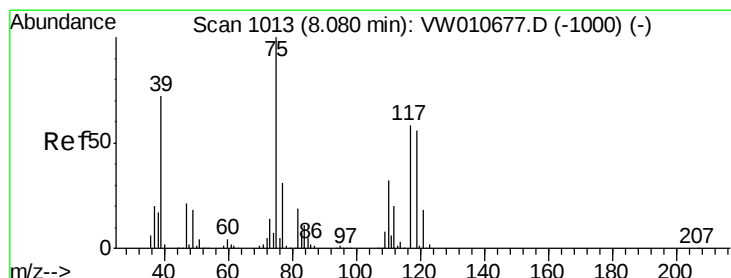
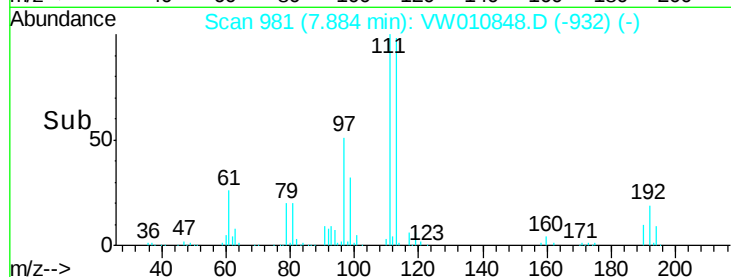
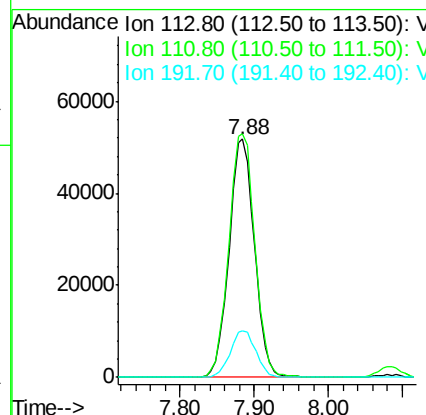
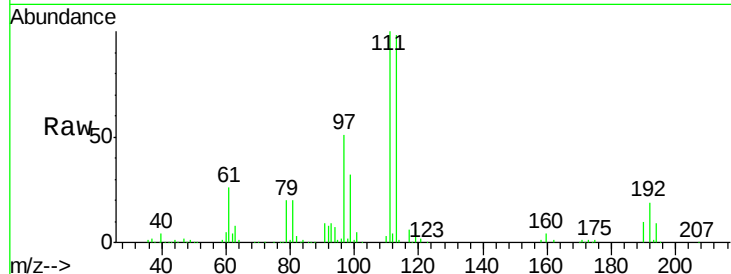
#35
 Dibromofluoromethane
 Concen: 51.409 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010848.D
 Acq: 19 Jun 2019 14:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0619SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	123141		
111	105.0	82.6	123.8	
192	19.8	16.4	24.6	

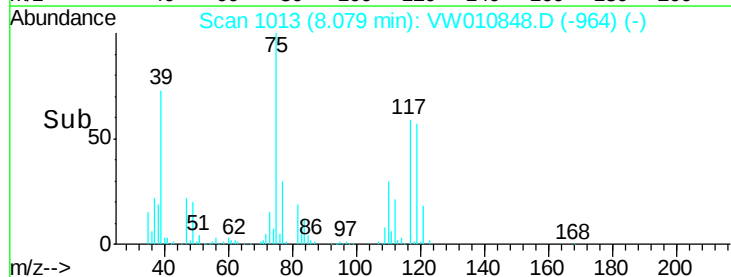
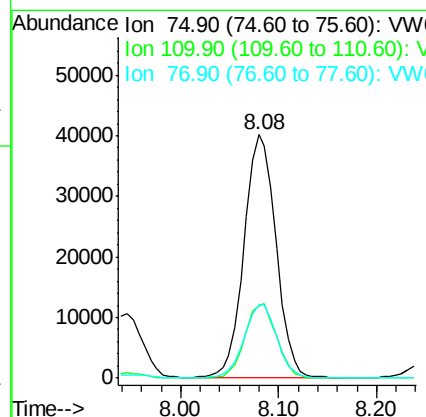
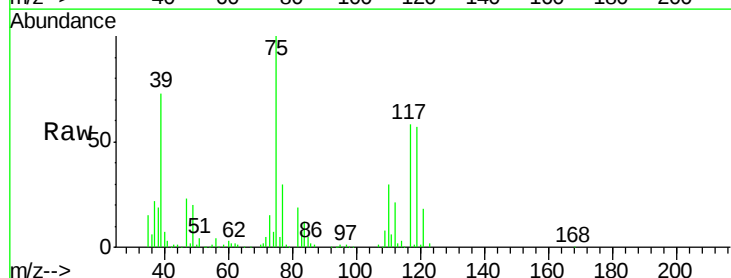
Manual Integrations
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#36
 1,1-Dichloropropene
 Concen: 20.035 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW010848.D
 Acq: 19 Jun 2019 14:12

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	90503		
110	30.7	15.8	47.3	
77	31.3	24.7	37.1	





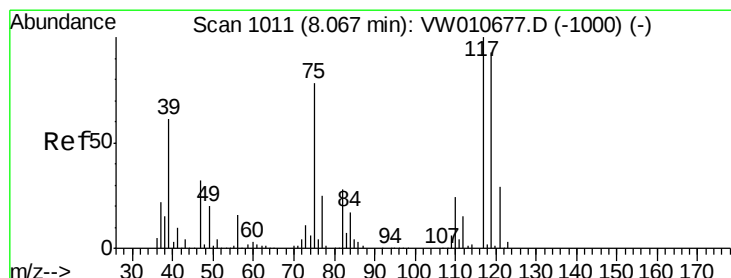
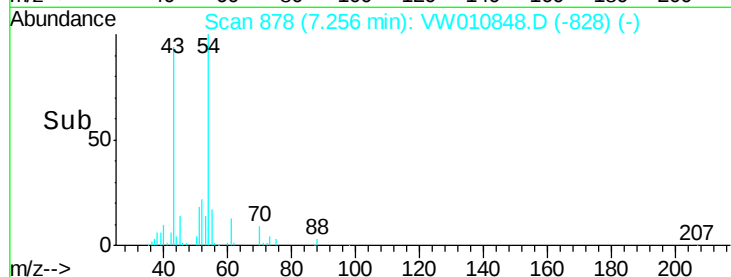
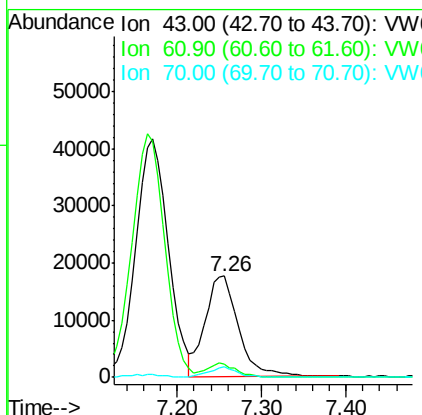
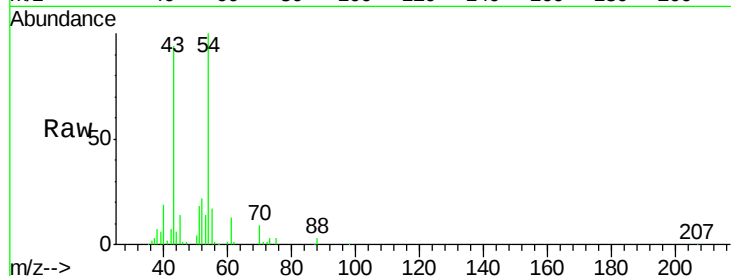
#37
Ethyl Acetate
Concen: 19.256 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW010848.D
Acq: 19 Jun 2019 14:12

Instrument :
MSVOA_W
ClientSampled :
VW0619SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.1	9.7	14.5
70	8.9	7.2	10.8

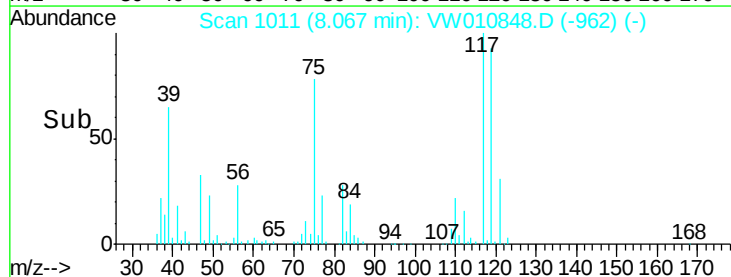
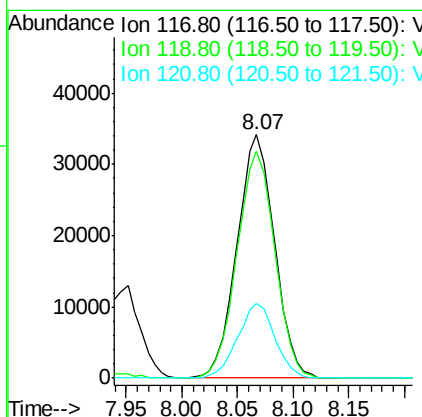
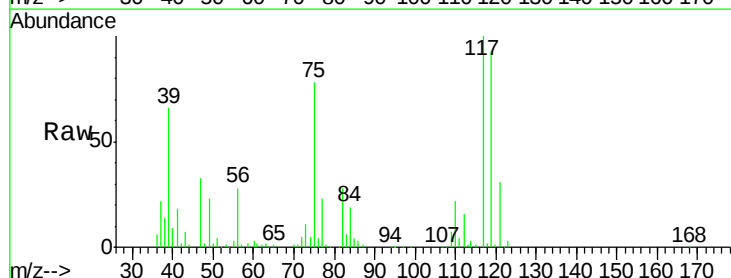
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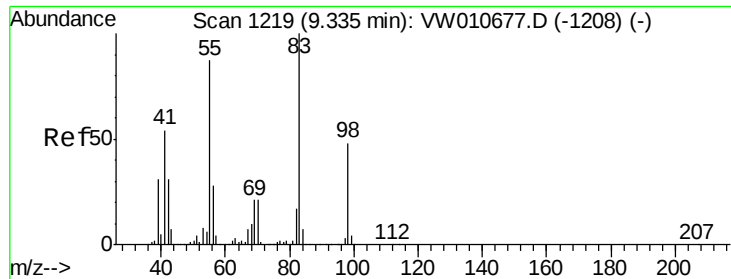
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#38
Carbon Tetrachloride
Concen: 20.513 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW010848.D
Acq: 19 Jun 2019 14:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.4	74.2	111.4
121	30.9	22.9	34.3





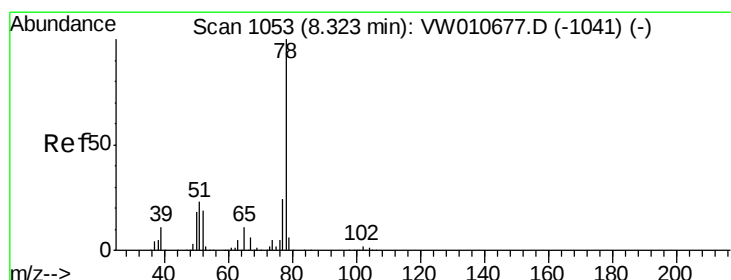
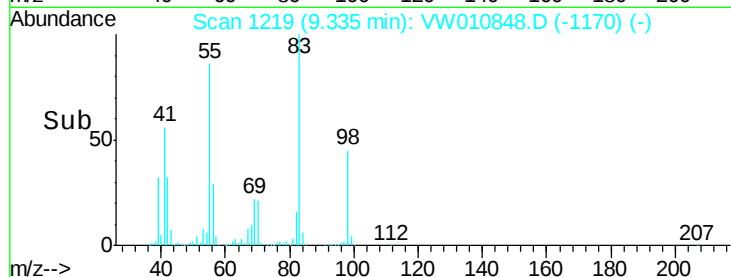
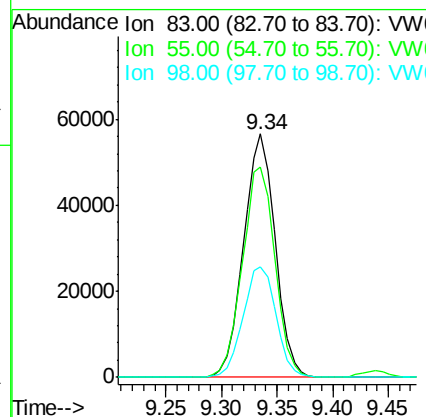
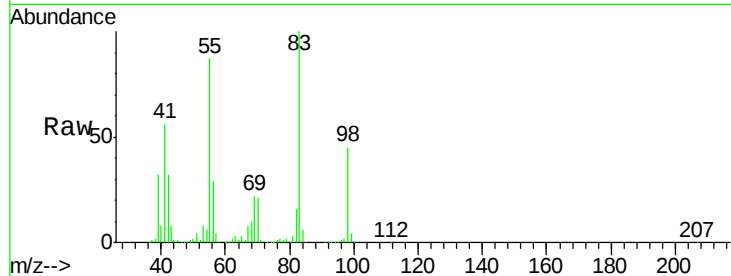
#39
Methvlcvclohexane
Concen: 19.381 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010848.D
Acq: 19 Jun 2019 14:12

Instrument :
MSVOA_W
ClientSampleId :
VW0619SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	111296		
55	86.6	70.0	105.0	
98	45.5	38.1	57.1	

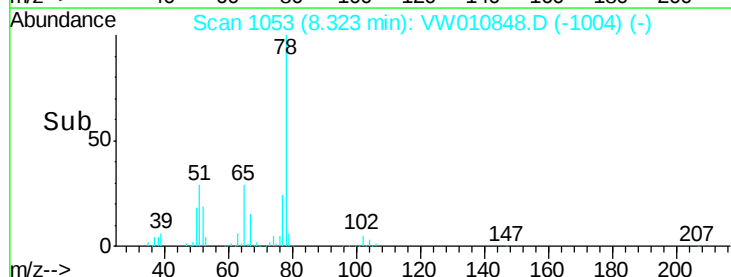
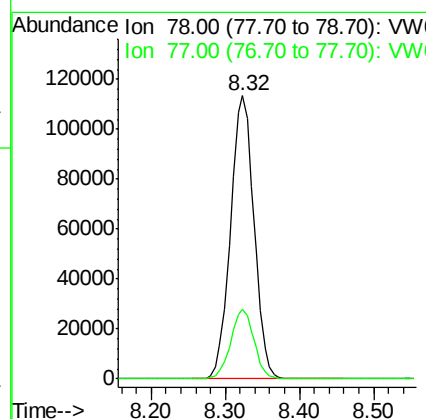
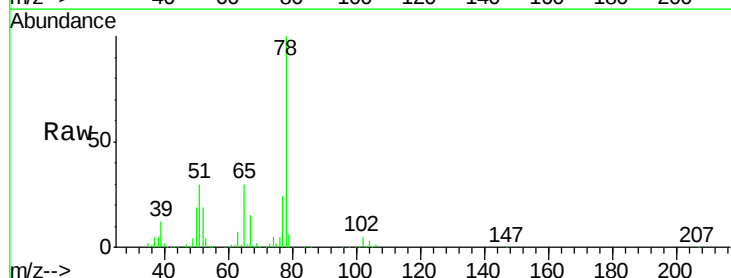
Manual Integrations
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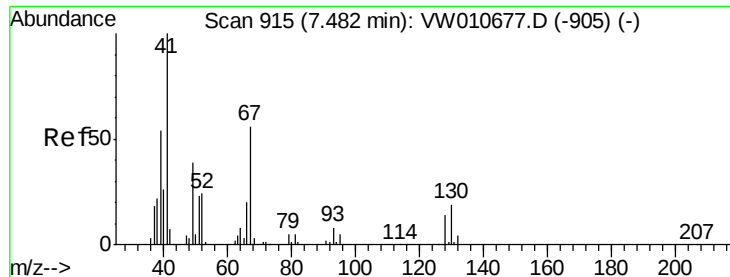
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#40
Benzene
Concen: 20.327 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010848.D
Acq: 19 Jun 2019 14:12

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	250491		
77	24.5	19.1	28.7	





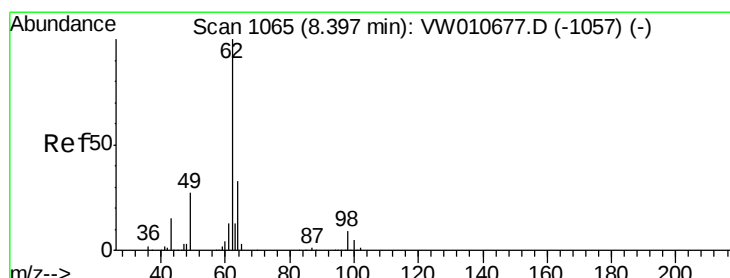
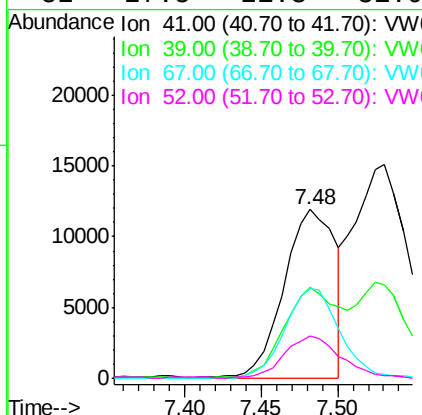
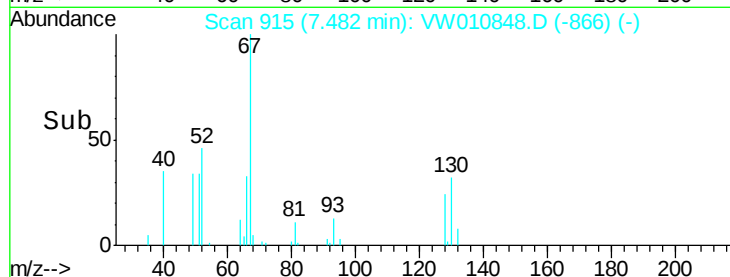
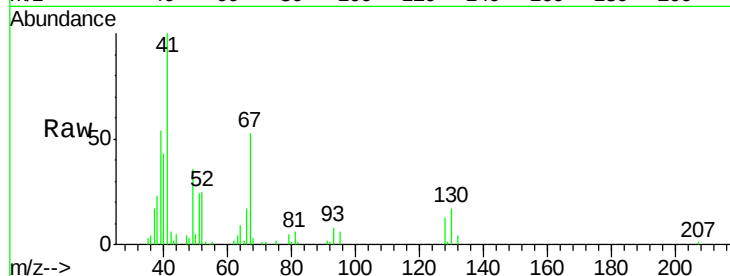
#41
Methacrylonitrile
Concen: 18.681 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW010848.D
Acq: 19 Jun 2019 14:12

Instrument :
MSVOA_W
ClientSampleId :
VW0619SBS01

Tot Ion	41	Resp	27796
Ion	Ratio	Lower	Upper
41	100		
39	59.5	47.3	70.9
67	56.9	47.2	70.8
52	27.5	21.3	31.9

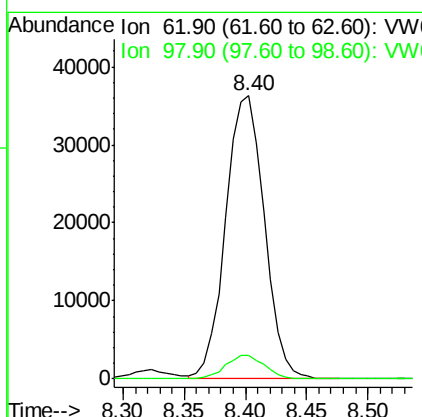
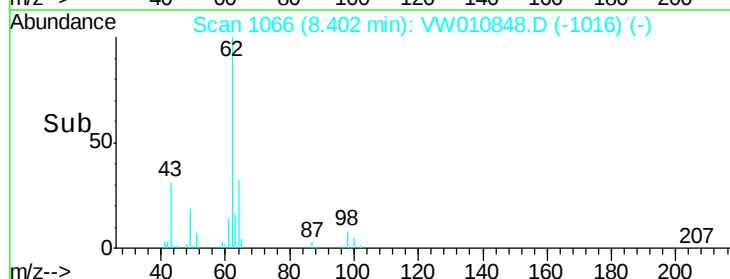
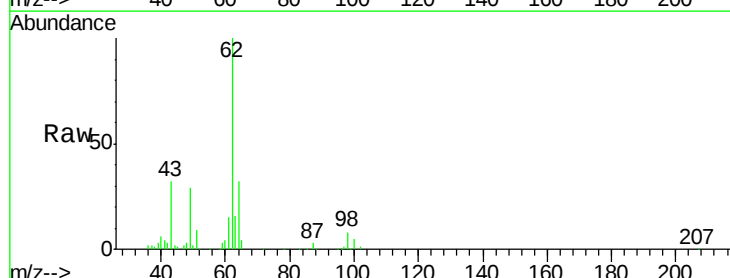
Manual Integrations
APPROVED

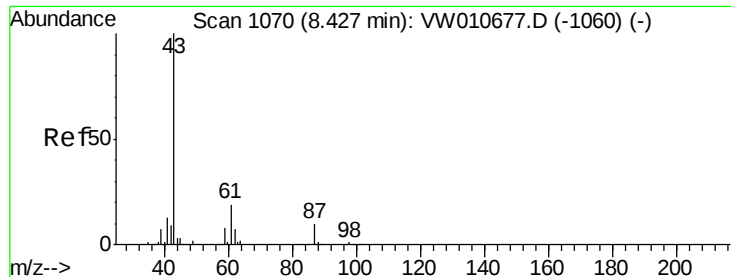
MMDadoda
6/20/2019 12:00:12 PM



#42
1,2-Dichloroethane
Concen: 20.292 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW010848.D
Acq: 19 Jun 2019 14:12

Tgt Ion	62	Resp	79368
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.2





#43

Isopropyl Acetate

Concen: 18.501 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW010848.D

Acq: 19 Jun 2019 14:12

Instrument :

MSVOA_W

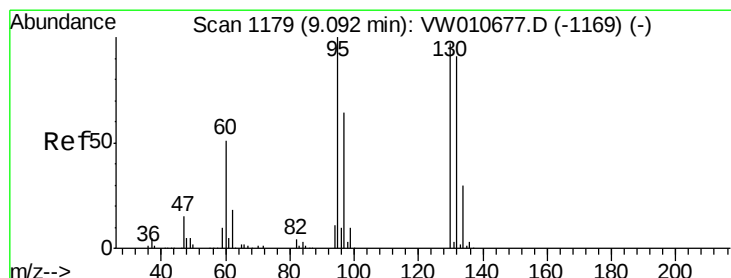
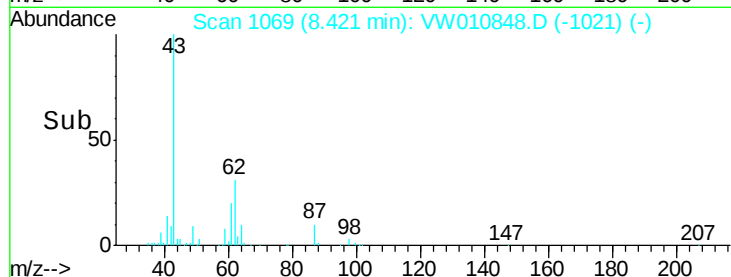
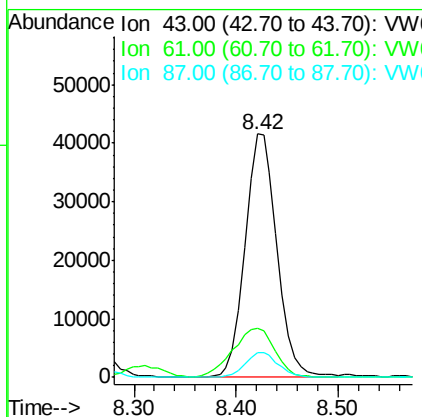
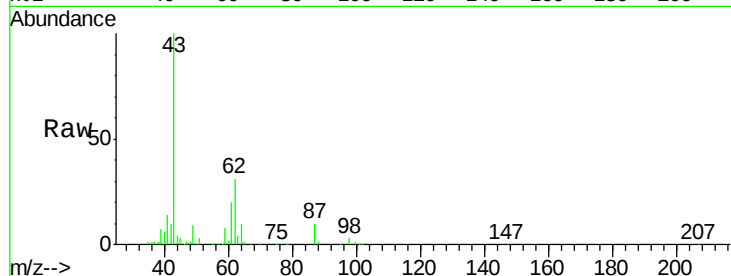
ClientSampleId :

VW0619SBS01

Tot Ion:	43	Resp:	89472
Ion	Ratio	Lower	Upper
43	100		
61	27.3	21.2	31.8
87	10.5	8.3	12.5

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#44

Trichloroethene

Concen: 19.659 ug/l

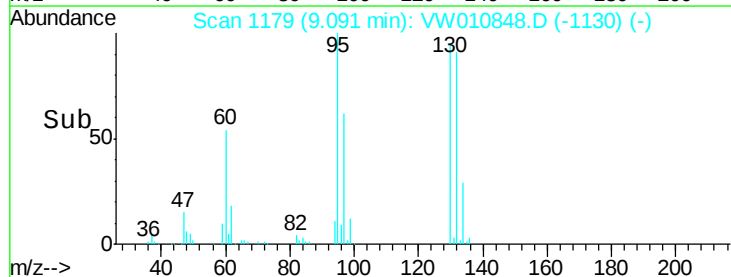
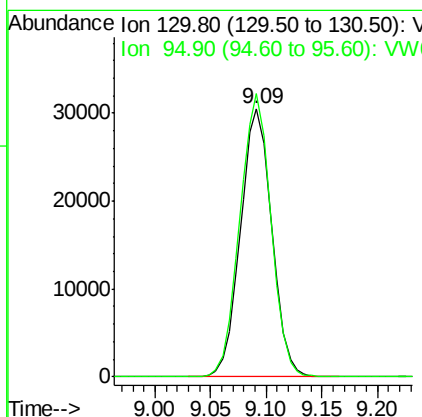
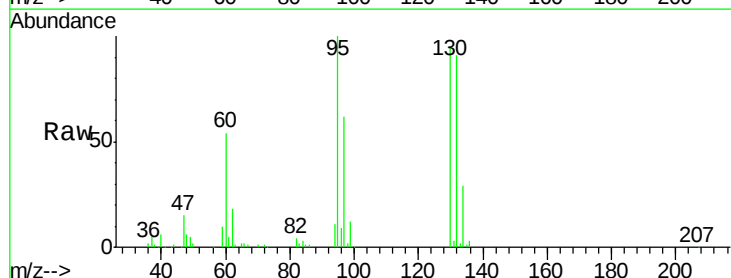
RT: 9.09 min Scan# 1179

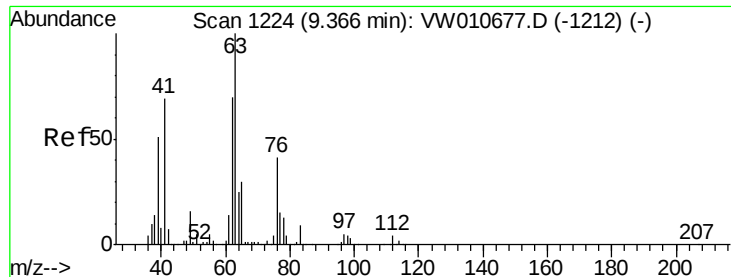
Delta R.T. -0.00 min

Lab File: VW010848.D

Acq: 19 Jun 2019 14:12

Tgt Ion:	130	Resp:	59760
Ion	Ratio	Lower	Upper
130	100		
95	105.4	0.0	207.0





#45

1,2-Dichloropropane

Concen: 20.397 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW010848.D

Acq: 19 Jun 2019 14:12

Instrument :

MSVOA_W

ClientSampleId :

VW0619SBS01

Tot Ion: 63 Resp: 66540

Ion Ratio Lower Upper

63 100

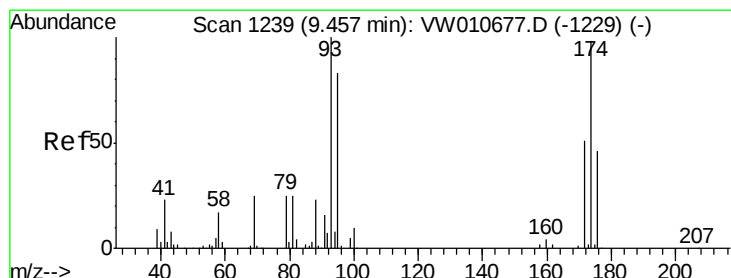
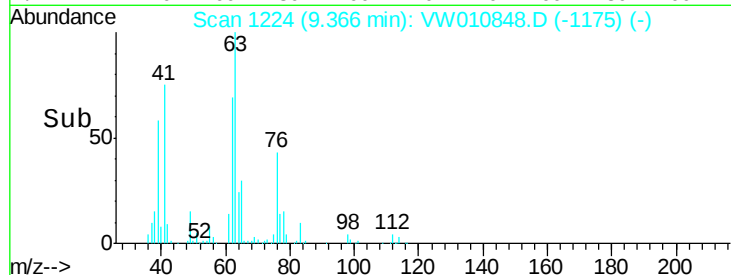
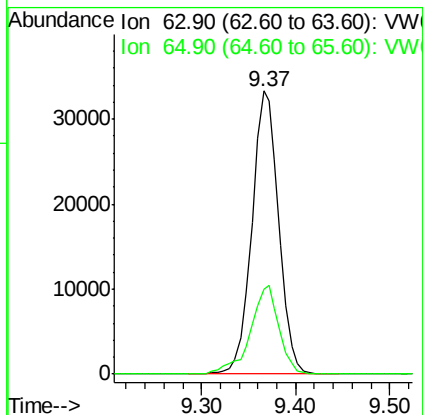
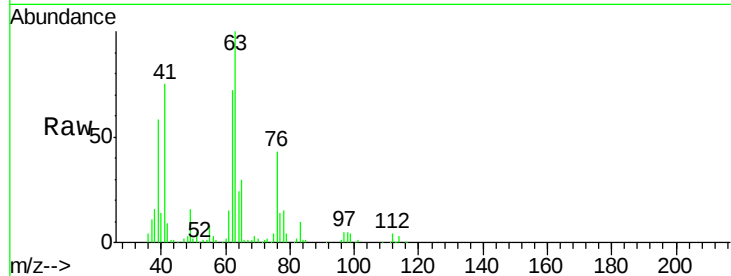
65 30.2 23.8 35.6

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#46

Dibromomethane

Concen: 19.549 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW010848.D

Acq: 19 Jun 2019 14:12

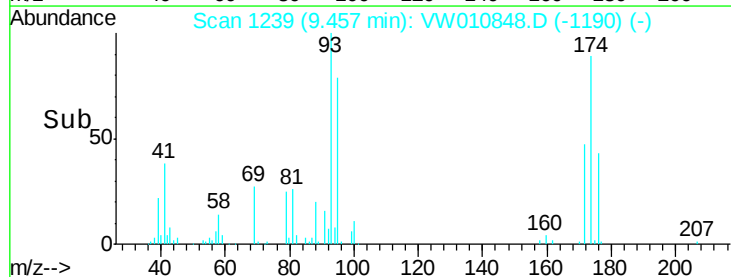
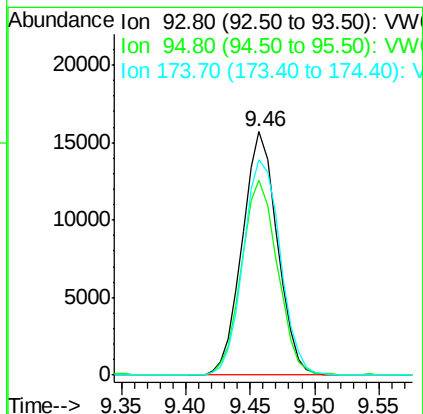
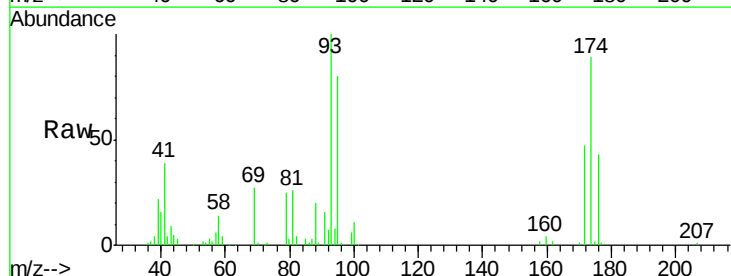
Tgt Ion: 93 Resp: 29621

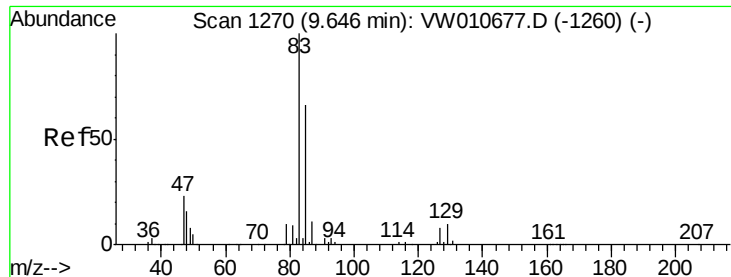
Ion Ratio Lower Upper

93 100

95 82.0 65.8 98.8

174 93.4 77.4 116.0





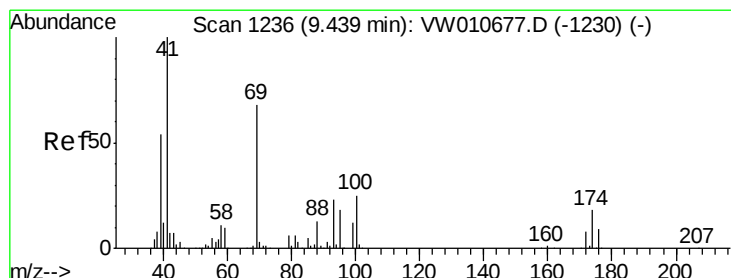
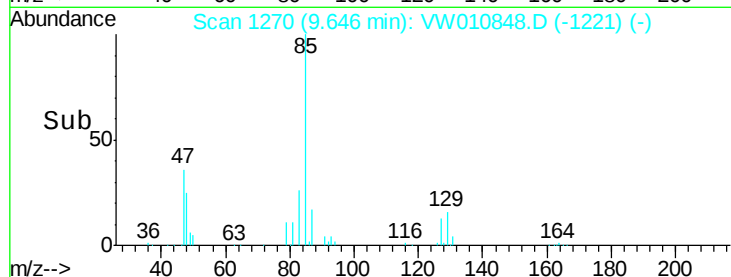
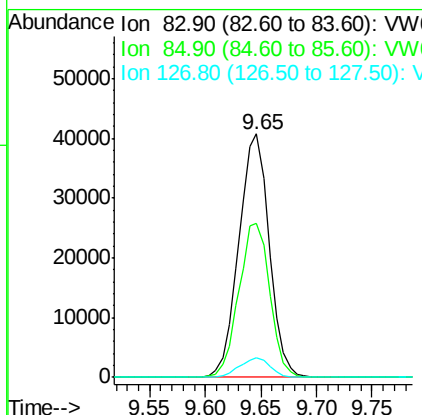
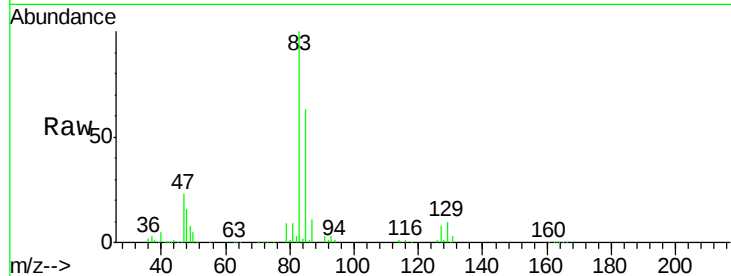
#47
Bromodichloromethane
Concen: 19.679 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VW010848.D
Acq: 19 Jun 2019 14:12

Instrument :
MSVOA_W
ClientSampleId :
VW0619SBS01

Tot Ion	83	Resp	77293
Ion Ratio	100	Lower	Upper
83	100		
85	63.3	53.0	79.4
127	8.2	6.4	9.6

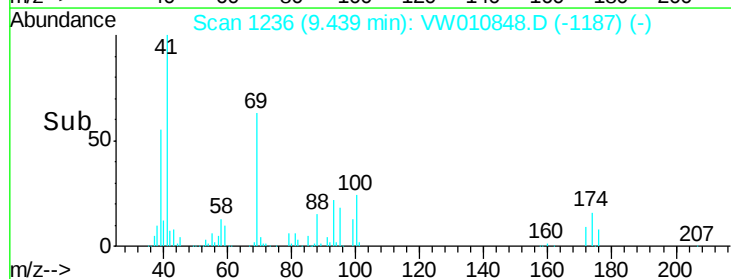
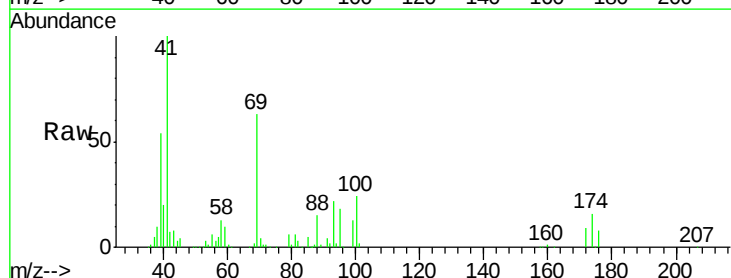
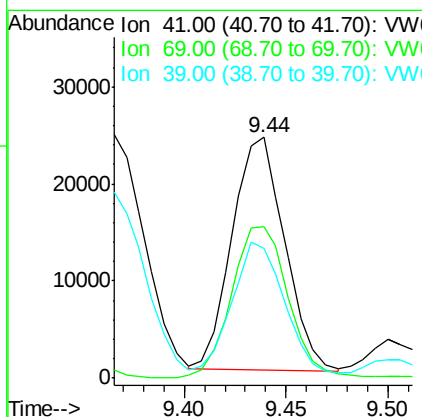
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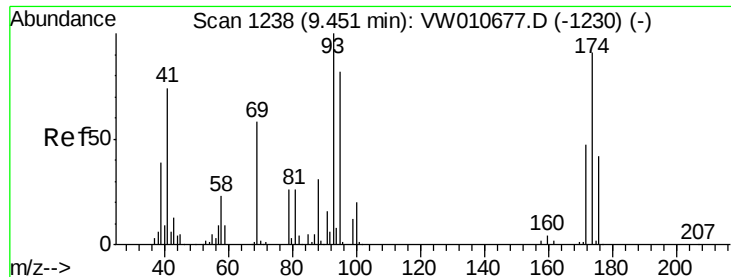
MMDadoda
6/20/2019 12:00:12 PM



#48
Methyl methacrylate
Concen: 18.339 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VW010848.D
Acq: 19 Jun 2019 14:12

Tgt Ion	41	Resp	42761
Ion Ratio	100	Lower	Upper
41	100		
69	71.2	56.6	85.0
39	55.4	44.4	66.6





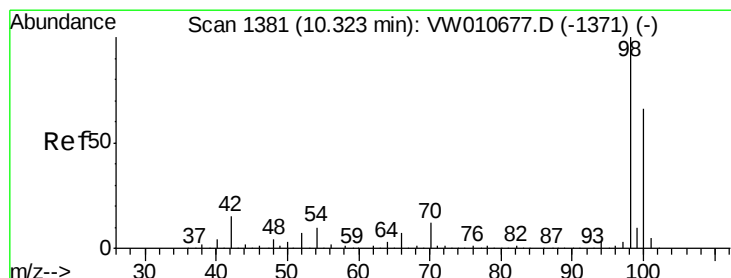
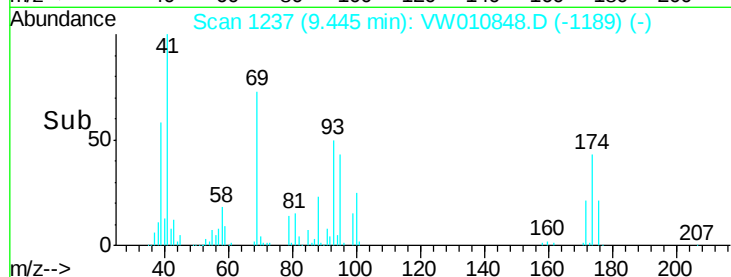
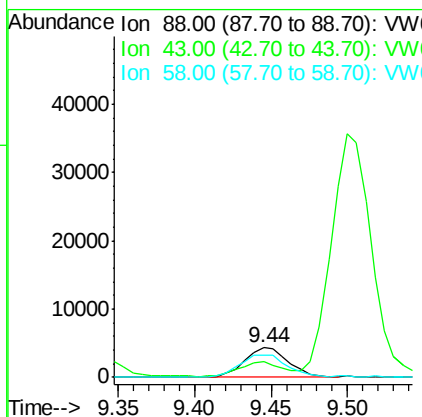
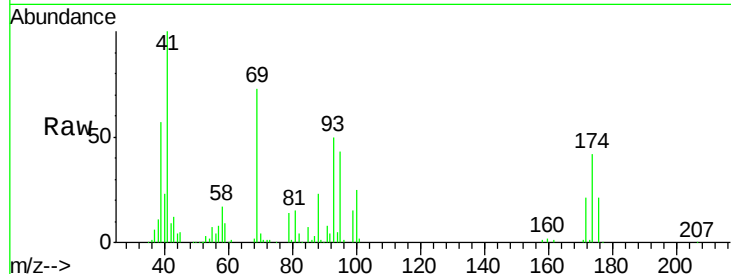
#49
1,4-Dioxane
Concen: 366.620 ug/l
RT: 9.44 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VW010848.D
Acq: 19 Jun 2019 14:12

Instrument :
MSVOA_W
ClientSampleId :
VW0619SBS01

Tot Ion: 88 Resp: 8685
Ion Ratio Lower Upper
88 100
43 47.3 34.2 51.4
58 82.1 69.0 103.4

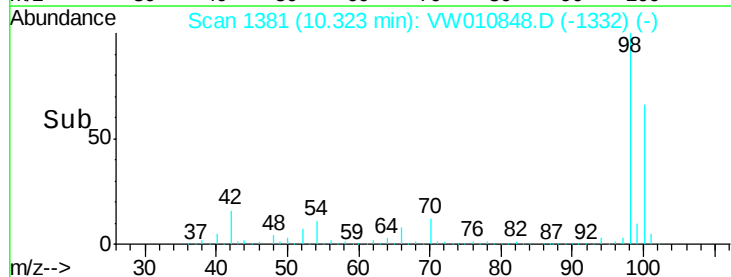
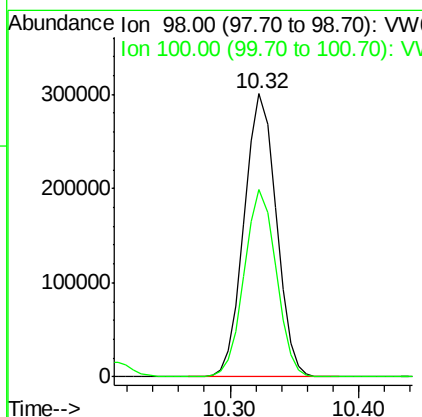
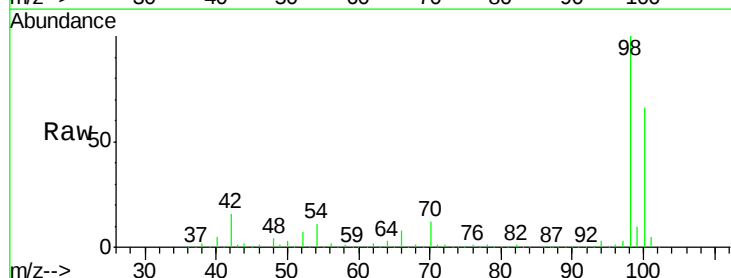
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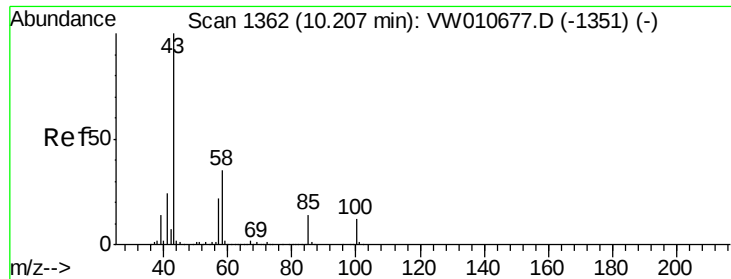
MMDadoda
6/20/2019 12:00:12 PM



#50
Toluene-d8
Concen: 49.448 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010848.D
Acq: 19 Jun 2019 14:12

Tgt Ion: 98 Resp: 519390
Ion Ratio Lower Upper
98 100
100 65.7 53.0 79.6





#51

4-Methyl-2-Pentanone

Concen: 93.714 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW010848.D

Acq: 19 Jun 2019 14:12

Instrument :

MSVOA_W

ClientSampled :

VW0619SBS01

Tot Ion: 43 Resp: 231530

Ion Ratio Lower Upper

43 100

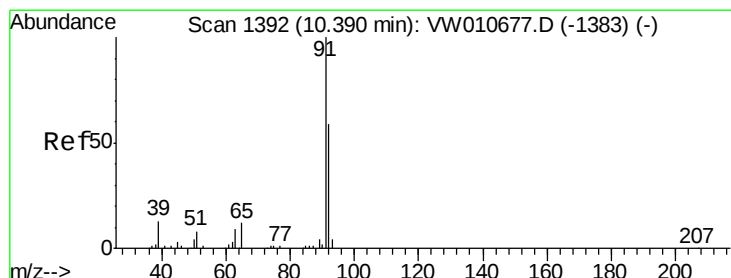
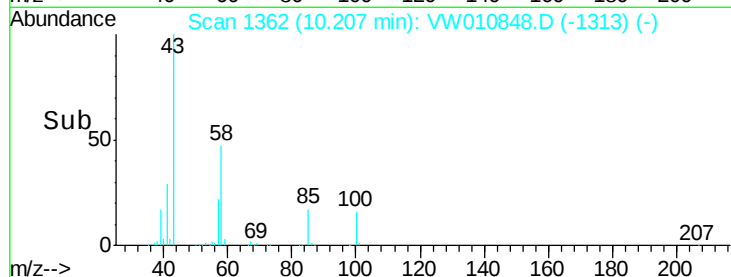
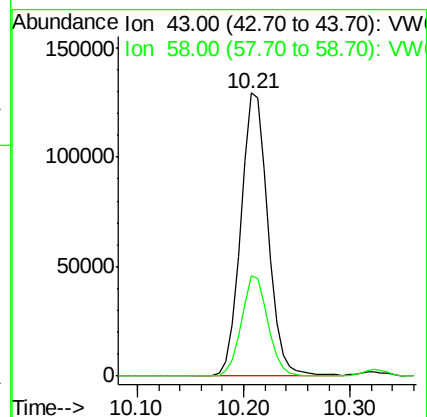
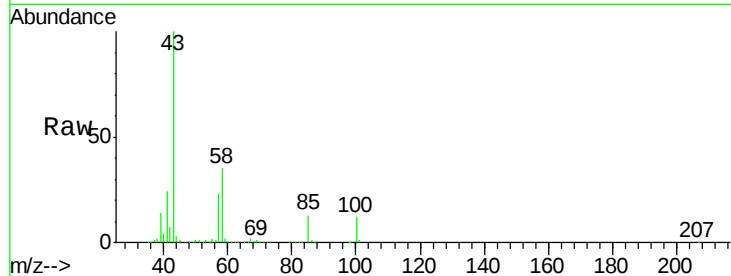
58 34.9 28.4 42.6

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#52

Toluene

Concen: 19.911 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010848.D

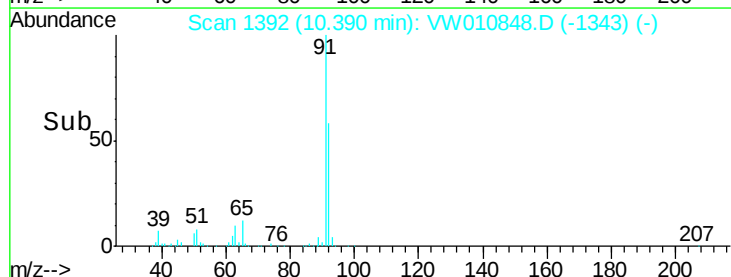
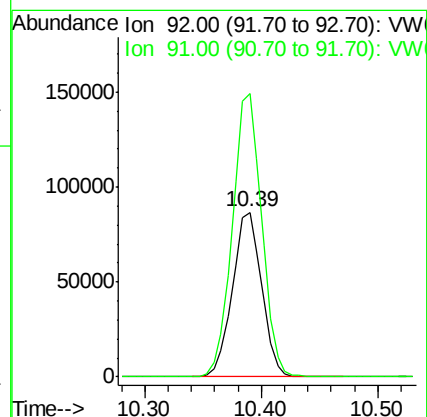
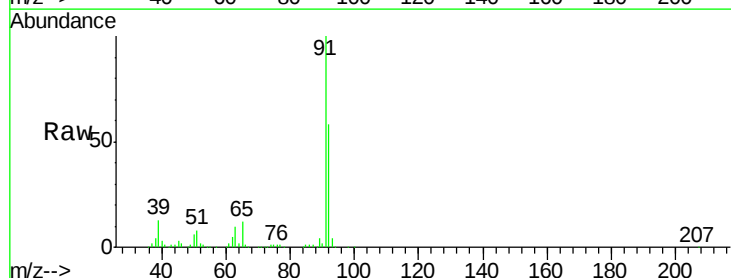
Acq: 19 Jun 2019 14:12

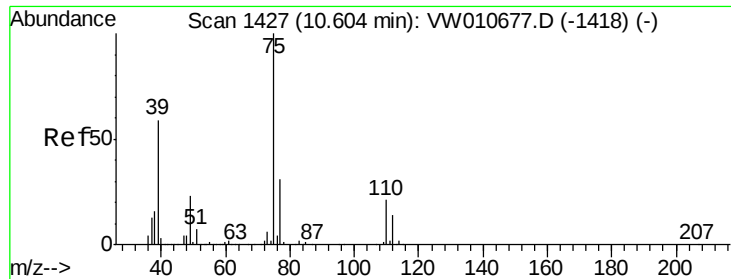
Tgt Ion: 92 Resp: 150971

Ion Ratio Lower Upper

92 100

91 172.8 134.9 202.3





#53

t-1,3-Dichloropropene

Concen: 19.071 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010848.D

Acq: 19 Jun 2019 14:12

Instrument :

MSVOA_W

ClientSampleId :

VW0619SBS01

Tot Ion: 75 Resp: 79339

Ion Ratio Lower Upper

75 100

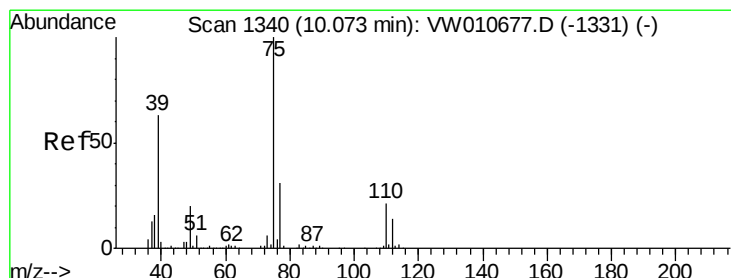
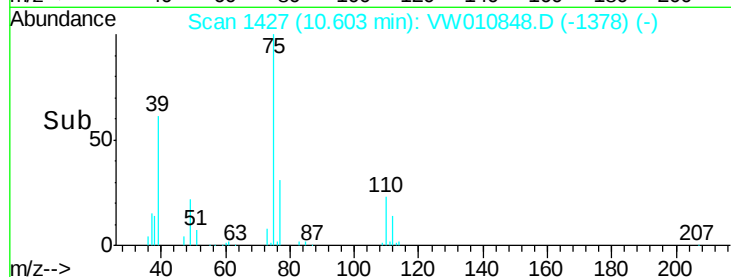
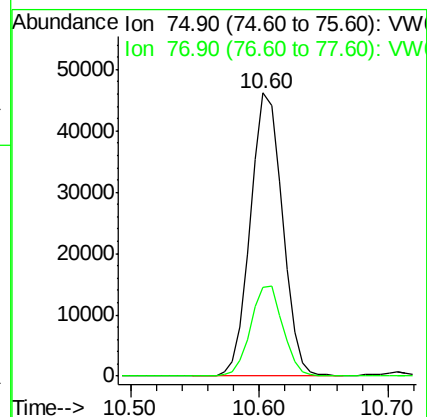
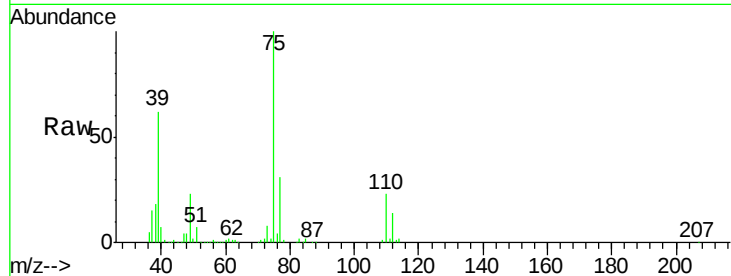
77 31.4 24.6 36.8

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 19.733 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010848.D

Acq: 19 Jun 2019 14:12

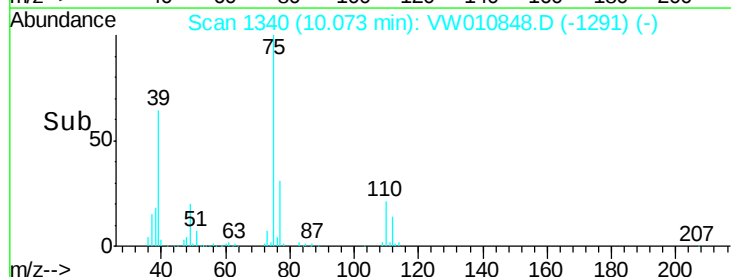
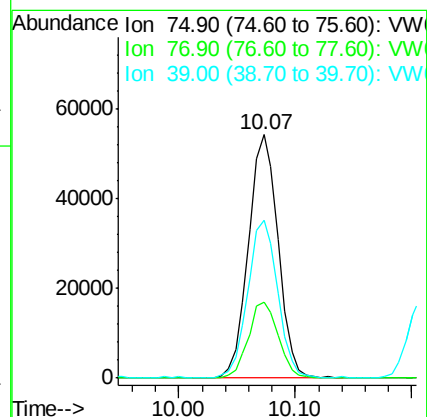
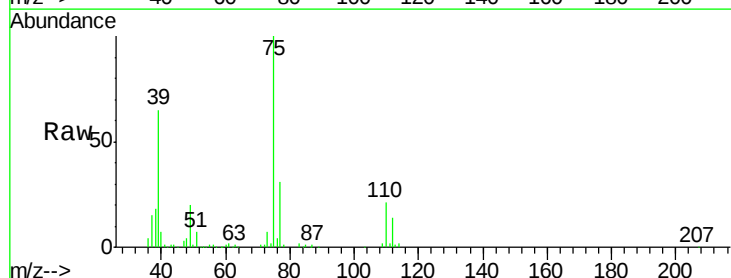
Tgt Ion: 75 Resp: 96600

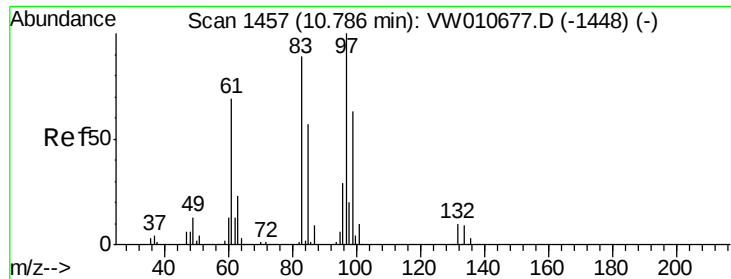
Ion Ratio Lower Upper

75 100

77 31.4 25.2 37.8

39 64.5 50.1 75.1





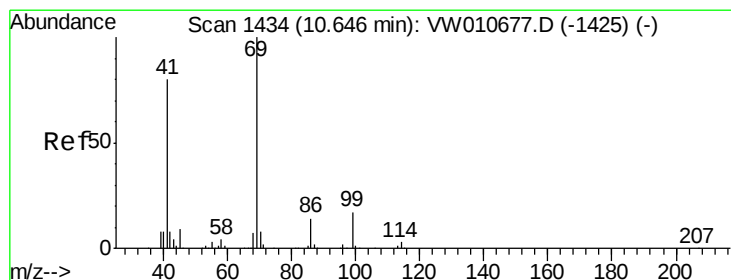
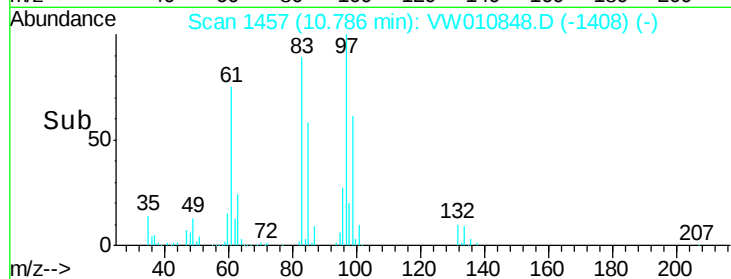
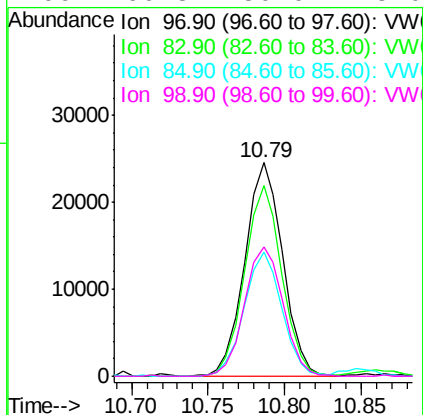
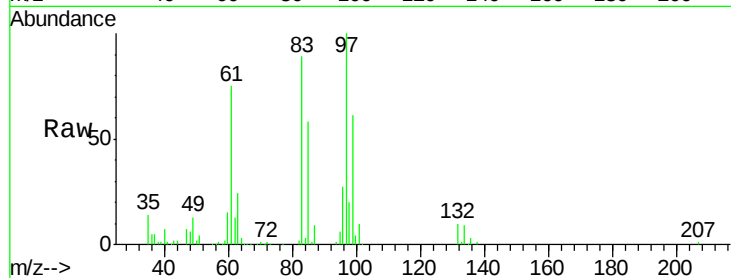
#55
 1,1,2-Trichloroethane
 Concen: 19.405 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010848.D
 Acq: 19 Jun 2019 14:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0619SBS01

Tot Ion:	97	Resp:	42356
Ion	Ratio	Lower	Upper
97	100		
83	89.4	71.1	106.7
85	58.4	45.2	67.8
99	60.8	50.0	75.0

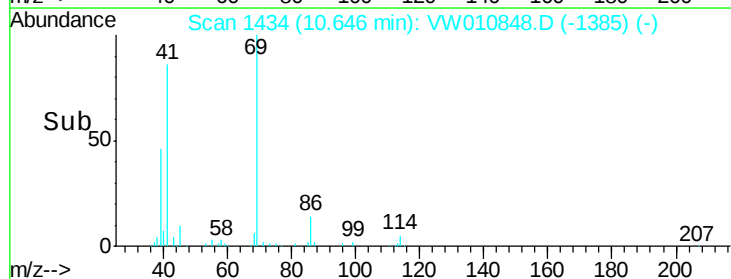
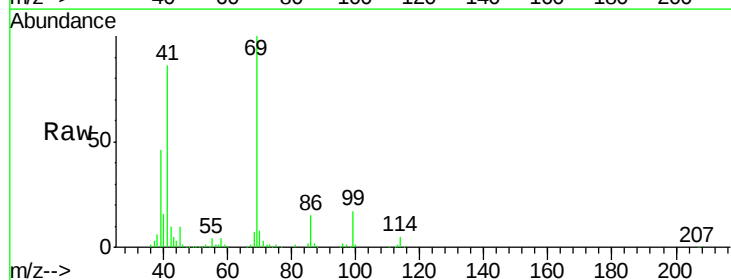
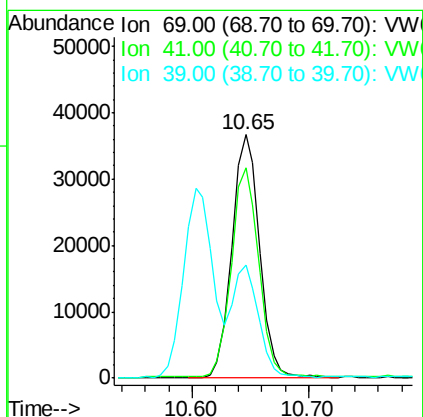
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#56
 Ethyl methacrylate
 Concen: 18.139 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010848.D
 Acq: 19 Jun 2019 14:12

Tgt Ion:	69	Resp:	60923
Ion	Ratio	Lower	Upper
69	100		
41	84.5	64.8	97.2
39	42.8	32.2	48.2





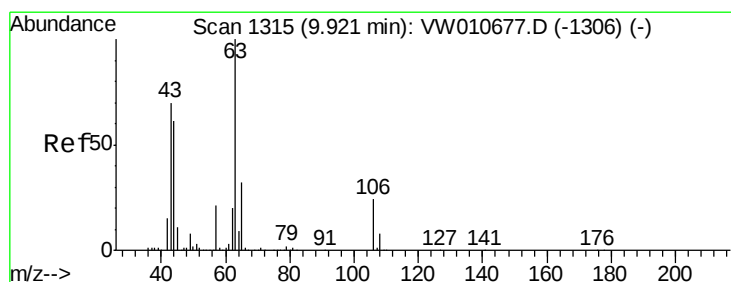
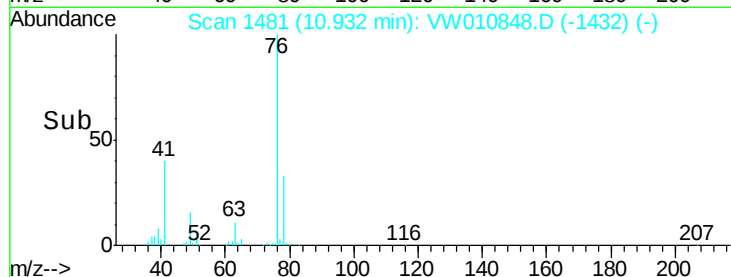
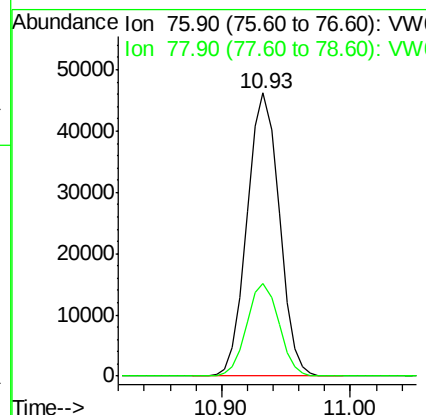
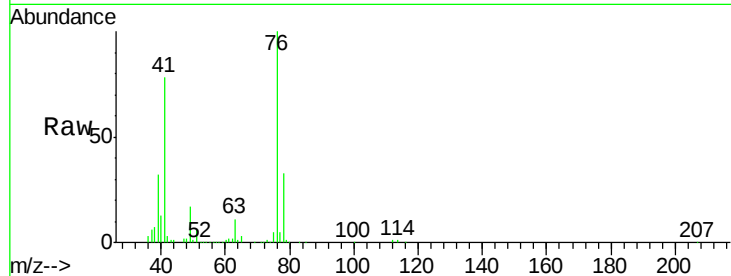
#57
 1,3-Dichloropropane
 Concen: 19.419 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW010848.D
 Acq: 19 Jun 2019 14:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0619SBS01

Tot Ion: 76 Resp: 79880
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.7 38.5

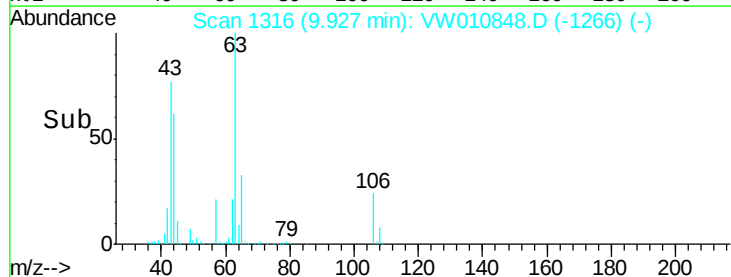
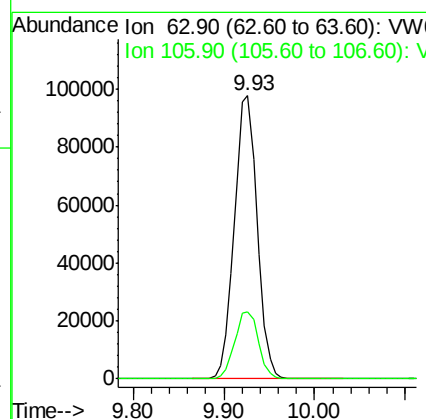
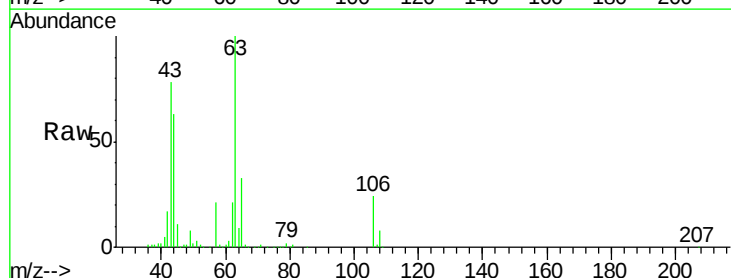
Manual Integrations
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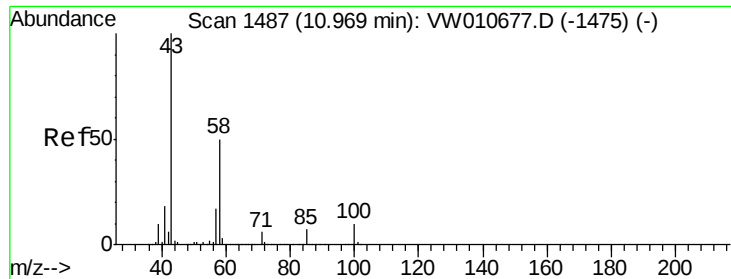
MMDadoda
 6/20/2019 12:00:12 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.313 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW010848.D
 Acq: 19 Jun 2019 14:12

Tgt Ion: 63 Resp: 171197
 Ion Ratio Lower Upper
 63 100
 106 24.6 20.1 30.1





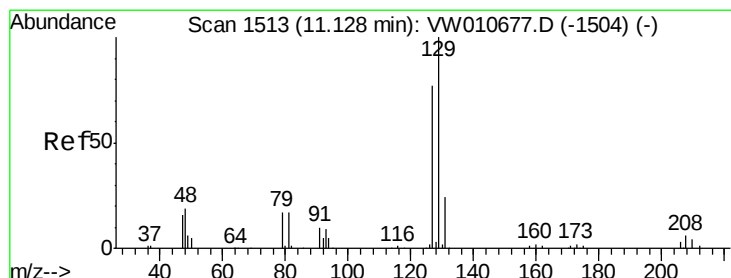
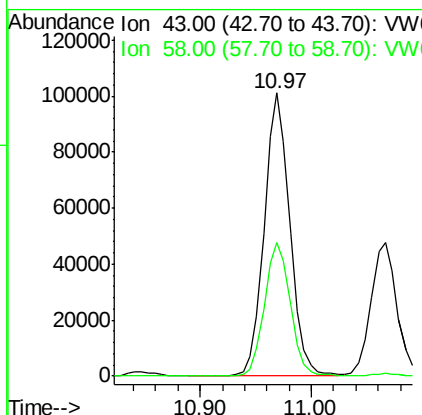
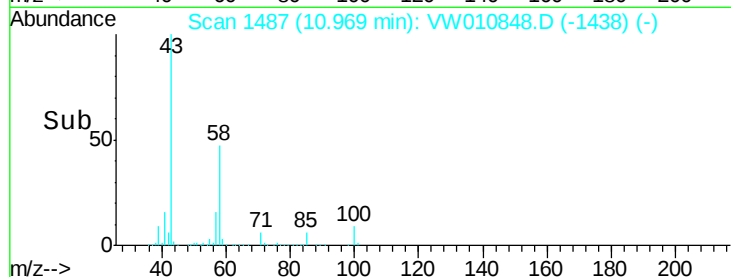
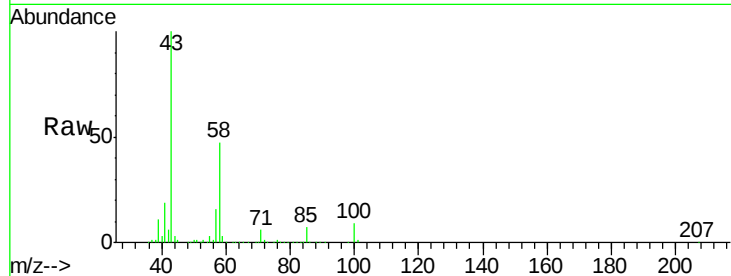
#59
2-Hexanone
Concen: 90.571 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010848.D
Acq: 19 Jun 2019 14:12

Instrument :
MSVOA_W
ClientSampleId :
VW0619SBS01

Tot Ion: 43 Resp: 161720
Ion Ratio Lower Upper
43 100
58 47.7 24.9 74.6

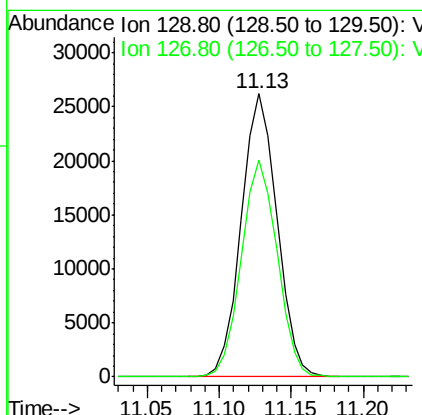
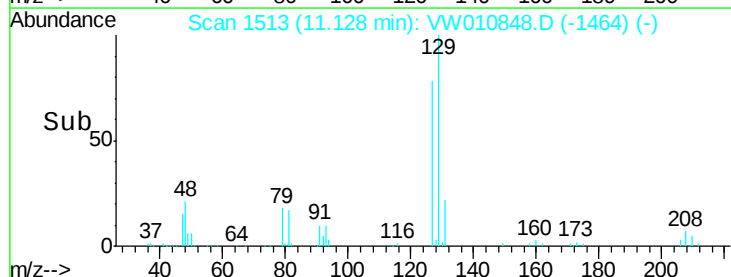
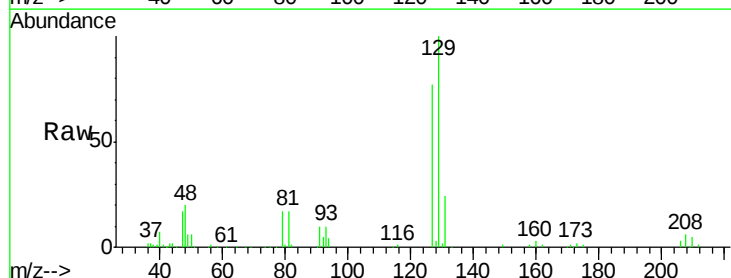
Manual Integrations
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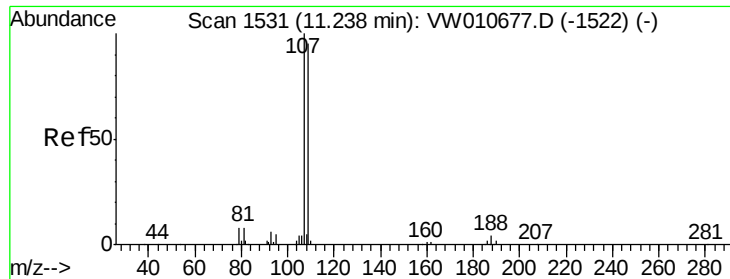
MMDadoda
6/20/2019 12:00:12 PM



#60
Dibromochloromethane
Concen: 18.665 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010848.D
Acq: 19 Jun 2019 14:12

Tgt Ion:129 Resp: 45164
Ion Ratio Lower Upper
129 100
127 76.6 38.6 116.0





#61

1,2-Dibromoethane

Concen: 18.799 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW010848.D

Acq: 19 Jun 2019 14:12

Instrument :

MSVOA_W

ClientSampled :

VW0619SBS01

Tot Ion:107 Resp: 38879

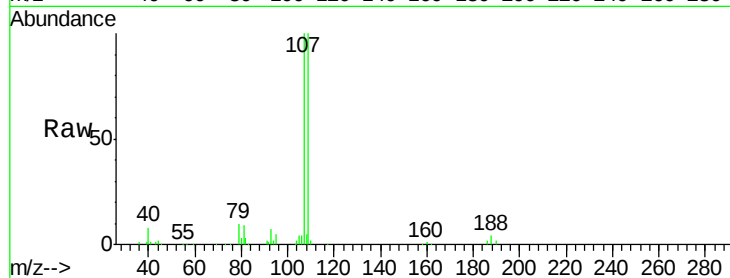
Ion Ratio Lower Upper

107 100

109 94.9 75.8 113.8

Manual Integrations
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6/20/2019 12:00:12 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

25000

20000

15000

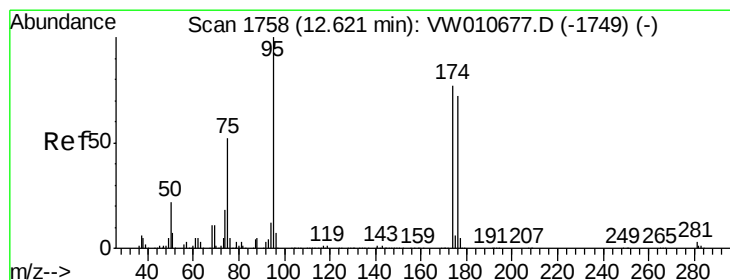
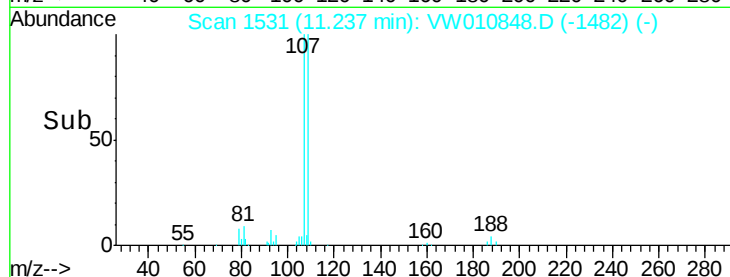
10000

5000

0

Time-->

11.15 11.20 11.25 11.30



#62

4-Bromofluorobenzene

Concen: 49.748 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010848.D

Acq: 19 Jun 2019 14:12

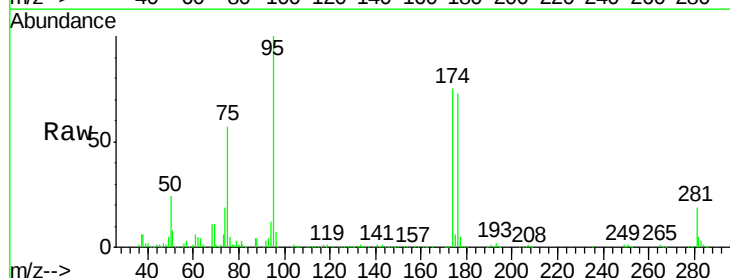
Tgt Ion: 95 Resp: 190145

Ion Ratio Lower Upper

95 100

174 73.1 0.0 150.4

176 71.1 0.0 144.8



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

150000

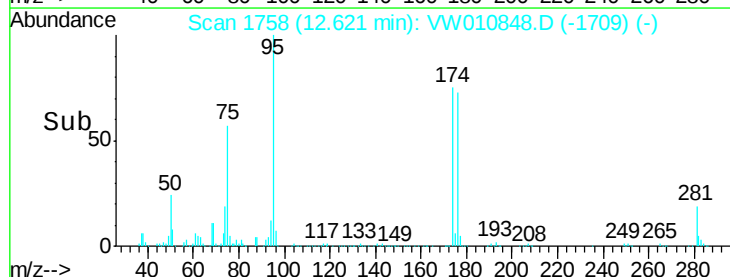
100000

50000

0

Time-->

12.55 12.60 12.65 12.70





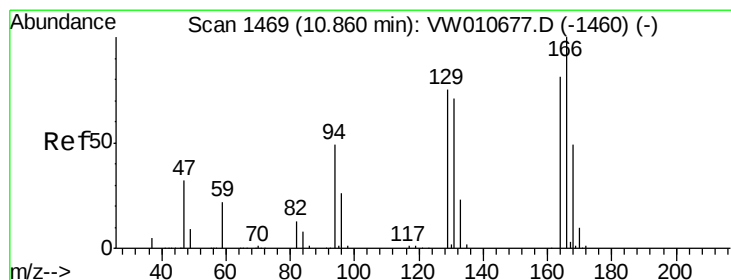
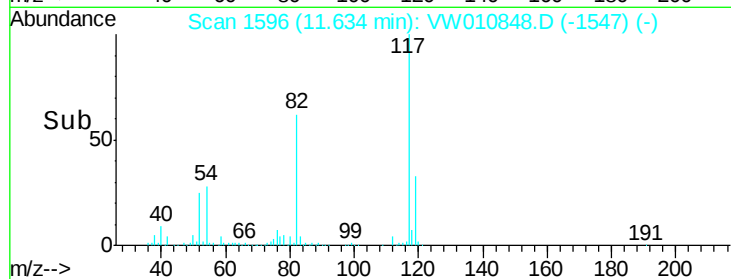
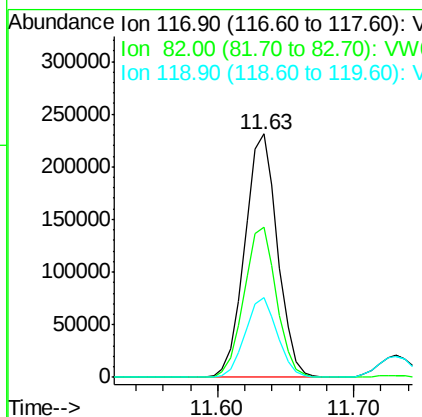
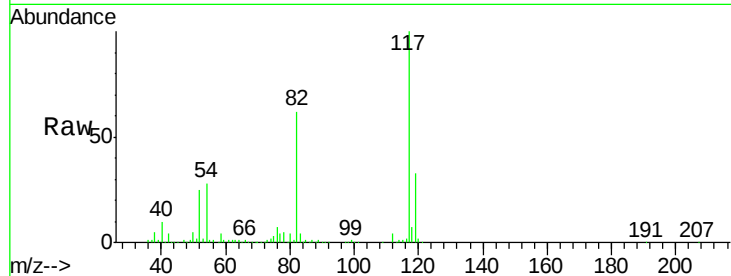
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010848.D
Acq: 19 Jun 2019 14:12

Instrument :
MSVOA_W
ClientSampleId :
VW0619SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	388162		
82	61.9	47.0	70.4	
119	32.8	25.1	37.7	

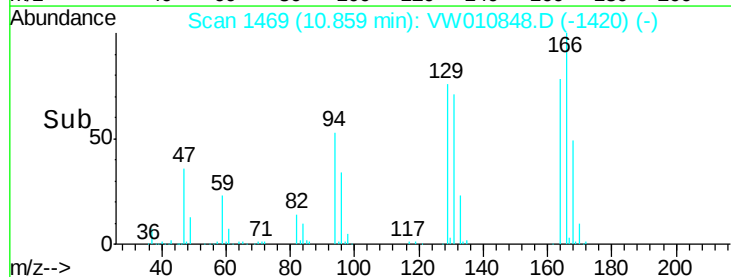
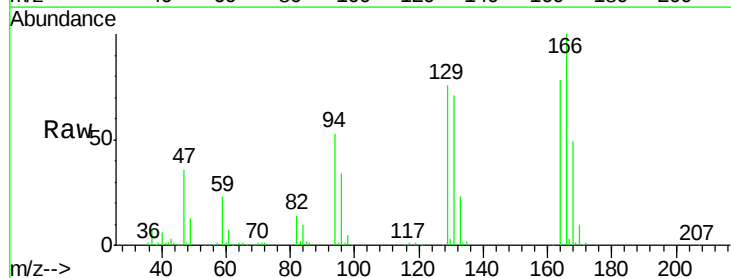
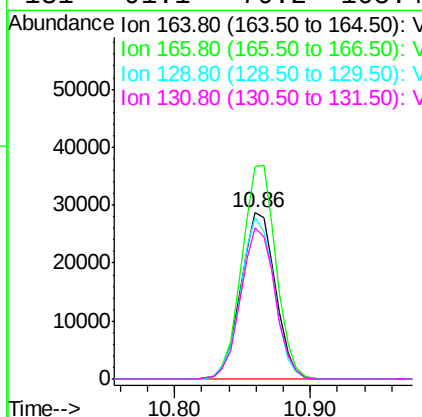
Manual Integrations
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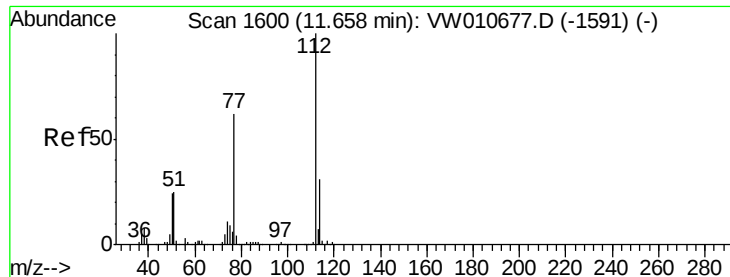
MMDadoda
6/20/2019 12:00:12 PM



#64
Tetrachloroethene
Concen: 19.666 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010848.D
Acq: 19 Jun 2019 14:12

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	50683		
166	127.7	99.2	148.8	
129	96.7	74.6	112.0	
131	91.1	70.2	105.4	





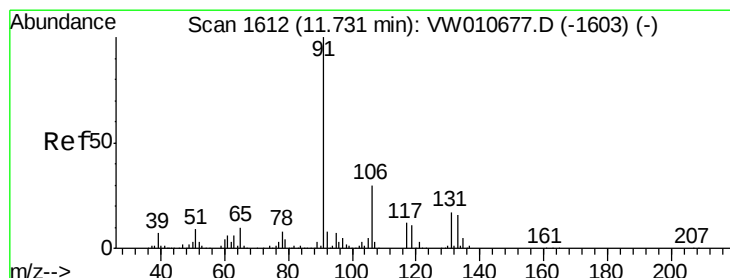
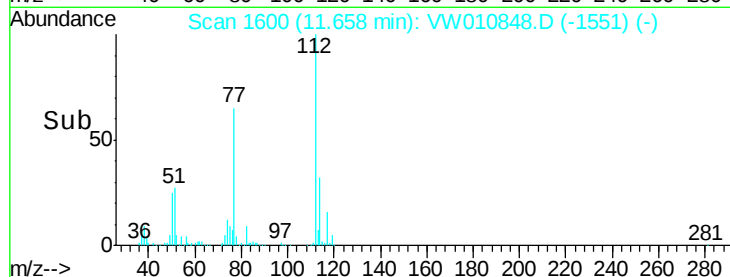
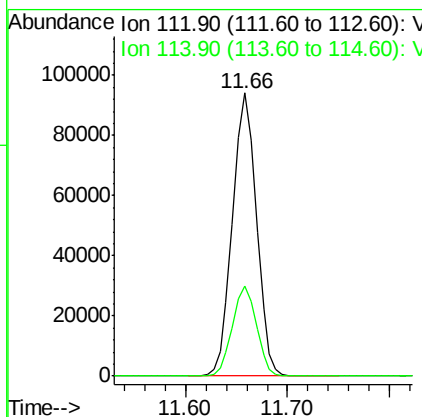
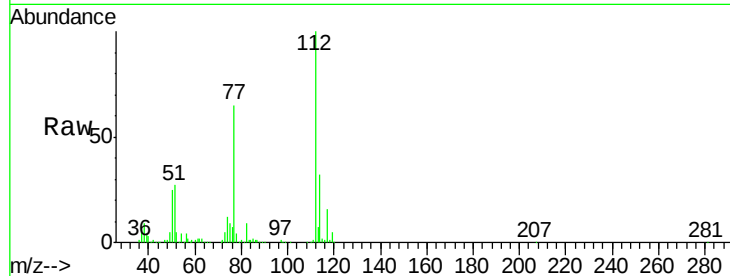
#65
Chlorobenzene
Concen: 20.108 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010848.D
Acq: 19 Jun 2019 14:12

Instrument :
MSVOA_W
ClientSampleId :
VW0619SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	24.8	37.2

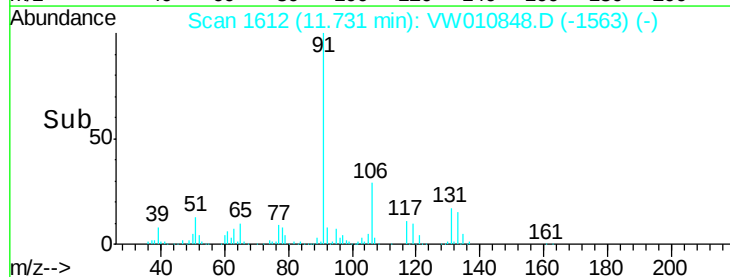
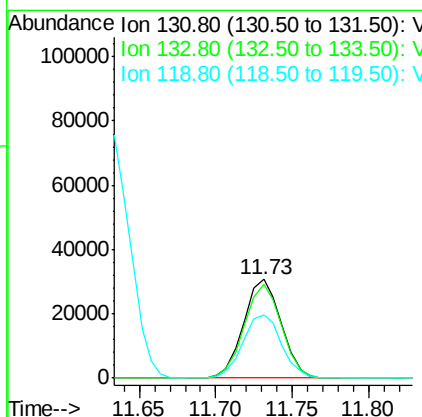
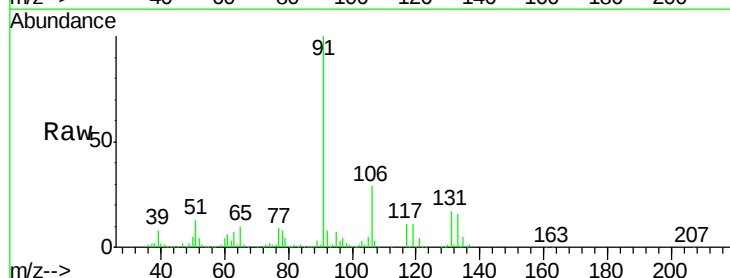
Manual Integrations
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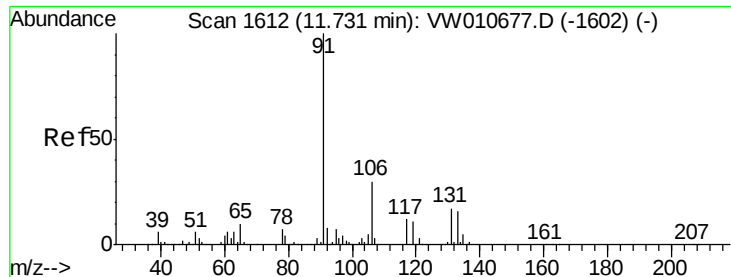
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.831 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010848.D
Acq: 19 Jun 2019 14:12

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.6	47.3	141.9
119	65.8	32.4	97.0





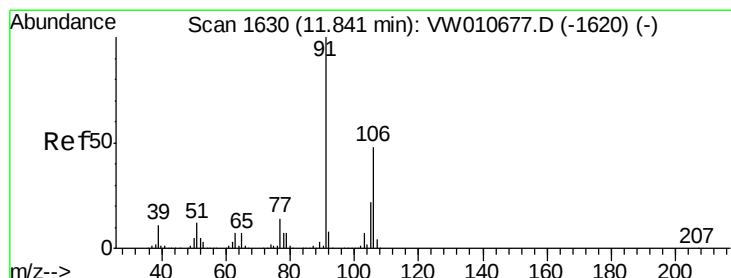
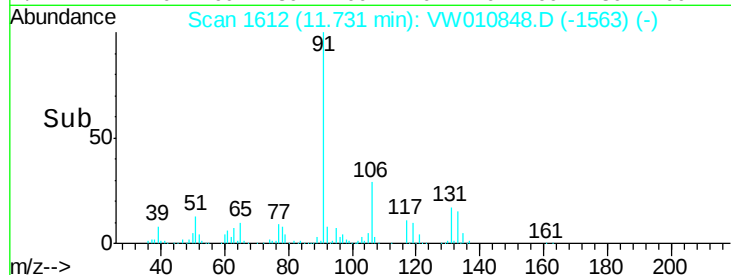
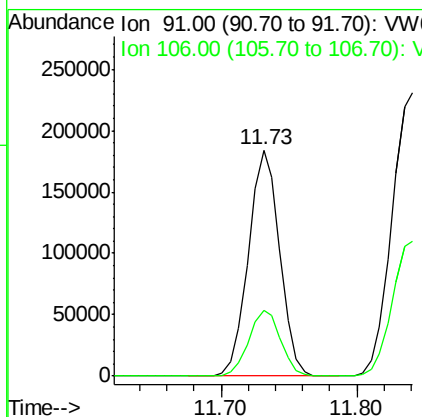
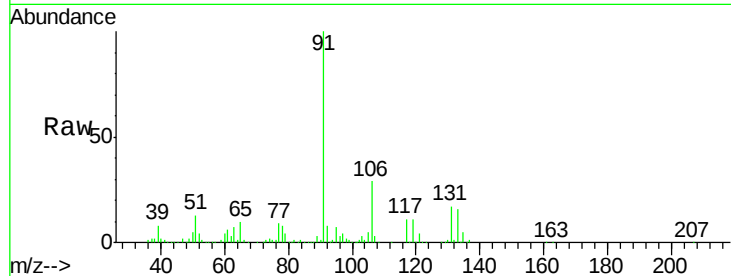
#67
Ethyl Benzene
Concen: 20.205 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010848.D
Acq: 19 Jun 2019 14:12

Instrument :
MSVOA_W
ClientSampleId :
VW0619SBS01

Tot Ion: 91 Resp: 296407
Ion Ratio Lower Upper
91 100
106 29.3 24.2 36.4

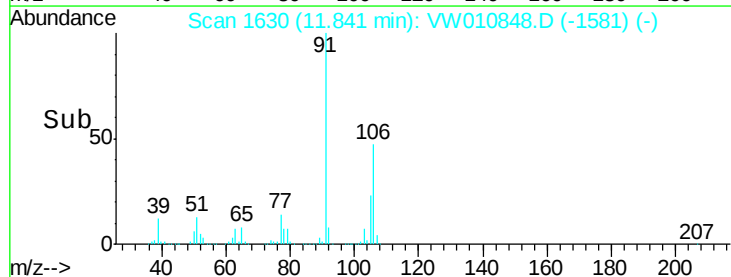
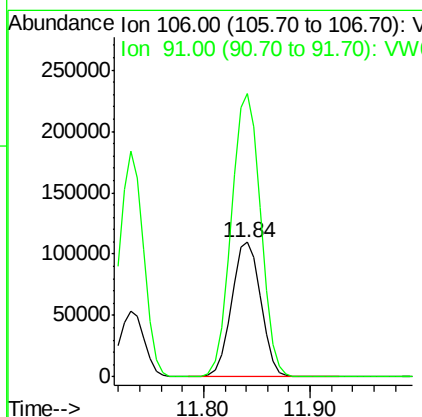
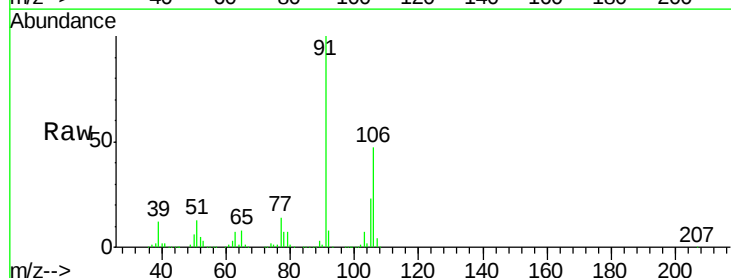
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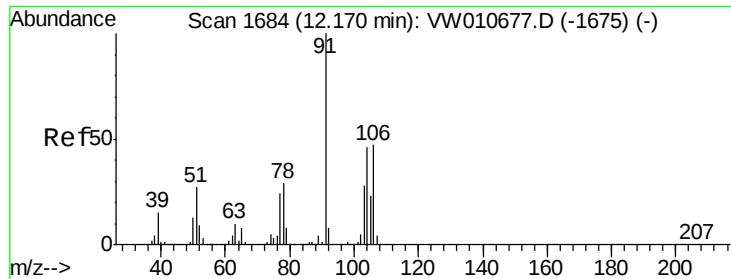
MMDadoda
6/20/2019 12:00:12 PM



#68
m/p-Xylenes
Concen: 40.229 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010848.D
Acq: 19 Jun 2019 14:12

Tgt Ion: 106 Resp: 211258
Ion Ratio Lower Upper
106 100
91 210.3 166.5 249.7





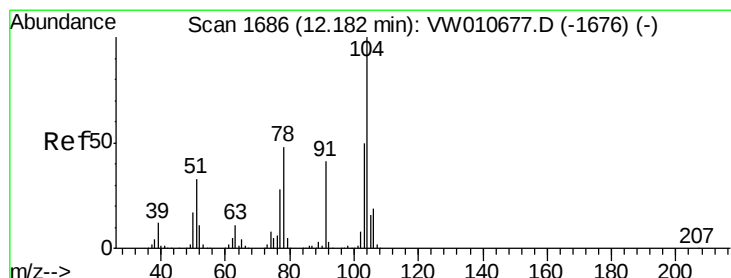
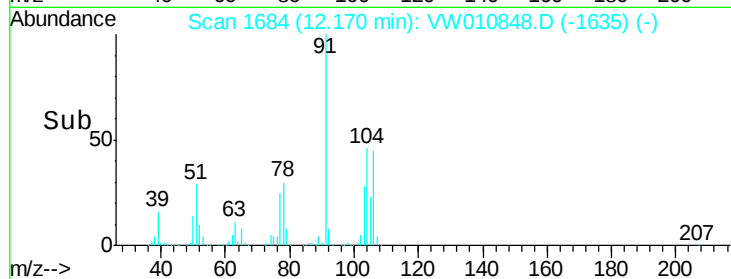
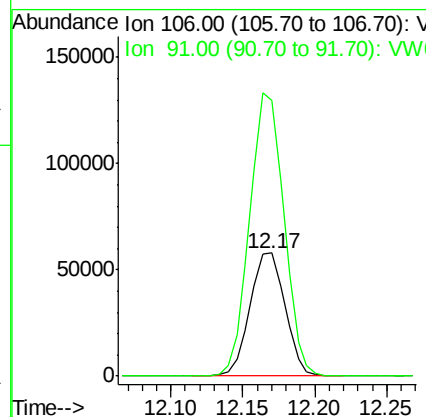
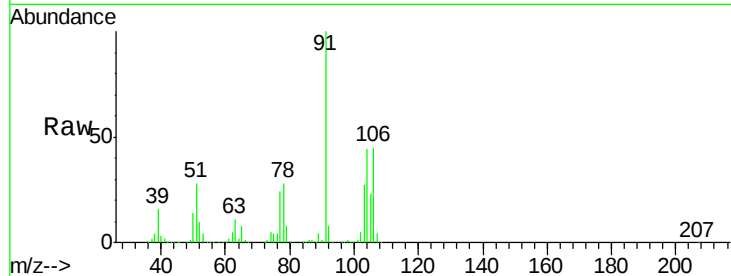
#69
o-Xylene
Concen: 19.626 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW010848.D
Acq: 19 Jun 2019 14:12

Instrument :
MSVOA_W
ClientSampled :
VW0619SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	225.0	108.9	326.6

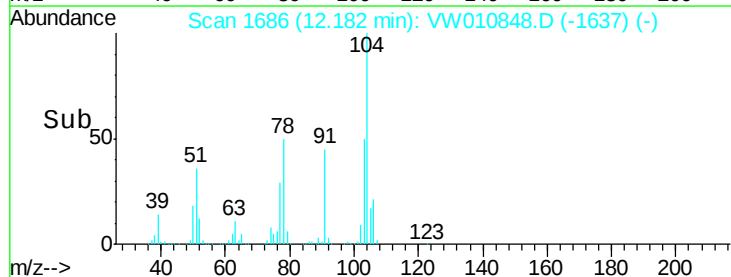
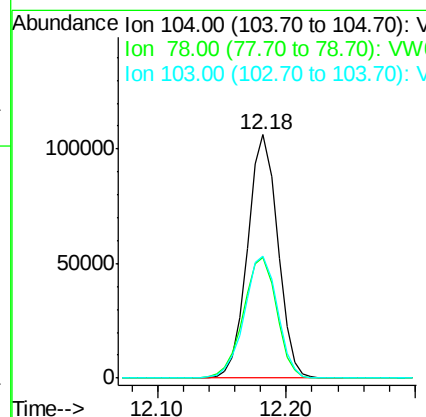
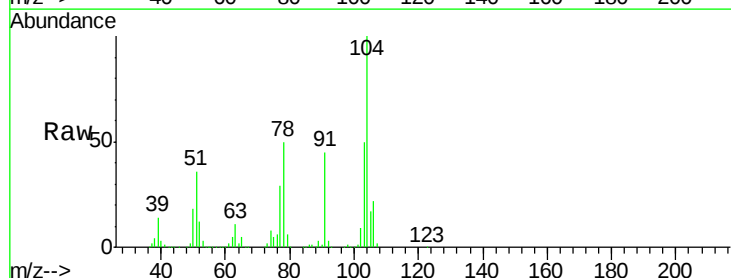
Manual Integrations
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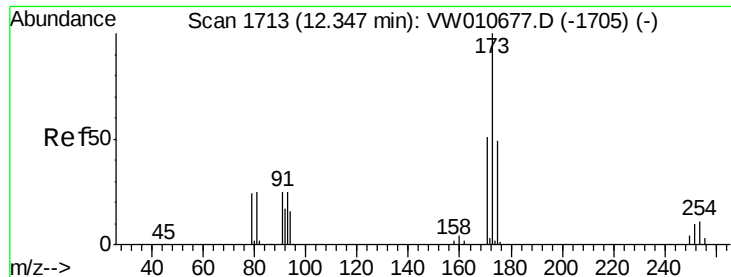
MMDadoda
6/20/2019 12:00:12 PM



#70
Styrene
Concen: 19.812 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010848.D
Acq: 19 Jun 2019 14:12

Tgt Ion	Ratio	Lower	Upper
104	100		
78	55.1	42.7	64.1
103	55.1	43.6	65.4





#71

Bromoform

Concen: 17.883 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW010848.D

Acq: 19 Jun 2019 14:12

Instrument :

MSVOA_W

ClientSampleId :

VW0619SBS01

Tot Ion:173 Resp: 24438

Ion Ratio Lower Upper

173 100

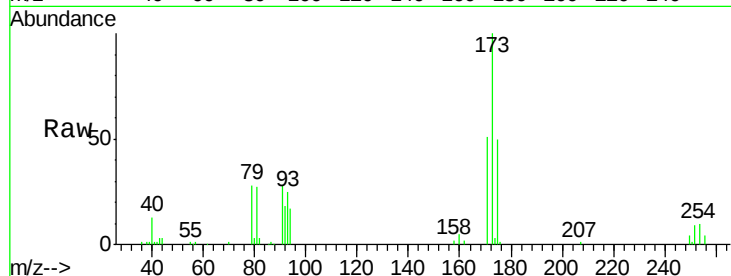
175 49.1 24.3 72.8

254 0.2 0.1 0.1#

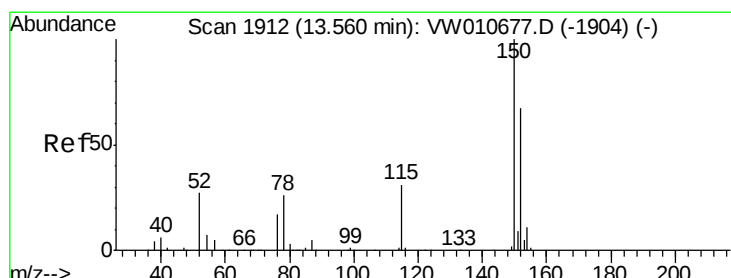
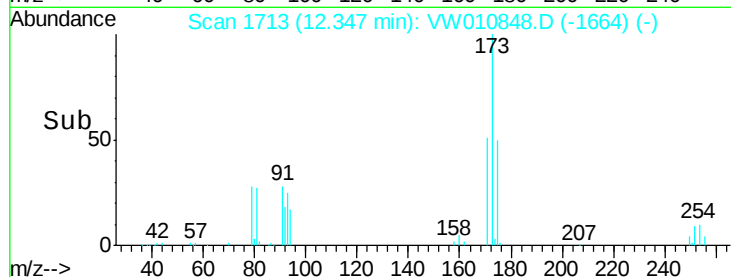
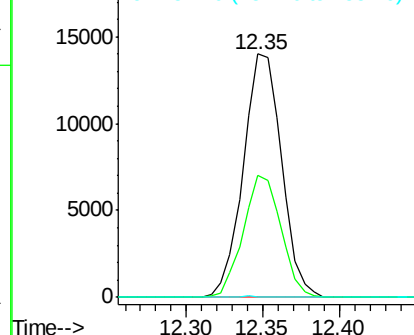
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW010848.D

Acq: 19 Jun 2019 14:12

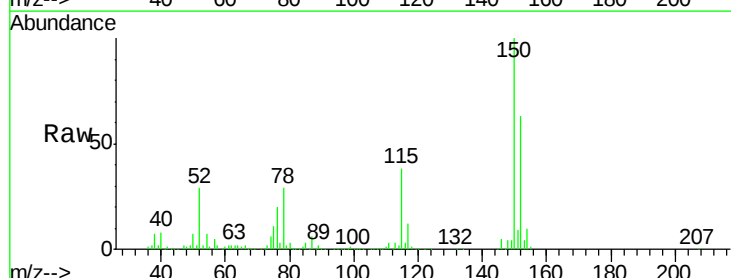
Tgt Ion:152 Resp: 185995

Ion Ratio Lower Upper

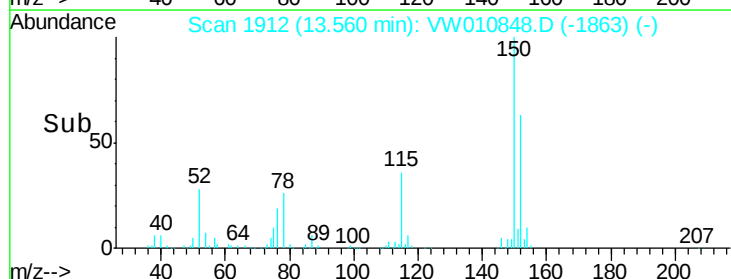
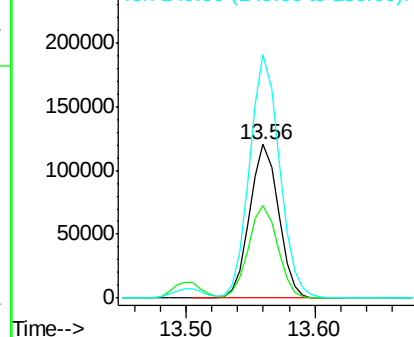
152 100

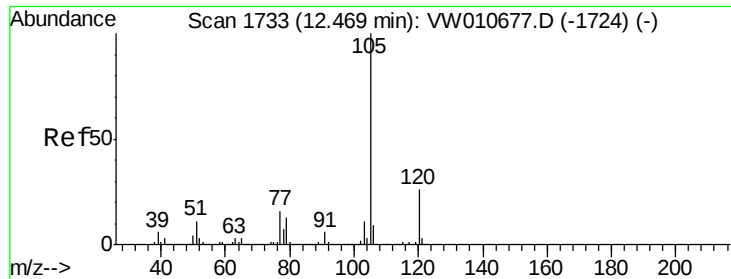
115 60.9 29.8 89.3

150 163.9 0.0 345.0



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: 20.151 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW010848.D

Acq: 19 Jun 2019 14:12

Instrument :

MSVOA_W

ClientSampleId :

VW0619SBS01

Tot Ion:105 Resp: 281651

Ion Ratio Lower Upper

105 100

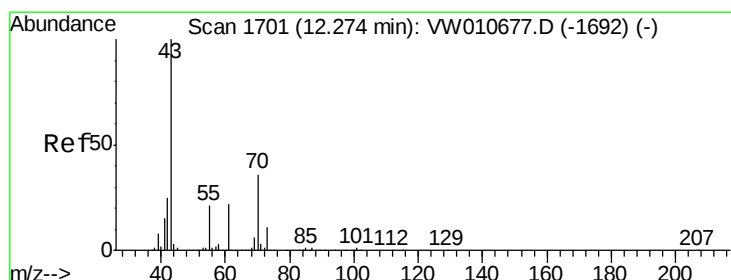
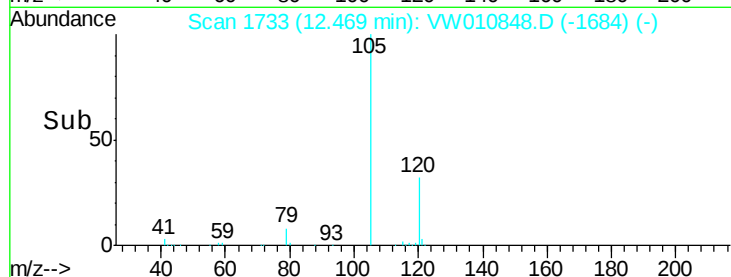
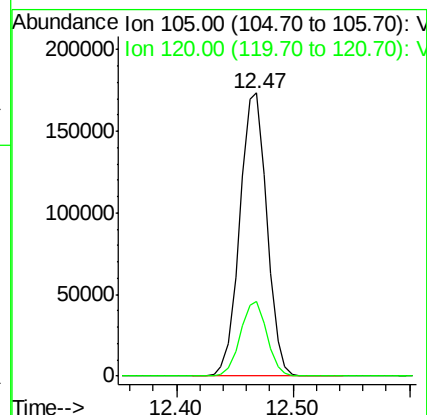
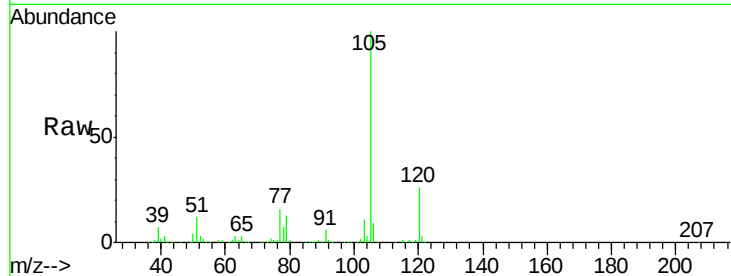
120 25.8 13.1 39.1

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#74

N-ethyl acetate

Concen: 18.622 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010848.D

Acq: 19 Jun 2019 14:12

Tgt Ion: 43 Resp: 84116

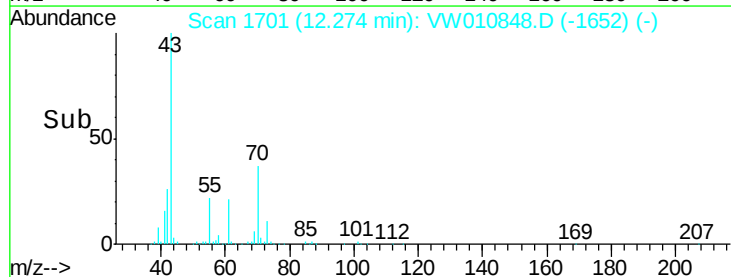
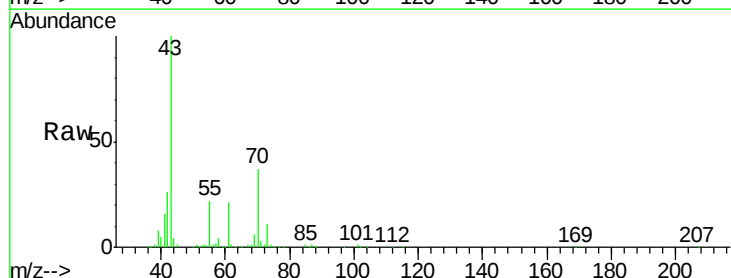
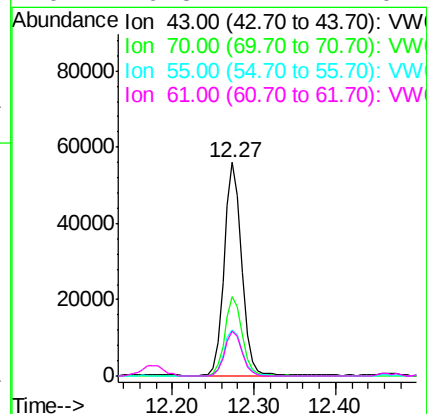
Ion Ratio Lower Upper

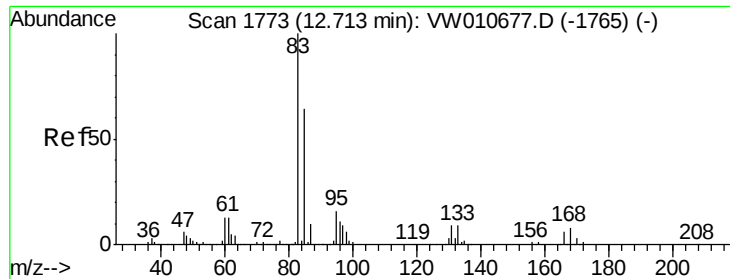
43 100

70 36.7 29.2 43.8

55 22.6 17.5 26.3

61 20.8 17.4 26.2





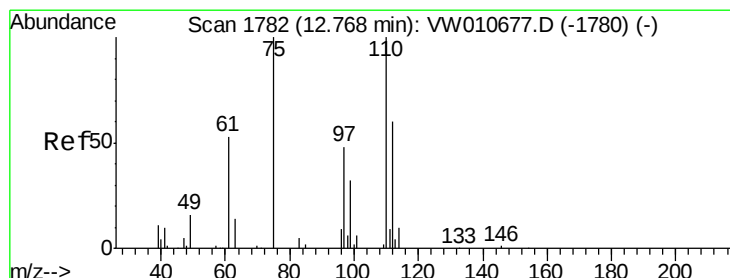
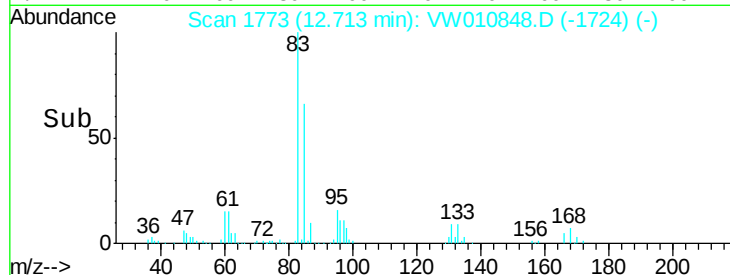
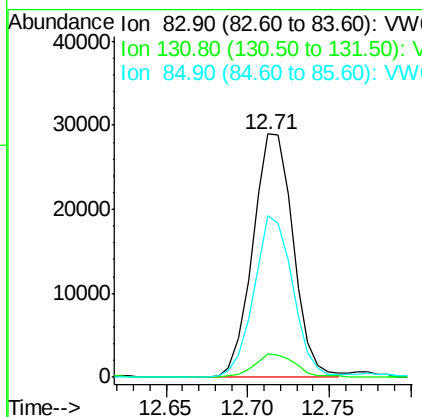
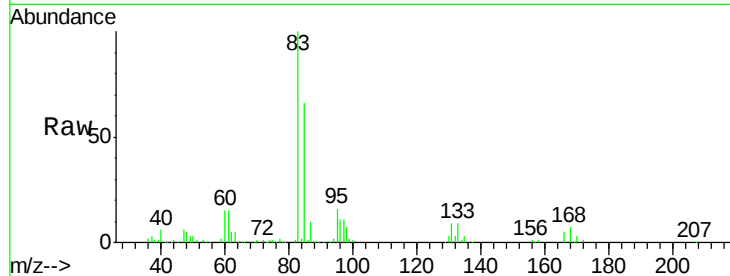
#75
 1,1,2,2-Tetrachloroethane
 Concen: 18.768 ug/l
 RT: 12.71 min Scan# 1773
 Delta R.T. -0.00 min
 Lab File: VW010848.D
 Acq: 19 Jun 2019 14:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0619SBS01

Tot Ion	83	Resp	49939
Ion Ratio	100	Lower	Upper
83	100		
131	9.9	4.9	14.7
85	64.0	31.9	95.9

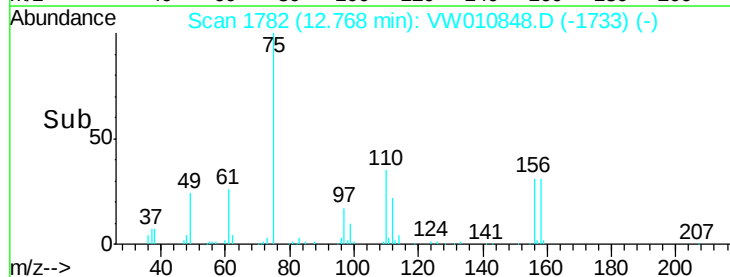
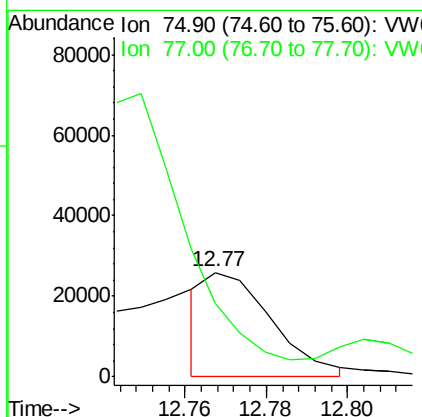
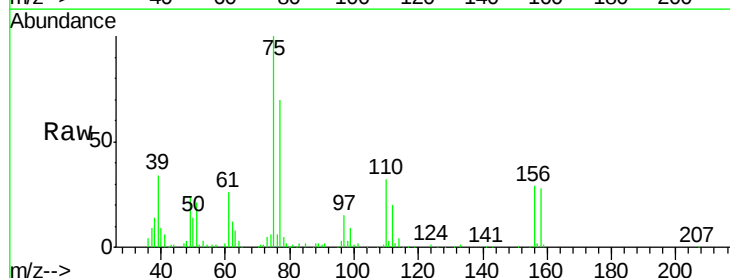
Manual Integrations
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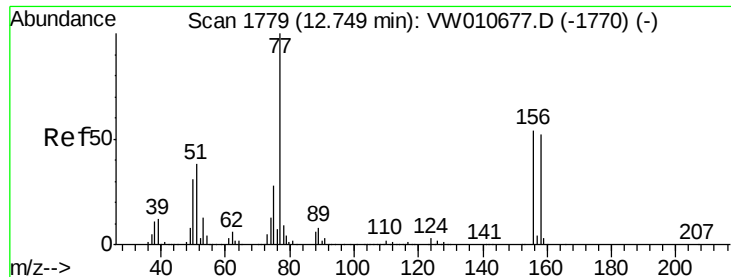
MMDadoda
 6/20/2019 12:00:12 PM



#76
 1,2,3-Trichloropropane
 Concen: 15.098 ug/l m
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW010848.D
 Acq: 19 Jun 2019 14:12

Tgt Ion	75	Resp	29490
Ion Ratio	100	Lower	Upper
75	100		
77	437.8	0.0	0.0#





#77

Bromobenzene

Concen: 19.680 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010848.D

Acq: 19 Jun 2019 14:12

Instrument :

MSVOA_W

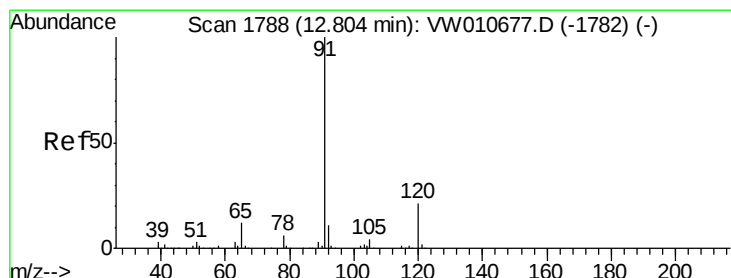
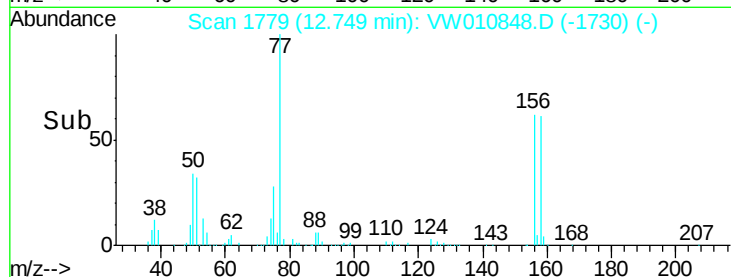
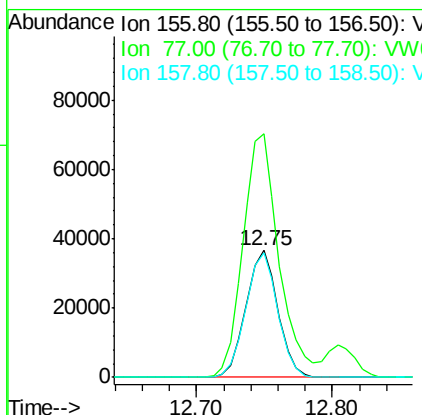
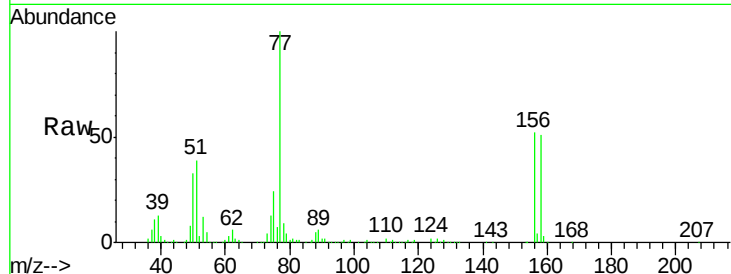
ClientSampleId :

VW0619SBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	215.0	106.5	319.4	
158	98.5	48.3	144.9	

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#78

n-propylbenzene

Concen: 20.407 ug/l

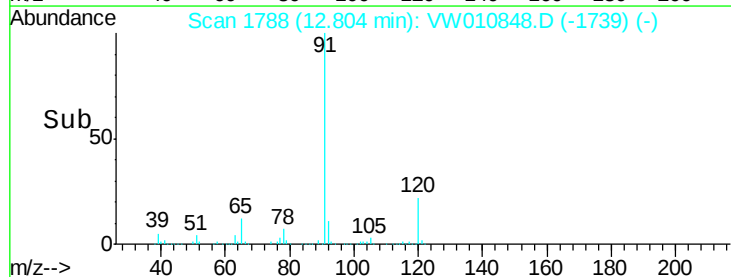
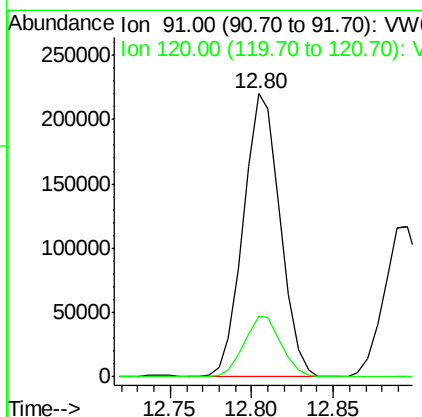
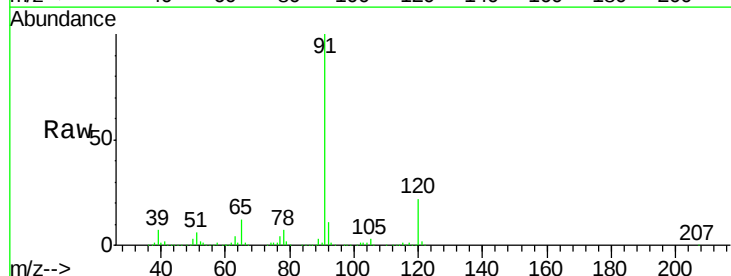
RT: 12.80 min Scan# 1788

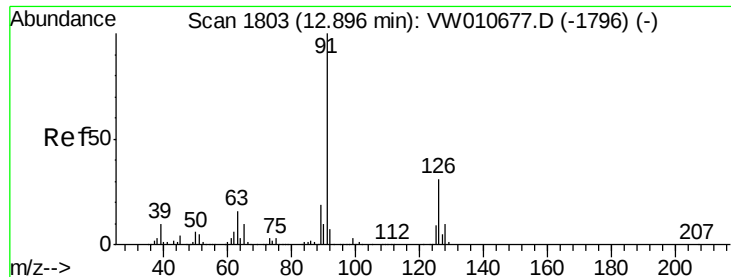
Delta R.T. -0.00 min

Lab File: VW010848.D

Acq: 19 Jun 2019 14:12

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.6	10.8	32.4	





#79

2-Chlorotoluene

Concen: 20.413 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010848.D

Acq: 19 Jun 2019 14:12

Instrument :

MSVOA_W

ClientSampleId :

VW0619SBS01

Tot Ion: 91 Resp: 196551

Ion Ratio Lower Upper

91 100

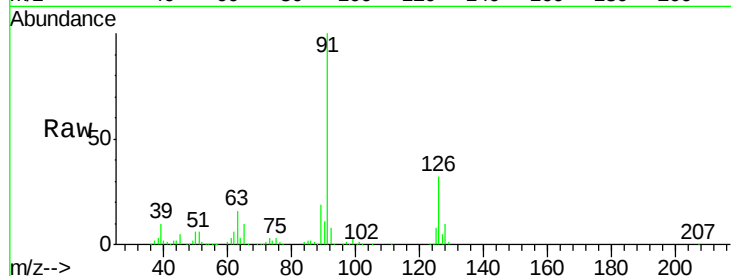
126 31.1 15.7 47.0

Manual Integrations

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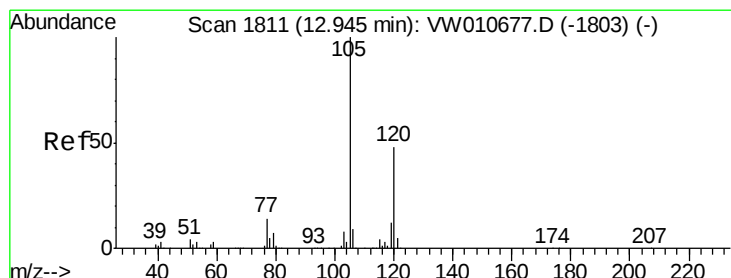
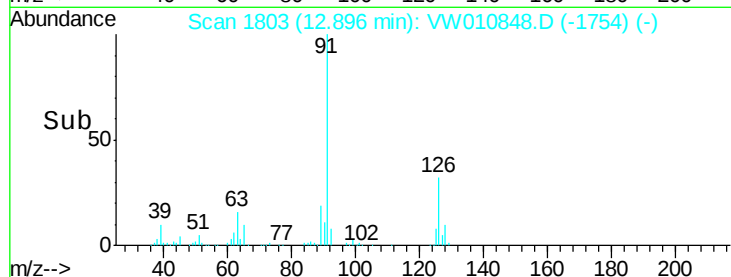
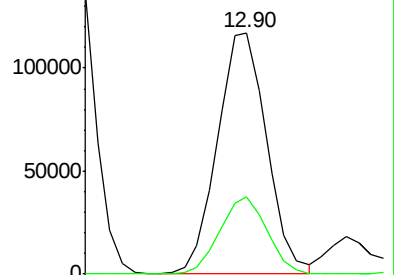
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.352 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010848.D

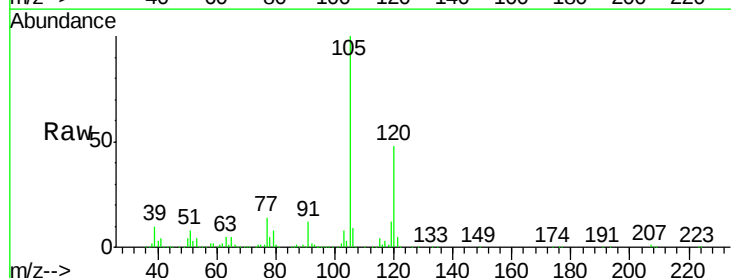
Acq: 19 Jun 2019 14:12

Tgt Ion:105 Resp: 232834

Ion Ratio Lower Upper

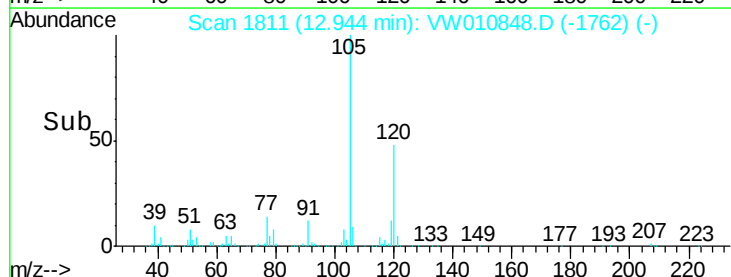
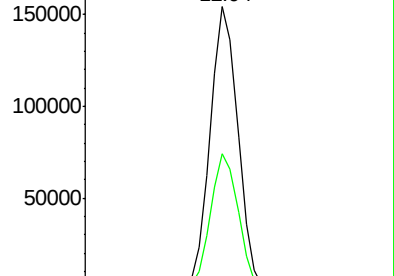
105 100

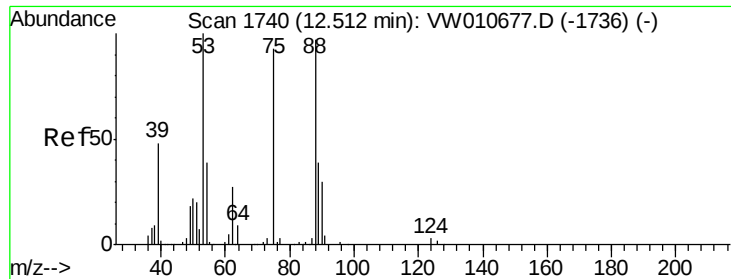
120 48.3 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 17.194 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW010848.D

Acq: 19 Jun 2019 14:12

Instrument :

MSVOA_W

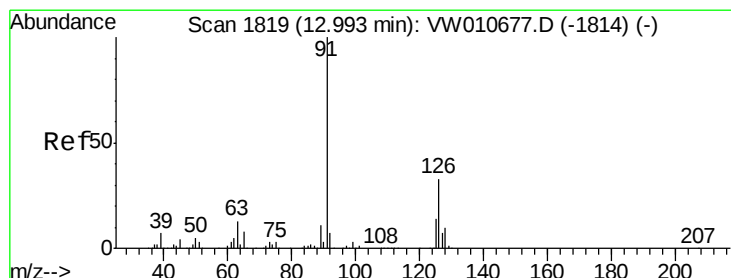
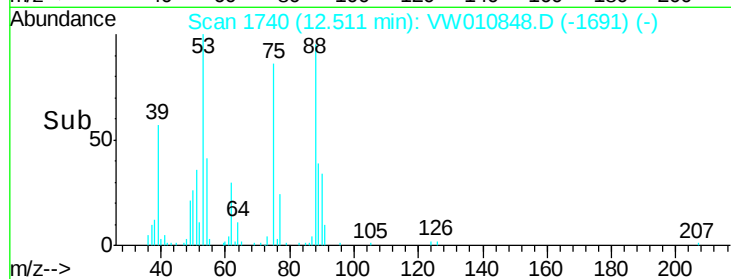
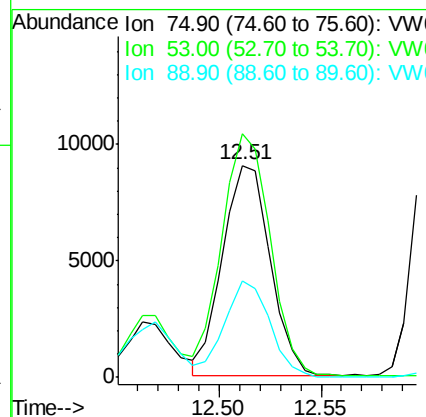
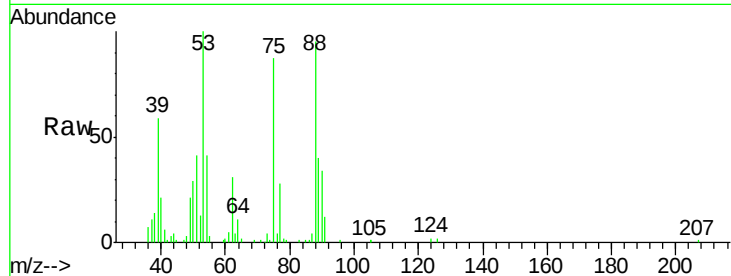
ClientSampleId :

VW0619SBS01

Tot Ion:	75	Resp:	14612
Ion	Ratio	Lower	Upper
75	100		
53	118.0	90.1	135.1
89	44.0	34.6	52.0

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#82

4-Chlorotoluene

Concen: 20.395 ug/l

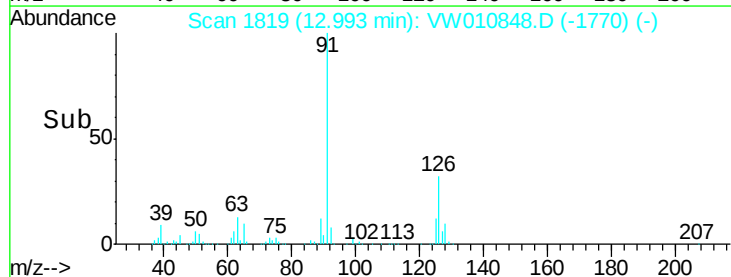
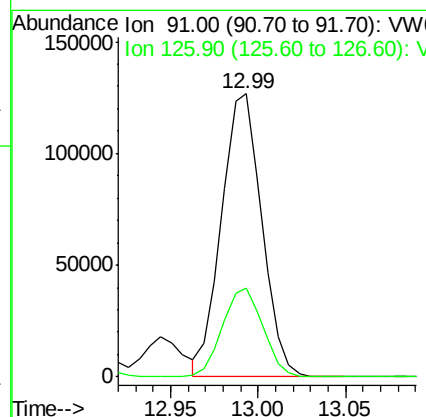
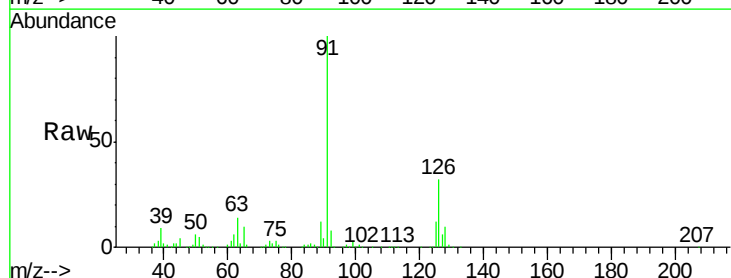
RT: 12.99 min Scan# 1819

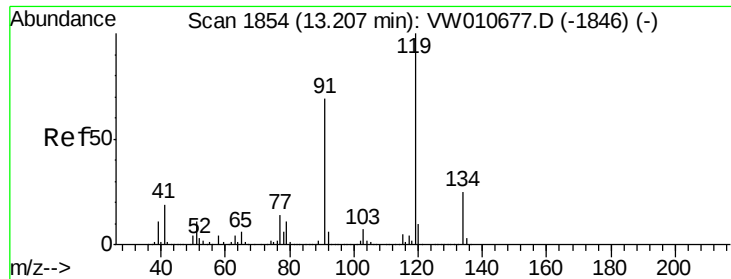
Delta R.T. -0.00 min

Lab File: VW010848.D

Acq: 19 Jun 2019 14:12

Tgt Ion:	91	Resp:	202648
Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.9	47.7





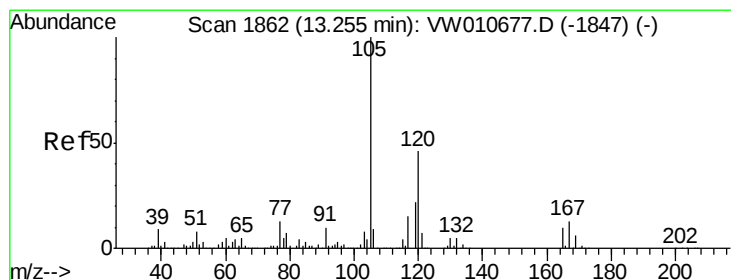
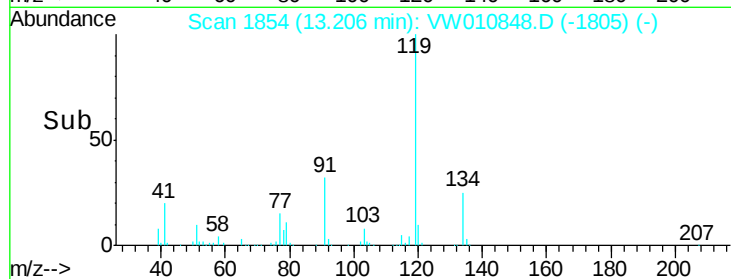
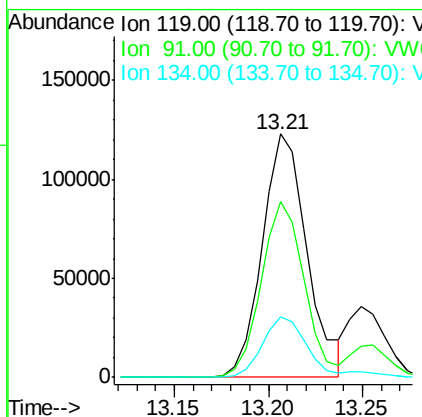
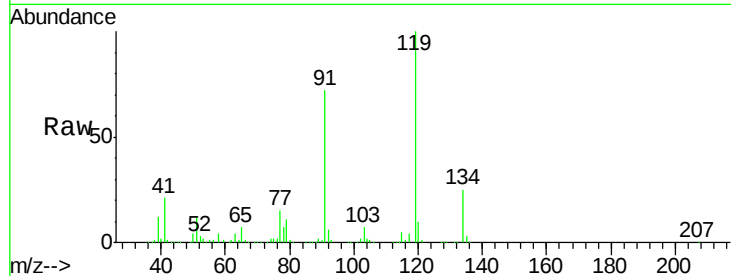
#83
 tert-Butylbenzene
 Concen: 20.892 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW010848.D
 Acq: 19 Jun 2019 14:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0619SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.0	35.1	105.3
134	26.0	13.6	40.7

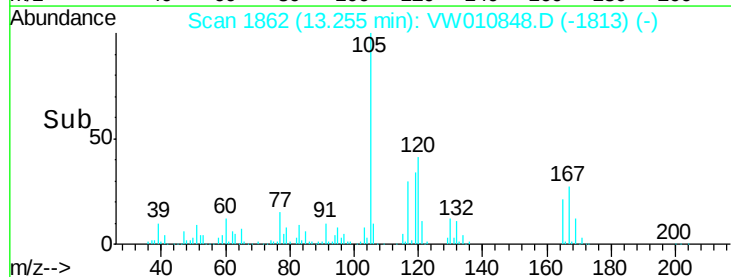
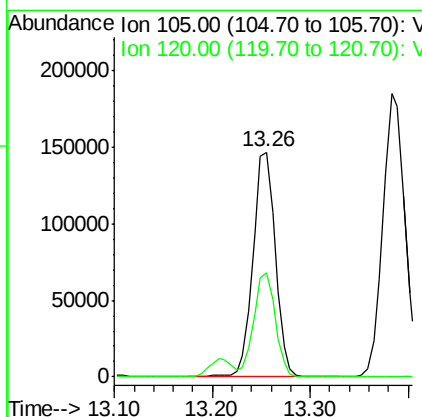
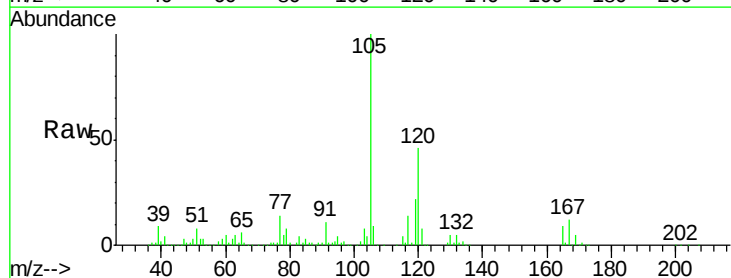
Manual Integrations
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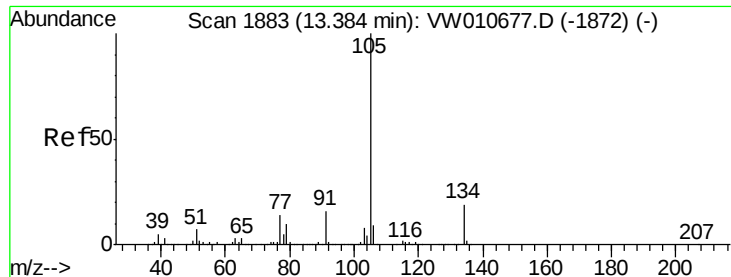
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.321 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW010848.D
 Acq: 19 Jun 2019 14:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.5	67.5





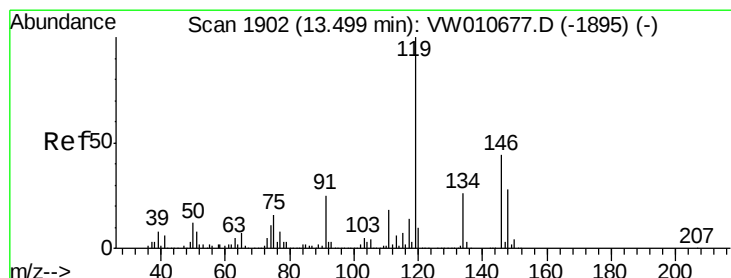
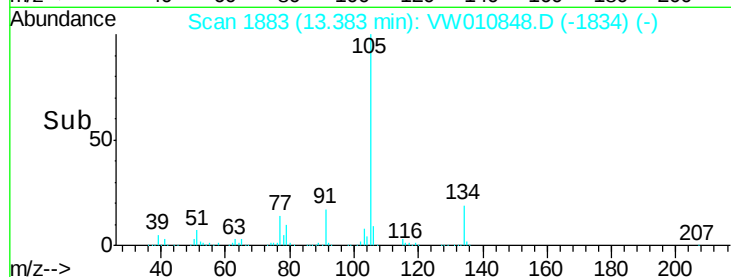
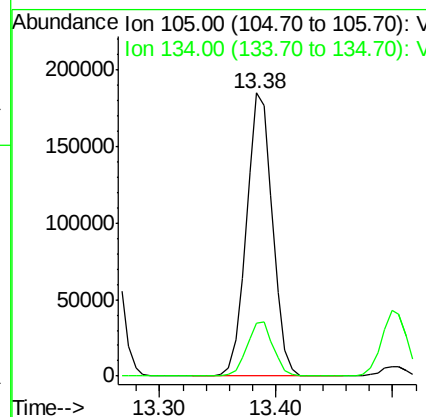
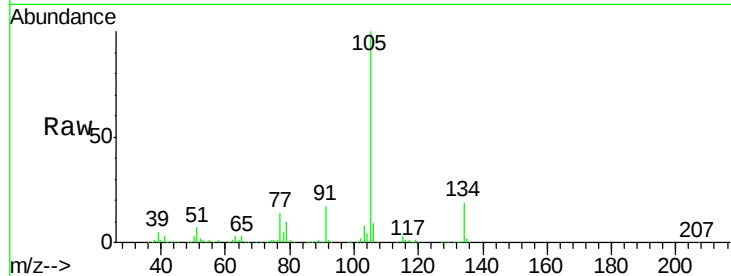
#85
 sec-Butylbenzene
 Concen: 20.309 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW010848.D
 Acq: 19 Jun 2019 14:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0619SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.7	28.9

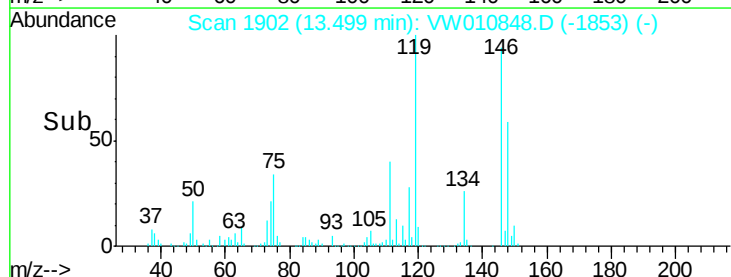
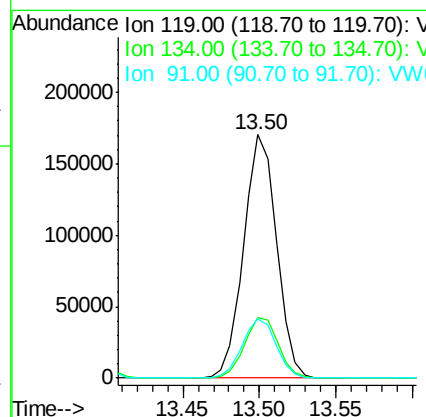
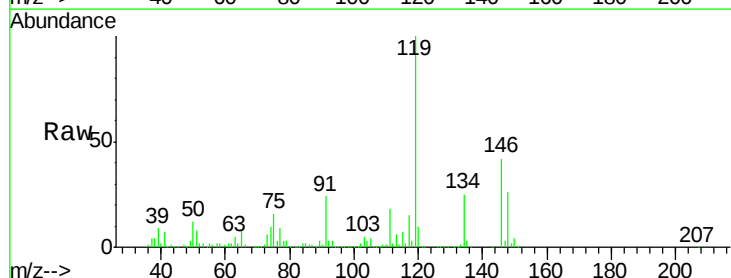
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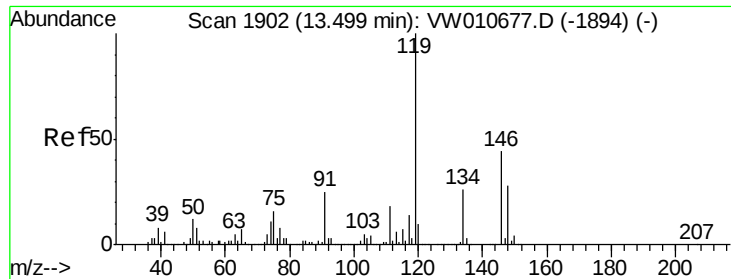
MMDadoda
 6/20/2019 12:00:12 PM



#86
 p-Isopropyltoluene
 Concen: 20.107 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010848.D
 Acq: 19 Jun 2019 14:12

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.6	13.0	39.0
91	24.9	12.2	36.4





#87

1,3-Dichlorobenzene

Concen: 20.255 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010848.D

Acq: 19 Jun 2019 14:12

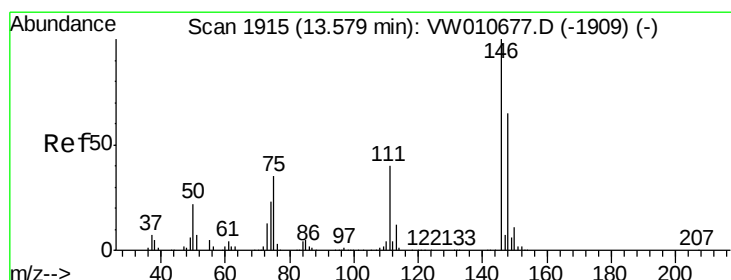
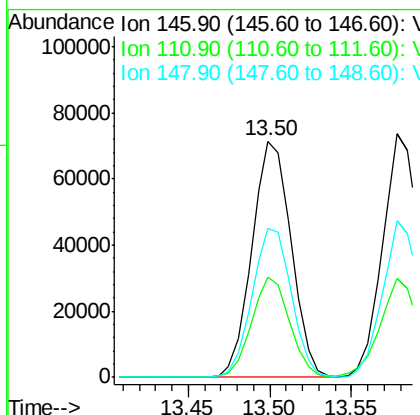
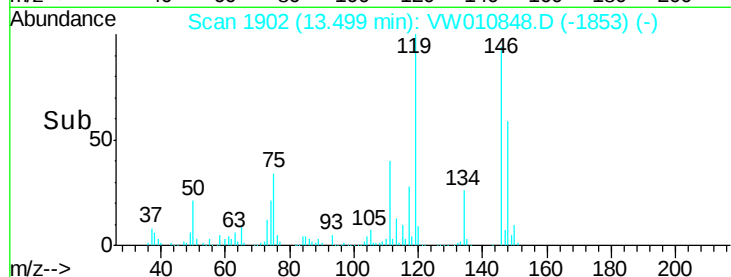
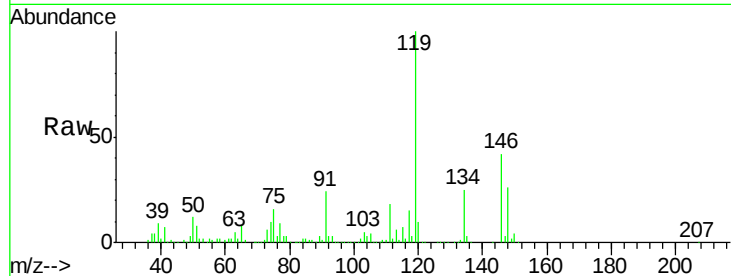
Instrument :
MSVOA_W

ClientSampleId :
VW0619SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	119172		
111	41.2	20.4	61.3	
148	63.1	31.5	94.5	

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#88

1,4-Dichlorobenzene

Concen: 20.100 ug/l

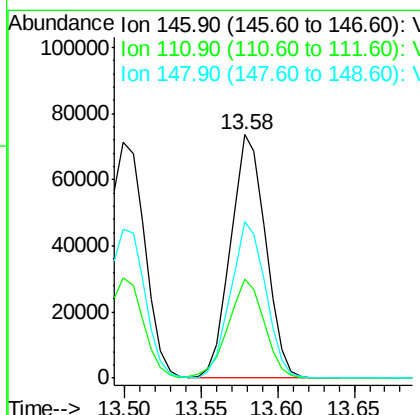
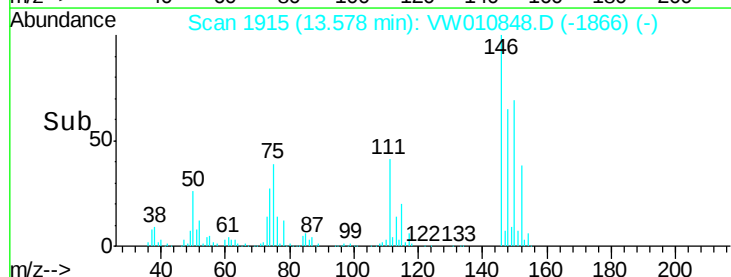
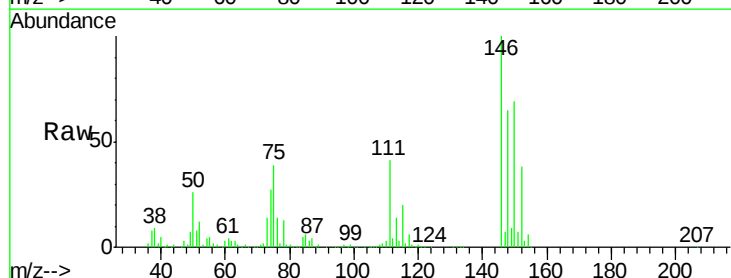
RT: 13.58 min Scan# 1915

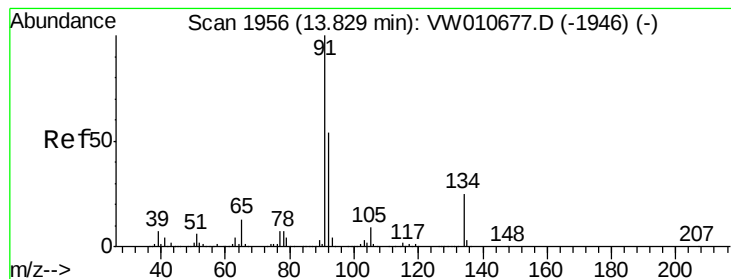
Delta R.T. -0.00 min

Lab File: VW010848.D

Acq: 19 Jun 2019 14:12

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	117240		
111	41.7	20.3	60.9	
148	64.1	32.4	97.2	





#89

n-Butylbenzene

Concen: 20.490 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW010848.D

Acq: 19 Jun 2019 14:12

Instrument :

MSVOA_W

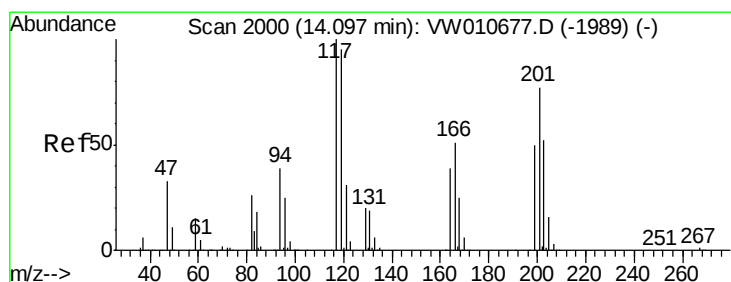
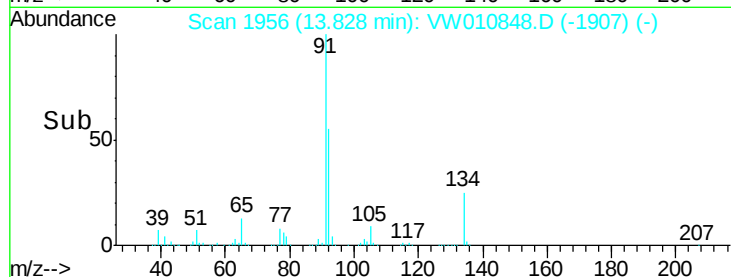
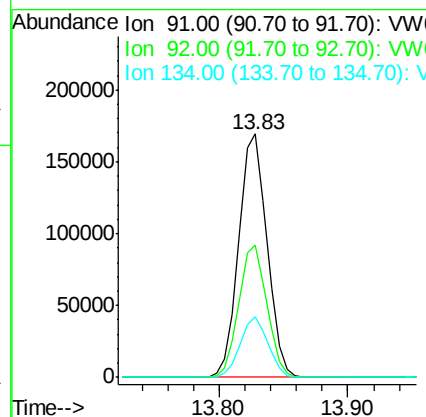
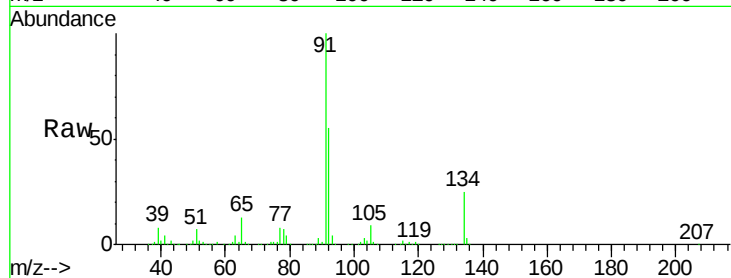
ClientSampleId :

VW0619SBS01

Tot Ion:	91	Resp:	258439
Ion	Ratio	Lower	Upper
91	100		
92	54.1	27.3	81.8
134	24.2	12.3	36.9

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#90

Hexachloroethane

Concen: 20.006 ug/l

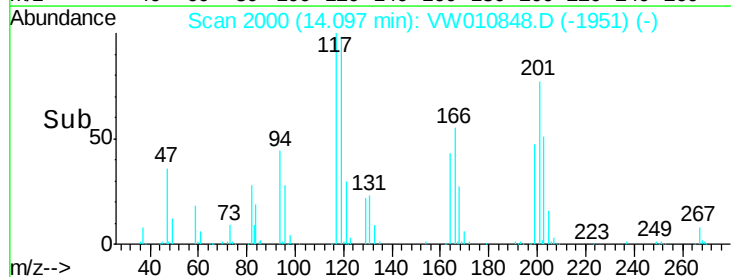
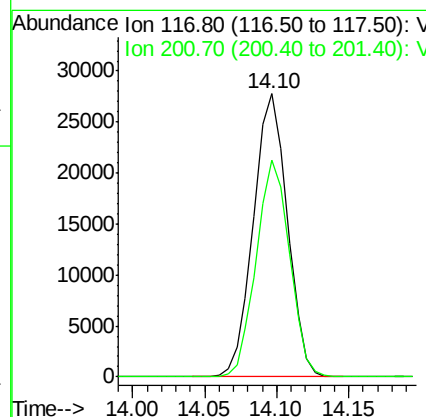
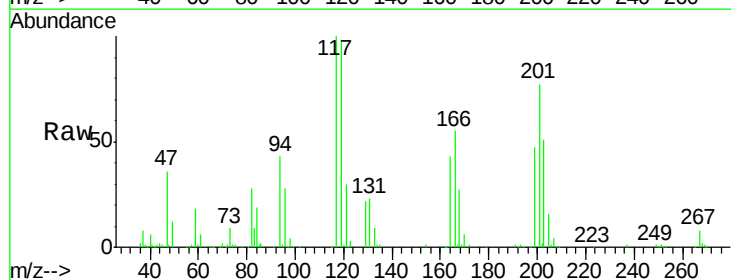
RT: 14.10 min Scan# 2000

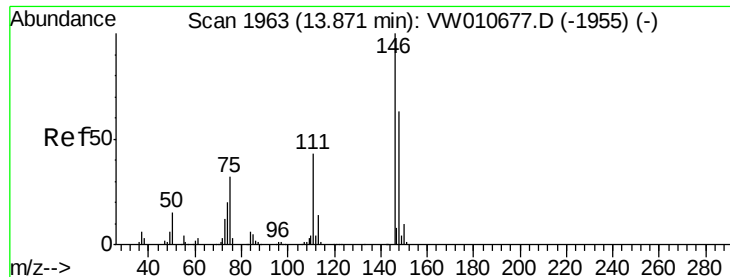
Delta R.T. -0.00 min

Lab File: VW010848.D

Acq: 19 Jun 2019 14:12

Tgt Ion:	117	Resp:	45290
Ion	Ratio	Lower	Upper
117	100		
201	75.1	38.8	116.4





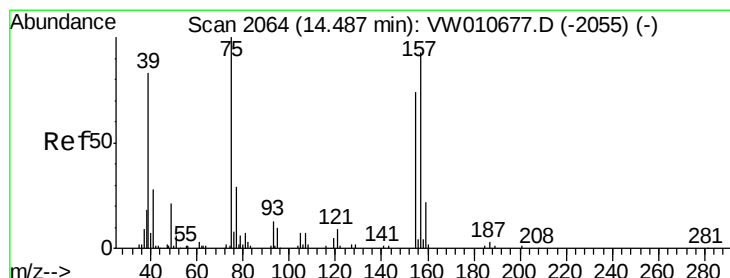
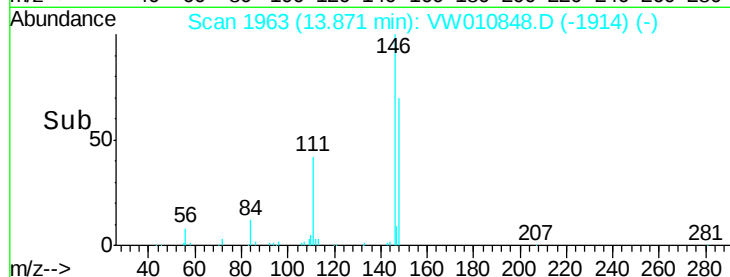
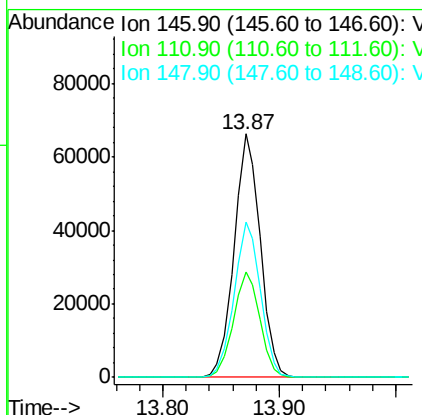
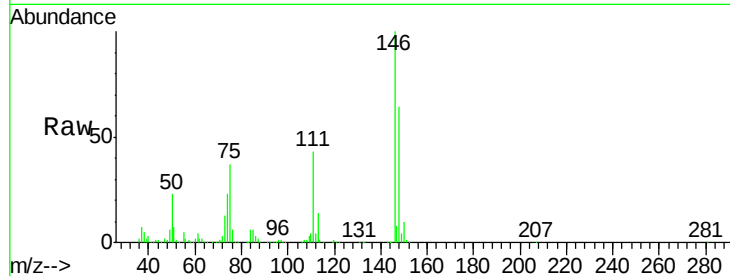
#91
 1,2-Dichlorobenzene
 Concen: 19.647 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010848.D
 Acq: 19 Jun 2019 14:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0619SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.5	64.5
148	64.0	31.9	95.5

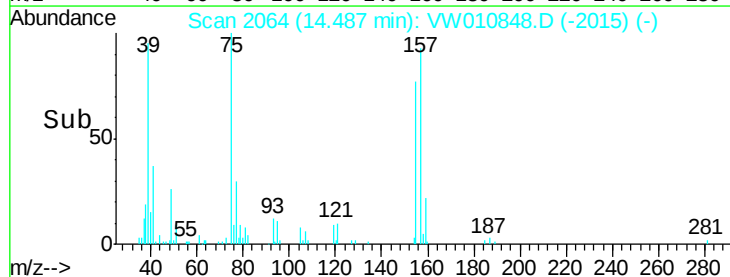
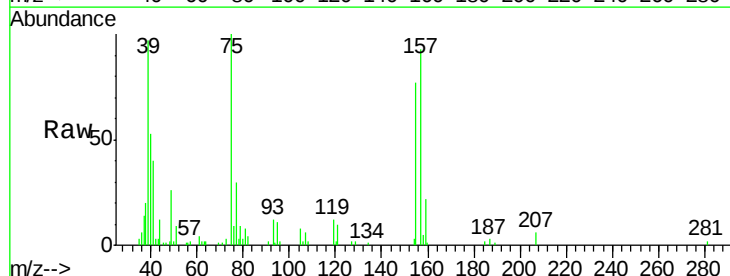
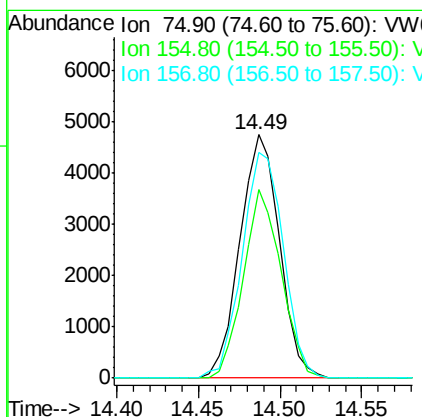
Manual Integrations
 APPROVED

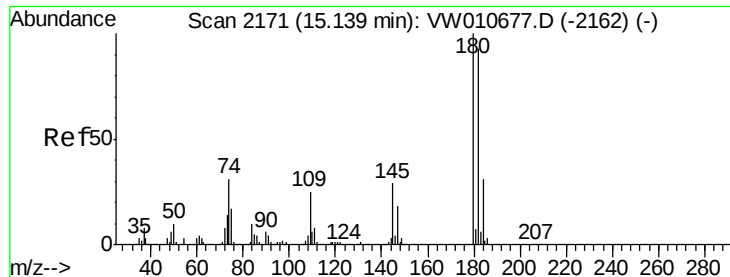
MMDadoda
 6/20/2019 12:00:12 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.574 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW010848.D
 Acq: 19 Jun 2019 14:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.0	38.8	116.4
157	96.7	48.4	145.0





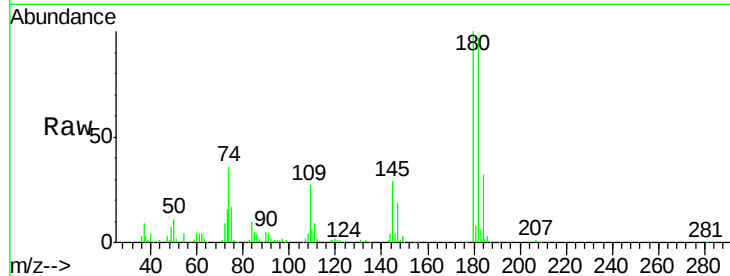
#93
 1,2,4-Trichlorobenzene
 Concen: 19.537 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010848.D
 Acq: 19 Jun 2019 14:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0619SBS01

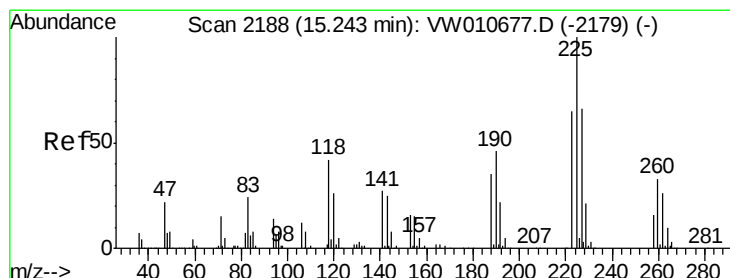
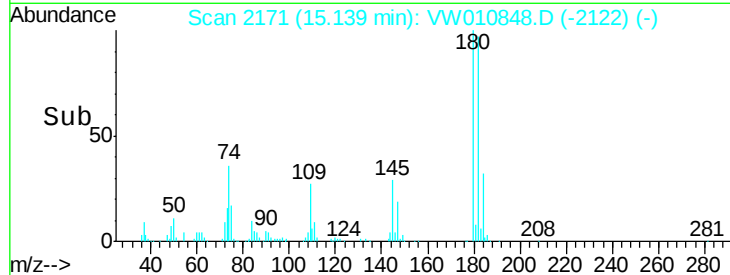
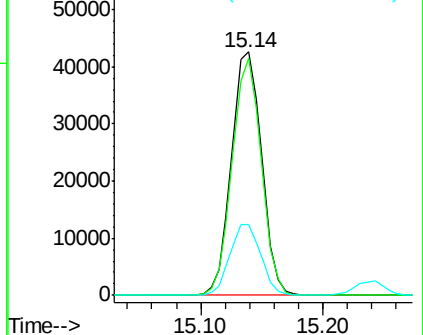
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.1	141.4
145	29.9	15.2	45.5

Manual Integrations
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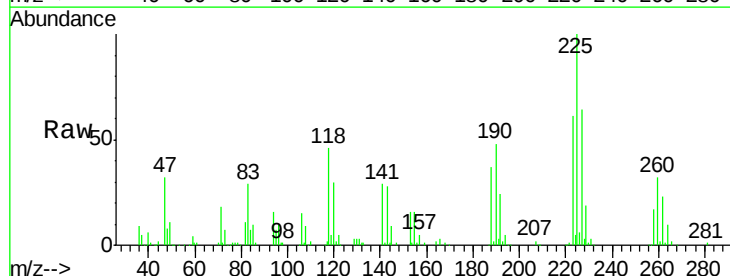


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

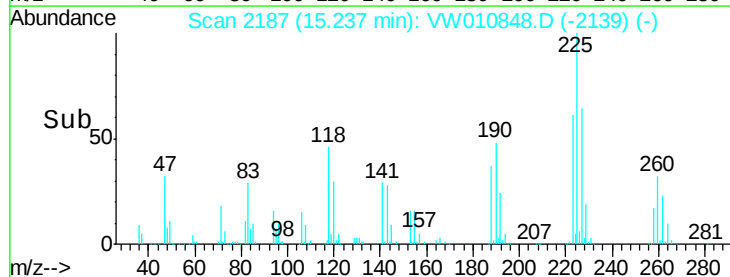
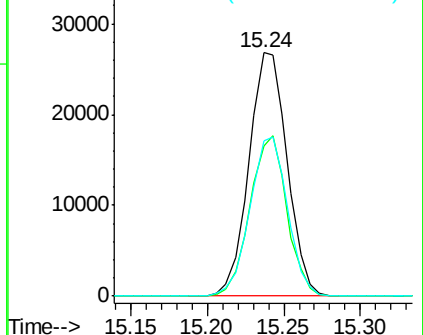


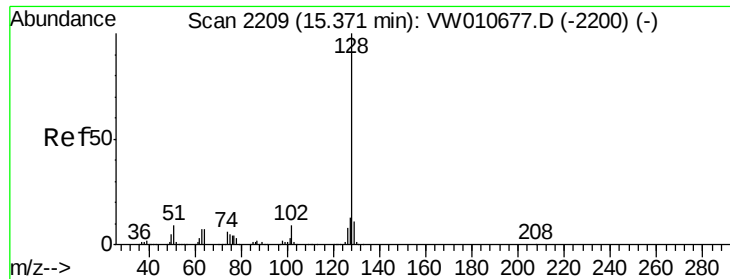
#94
 Hexachlorobutadiene
 Concen: 19.969 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW010848.D
 Acq: 19 Jun 2019 14:12

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	32.2	96.6
227	64.3	32.0	96.0



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





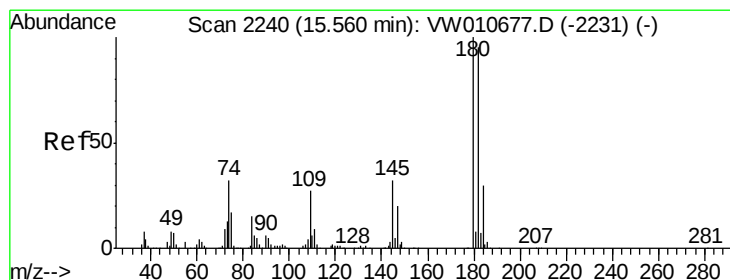
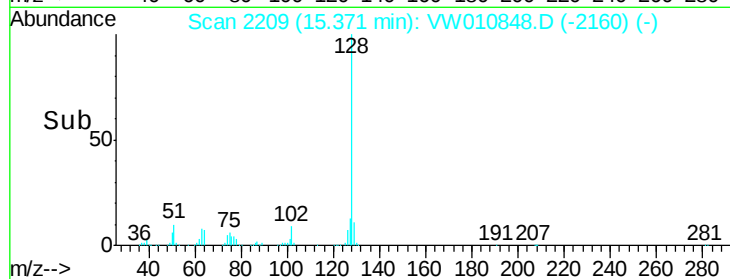
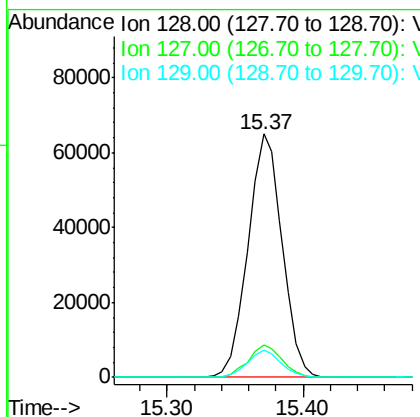
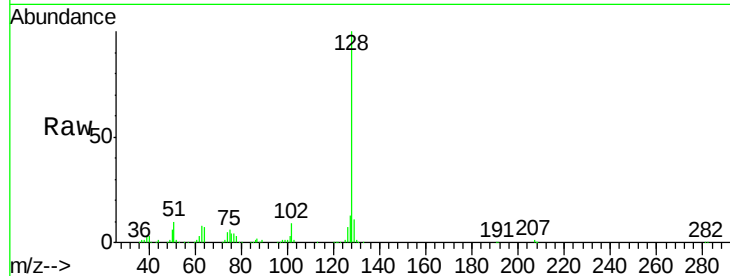
#95
Naphthalene
Concen: 16.952 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010848.D
Acq: 19 Jun 2019 14:12

Instrument :
MSVOA_W
ClientSampleId :
VW0619SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	11.0	8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.345 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010848.D
Acq: 19 Jun 2019 14:12

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.0	141.0
145	32.6	16.1	48.3

