

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060519\
 Data File : VW010684.D
 Acq On : 05 Jun 2019 11:31
 Operator : SY/VA
 Sample : VW0605SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0605SBS01

Manual Integrations
 APPROVED

MMDadoda
 6/6/2019 11:51:39 AM

Quant Time: Jun 05 15:28:09 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	284359	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	463694	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	400091	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	186194	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	173152	51.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.32%	
35) Dibromofluoromethane	7.88	113	138537	55.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.08%	
50) Toluene-d8	10.32	98	596544	54.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.10%	
62) 4-Bromofluorobenzene	12.62	95	209162	52.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	55266	21.032	ug/l	100
3) Chloromethane	2.21	50	76835	19.874	ug/l	98
4) Vinyl Chloride	2.35	62	72841	20.392	ug/l	97
5) Bromomethane	2.76	94	41655	21.236	ug/l	98
6) Chloroethane	2.91	64	43281	20.186	ug/l	99
7) Trichlorofluoromethane	3.25	101	100119	21.592	ug/l	99
8) Diethyl Ether	3.68	74	30939	18.671	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	60234	21.129	ug/l	100
10) Methyl Iodide	4.26	142	44447	18.481	ug/l	100
11) Tert butyl alcohol	5.18	59	19518	71.481	ug/l	98
12) 1,1-Dichloroethene	4.03	96	57282	20.830	ug/l	98
13) Acrolein	3.90	56	10002	89.641	ug/l	99
14) Allyl chloride	4.67	41	127425	21.015	ug/l	98
15) Acrylonitrile	5.37	53	68281	84.820	ug/l	100
16) Acetone	4.13	43	68883	76.701	ug/l	97
17) Carbon Disulfide	4.37	76	182101	20.860	ug/l	100
18) Methyl Acetate	4.67	43	33680	17.422	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	147740	18.628	ug/l	99
20) Methylene Chloride	4.92	84	62740	19.914	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	65126	20.862	ug/l	99
22) Diisopropyl ether	6.31	45	244850	20.170	ug/l	99
23) Vinyl Acetate	6.25	43	687742	93.878	ug/l	100
24) 1,1-Dichloroethane	6.21	63	126521	20.798	ug/l	99
25) 2-Butanone	7.17	43	100999	81.104	ug/l	99
26) 2,2-Dichloropropane	7.16	77	108938	22.006	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	69818	20.322	ug/l	99
28) Bromochloromethane	7.51	49	55896	20.589	ug/l	98
29) Tetrahydrofuran	7.53	42	63053	80.498	ug/l	99
30) Chloroform	7.67	83	115304	20.722	ug/l	99
31) Cyclohexane	7.95	56	141278	20.891	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	102902	21.170	ug/l	99
36) 1,1-Dichloropropene	8.08	75	101596	21.405	ug/l	99
37) Ethyl Acetate	7.25	43	42574	16.187	ug/l	100
38) Carbon Tetrachloride	8.07	117	88703	21.649	ug/l	98

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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	126455	20.958	ug/l	99
40) Benzene	8.32	78	267686	20.673	ug/l	99
41) Methacrylonitrile	7.49	41	29624	18.949	ug/l	94
42) 1,2-Dichloroethane	8.40	62	82008	19.955	ug/l	100
43) Isopropyl Acetate	8.42	43	87966	17.311	ug/l	98
44) Trichloroethene	9.09	130	66181	20.720	ug/l	97
45) 1,2-Dichloropropane	9.37	63	69546	20.290	ug/l	99
46) Dibromomethane	9.46	93	30305	19.035	ug/l	99
47) Bromodichloromethane	9.64	83	83579	20.252	ug/l	98
48) Methyl methacrylate	9.44	41	42387	17.301	ug/l	99
49) 1,4-Dioxane	9.46	88	7329	294.443	ug/l #	77
51) 4-Methyl-2-Pentanone	10.21	43	217187	83.664	ug/l	100
52) Toluene	10.39	92	164051	20.591	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	85834	19.636	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	103537	20.129	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	42909	18.709	ug/l	99
56) Ethyl methacrylate	10.65	69	62411	17.685	ug/l	97
57) 1,3-Dichloropropane	10.93	76	82274	19.035	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	177325	95.931	ug/l	100
59) 2-Hexanone	10.97	43	151814	80.918	ug/l	99
60) Dibromochloromethane	11.13	129	48997	19.272	ug/l	99
61) 1,2-Dibromoethane	11.24	107	39752	18.293	ug/l	100
64) Tetrachloroethene	10.86	164	54826	20.639	ug/l	94
65) Chlorobenzene	11.66	112	164132	20.861	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	55959	20.546	ug/l	99
67) Ethyl Benzene	11.73	91	320595	21.202	ug/l	100
68) m/p-Xylenes	11.84	106	228024	42.127	ug/l	99
69) o-Xylene	12.16	106	106254	20.698	ug/l	97
70) Styrene	12.18	104	183771	20.607	ug/l	99
71) Bromoform	12.35	173	26210	18.608	ug/l #	100
73) Isopropylbenzene	12.46	105	303087	21.662	ug/l	99
74) N-amyl acetate	12.27	43	79646	17.613	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	48471	18.197	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	35041m	17.921	ug/l	
77) Bromobenzene	12.75	156	63670	20.847	ug/l	98
78) n-propylbenzene	12.80	91	365755	21.679	ug/l	100
79) 2-Chlorotoluene	12.90	91	206543	21.428	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	244978	21.391	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	15362	18.057	ug/l	97
82) 4-Chlorotoluene	12.99	91	211515	21.264	ug/l	99
83) tert-Butylbenzene	13.21	119	209386	21.543	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	245145	21.272	ug/l	99
85) sec-Butylbenzene	13.38	105	304765	21.536	ug/l	100
86) p-Isopropyltoluene	13.50	119	268777	21.239	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	123759	21.012	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	120377	20.616	ug/l	99
89) n-Butylbenzene	13.82	91	269520	21.346	ug/l	100
90) Hexachloroethane	14.10	117	48474	21.389	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	106130	20.037	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7880	17.228	ug/l	98

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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	73818	19.860	ug/l	98
94) Hexachlorobutadiene	15.24	225	50127	21.488	ug/l	96
95) Naphthalene	15.37	128	118955	17.614	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	61336	19.403	ug/l	100

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

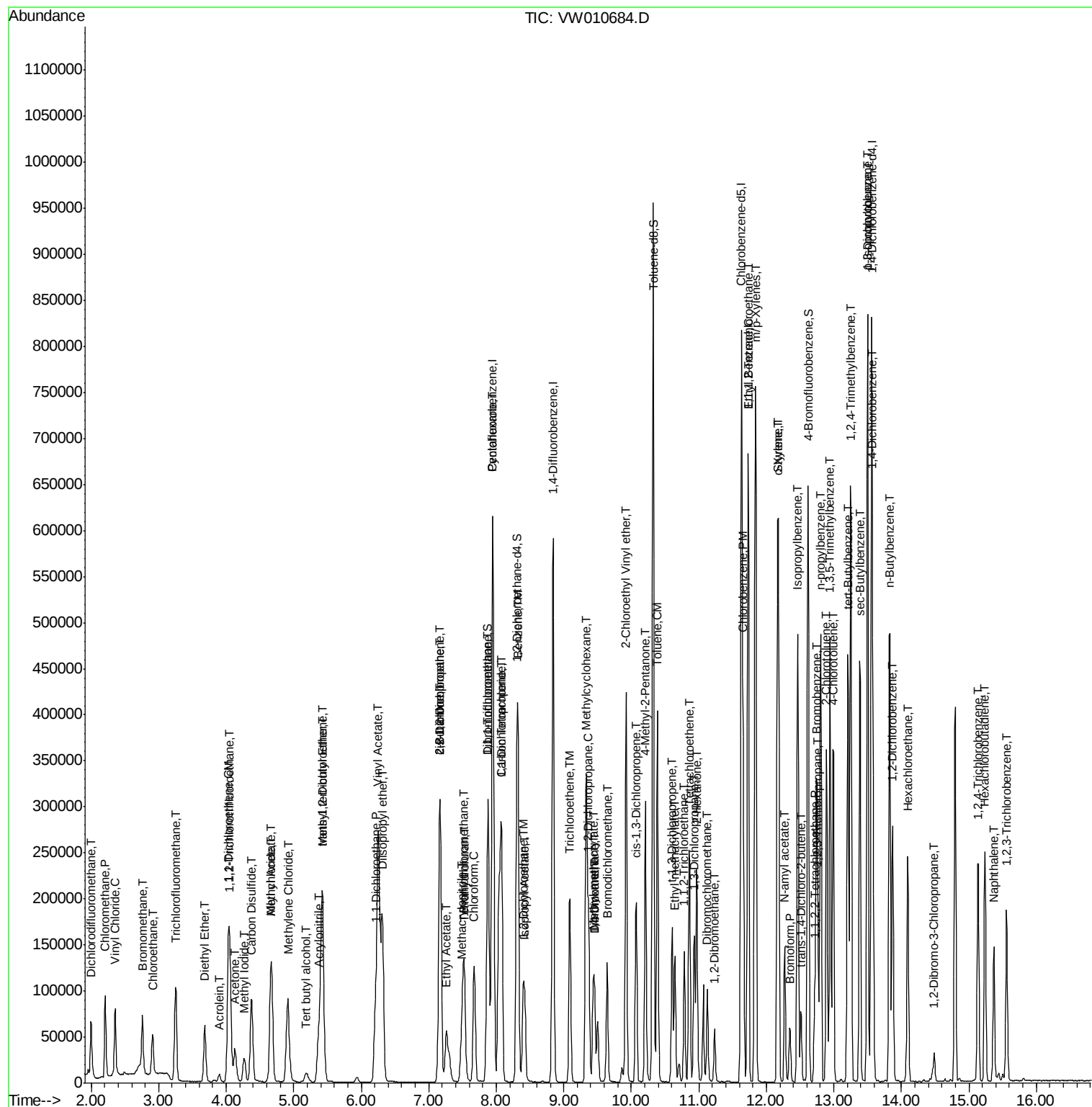
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW060519\
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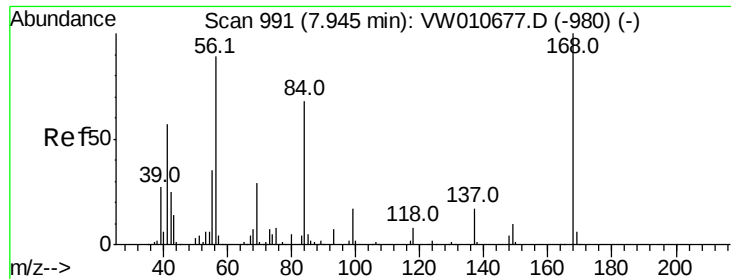
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0605SBS01

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW010684.D

Acq: 05 Jun 2019 11:31

Instrument :

MSVOA_W

ClientSampled :

VW0605SBS01

Tot Ion:168 Resp: 284359

Ion Ratio Lower Upper

168 100

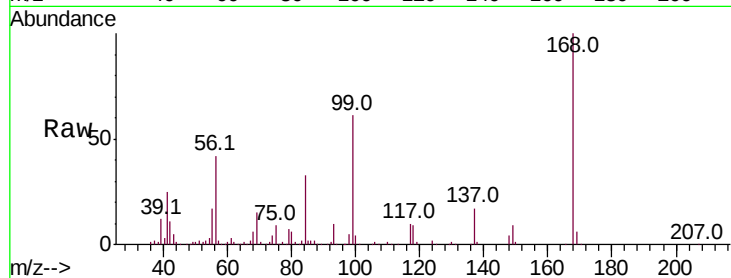
99 61.0 47.7 71.5

Manual Integrations

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6/6/2019 11:51:39 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

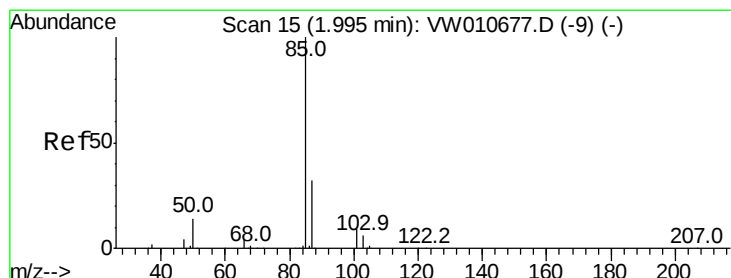
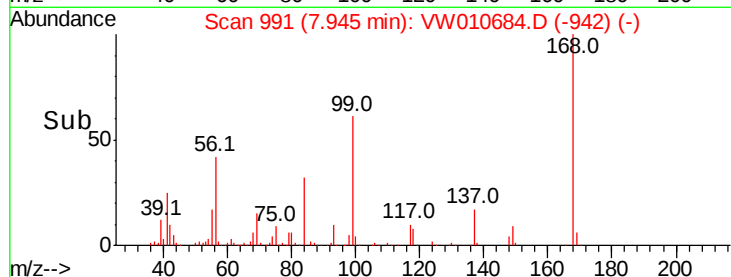
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.032 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.00 min

Lab File: VW010684.D

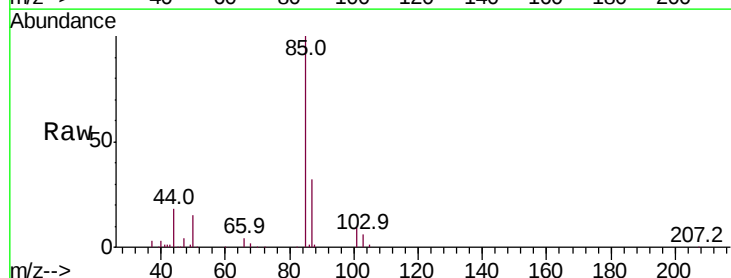
Acq: 05 Jun 2019 11:31

Tgt Ion: 85 Resp: 55266

Ion Ratio Lower Upper

85 100

87 32.2 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

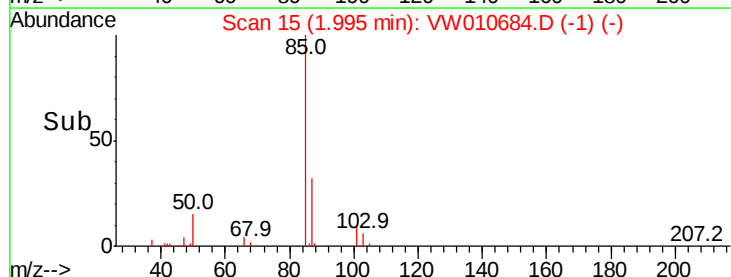
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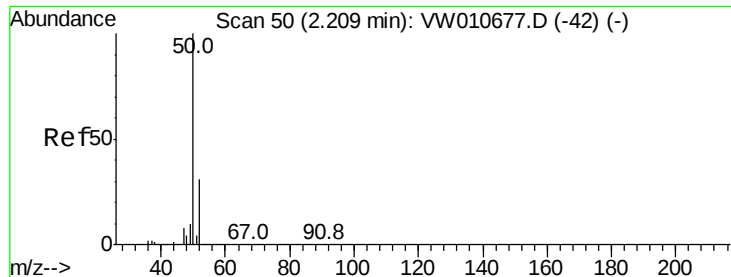
20000

10000

0

Time-->





#3

Chloromethane

Concen: 19.874 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW010684.D

Acq: 05 Jun 2019 11:31

Instrument :

MSVOA_W

ClientSampleId :

VW0605SBS01

Tot Ion: 50 Resp: 76835

Ion Ratio Lower Upper

50 100

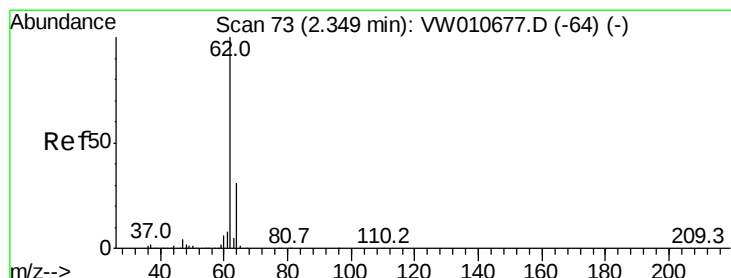
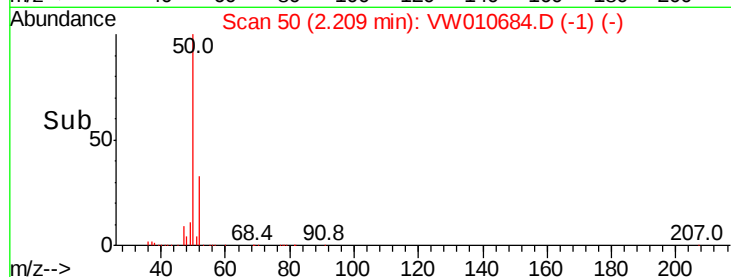
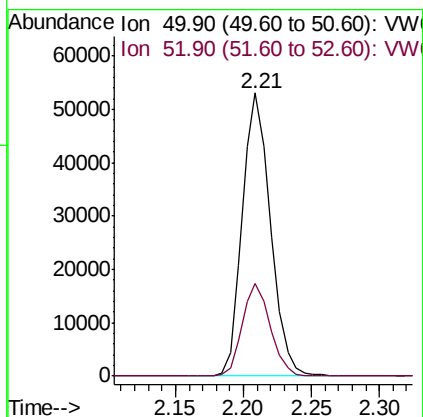
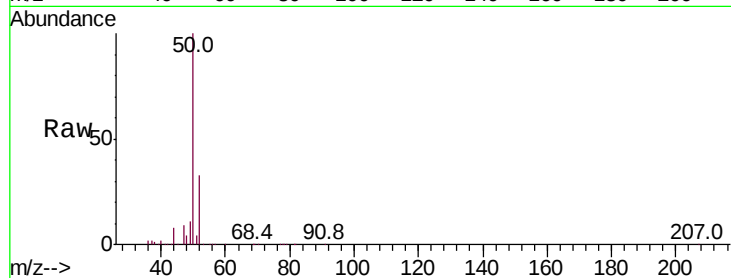
52 32.6 25.2 37.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.392 ug/l

RT: 2.35 min Scan# 74

Delta R.T. 0.01 min

Lab File: VW010684.D

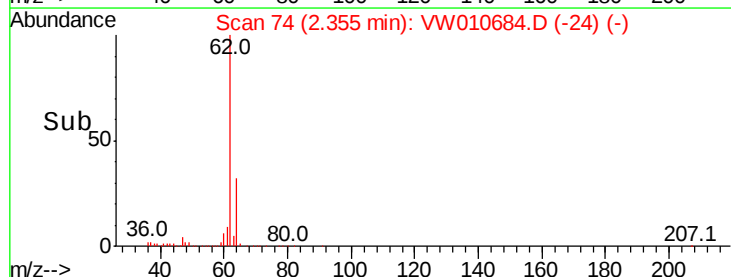
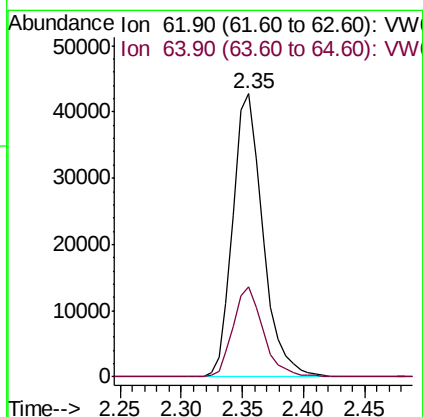
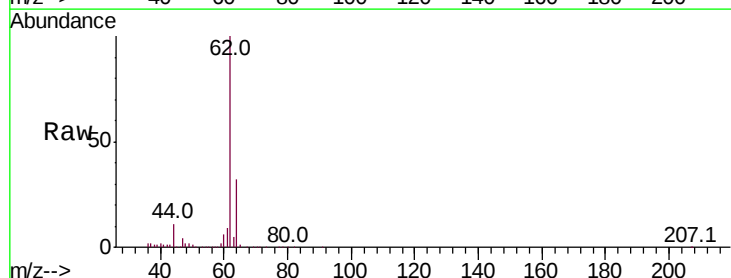
Acq: 05 Jun 2019 11:31

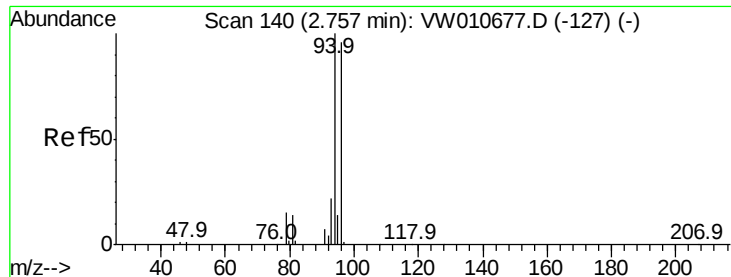
Tgt Ion: 62 Resp: 72841

Ion Ratio Lower Upper

62 100

64 32.0 24.5 36.7





#5

Bromomethane

Concen: 21.236 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.00 min

Lab File: VW010684.D

Acq: 05 Jun 2019 11:31

Instrument :

MSVOA_W

ClientSampled :

VW0605SBS01

Tot Ion: 94 Resp: 41655

Ion Ratio Lower Upper

94 100

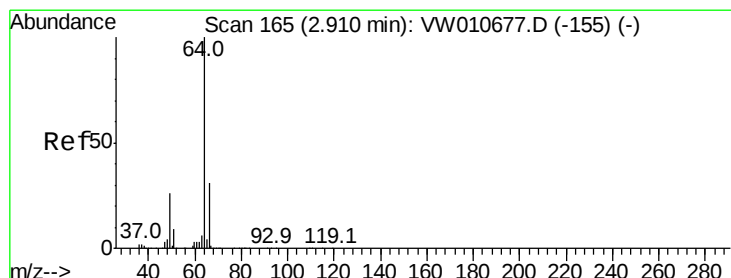
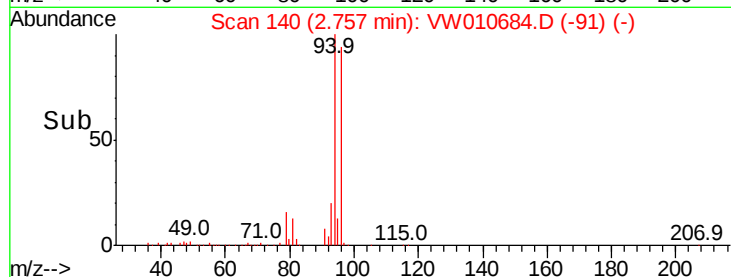
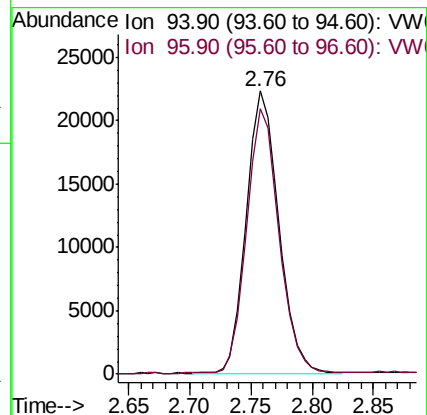
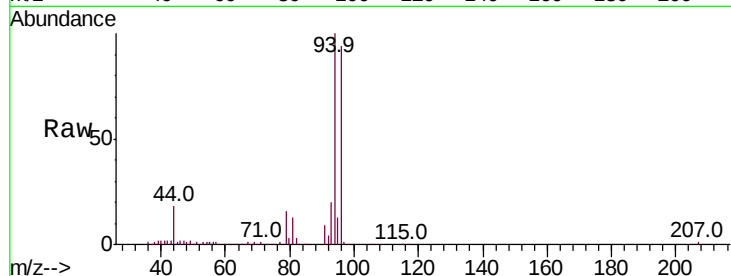
96 93.5 76.5 114.7

Manual Integrations

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#6

Chloroethane

Concen: 20.186 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.00 min

Lab File: VW010684.D

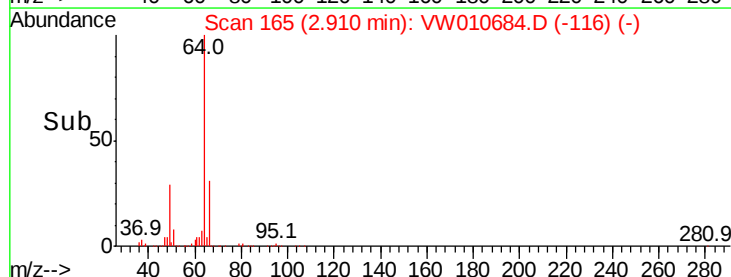
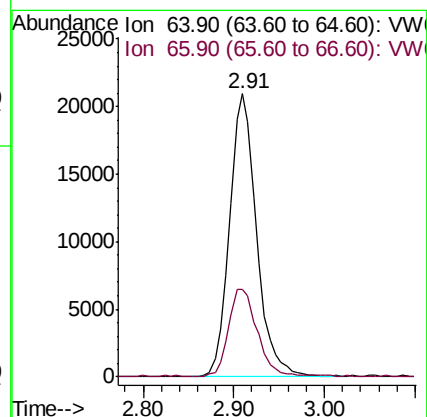
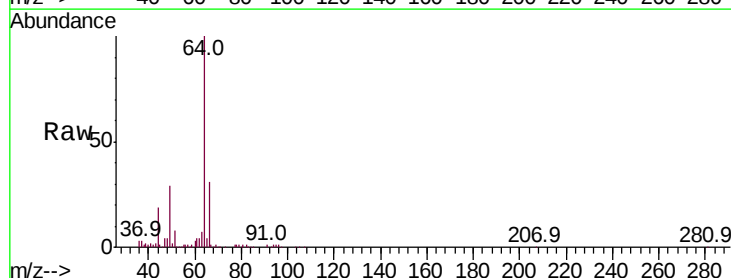
Acq: 05 Jun 2019 11:31

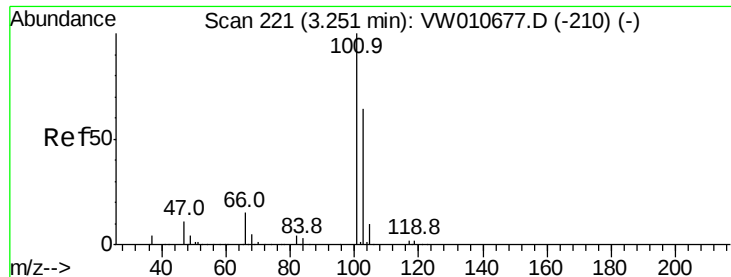
Tgt Ion: 64 Resp: 43281

Ion Ratio Lower Upper

64 100

66 30.8 25.1 37.7





#7

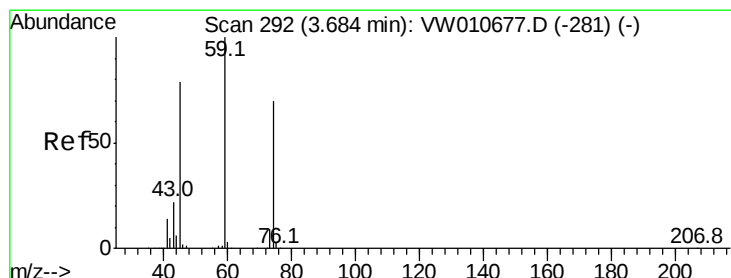
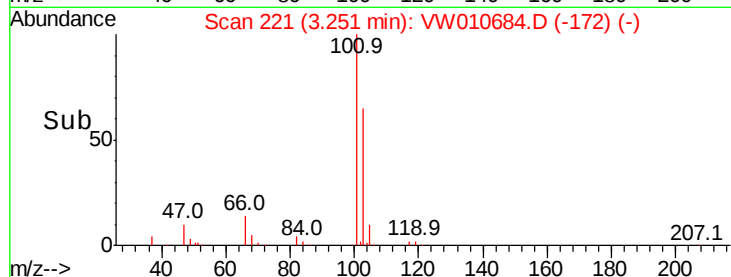
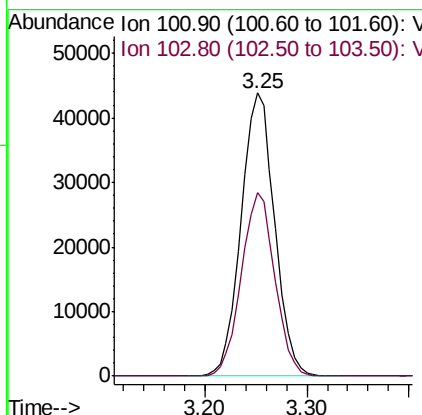
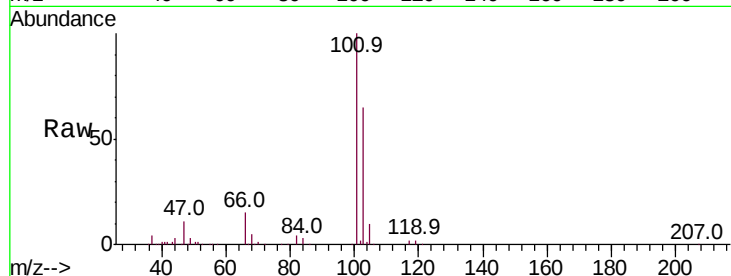
Trichlorofluoromethane
 Concen: 21.592 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW010684.D
 Acq: 05 Jun 2019 11:31

Instrument :
 MSVOA_W
 ClientSampled :
 VW0605SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	51.2	76.8

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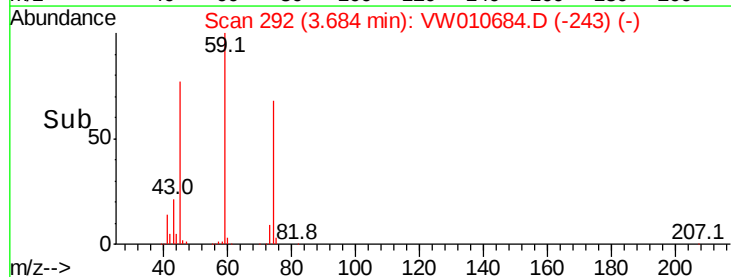
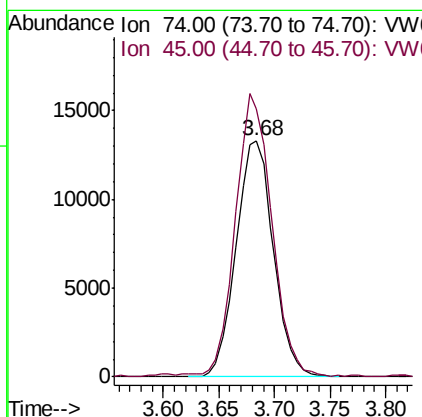
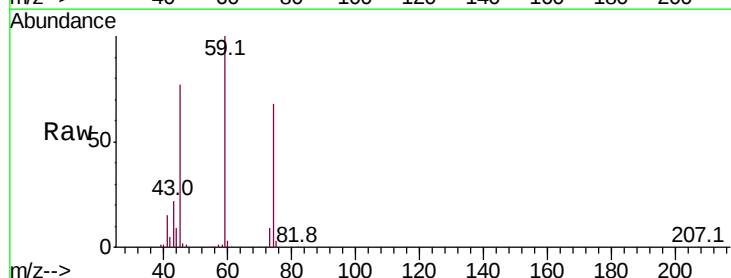
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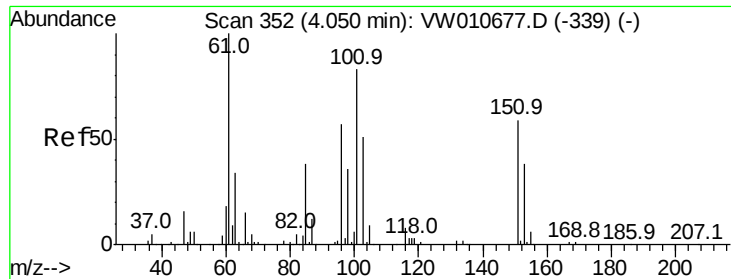


#8

Diethyl Ether
 Concen: 18.671 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VW010684.D
 Acq: 05 Jun 2019 11:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	117.4	56.9	170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.129 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW010684.D

Acq: 05 Jun 2019 11:31

Instrument :

MSVOA_W

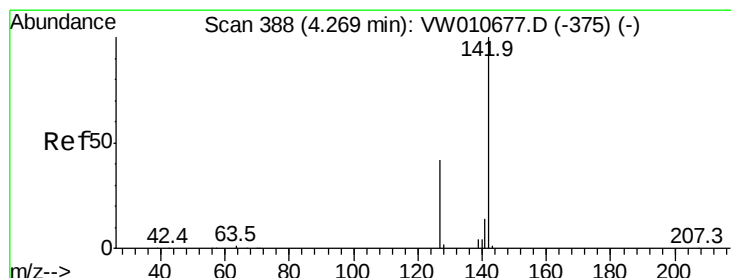
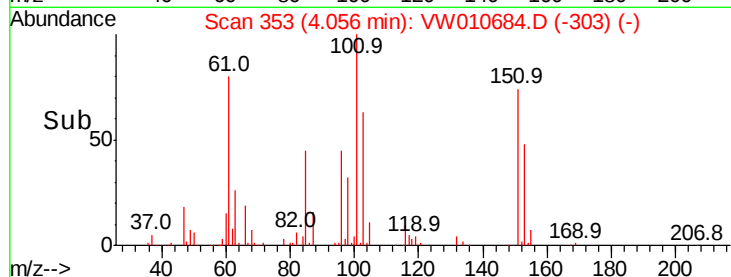
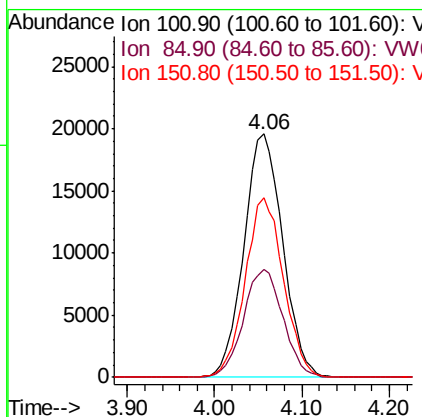
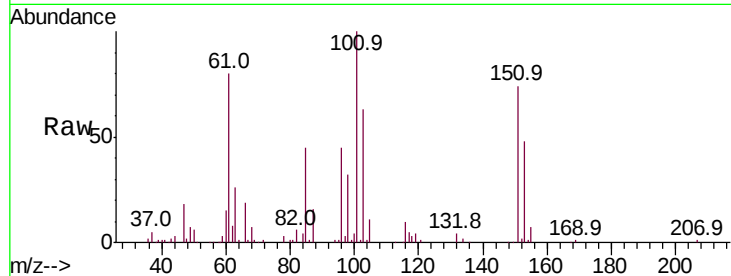
ClientSampleId :

VW0605SBS01

Tot Ion:	101	Resp:	60234
Ion Ratio	Lower	Upper	
101	100		
85	45.2	35.8	53.8
151	72.8	58.1	87.1

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#10

Methyl Iodide

Concen: 18.481 ug/l

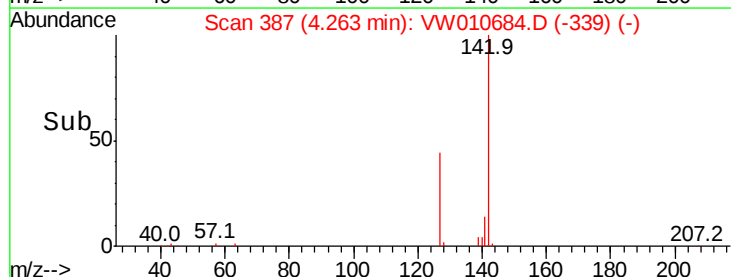
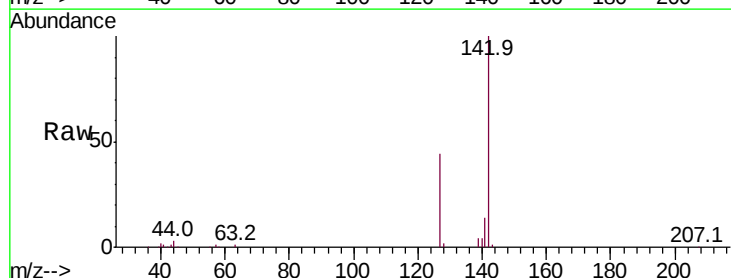
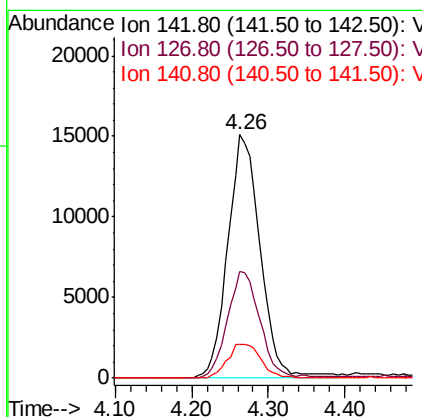
RT: 4.26 min Scan# 387

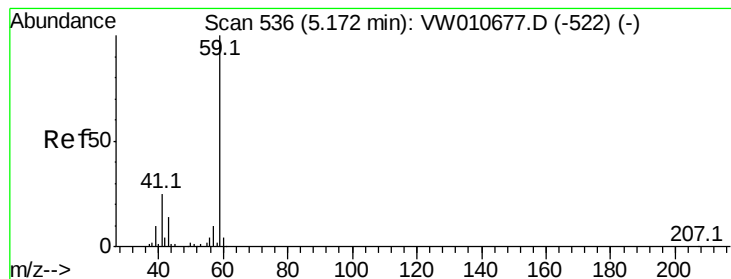
Delta R.T. -0.01 min

Lab File: VW010684.D

Acq: 05 Jun 2019 11:31

Tgt Ion:	142	Resp:	44447
Ion Ratio	Lower	Upper	
142	100		
127	43.3	34.6	51.8
141	14.4	11.6	17.4





#11

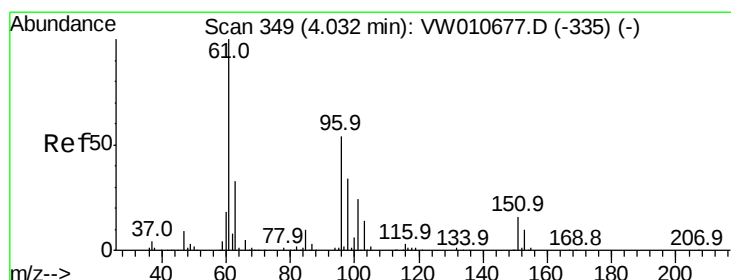
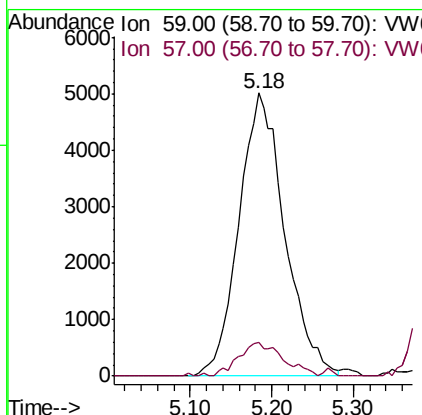
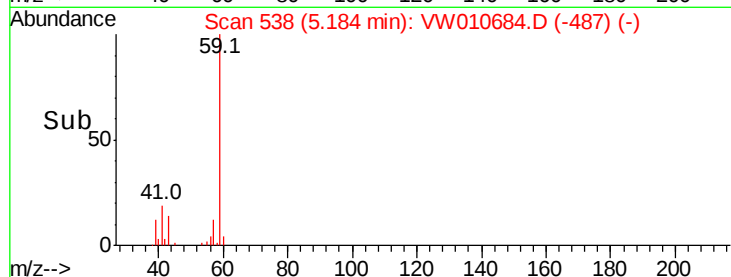
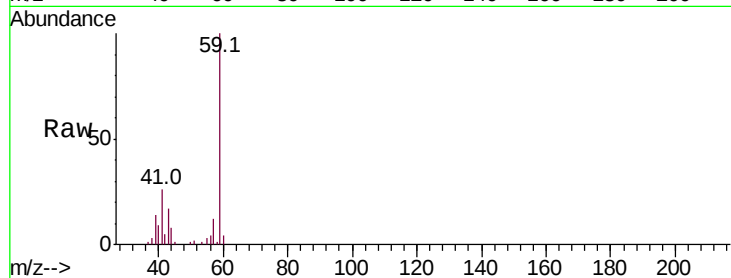
Tert butyl alcohol
Concen: 71.481 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.01 min
Lab File: VW010684.D
Acq: 05 Jun 2019 11:31

Instrument :
MSVOA_W
ClientSampleId :
VW0605SBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	19518		
57	11.5		8.6	12.8

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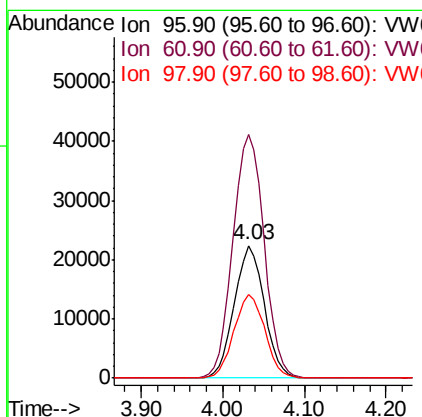
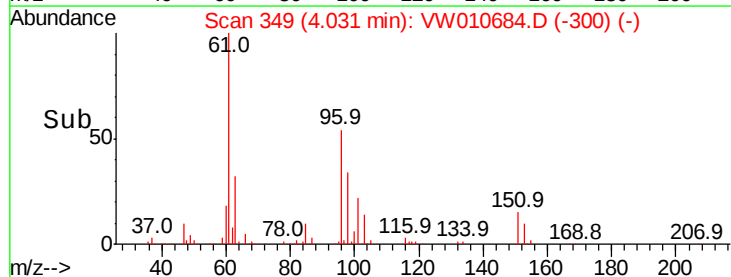
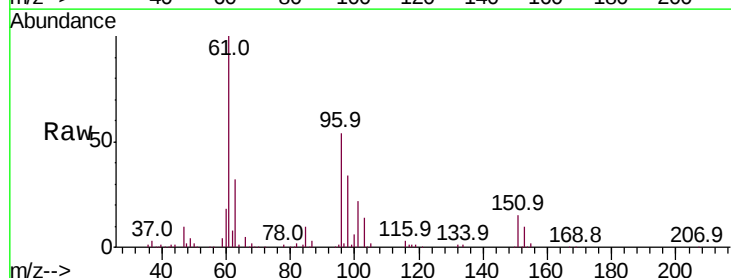
MMDadoda
6/6/2019 11:51:39 AM

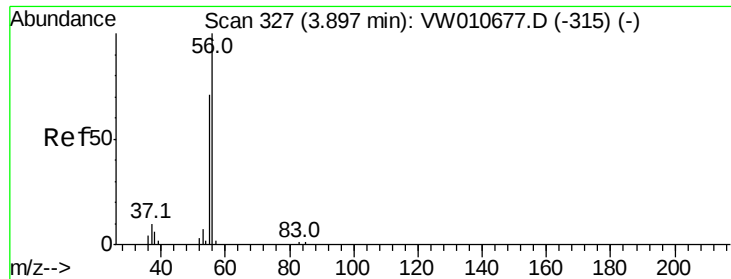


#12

1,1-Dichloroethene
Concen: 20.830 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW010684.D
Acq: 05 Jun 2019 11:31

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	57282		
61	183.7		149.1	223.7
98	63.1		51.1	76.7





#13

Acrolein

Concen: 89.641 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.00 min

Lab File: VW010684.D

Acq: 05 Jun 2019 11:31

Instrument :

MSVOA_W

ClientSampleId :

VW0605SBS01

Tot Ion: 56 Resp: 10002

Ion Ratio Lower Upper

56 100

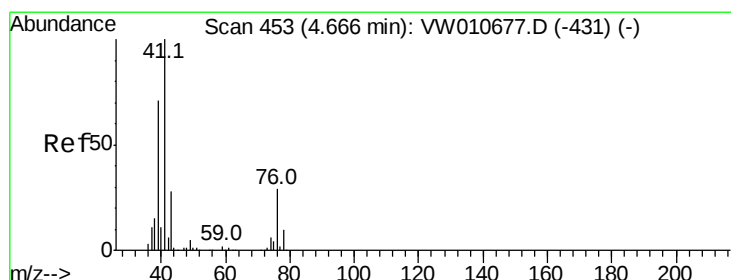
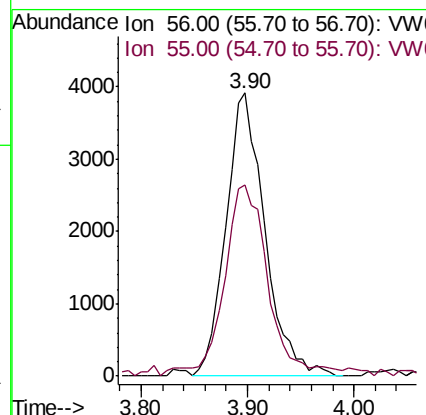
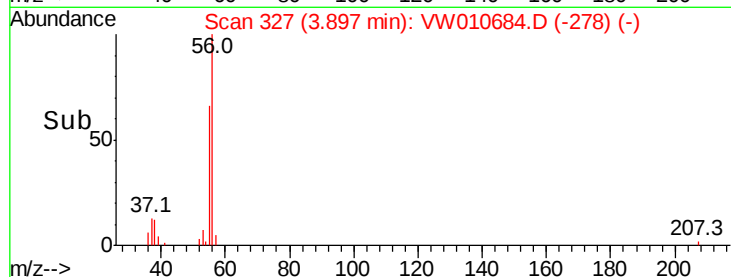
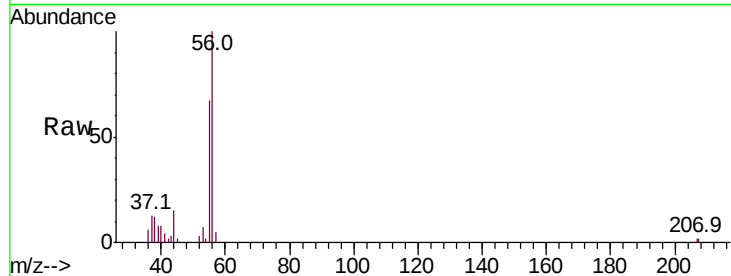
55 70.9 57.6 86.4

Manual Integrations

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#14

Allyl chloride

Concen: 21.015 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW010684.D

Acq: 05 Jun 2019 11:31

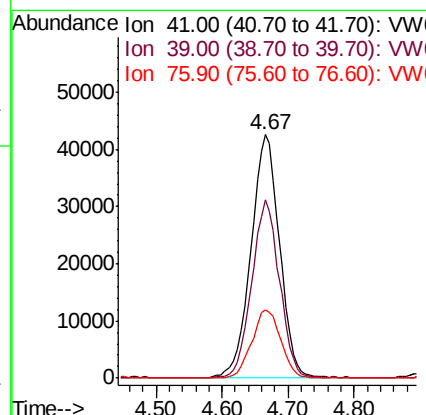
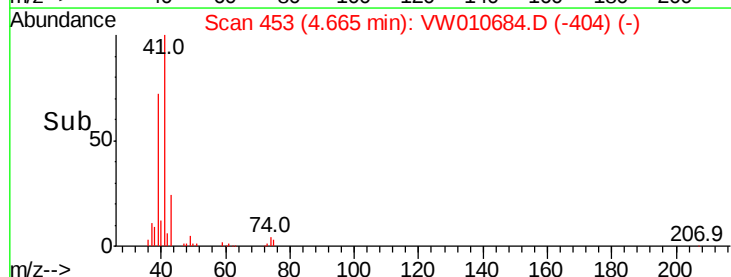
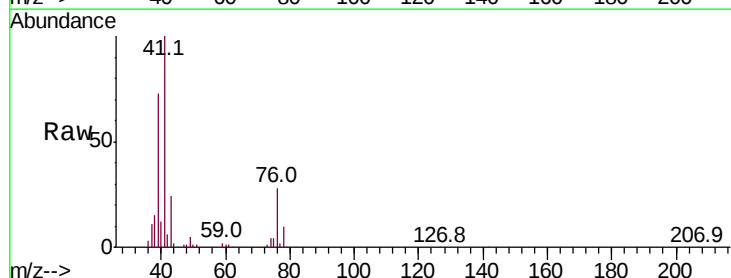
Tgt Ion: 41 Resp: 127425

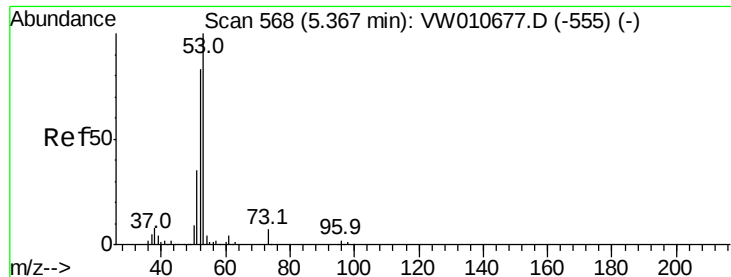
Ion Ratio Lower Upper

41 100

39 71.6 55.8 83.6

76 28.5 22.7 34.1





#15

Acrylonitrile

Concen: 84.820 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW010684.D

Acq: 05 Jun 2019 11:31

Instrument :

MSVOA_W

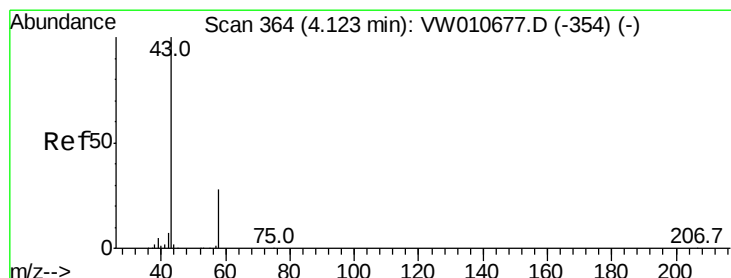
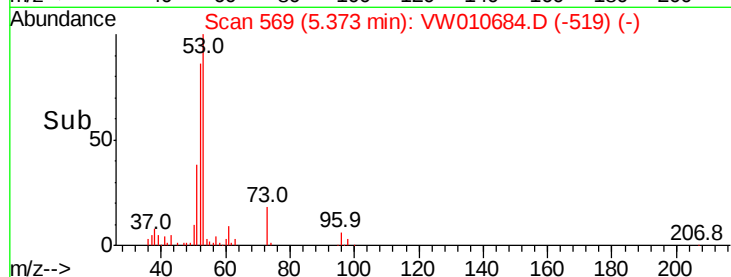
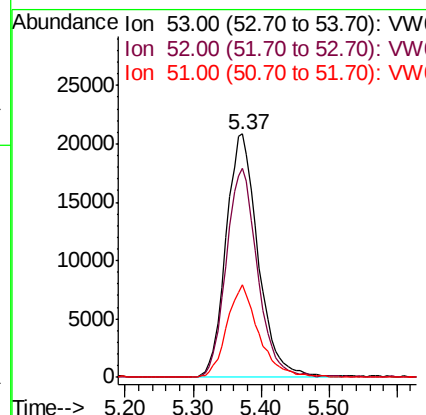
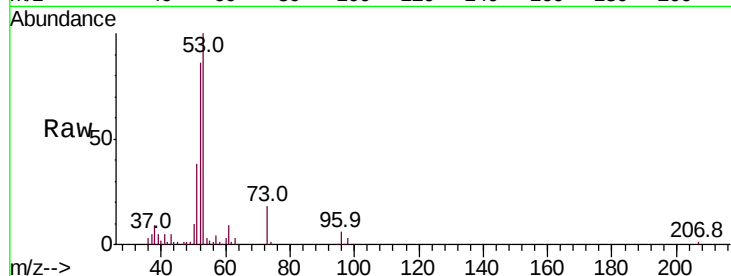
ClientSampleId :

VW0605SBS01

Tot Ion:	53	Resp:	68281
Ion Ratio	Lower	Upper	
53	100		
52	83.4	66.6	100.0
51	37.8	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 76.701 ug/l

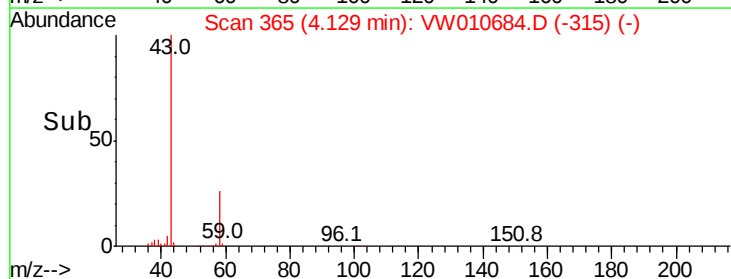
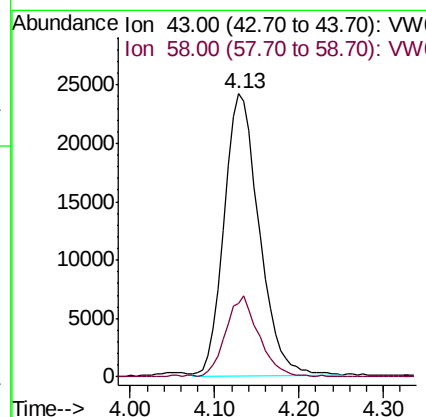
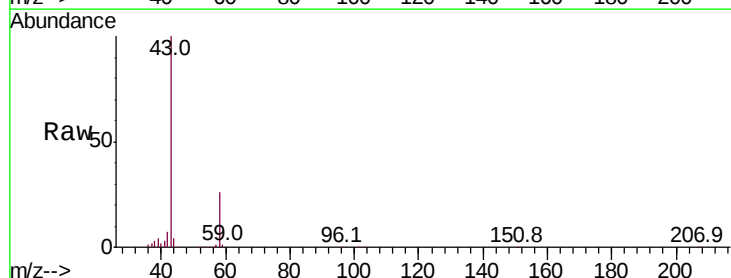
RT: 4.13 min Scan# 365

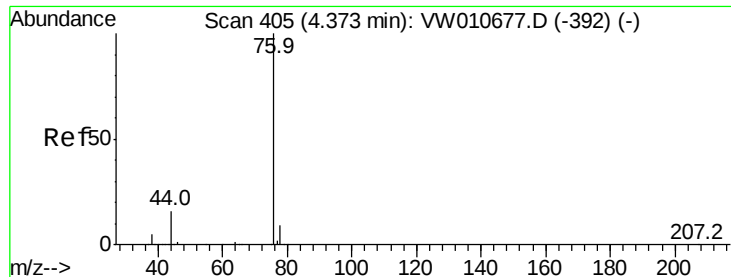
Delta R.T. 0.01 min

Lab File: VW010684.D

Acq: 05 Jun 2019 11:31

Tgt Ion:	43	Resp:	68883
Ion Ratio	Lower	Upper	
43	100		
58	25.9	22.1	33.1





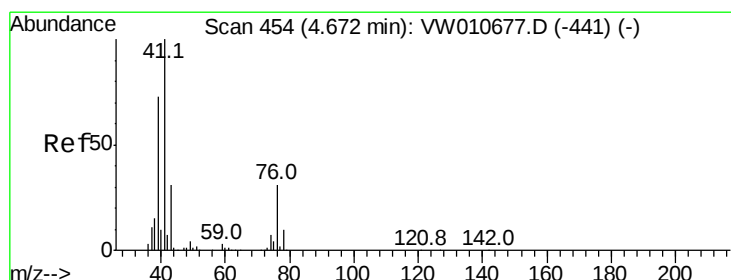
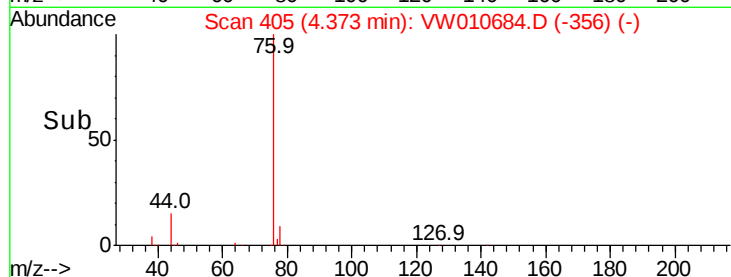
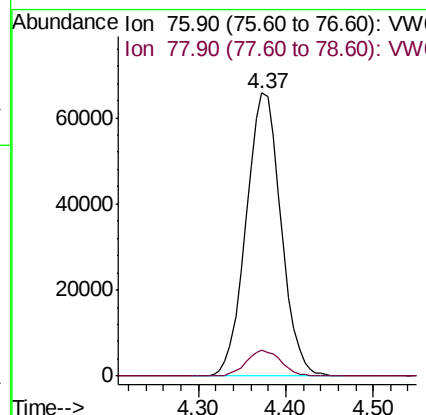
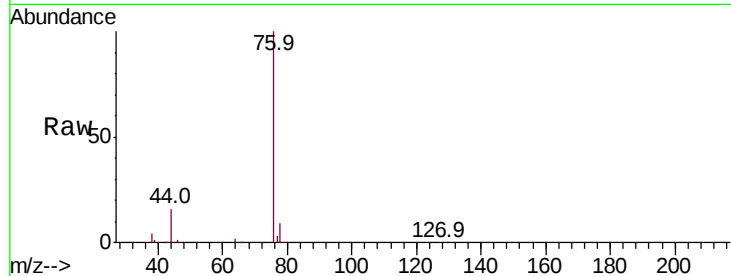
#17
Carbon Disulfide
Concen: 20.860 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW010684.D
Acq: 05 Jun 2019 11:31

Instrument :
MSVOA_W
ClientSampleId :
VW0605SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.5	11.3

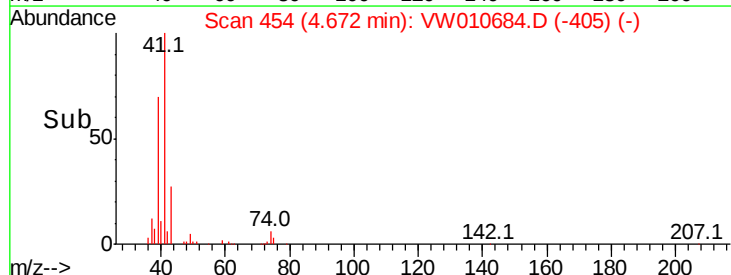
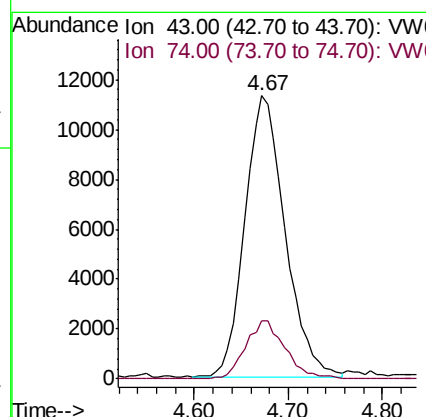
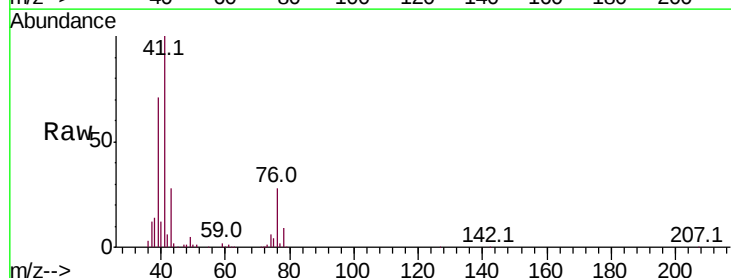
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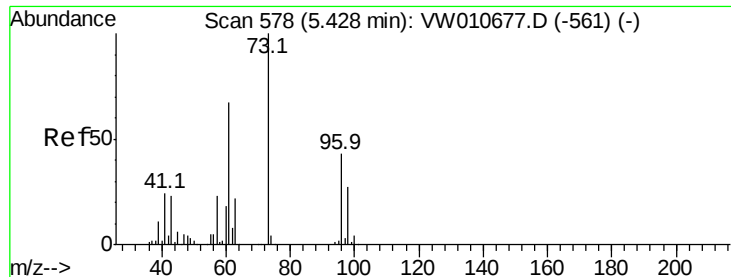
MMDadoda
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#18
Methyl Acetate
Concen: 17.422 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW010684.D
Acq: 05 Jun 2019 11:31

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.4	16.7	25.1





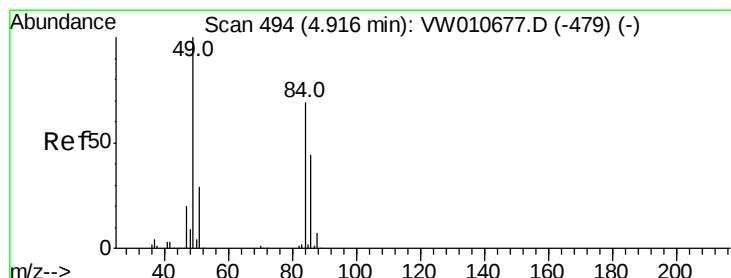
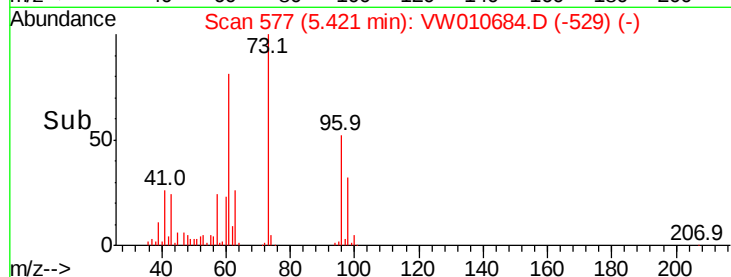
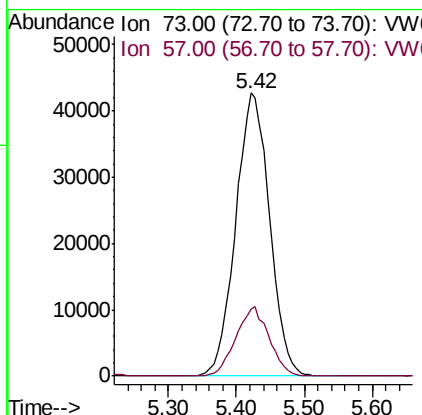
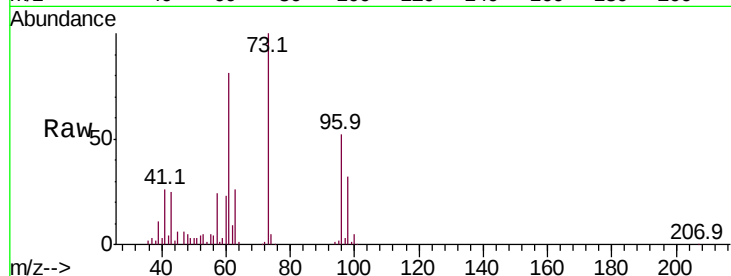
#19
Methvl tert-butvl Ether
Concen: 18.628 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW010684.D
Acq: 05 Jun 2019 11:31

Instrument :
MSVOA_W
ClientSampleId :
VW0605SBS01

Tot Ion: 73 Resp: 147740
Ion Ratio Lower Upper
73 100
57 23.6 18.6 27.8

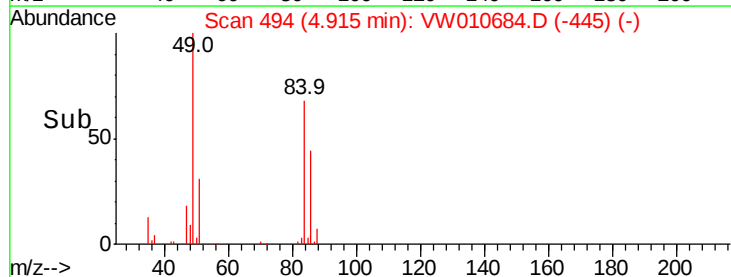
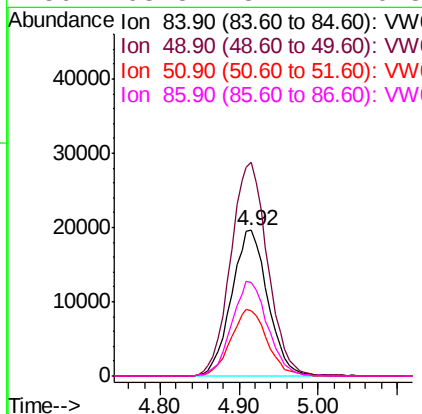
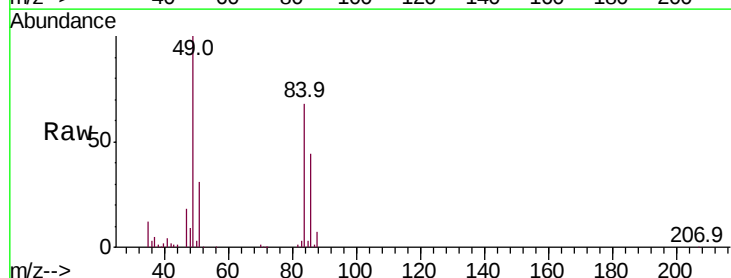
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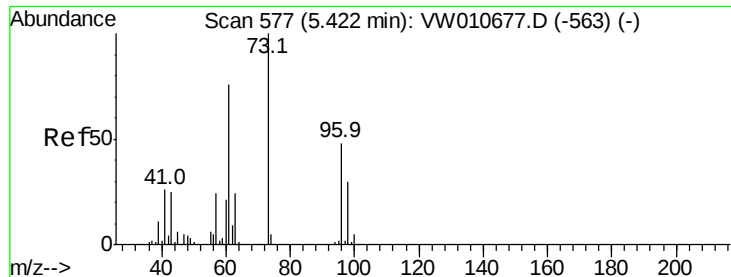
MMDadoda
6/6/2019 11:51:39 AM



#20
Methylene Chloride
Concen: 19.914 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW010684.D
Acq: 05 Jun 2019 11:31

Tgt Ion: 84 Resp: 62740
Ion Ratio Lower Upper
84 100
49 146.6 116.7 175.1
51 45.0 34.2 51.2
86 63.8 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 20.862 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW010684.D

Acq: 05 Jun 2019 11:31

Instrument :

MSVOA_W

ClientSampled :

VW0605SBS01

Tot Ion: 96 Resp: 65126

Ion Ratio Lower Upper

96 100

61 156.2 126.0 189.0

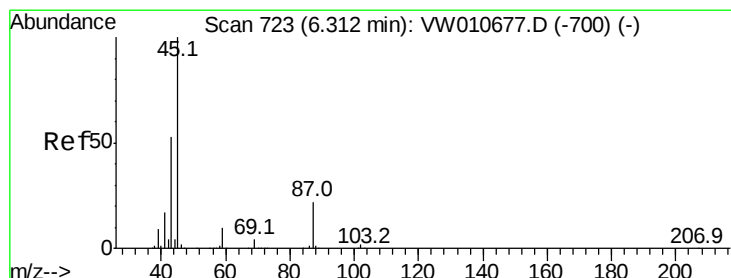
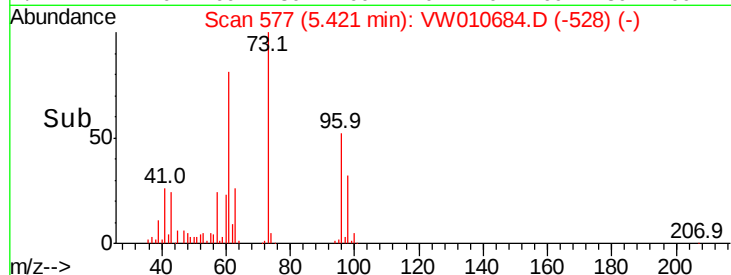
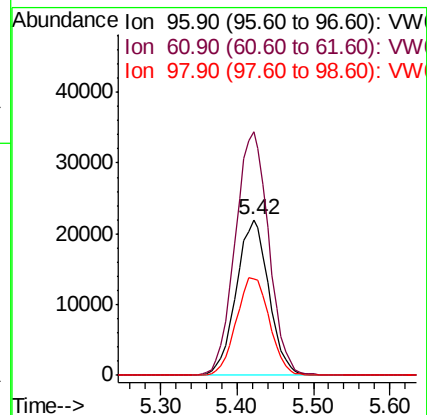
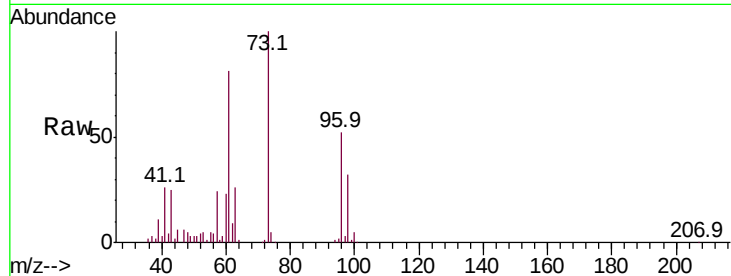
98 61.8 49.6 74.4

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#22

Diisopropyl ether

Concen: 20.170 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW010684.D

Acq: 05 Jun 2019 11:31

Tgt Ion: 45 Resp: 244850

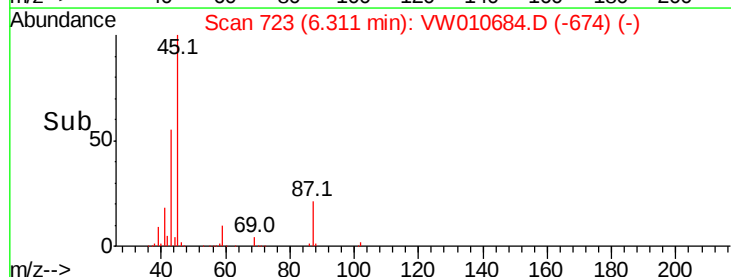
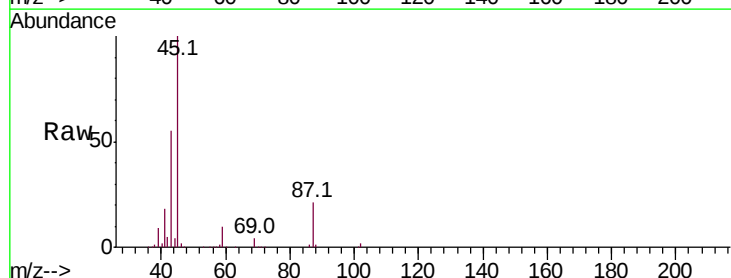
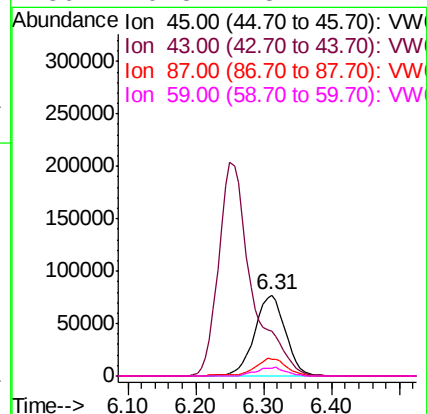
Ion Ratio Lower Upper

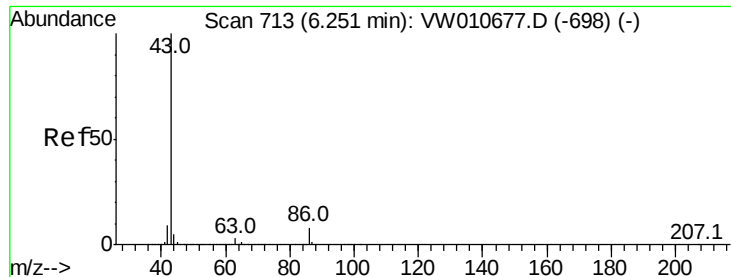
45 100

43 54.2 42.5 63.7

87 21.2 17.4 26.2

59 9.8 8.1 12.1





#23

Vinyl Acetate

Concen: 93.878 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW010684.D

Acq: 05 Jun 2019 11:31

Instrument :

MSVOA_W

ClientSampleId :

VW0605SBS01

Tot Ion: 43 Resp: 687742

Ion Ratio Lower Upper

43 100

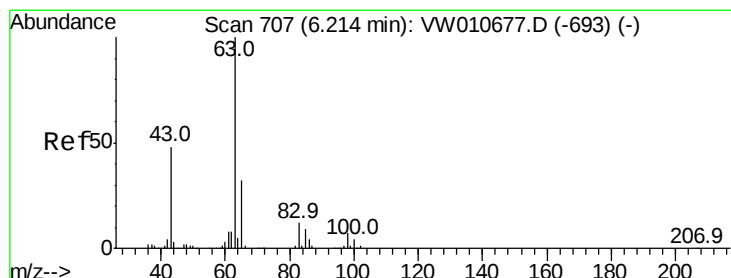
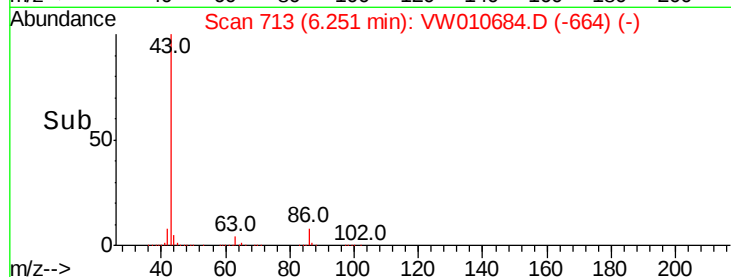
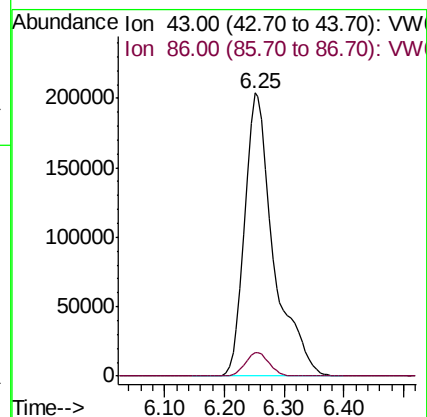
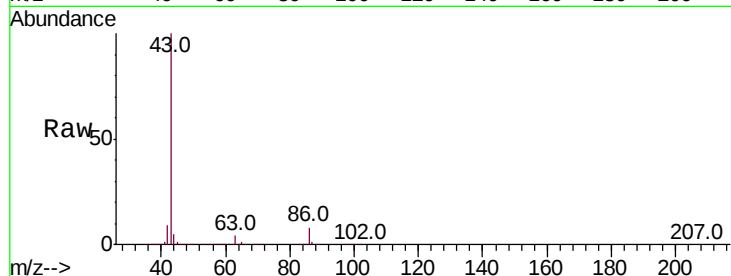
86 8.4 6.6 10.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.798 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010684.D

Acq: 05 Jun 2019 11:31

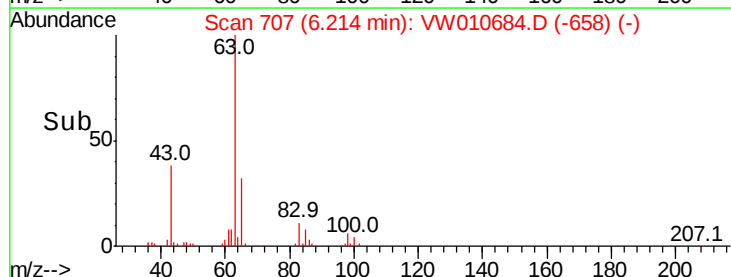
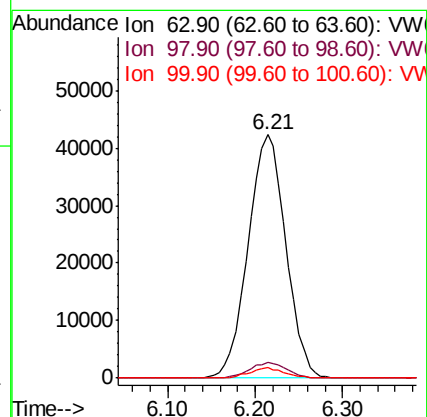
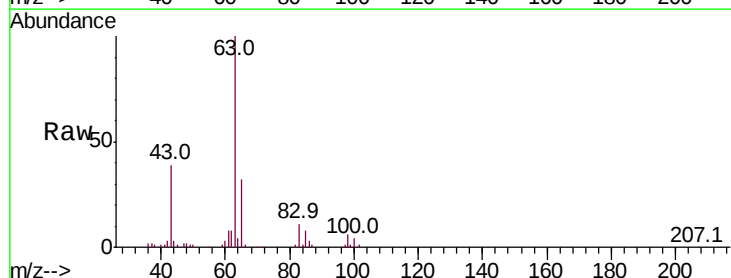
Tgt Ion: 63 Resp: 126521

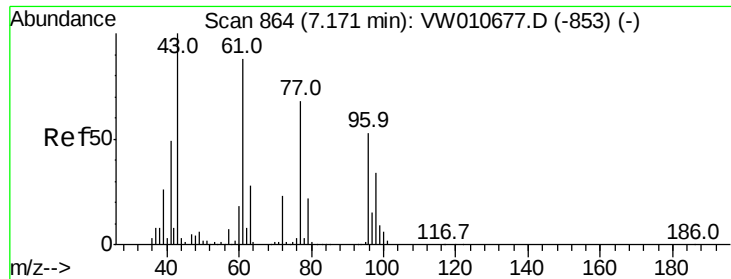
Ion Ratio Lower Upper

63 100

98 6.4 3.4 10.2

100 4.2 2.1 6.3





#25

2-Butanone

Concen: 81.104 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010684.D

Acq: 05 Jun 2019 11:31

Instrument :

MSVOA_W

ClientSampleId :

VW0605SBS01

Tot Ion: 43 Resp: 100999

Ion Ratio Lower Upper

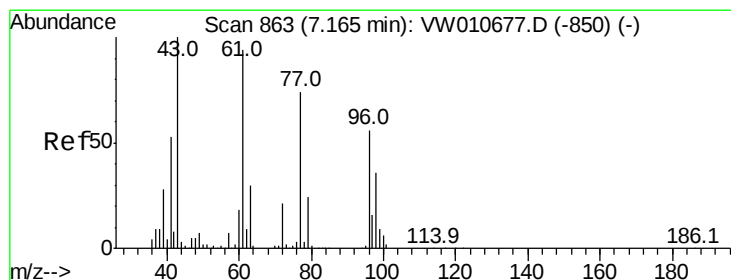
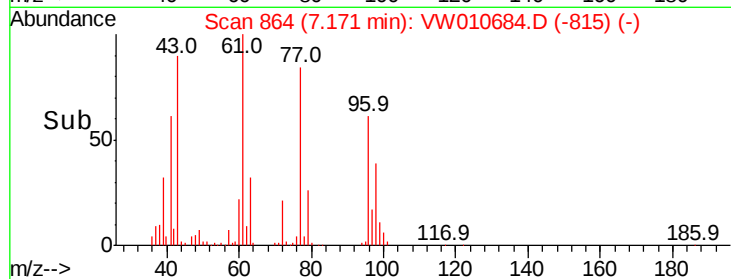
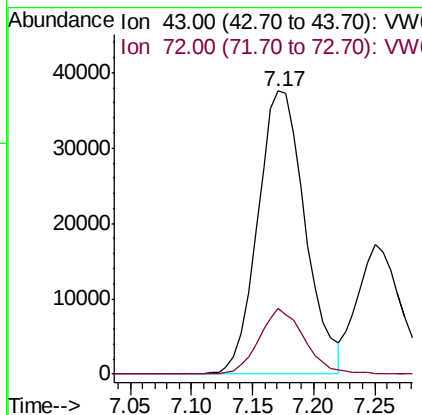
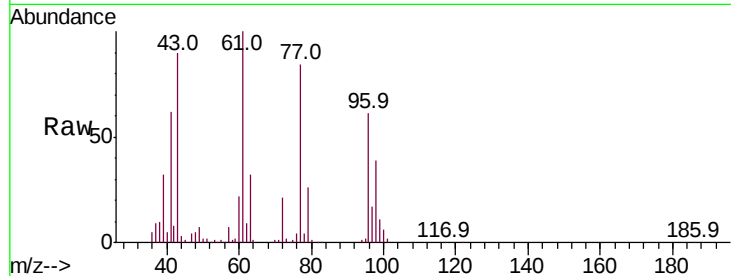
43 100

72 23.3 18.1 27.1

Manual Integrations
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6/6/2019 11:51:39 AM



#26

2,2-Dichloropropane

Concen: 22.006 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW010684.D

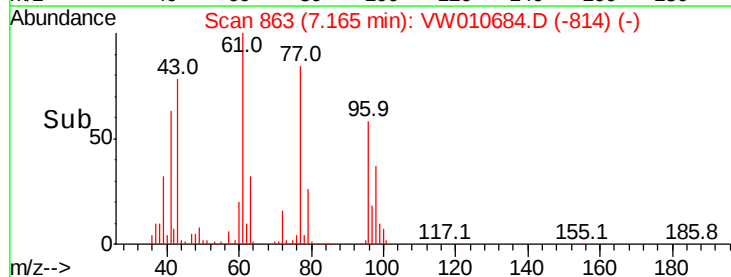
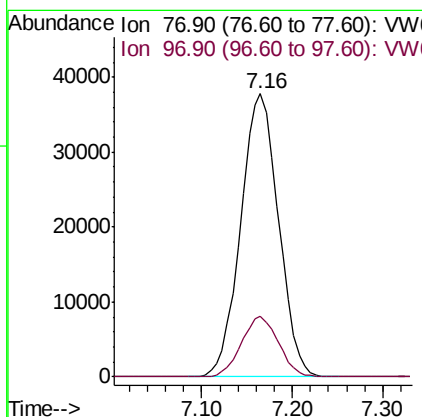
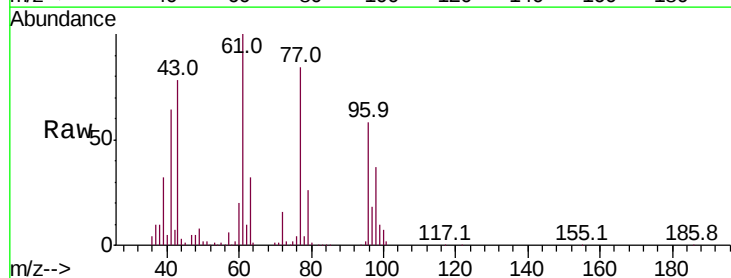
Acq: 05 Jun 2019 11:31

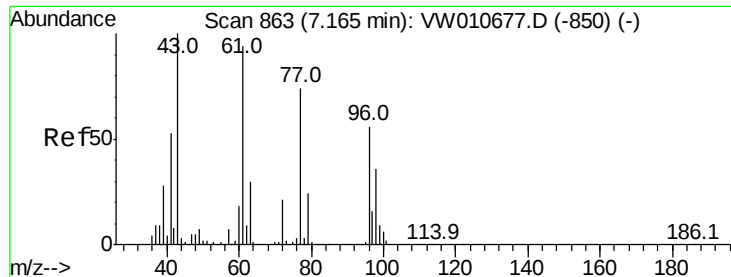
Tgt Ion: 77 Resp: 108938

Ion Ratio Lower Upper

77 100

97 21.0 10.5 31.6





#27

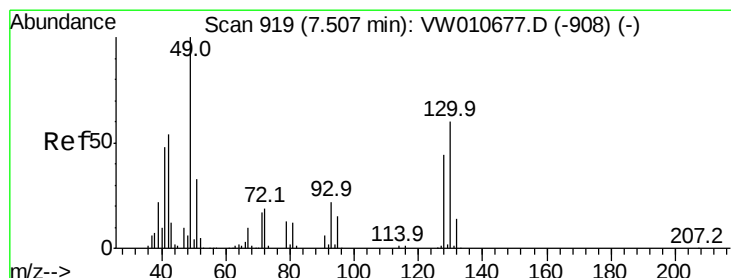
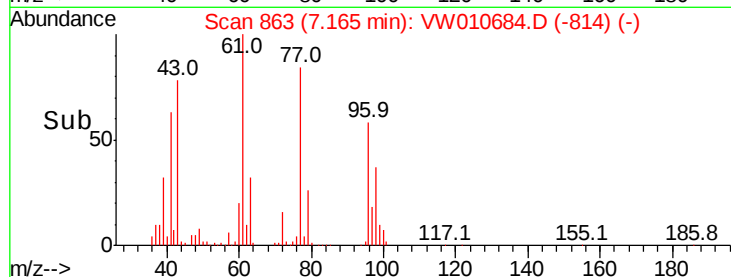
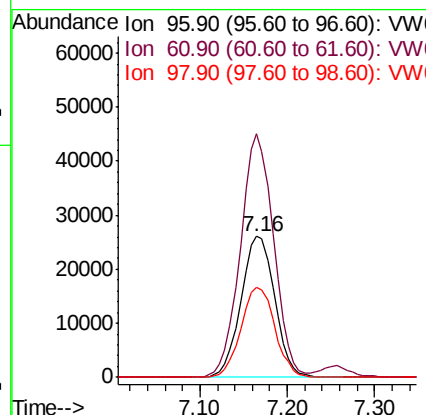
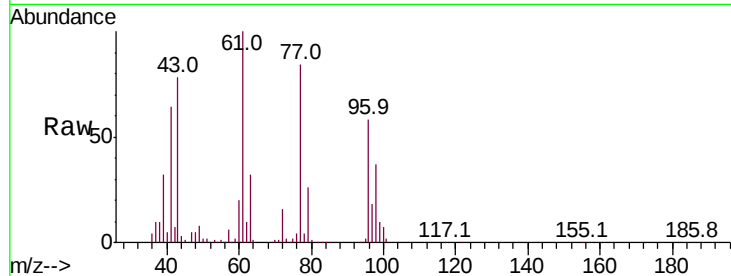
cis-1,2-Dichloroethene
Concen: 20.322 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW010684.D
Acq: 05 Jun 2019 11:31

Instrument :
MSVOA_W
ClientSampled :
VW0605SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	170.2	0.0	336.4
98	64.5	0.0	128.0

Manual Integrations
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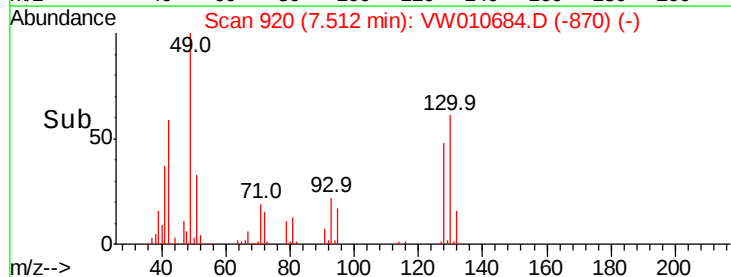
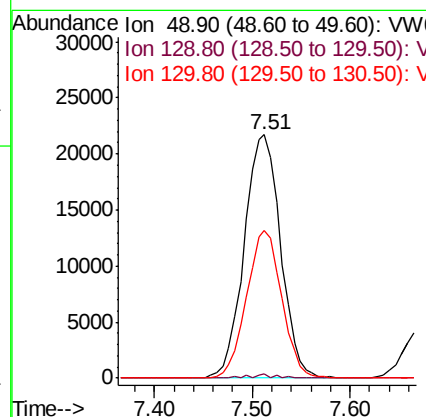
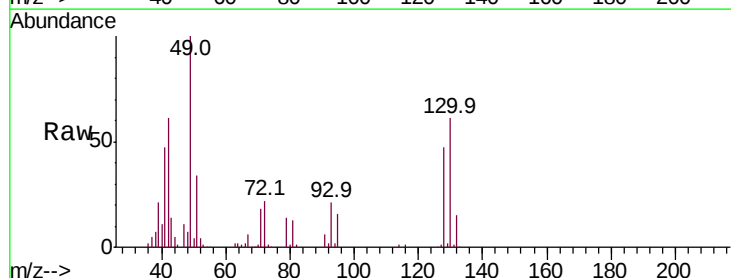
MMDadoda
6/6/2019 11:51:39 AM

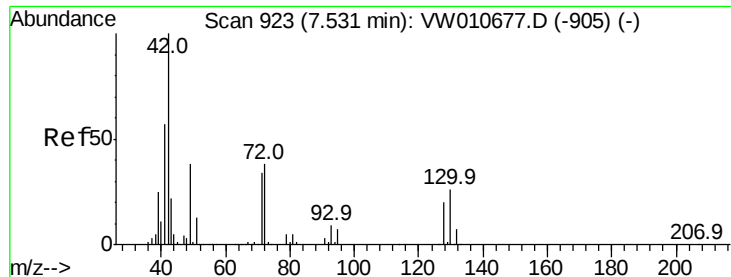


#28

Bromochloromethane
Concen: 20.589 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW010684.D
Acq: 05 Jun 2019 11:31

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	3.2
130	58.6	48.3	72.5





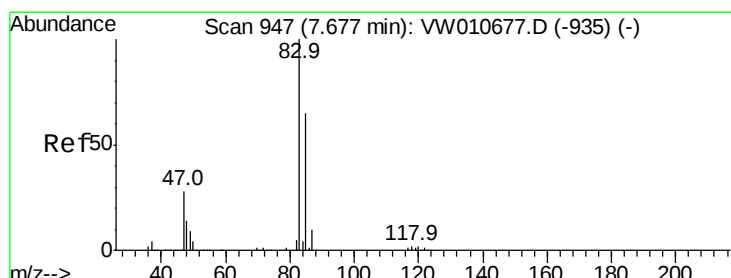
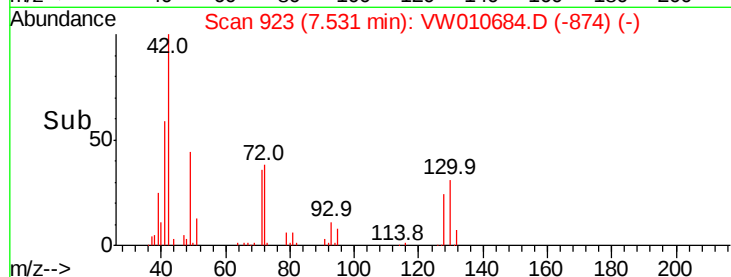
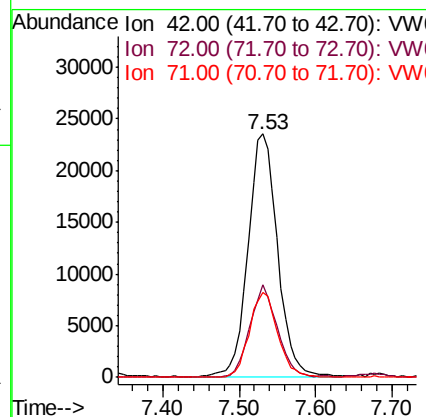
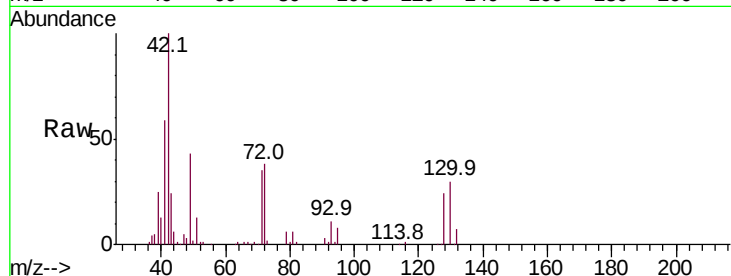
#29
Tetrahydrofuran
Concen: 80.498 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010684.D
Acq: 05 Jun 2019 11:31

Instrument :
MSVOA_W
ClientSampleId :
VW0605SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.3	28.7	43.1
71	33.7	26.6	39.8

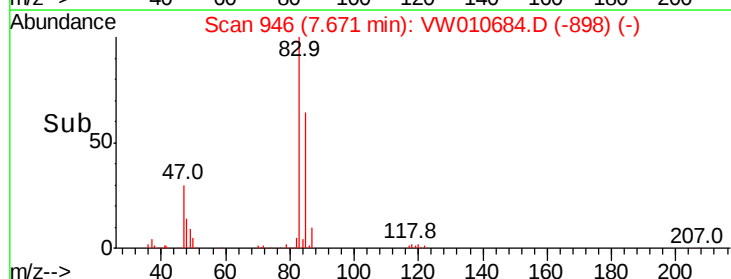
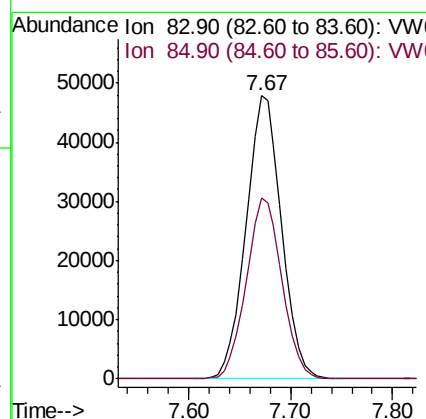
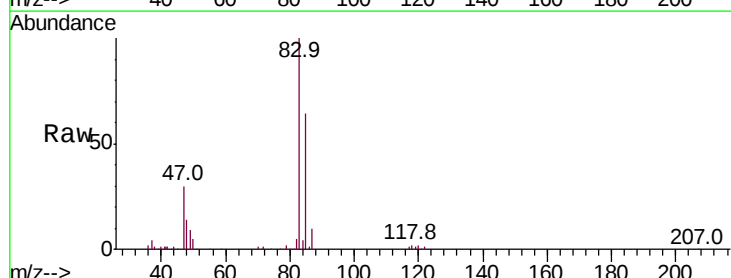
Manual Integrations
APPROVED

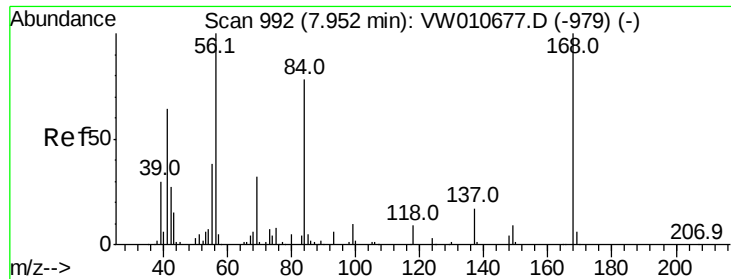
MMDadoda
6/6/2019 11:51:39 AM



#30
Chloroform
Concen: 20.722 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW010684.D
Acq: 05 Jun 2019 11:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.8	77.8





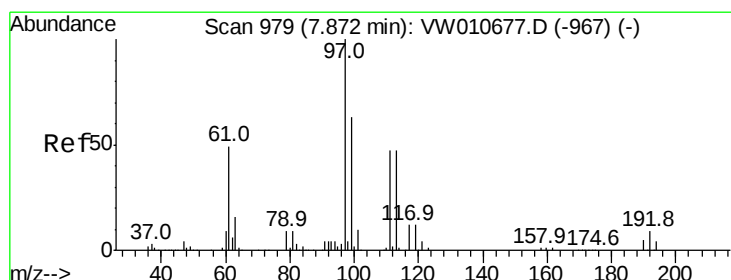
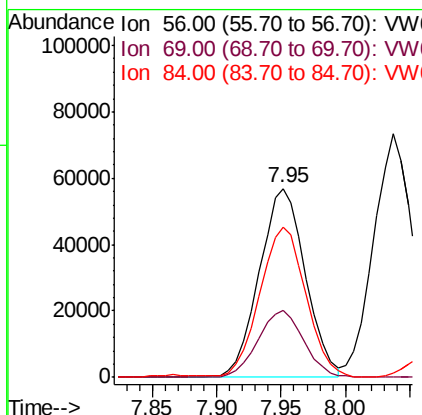
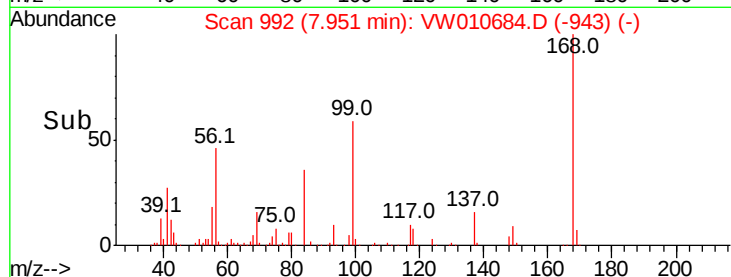
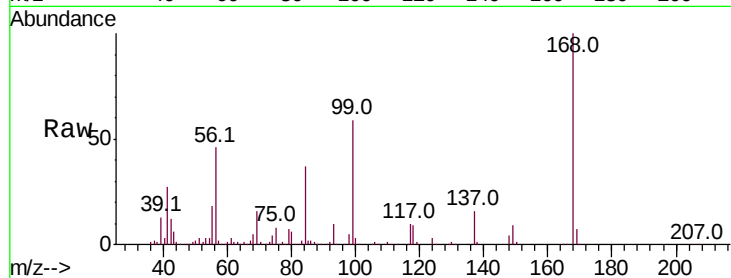
#31
Cyclohexane
Concen: 20.891 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010684.D
Acq: 05 Jun 2019 11:31

Instrument :
MSVOA_W
ClientSampled :
VW0605SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.4	25.2	37.8
84	78.4	62.2	93.2

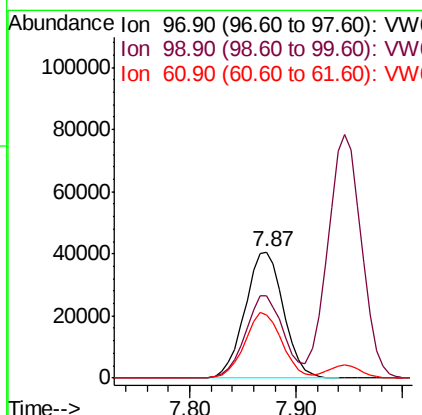
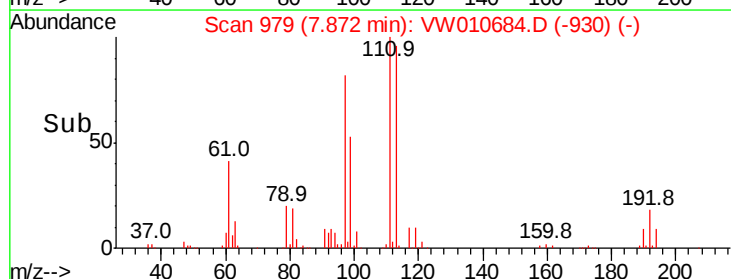
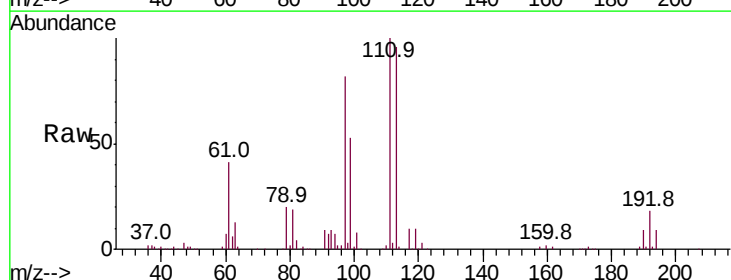
Manual Integrations
APPROVED

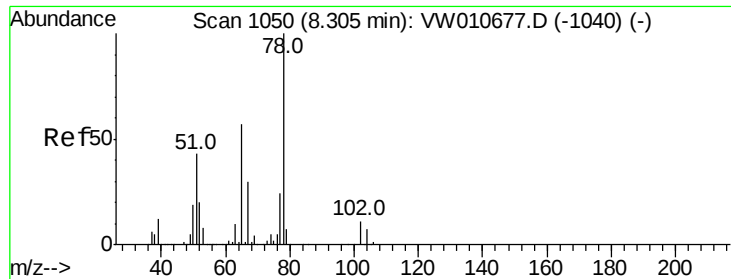
MMDadoda
6/6/2019 11:51:39 AM



#32
1,1,1-Trichloroethane
Concen: 21.170 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW010684.D
Acq: 05 Jun 2019 11:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.8	51.3	76.9
61	50.6	40.4	60.6





#33

1,2-Dichloroethane-d4

Concen: 51.662 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010684.D

Acq: 05 Jun 2019 11:31

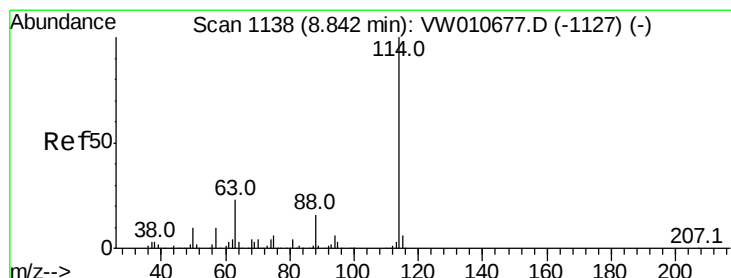
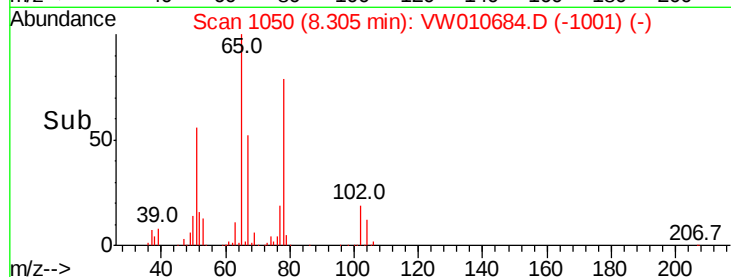
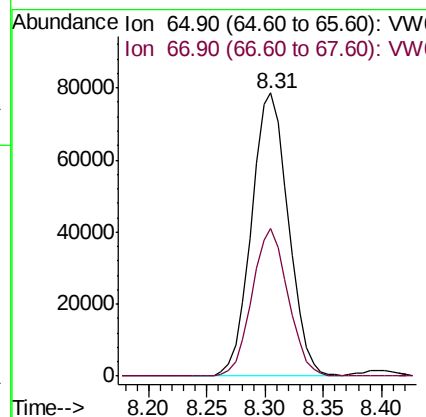
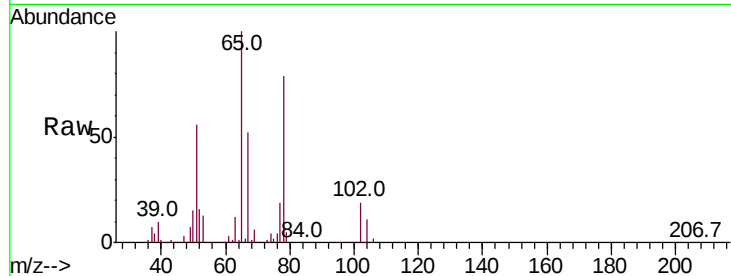
Instrument :
MSVOA_W

ClientSampled :
VW0605SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	102.6

Manual Integrations
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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

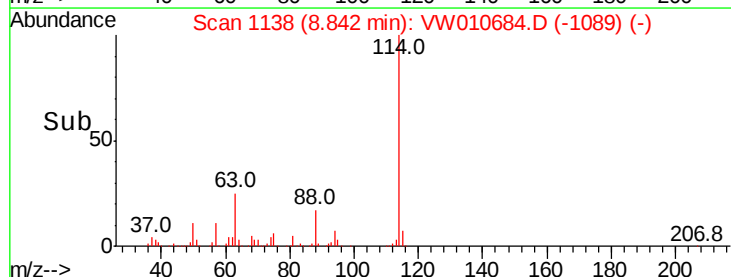
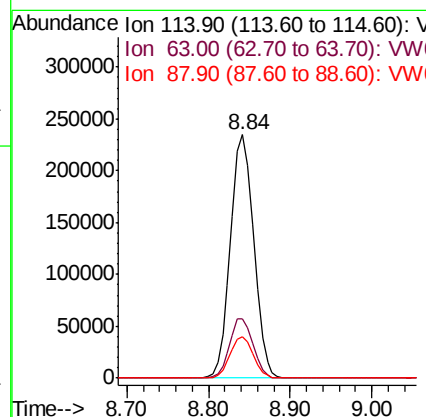
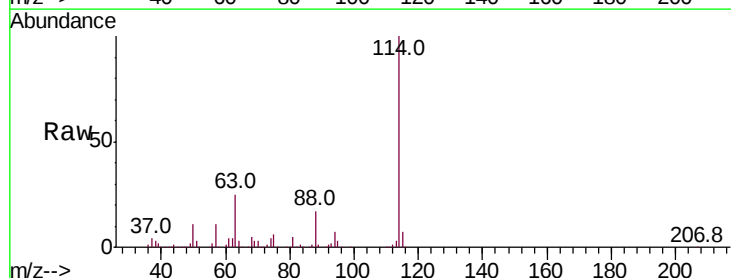
RT: 8.84 min Scan# 1138

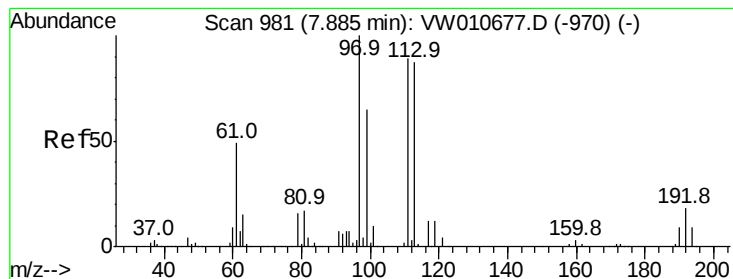
Delta R.T. -0.00 min

Lab File: VW010684.D

Acq: 05 Jun 2019 11:31

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.6	0.0	46.4
88	17.3	0.0	32.2





#35

Dibromofluoromethane

Concen: 55.044 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010684.D

Acq: 05 Jun 2019 11:31

Instrument :

MSVOA_W

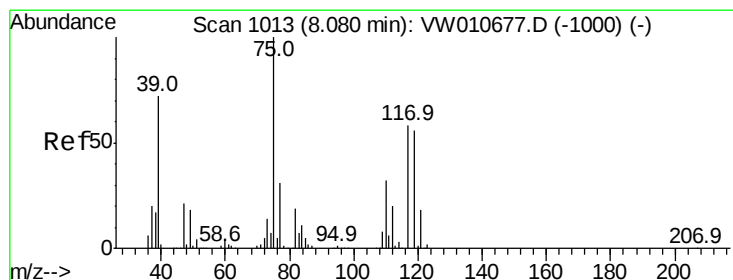
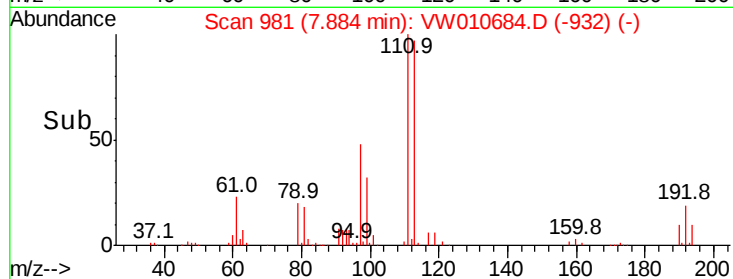
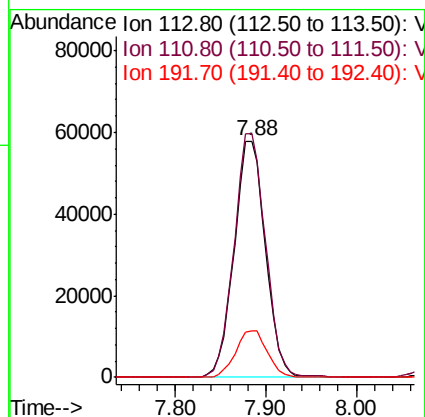
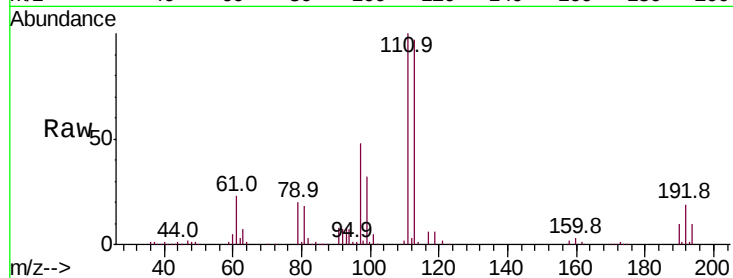
ClientSampleId :

VW0605SBS01

Tot Ion:	113	Resp:	138537
Ion Ratio	Lower	Upper	
113	100		
111	103.6	82.6	123.8
192	19.9	16.4	24.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 21.405 ug/l

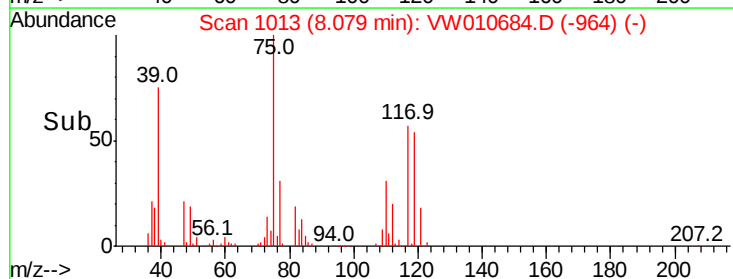
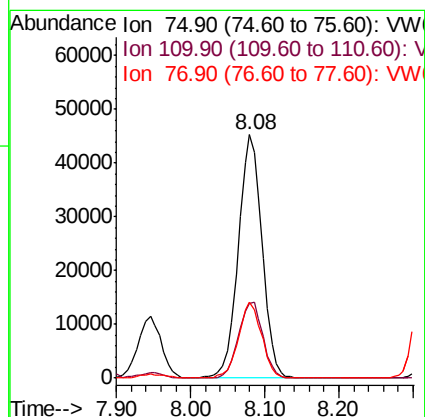
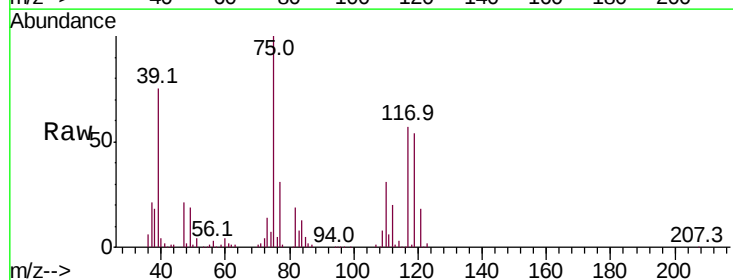
RT: 8.08 min Scan# 1013

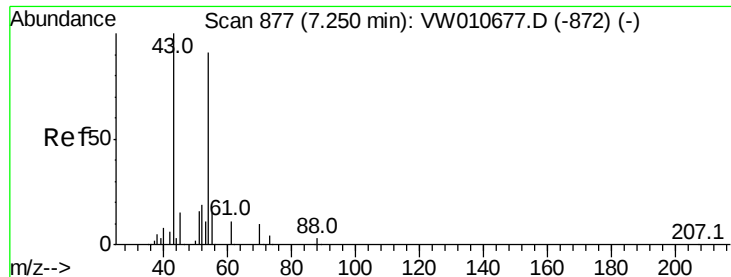
Delta R.T. -0.00 min

Lab File: VW010684.D

Acq: 05 Jun 2019 11:31

Tgt Ion:	75	Resp:	101596
Ion Ratio	Lower	Upper	
75	100		
110	31.7	15.8	47.3
77	30.4	24.7	37.1





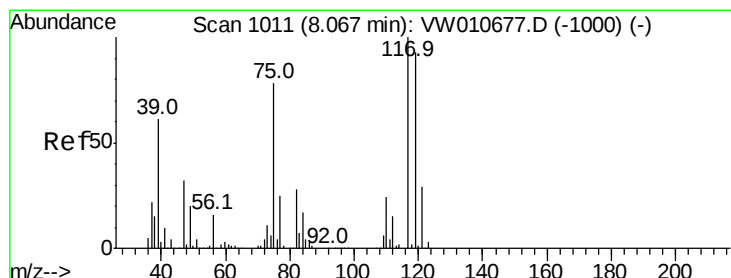
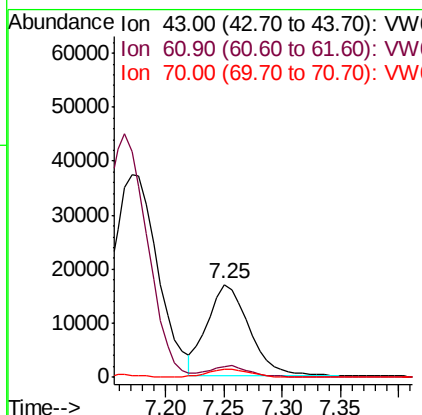
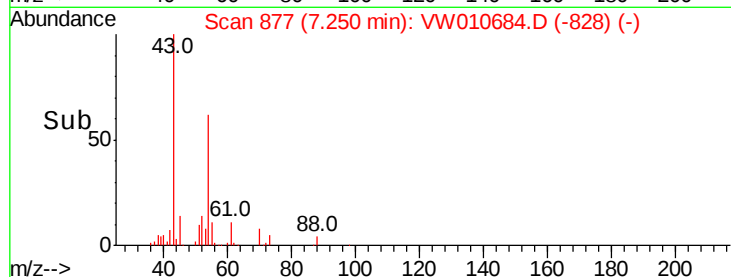
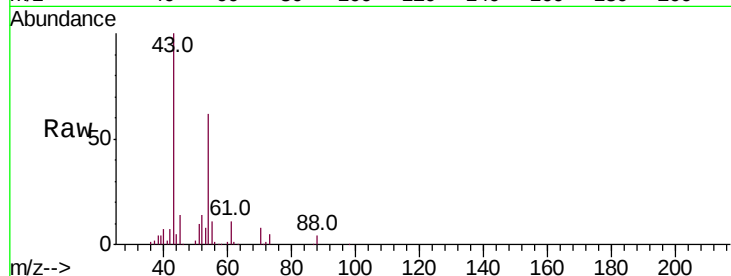
#37
Ethyl Acetate
Concen: 16.187 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW010684.D
Acq: 05 Jun 2019 11:31

Instrument :
MSVOA_W
ClientSampled :
VW0605SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.2	9.7	14.5
70	9.2	7.2	10.8

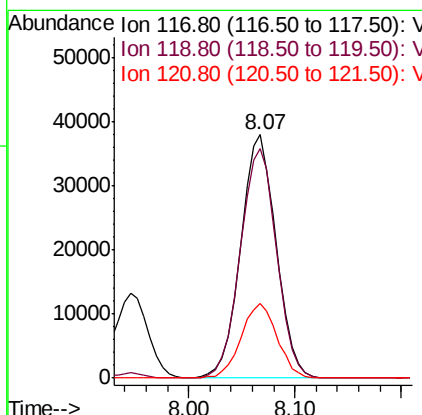
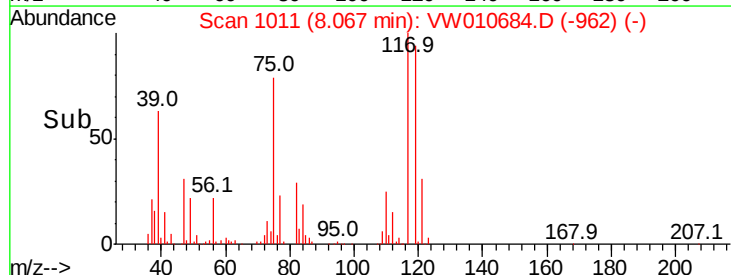
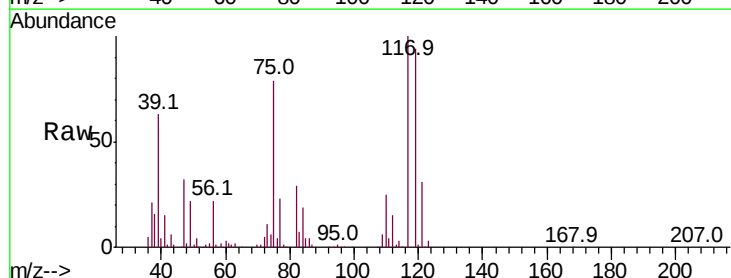
Manual Integrations
APPROVED

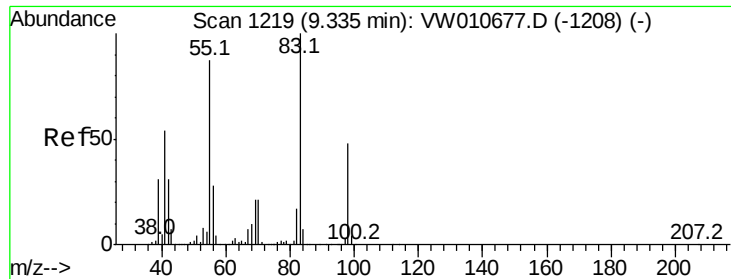
MMDadoda
6/6/2019 11:51:39 AM



#38
Carbon Tetrachloride
Concen: 21.649 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW010684.D
Acq: 05 Jun 2019 11:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.4	74.2	111.4
121	30.8	22.9	34.3





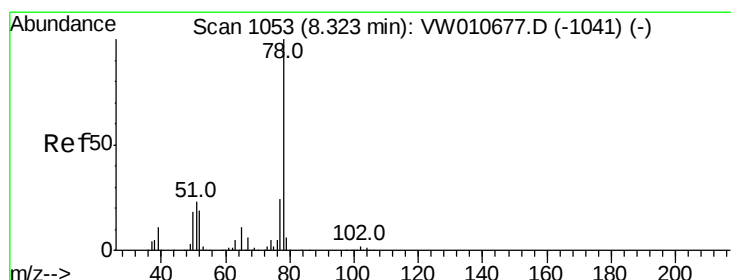
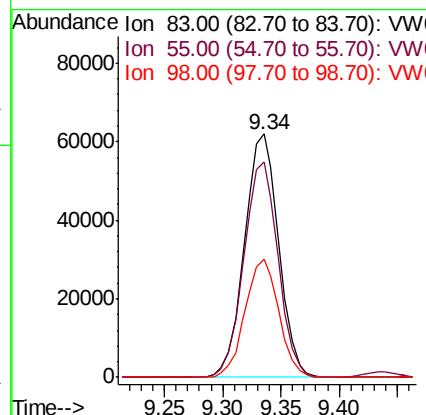
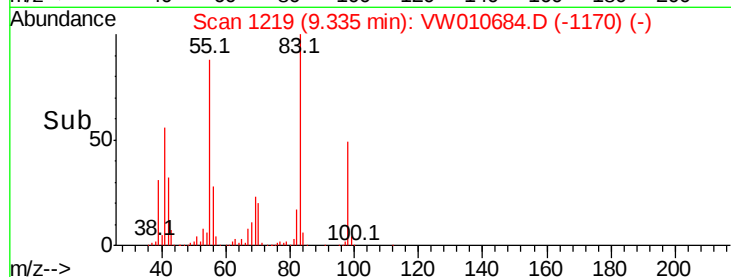
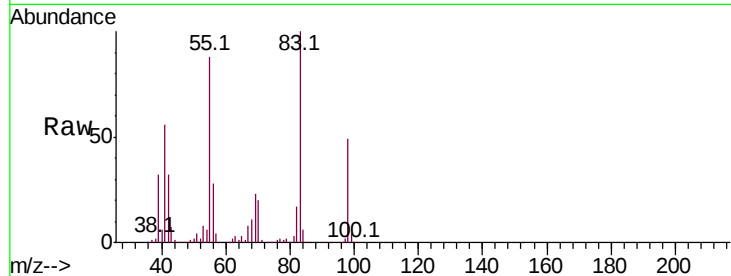
#39
Methvlcvclohexane
Concen: 20.958 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010684.D
Acq: 05 Jun 2019 11:31

Instrument :
MSVOA_W
ClientSampleId :
VW0605SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	126455		
55	88.3	70.0	105.0	
98	48.6	38.1	57.1	

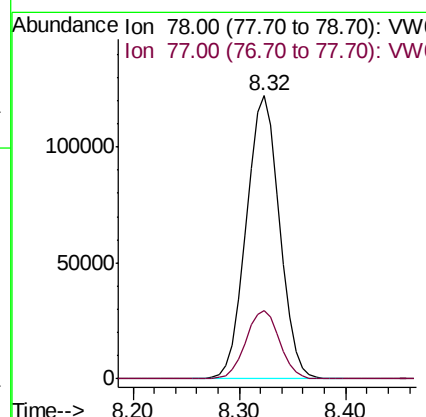
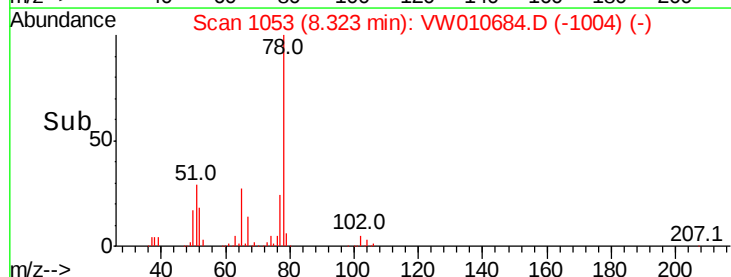
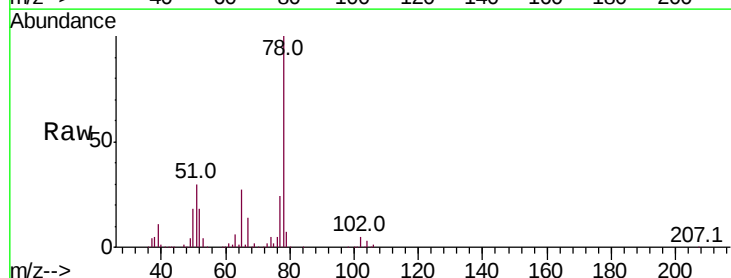
Manual Integrations
APPROVED

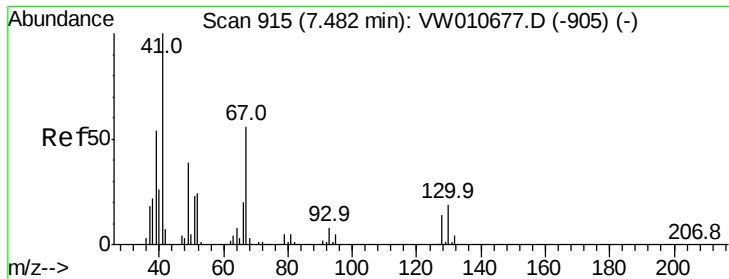
MMDadoda
6/6/2019 11:51:39 AM



#40
Benzene
Concen: 20.673 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010684.D
Acq: 05 Jun 2019 11:31

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	267686		
77	24.3	19.1	28.7	





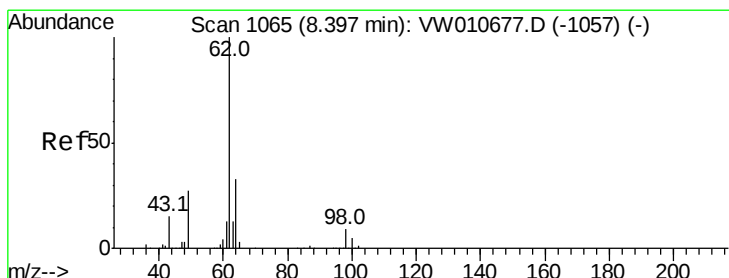
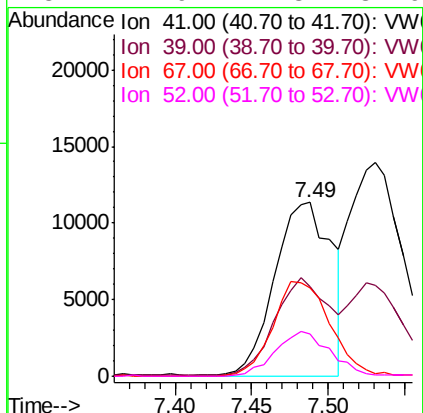
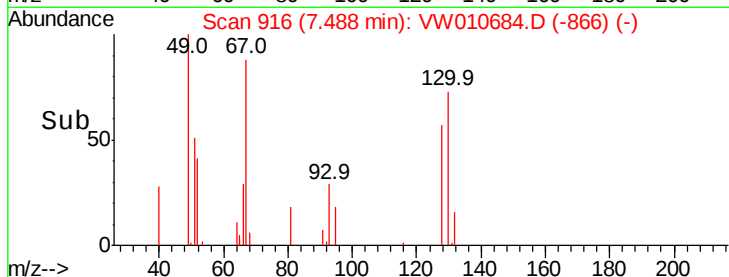
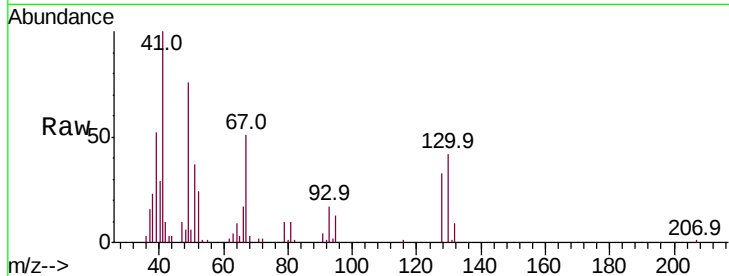
#41
Methacrylonitrile
Concen: 18.949 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW010684.D
Acq: 05 Jun 2019 11:31

Instrument :
MSVOA_W
ClientSampleId :
VW0605SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.9	47.3	70.9
67	54.8	47.2	70.8
52	24.9	21.3	31.9

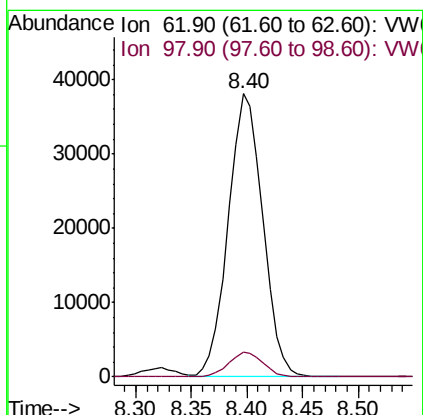
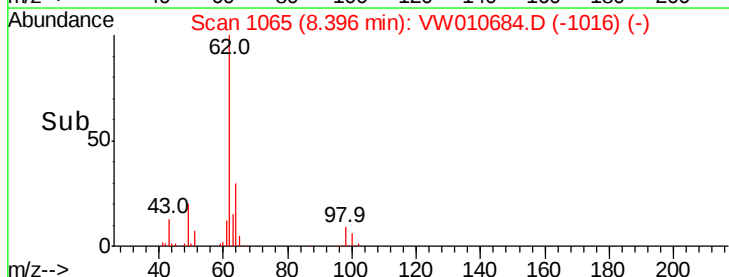
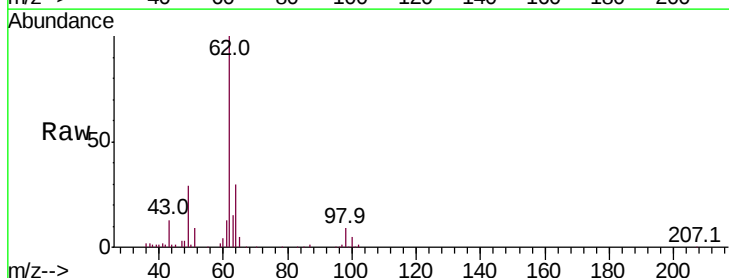
Manual Integrations
APPROVED

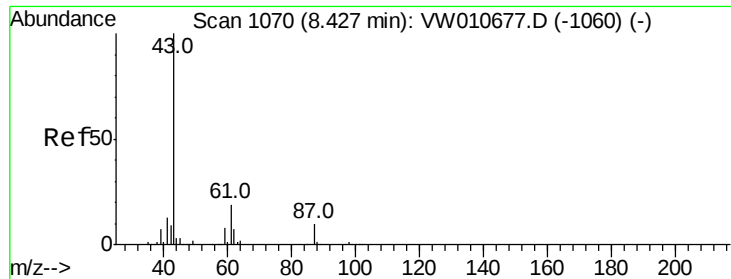
MMDadoda
6/6/2019 11:51:39 AM



#42
1,2-Dichloroethane
Concen: 19.955 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW010684.D
Acq: 05 Jun 2019 11:31

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	17.2





#43

Isopropyl Acetate

Concen: 17.311 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW010684.D

Acq: 05 Jun 2019 11:31

Instrument :

MSVOA_W

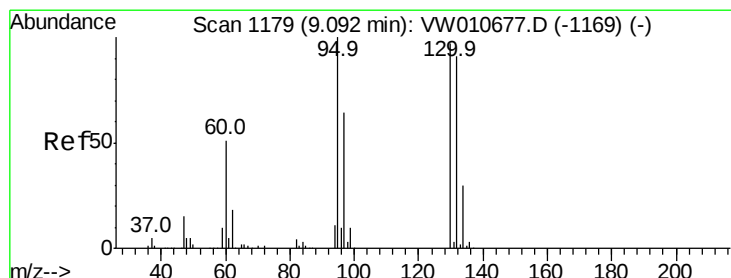
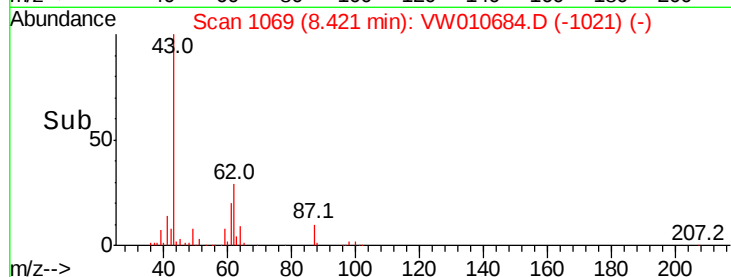
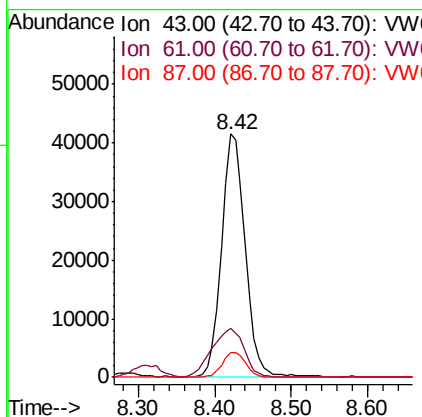
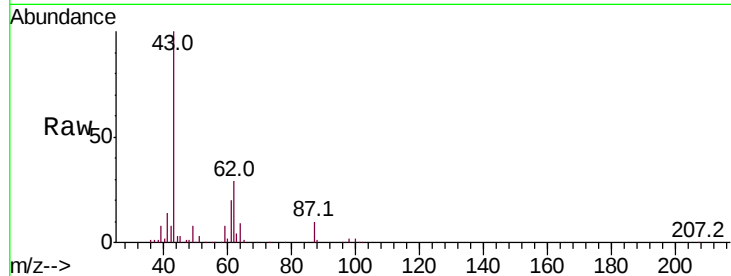
ClientSampleId :

VW0605SBS01

Tot Ion:	43	Resp:	87966
Ion	Ratio	Lower	Upper
43	100		
61	27.9	21.2	31.8
87	10.4	8.3	12.5

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#44

Trichloroethene

Concen: 20.720 ug/l

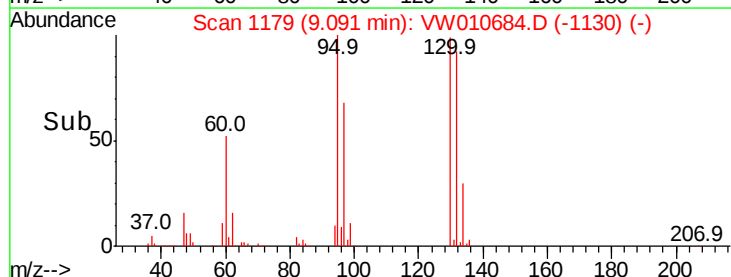
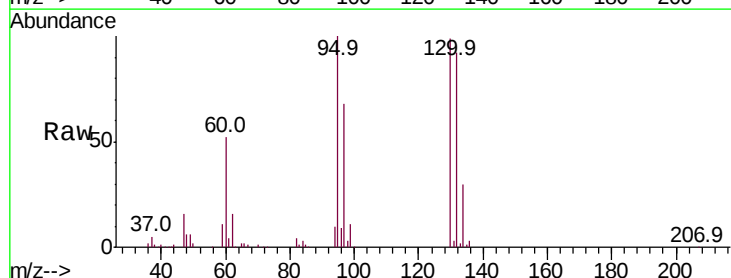
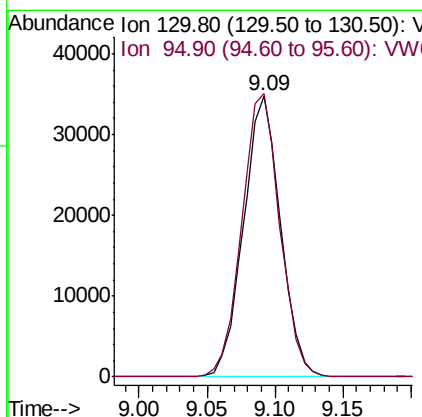
RT: 9.09 min Scan# 1179

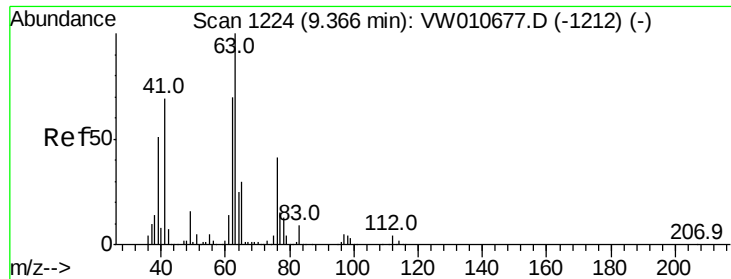
Delta R.T. -0.00 min

Lab File: VW010684.D

Acq: 05 Jun 2019 11:31

Tgt Ion:	130	Resp:	66181
Ion	Ratio	Lower	Upper
130	100		
95	100.4	0.0	207.0





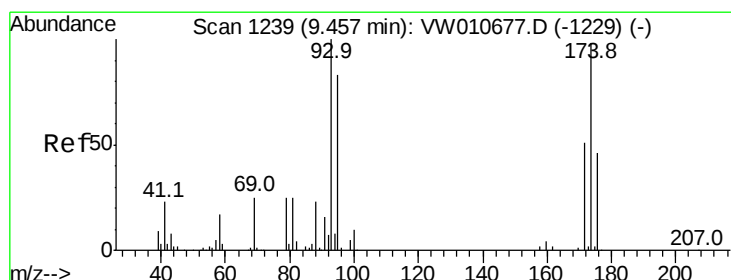
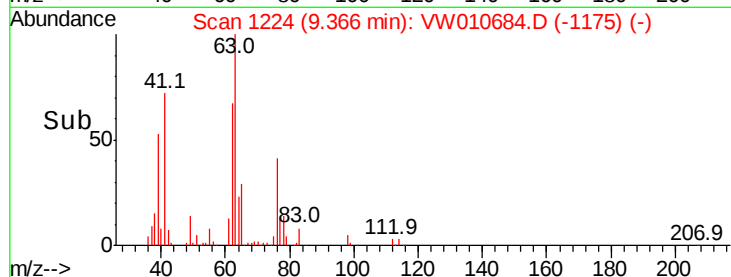
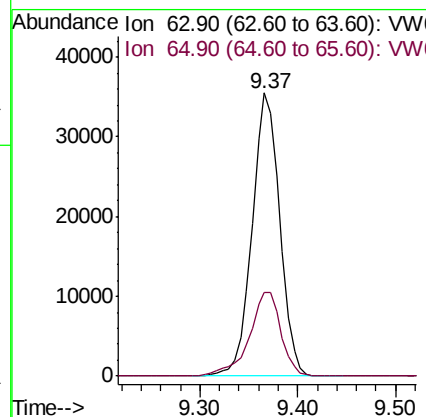
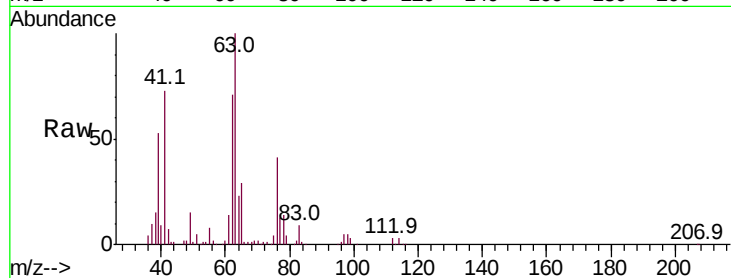
#45
 1,2-Dichloropropane
 Concen: 20.290 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW010684.D
 Acq: 05 Jun 2019 11:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0605SBS01

Tot Ion	63	Resp	69546
Ion Ratio	100	Lower	Upper
65	29.4	23.8	35.6

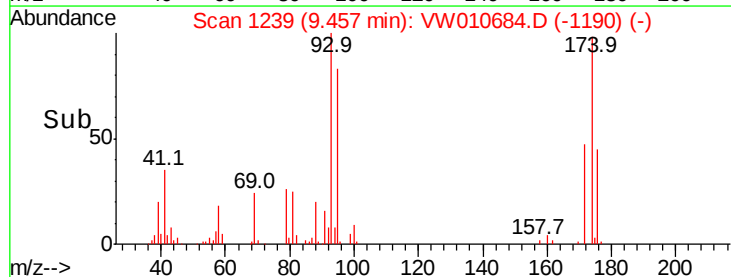
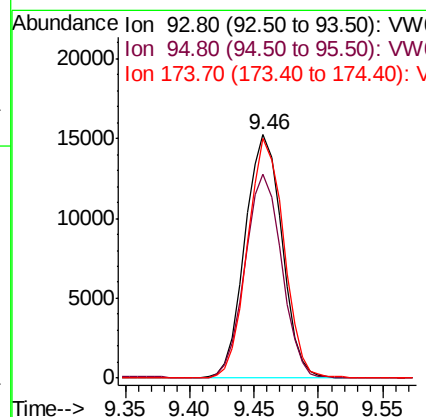
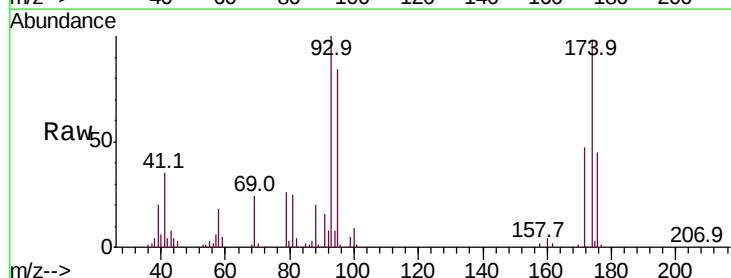
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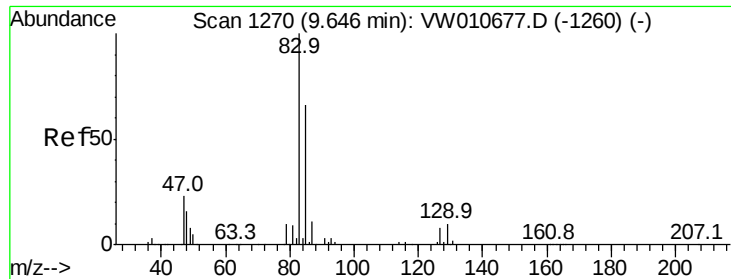
MMDadoda
 6/6/2019 11:51:39 AM



#46
 Dibromomethane
 Concen: 19.035 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW010684.D
 Acq: 05 Jun 2019 11:31

Tgt Ion	93	Resp	30305
Ion Ratio	100	Lower	Upper
95	82.9	65.8	98.8
174	96.3	77.4	116.0





#47

Bromodichloromethane

Concen: 20.252 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW010684.D

Acq: 05 Jun 2019 11:31

Instrument :

MSVOA_W

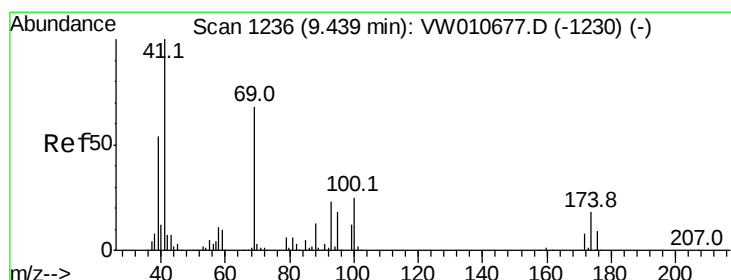
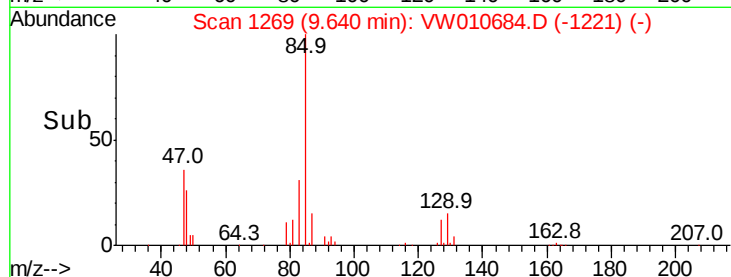
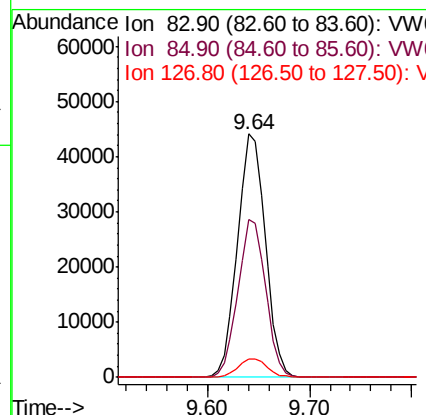
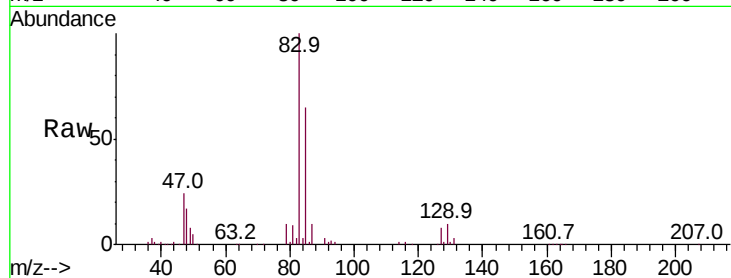
ClientSampleId :

VW0605SBS01

Tot Ion:	83	Resp:	83579
Ion Ratio	Lower	Upper	
83	100		
85	64.9	53.0	79.4
127	7.6	6.4	9.6

Manual Integrations
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6/6/2019 11:51:39 AM



#48

Methyl methacrylate

Concen: 17.301 ug/l

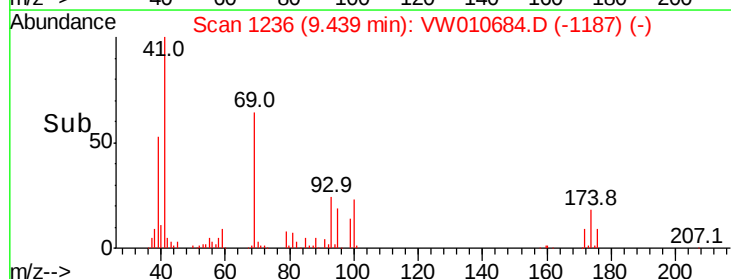
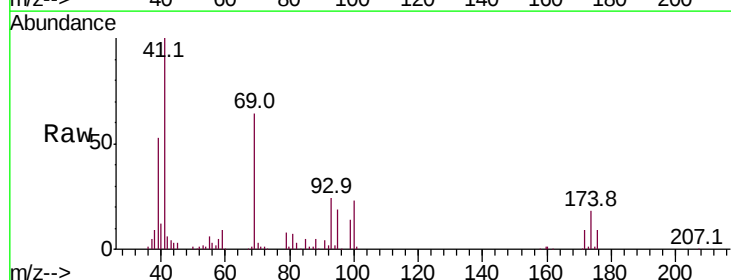
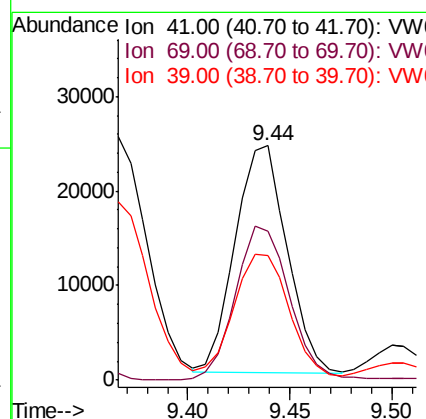
RT: 9.44 min Scan# 1236

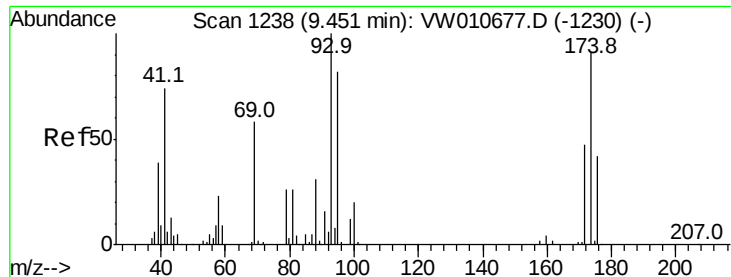
Delta R.T. -0.00 min

Lab File: VW010684.D

Acq: 05 Jun 2019 11:31

Tgt Ion:	41	Resp:	42387
Ion Ratio	Lower	Upper	
41	100		
69	71.7	56.6	85.0
39	55.7	44.4	66.6





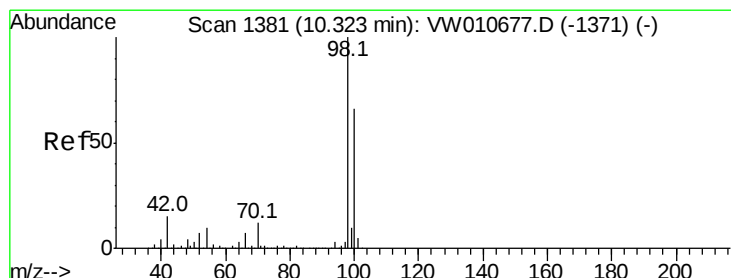
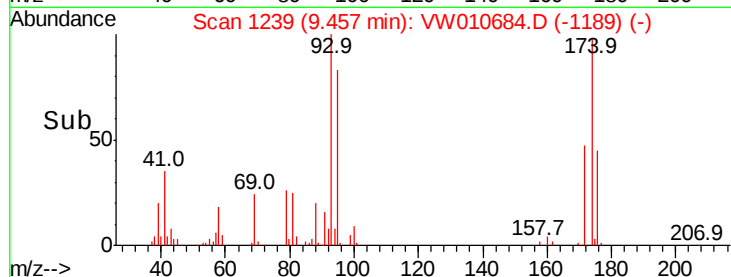
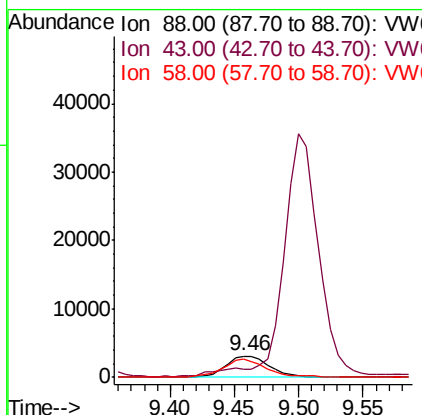
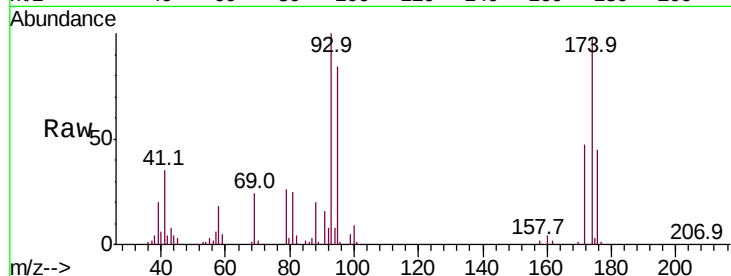
#49
1,4-Dioxane
Concen: 294.443 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW010684.D
Acq: 05 Jun 2019 11:31

Instrument :
MSVOA_W
ClientSampleId :
VW0605SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	34.2	51.4#
58	87.2	69.0	103.4

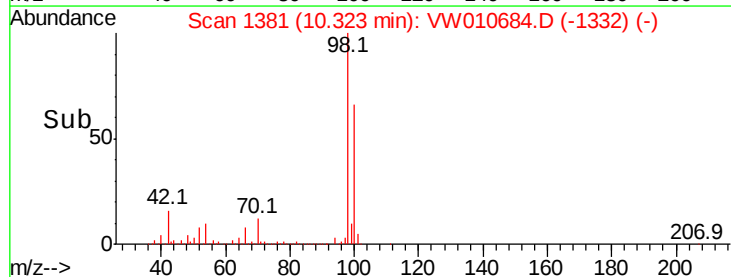
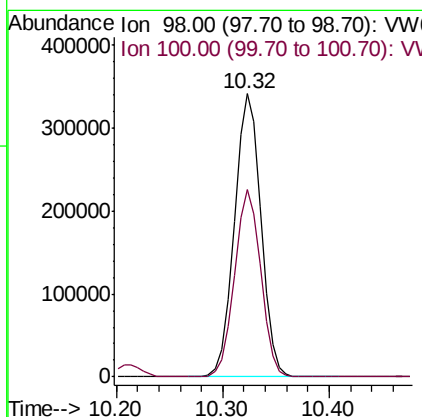
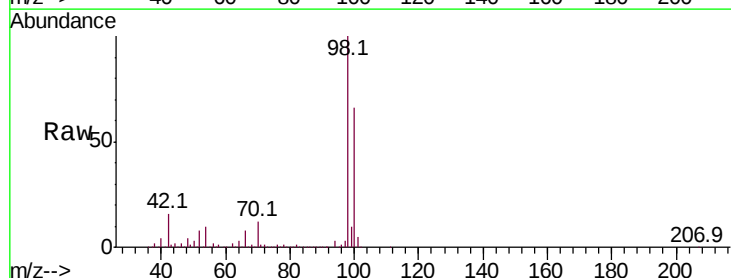
Manual Integrations
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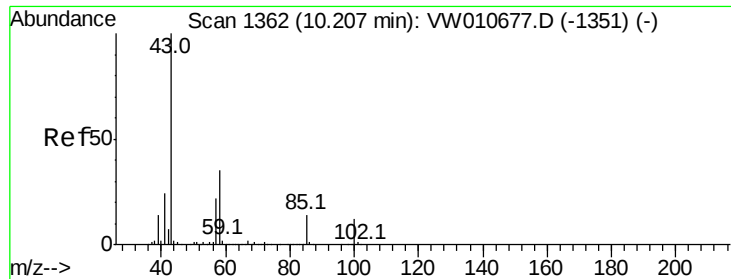
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#50
Toluene-d8
Concen: 54.051 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010684.D
Acq: 05 Jun 2019 11:31

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.5	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 83.664 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW010684.D

Acq: 05 Jun 2019 11:31

Instrument :

MSVOA_W

ClientSampled :

VW0605SBS01

Tot Ion: 43 Resp: 217187

Ion Ratio Lower Upper

43 100

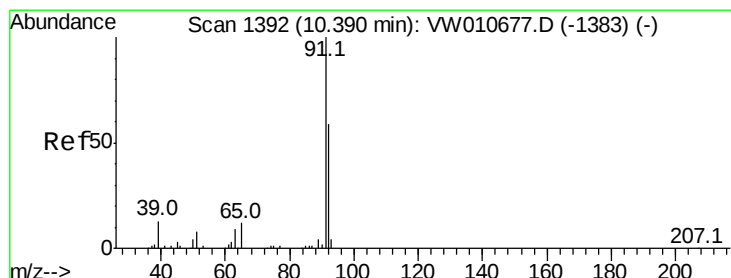
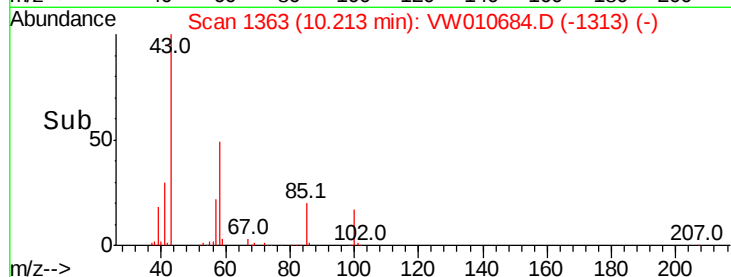
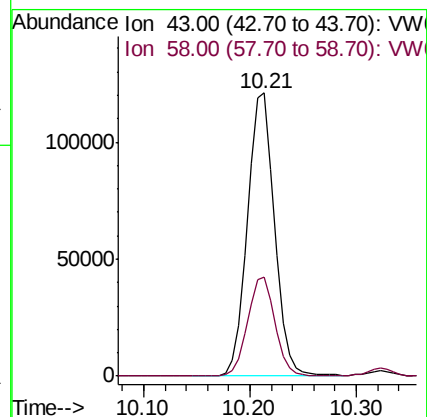
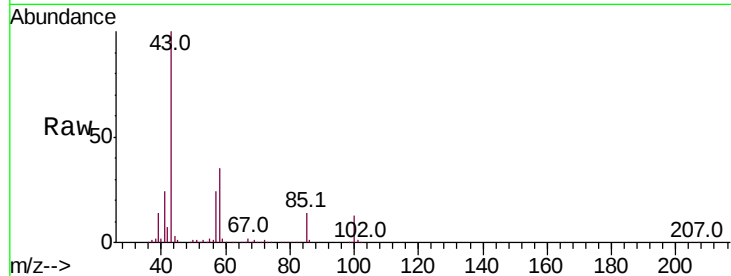
58 35.3 28.4 42.6

Manual Integrations

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6/6/2019 11:51:39 AM



#52

Toluene

Concen: 20.591 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010684.D

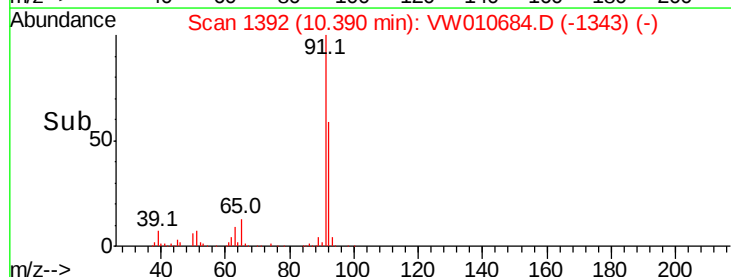
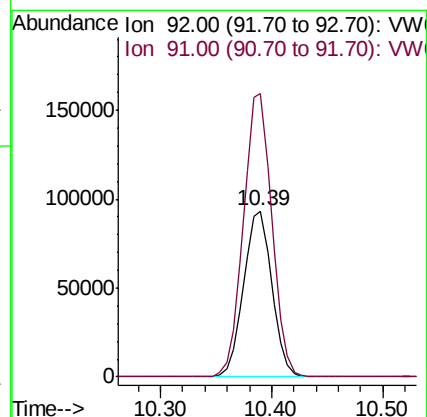
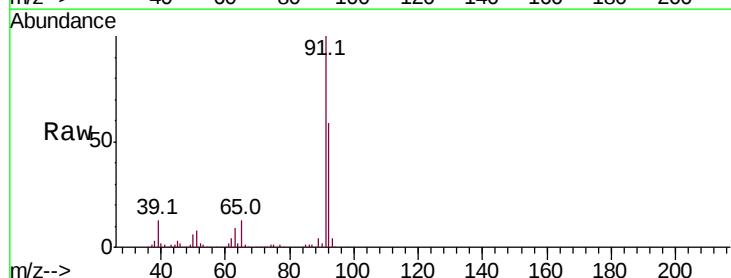
Acq: 05 Jun 2019 11:31

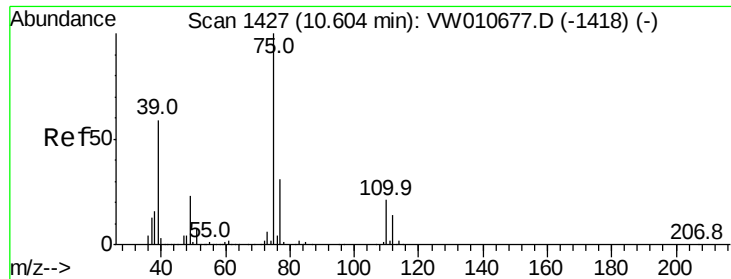
Tgt Ion: 92 Resp: 164051

Ion Ratio Lower Upper

92 100

91 172.2 134.9 202.3





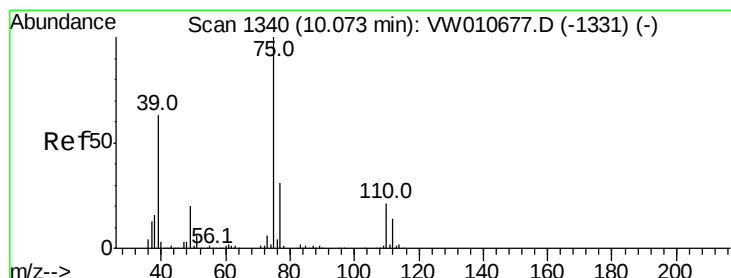
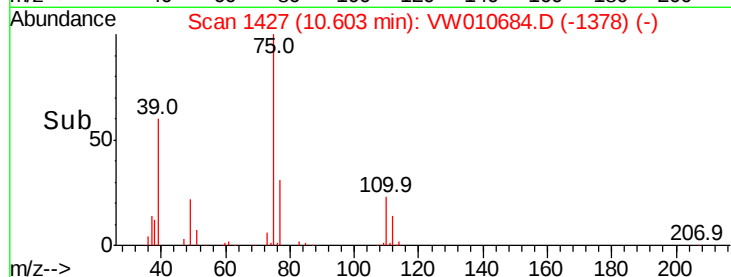
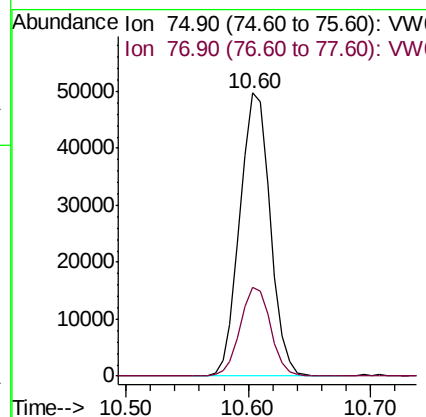
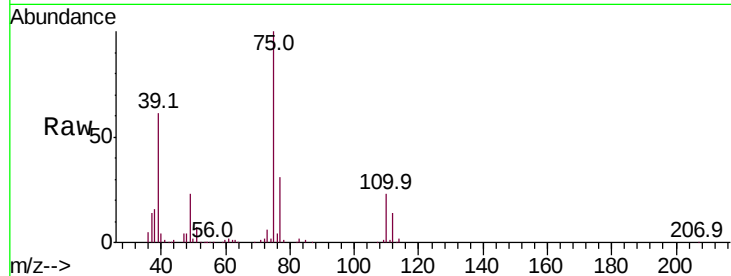
#53
t-1,3-Dichloropropene
Concen: 19.636 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW010684.D
Acq: 05 Jun 2019 11:31

Instrument :
MSVOA_W
ClientSampled :
VW0605SBS01

Tot Ion: 75 Resp: 85834
Ion Ratio Lower Upper
75 100
77 31.5 24.6 36.8

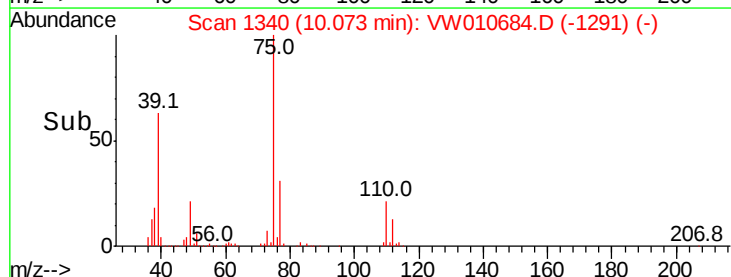
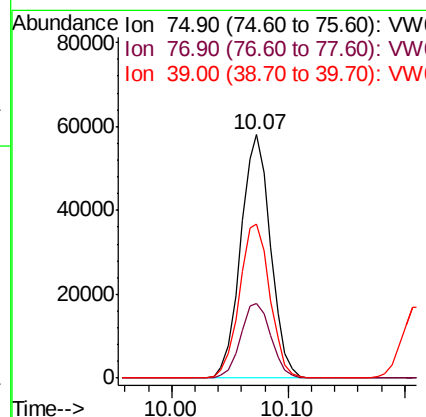
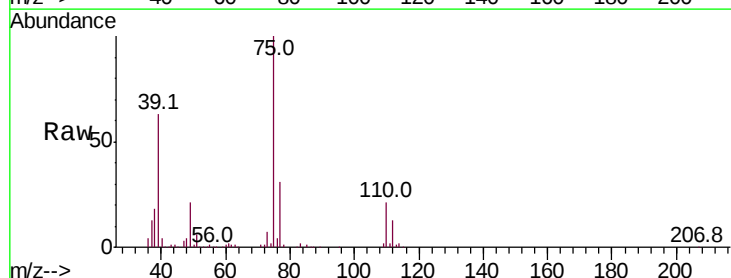
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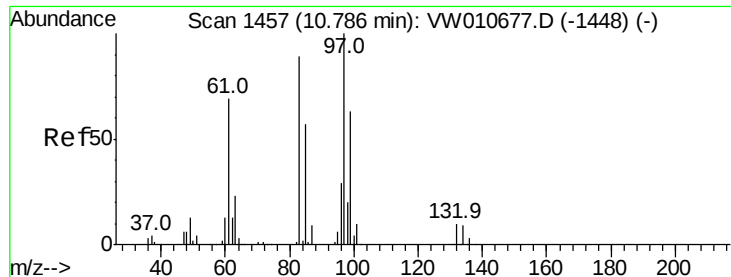
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#54
cis-1,3-Dichloropropene
Concen: 20.129 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW010684.D
Acq: 05 Jun 2019 11:31

Tgt Ion: 75 Resp: 103537
Ion Ratio Lower Upper
75 100
77 30.7 25.2 37.8
39 62.9 50.1 75.1





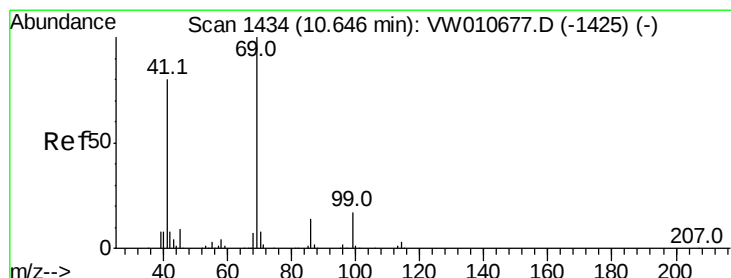
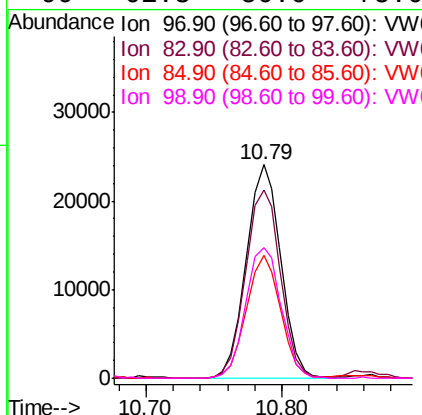
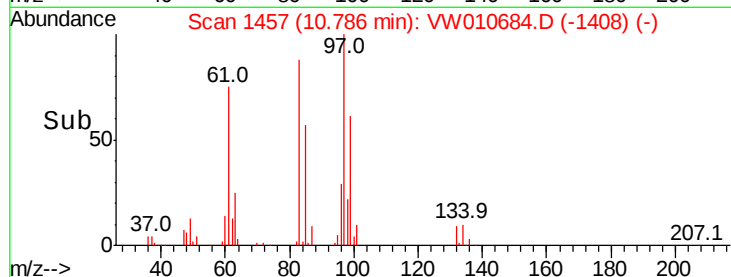
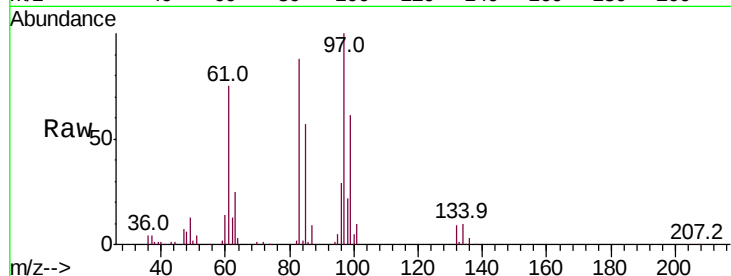
#55
 1,1,2-Trichloroethane
 Concen: 18.709 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010684.D
 Acq: 05 Jun 2019 11:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0605SBS01

Tot Ion:	97	Resp:	42909
Ion	Ratio	Lower	Upper
97	100		
83	88.0	71.1	106.7
85	57.5	45.2	67.8
99	61.3	50.0	75.0

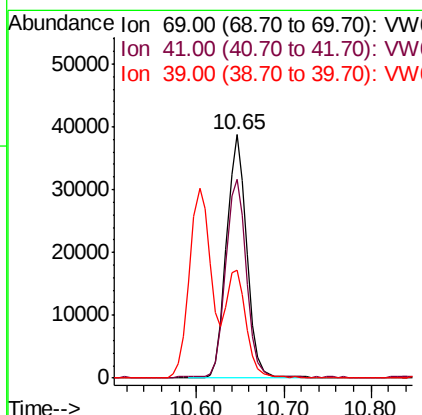
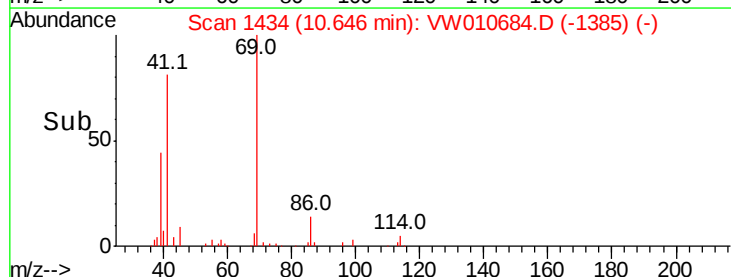
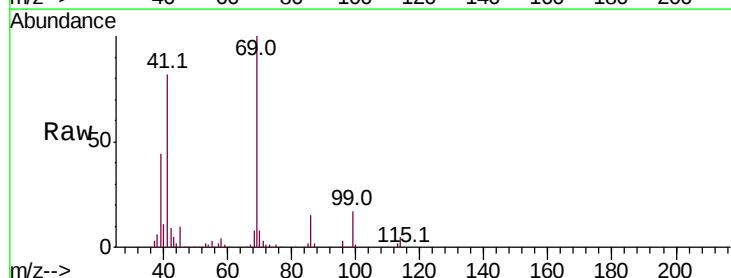
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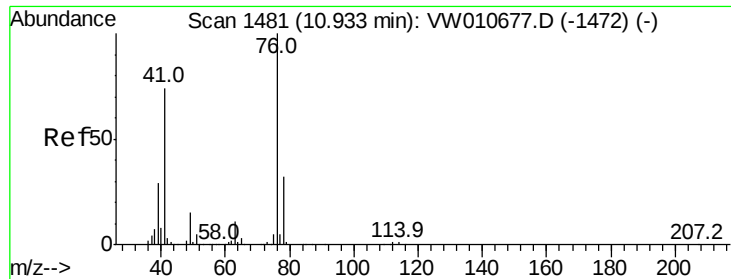
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#56
 Ethyl methacrylate
 Concen: 17.685 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010684.D
 Acq: 05 Jun 2019 11:31

Tgt Ion:	69	Resp:	62411
Ion	Ratio	Lower	Upper
69	100		
41	83.3	64.8	97.2
39	42.4	32.2	48.2





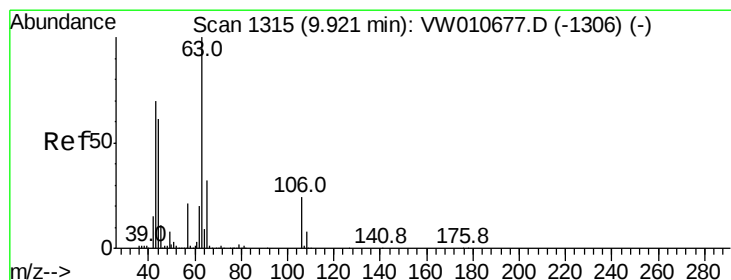
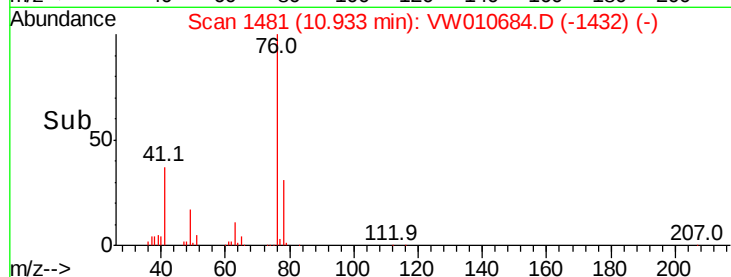
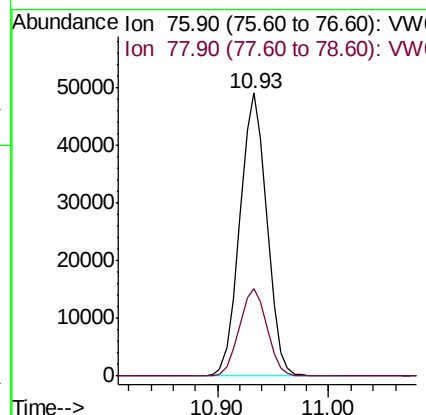
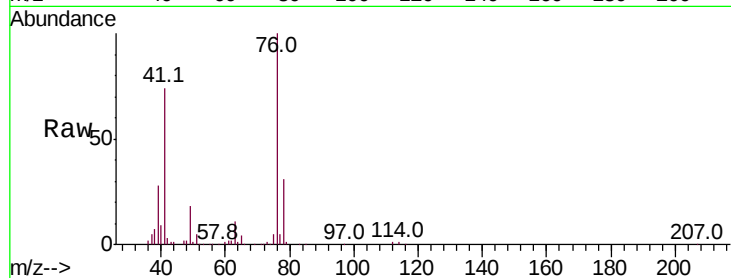
#57
 1,3-Dichloropropane
 Concen: 19.035 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW010684.D
 Acq: 05 Jun 2019 11:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0605SBS01

Tot Ion: 76 Resp: 82274
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.7 38.5

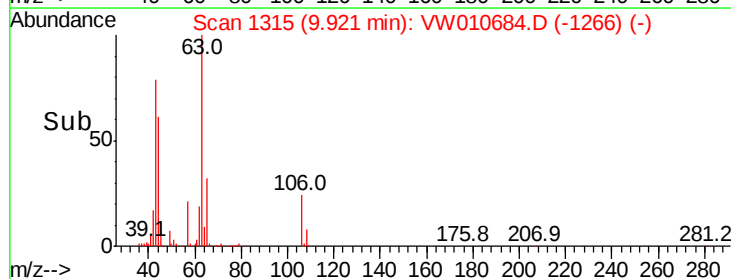
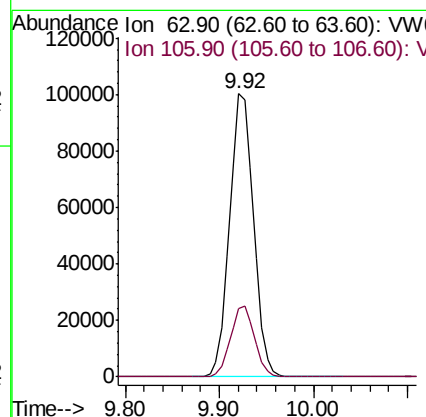
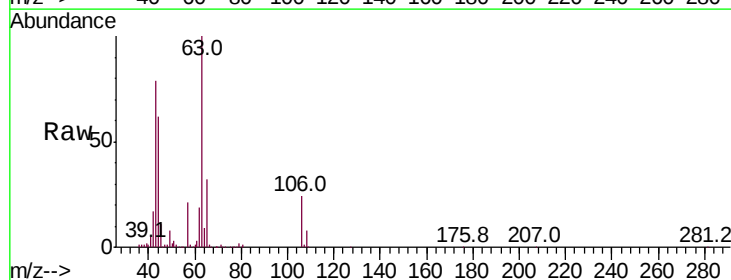
Manual Integrations
 APPROVED

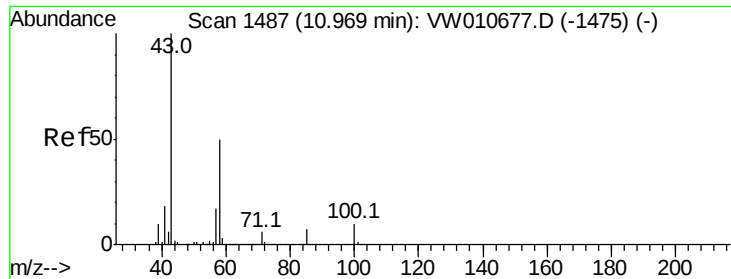
MMDadoda
 6/6/2019 11:51:39 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.931 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW010684.D
 Acq: 05 Jun 2019 11:31

Tgt Ion: 63 Resp: 177325
 Ion Ratio Lower Upper
 63 100
 106 25.0 20.1 30.1





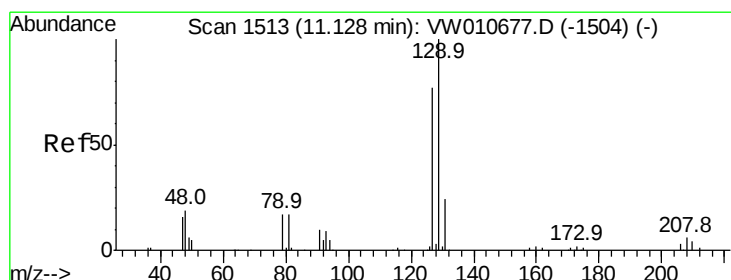
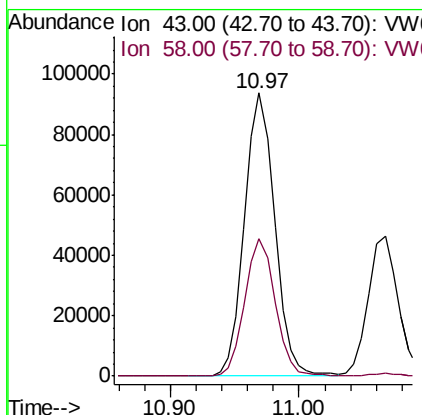
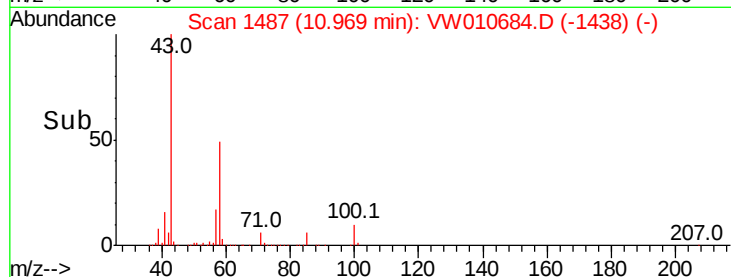
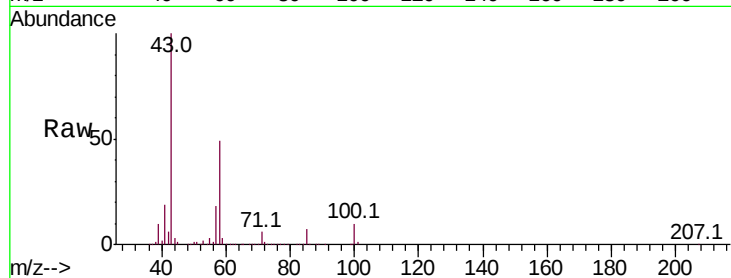
#59
2-Hexanone
Concen: 80.918 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010684.D
Acq: 05 Jun 2019 11:31

Instrument :
MSVOA_W
ClientSampled :
VW0605SBS01

Tot Ion: 43 Resp: 151814
Ion Ratio Lower Upper
43 100
58 48.9 24.9 74.6

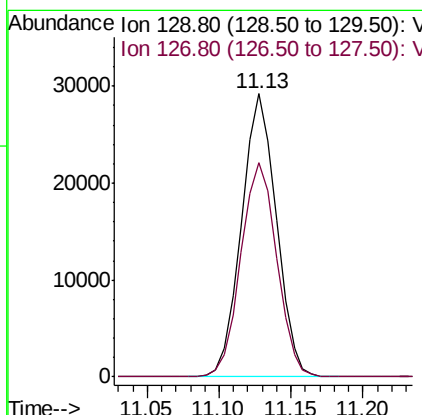
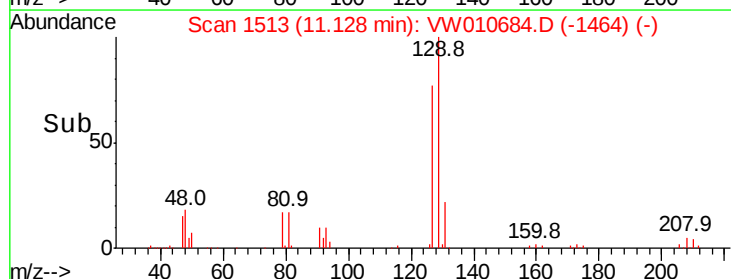
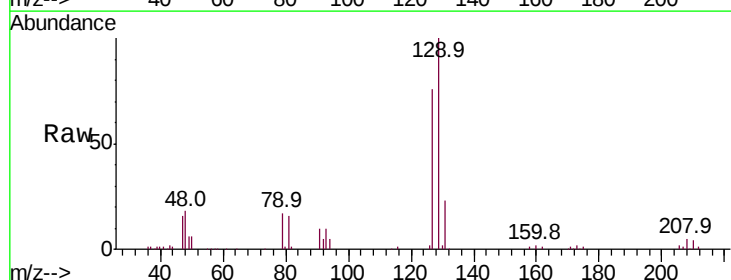
Manual Integrations
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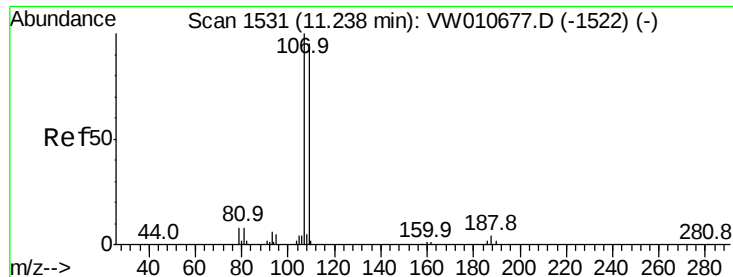
MMDadoda
6/6/2019 11:51:39 AM



#60
Dibromochloromethane
Concen: 19.272 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010684.D
Acq: 05 Jun 2019 11:31

Tgt Ion: 129 Resp: 48997
Ion Ratio Lower Upper
129 100
127 77.9 38.6 116.0





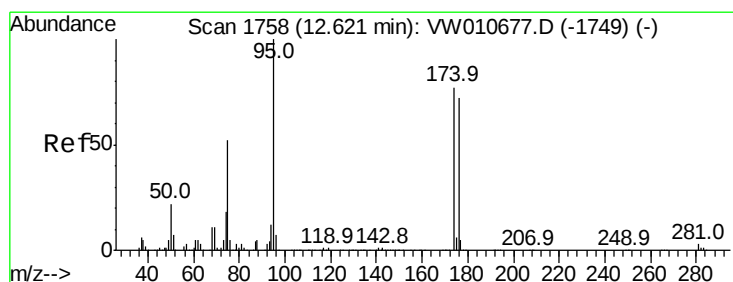
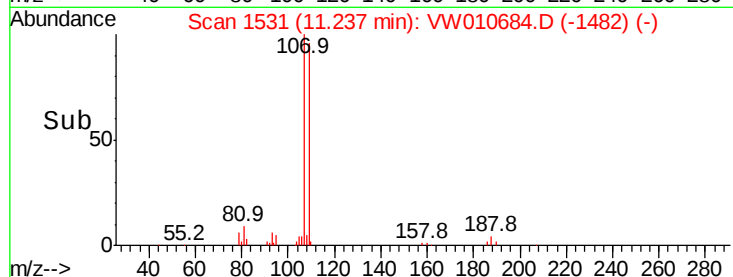
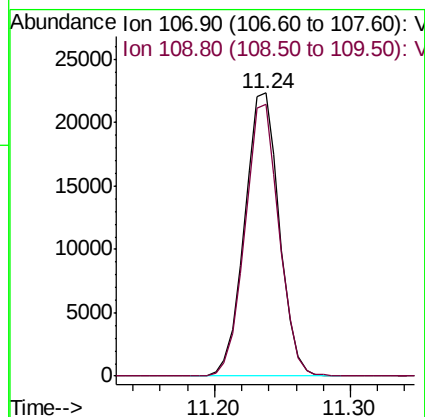
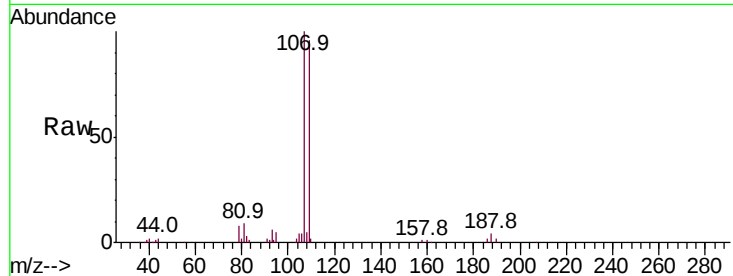
#61
1,2-Dibromoethane
Concen: 18.293 ug/l
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW010684.D
Acq: 05 Jun 2019 11:31

Instrument :
MSVOA_W
ClientSampleId :
VW0605SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.8	113.8

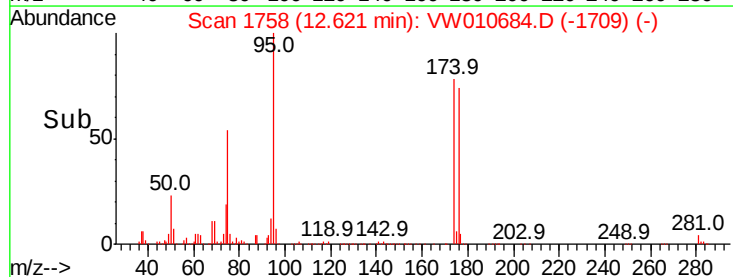
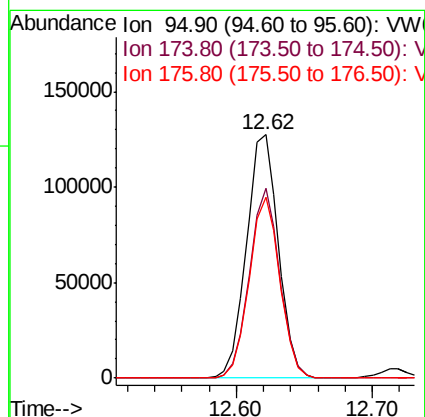
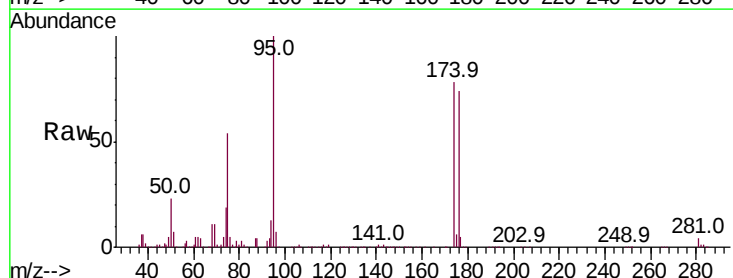
Manual Integrations
APPROVED

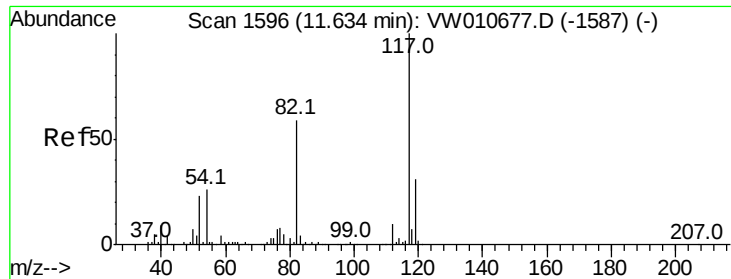
MMDadoda
6/6/2019 11:51:39 AM



#62
4-Bromofluorobenzene
Concen: 52.081 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW010684.D
Acq: 05 Jun 2019 11:31

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.4	0.0	150.4
176	71.8	0.0	144.8





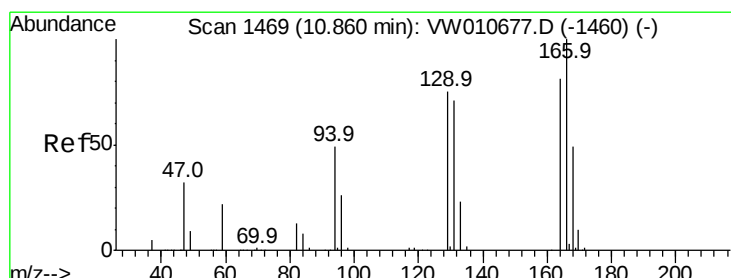
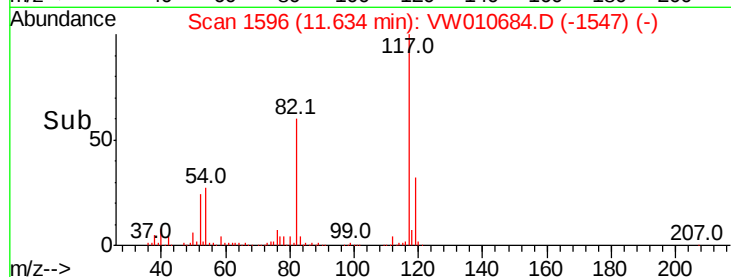
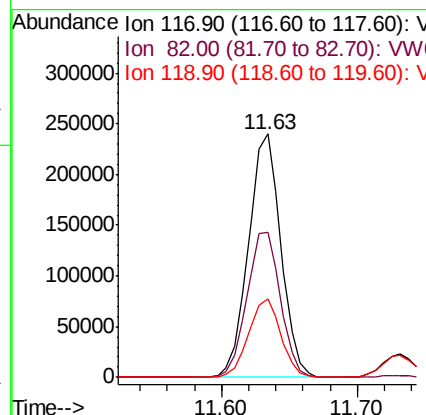
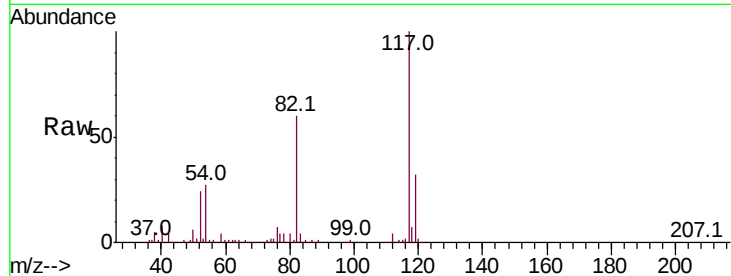
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010684.D
Acq: 05 Jun 2019 11:31

Instrument :
MSVOA_W
ClientSampleId :
VW0605SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.6	47.0	70.4
119	32.1	25.1	37.7

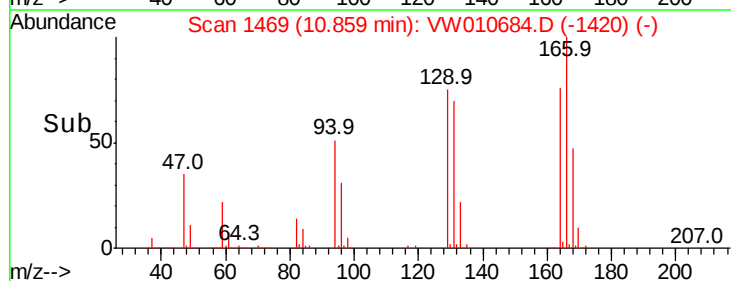
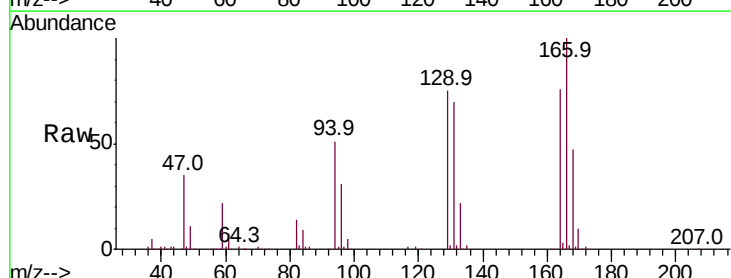
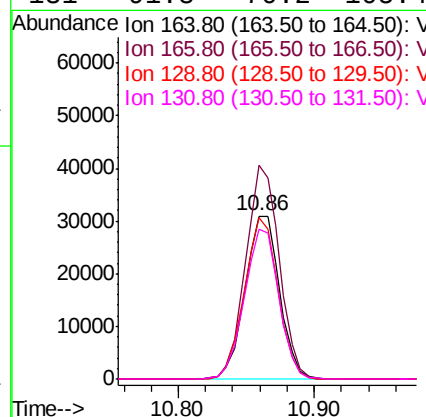
Manual Integrations
APPROVED

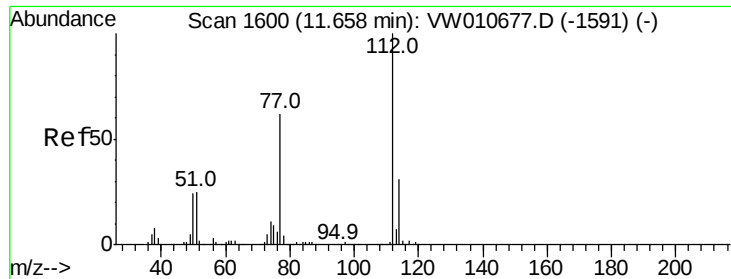
MMDadoda
6/6/2019 11:51:39 AM



#64
Tetrachloroethene
Concen: 20.639 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010684.D
Acq: 05 Jun 2019 11:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.2	99.2	148.8
129	98.7	74.6	112.0
131	91.8	70.2	105.4





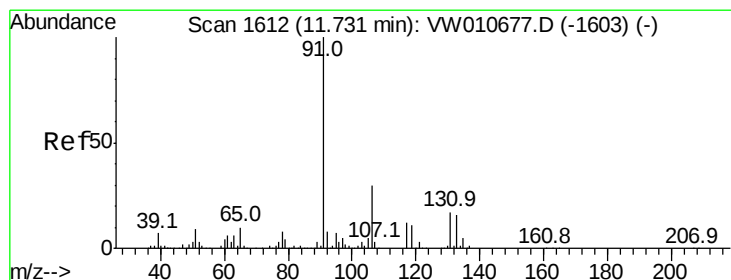
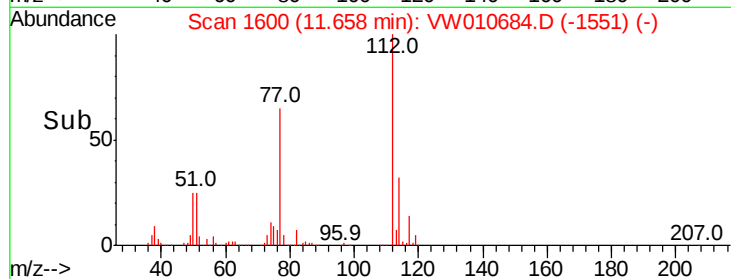
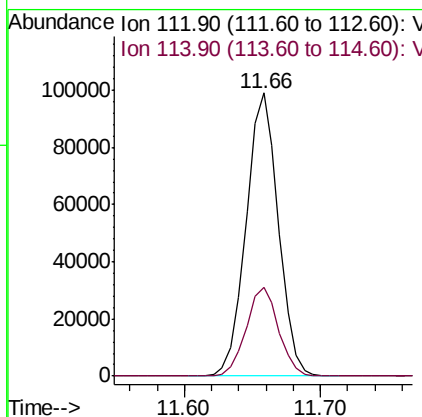
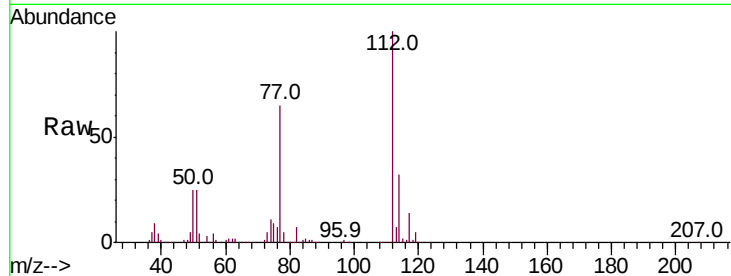
#65
Chlorobenzene
Concen: 20.861 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010684.D
Acq: 05 Jun 2019 11:31

Instrument :
MSVOA_W
ClientSampled :
VW0605SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.6	24.8	37.2

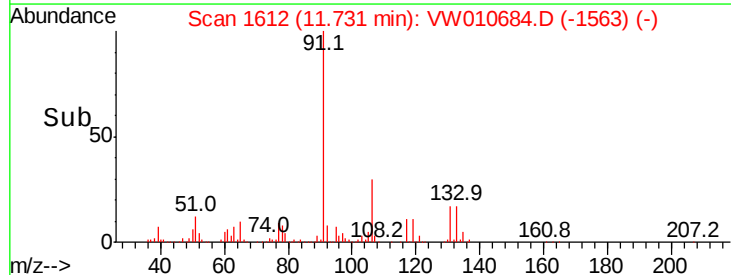
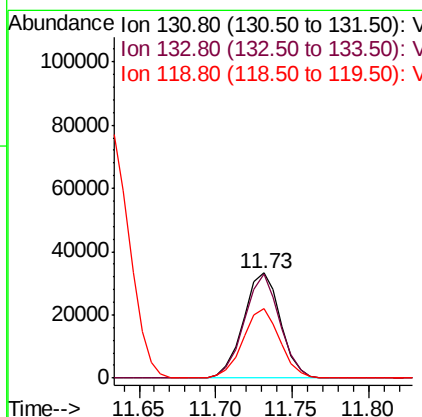
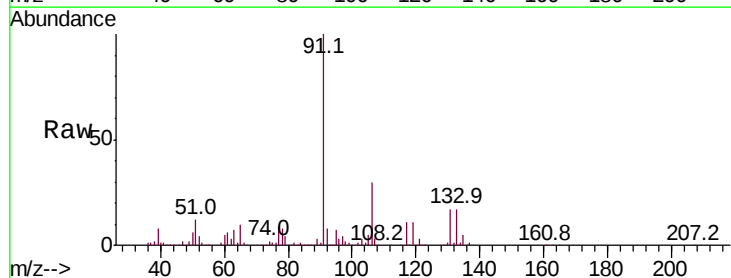
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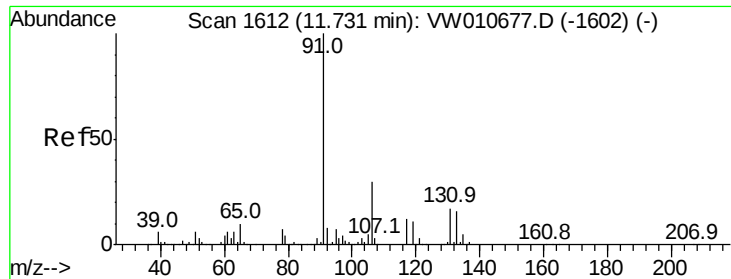
MMDadoda
6/6/2019 11:51:39 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.546 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010684.D
Acq: 05 Jun 2019 11:31

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.4	47.3	141.9
119	65.7	32.4	97.0





#67

Ethyl Benzene

Concen: 21.202 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW010684.D

Acq: 05 Jun 2019 11:31

Instrument :

MSVOA_W

ClientSampleId :

VW0605SBS01

Tot Ion: 91 Resp: 320595

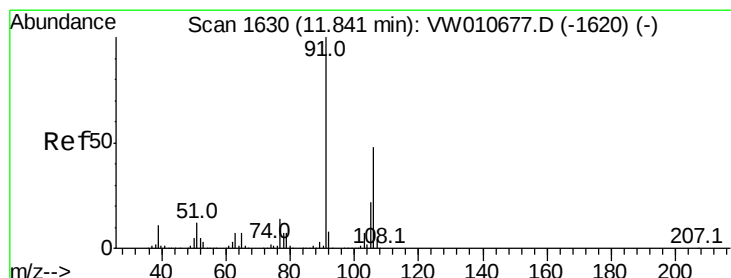
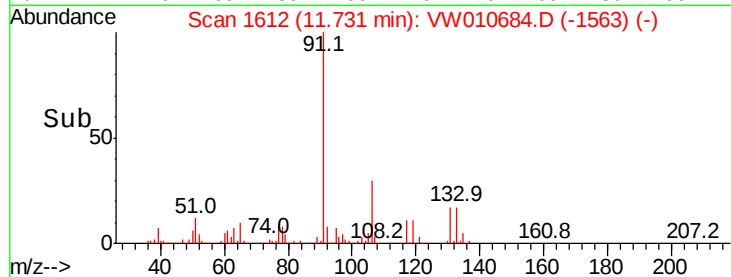
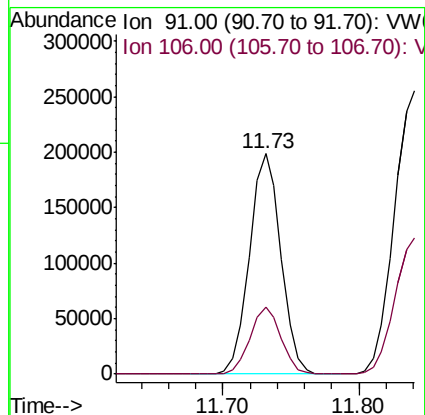
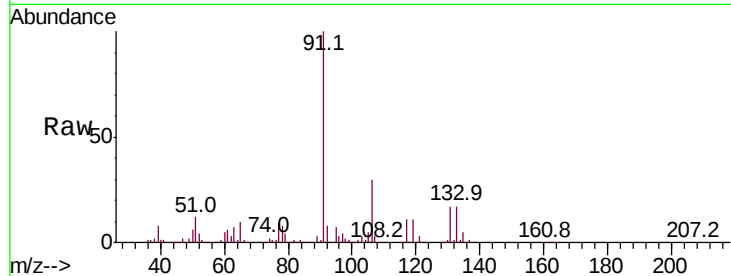
Ion Ratio Lower Upper

91 100

106 30.2 24.2 36.4

Manual Integrations
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6/6/2019 11:51:39 AM



#68

m/p-Xylenes

Concen: 42.127 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW010684.D

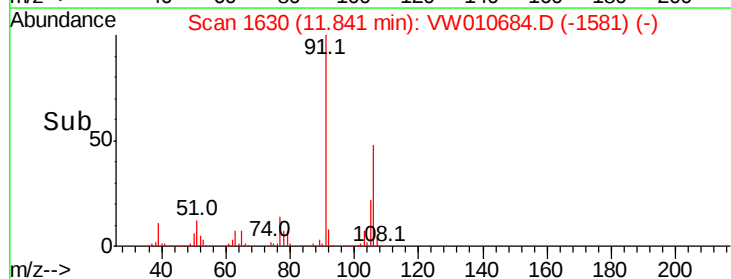
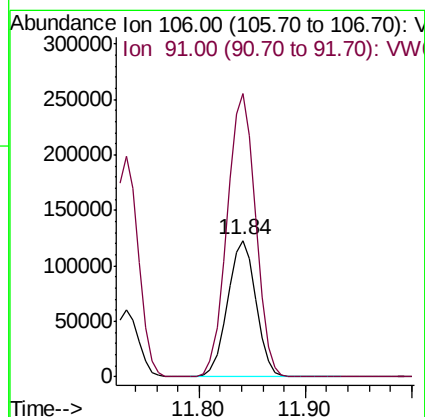
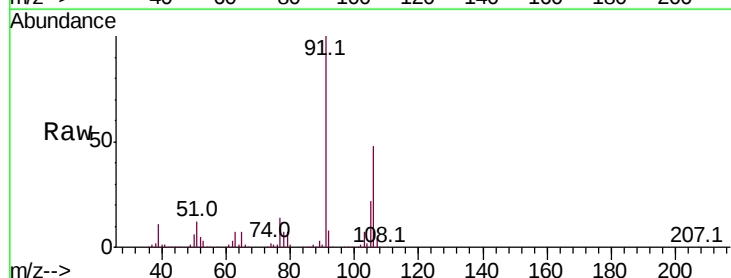
Acq: 05 Jun 2019 11:31

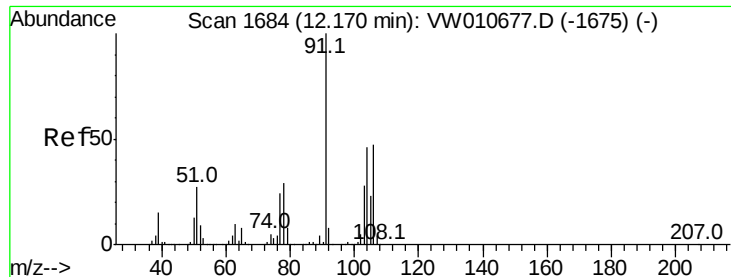
Tgt Ion: 106 Resp: 228024

Ion Ratio Lower Upper

106 100

91 209.5 166.5 249.7





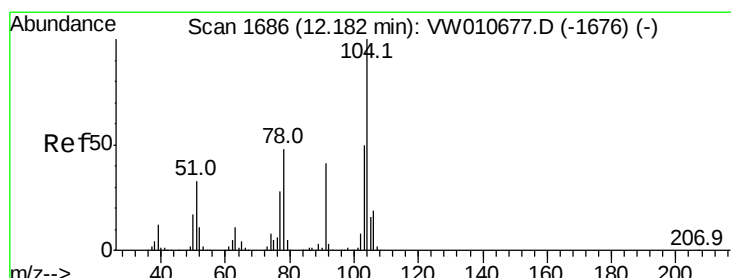
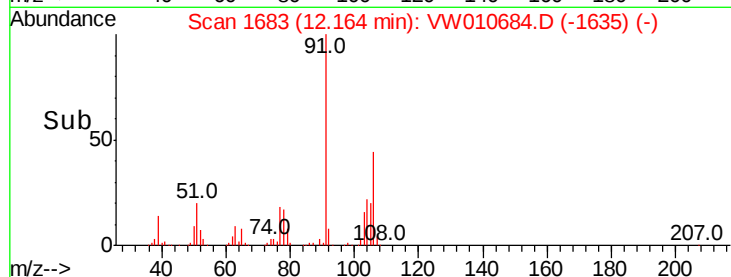
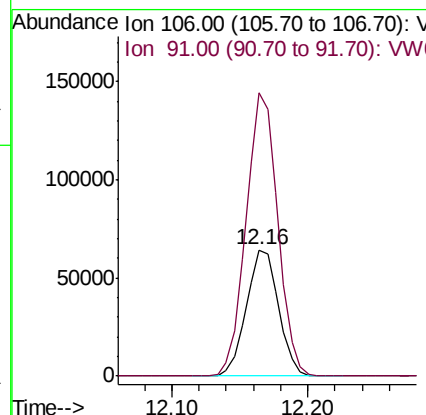
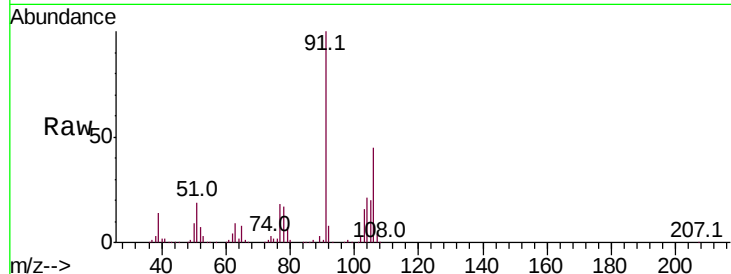
#69
o-Xylene
Concen: 20.698 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010684.D
Acq: 05 Jun 2019 11:31

Instrument :
MSVOA_W
ClientSampleId :
VW0605SBS01

Tot Ion	Ratio	Resp	Lower	Upper
106	100	106254		
91	221.9	108.9	326.6	

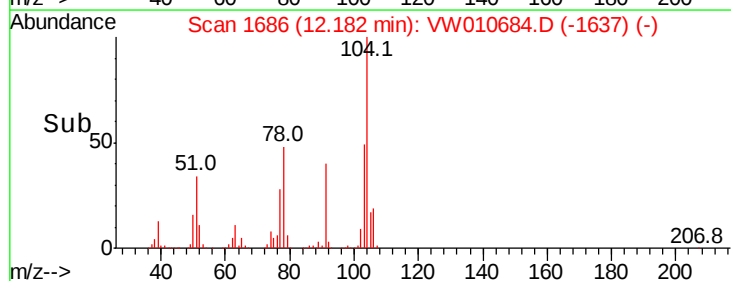
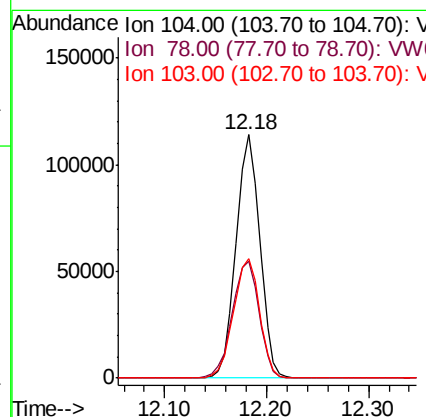
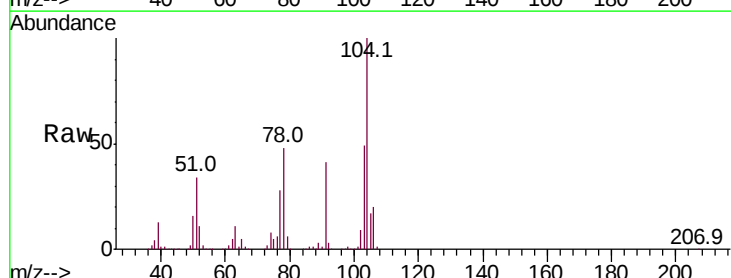
Manual Integrations
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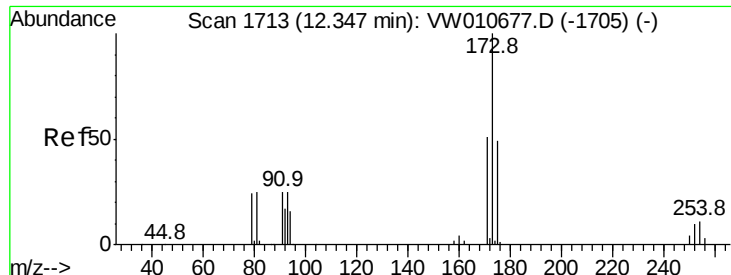
MMDadoda
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#70
Styrene
Concen: 20.607 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010684.D
Acq: 05 Jun 2019 11:31

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	183771		
78	54.2	42.7	64.1	
103	53.9	43.6	65.4	





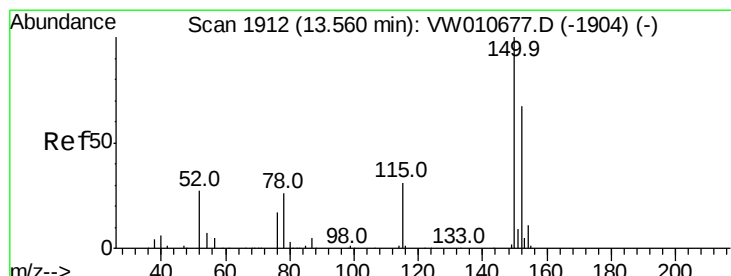
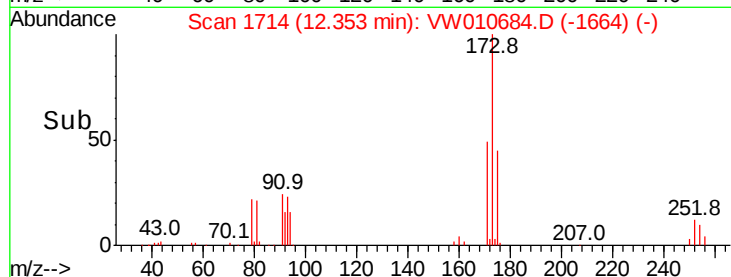
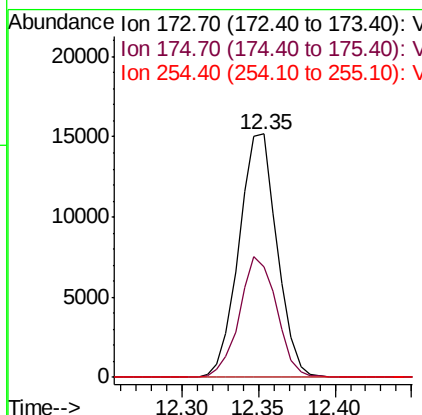
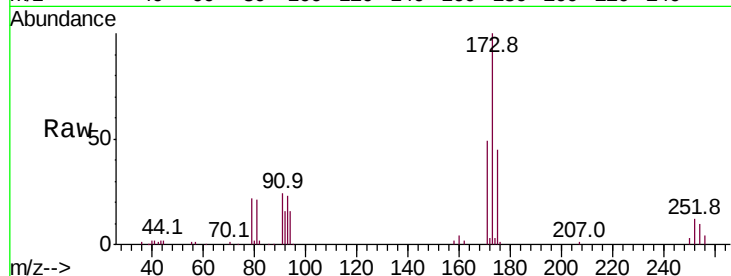
#71
Bromoform
Concen: 18.608 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.01 min
Lab File: VW010684.D
Acq: 05 Jun 2019 11:31

Instrument :
MSVOA_W
ClientSampleId :
VW0605SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.3	72.8
254	0.0	0.1	0.1#

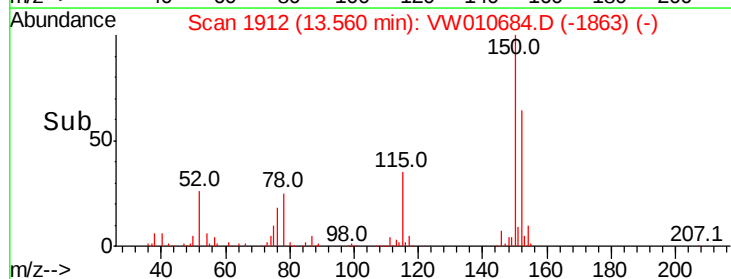
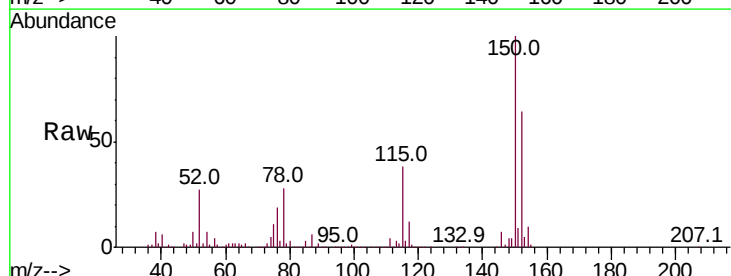
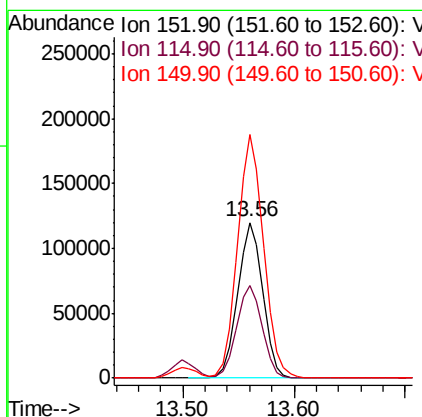
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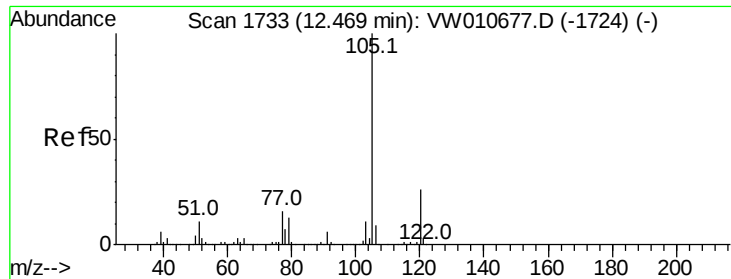
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010684.D
Acq: 05 Jun 2019 11:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.3	29.8	89.3
150	162.9	0.0	345.0





#73

Isopropylbenzene

Concen: 21.662 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW010684.D

Acq: 05 Jun 2019 11:31

Instrument :

MSVOA_W

ClientSampleId :

VW0605SBS01

Tot Ion:105 Resp: 303087

Ion Ratio Lower Upper

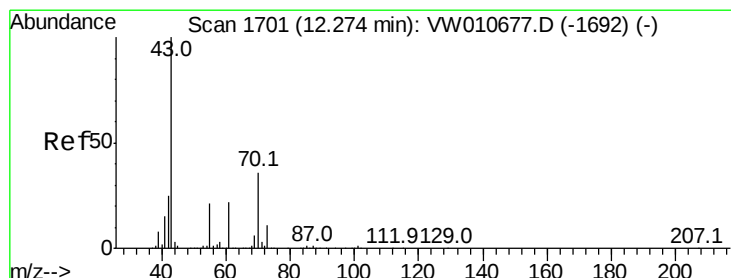
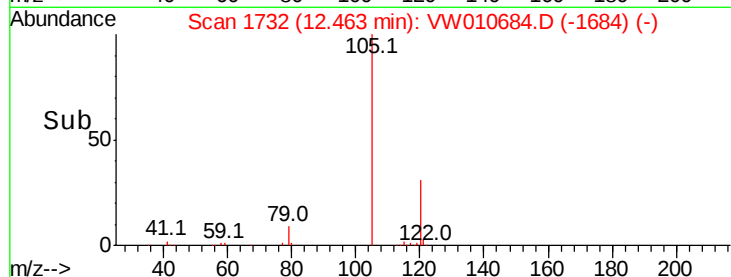
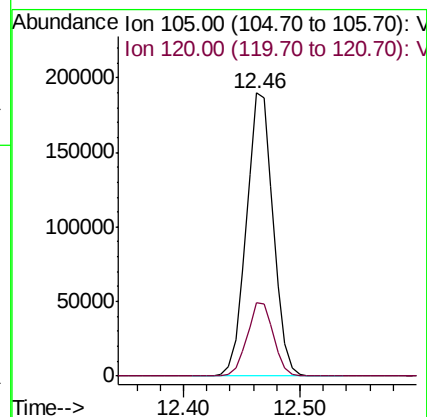
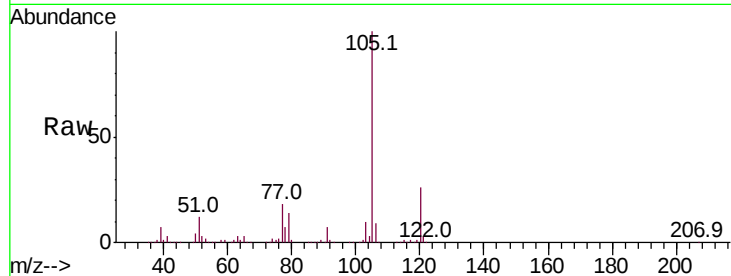
105 100

120 25.7 13.1 39.1

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#74

N-ethyl acetate

Concen: 17.613 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010684.D

Acq: 05 Jun 2019 11:31

Tgt Ion: 43 Resp: 79646

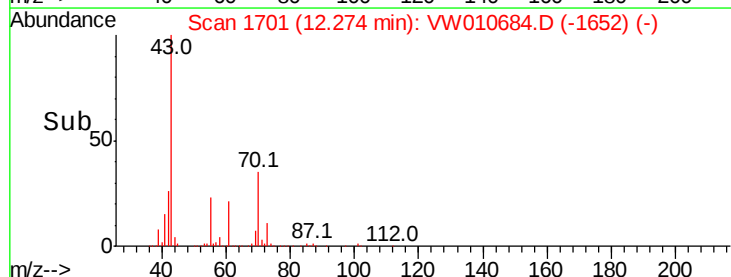
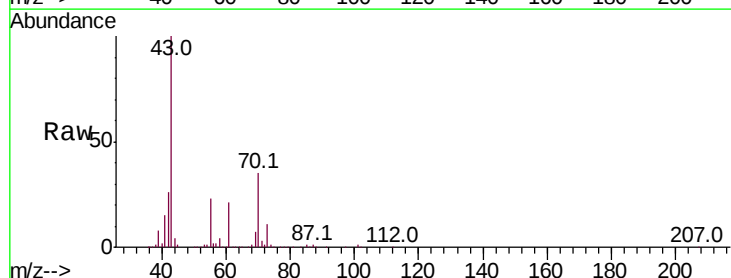
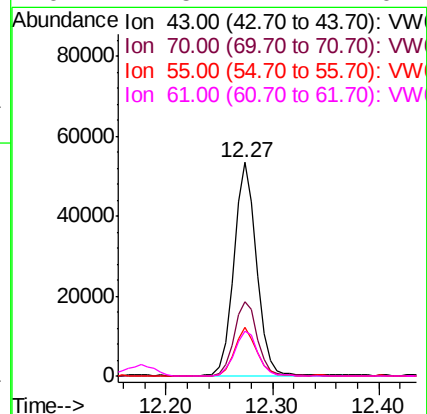
Ion Ratio Lower Upper

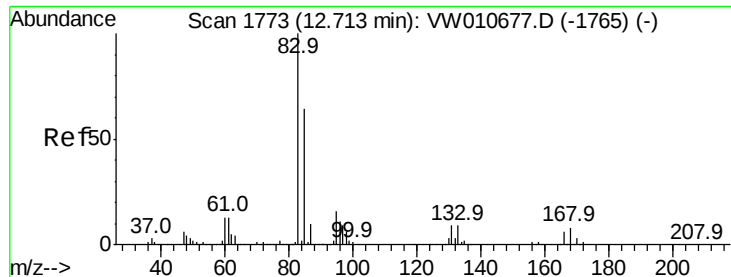
43 100

70 36.3 29.2 43.8

55 22.3 17.5 26.3

61 21.5 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 18.197 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW010684.D

Acq: 05 Jun 2019 11:31

Instrument :

MSVOA_W

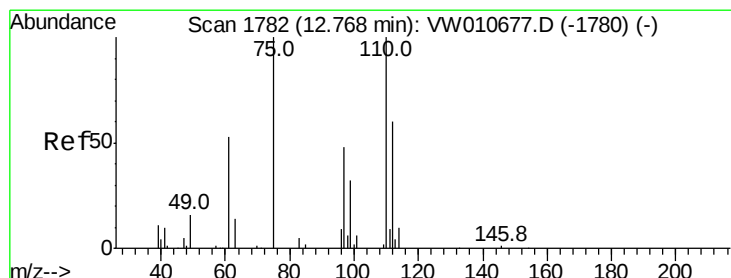
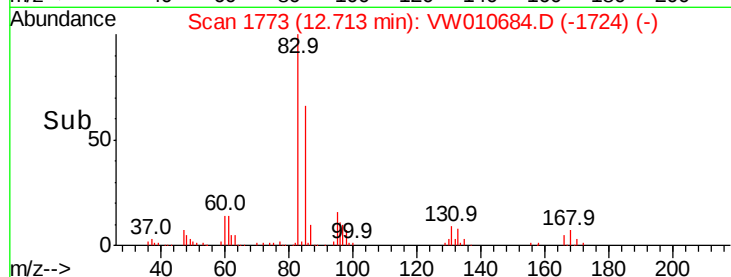
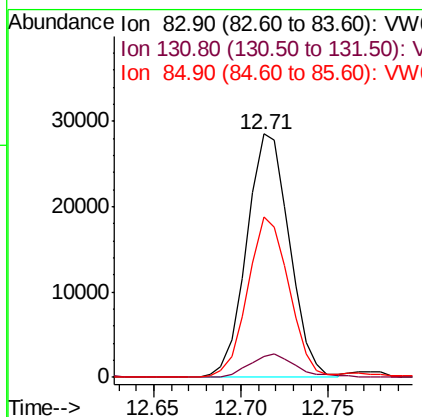
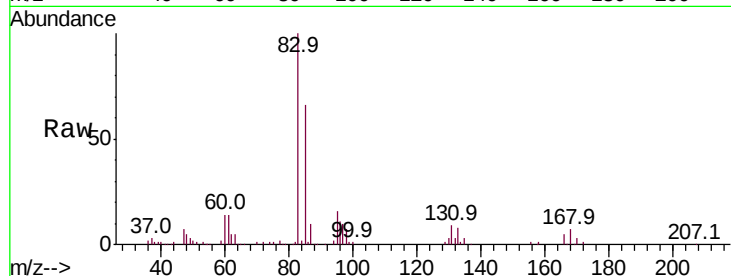
ClientSampled :

VW0605SBS01

Tot Ion:	83	Resp:	48471
Ion Ratio	Lower	Upper	
83	100		
131	10.3	4.9	14.7
85	63.7	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 17.921 ug/l m

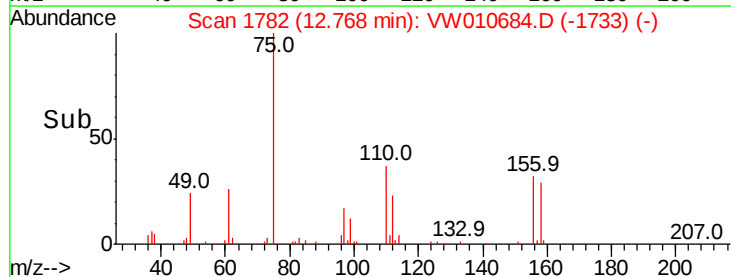
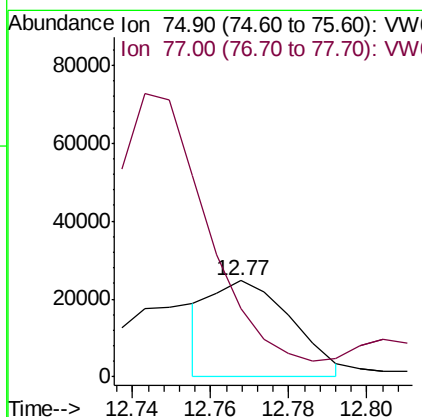
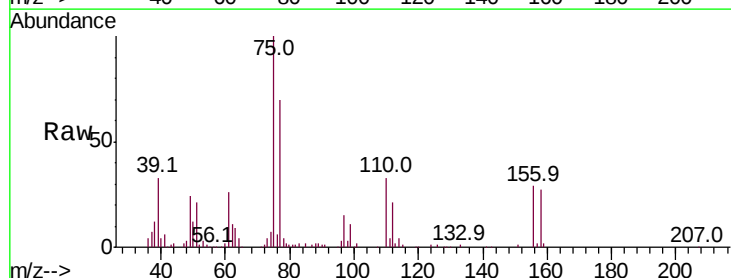
RT: 12.77 min Scan# 1782

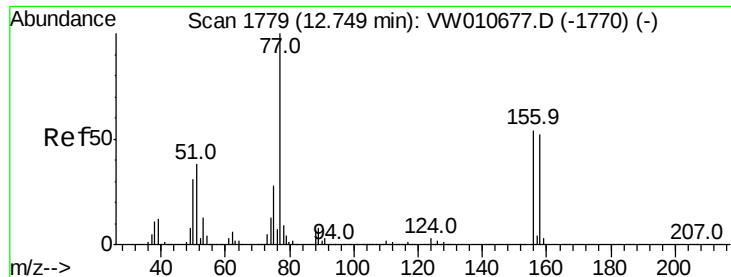
Delta R.T. -0.00 min

Lab File: VW010684.D

Acq: 05 Jun 2019 11:31

Tgt Ion:	75	Resp:	35041
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.847 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010684.D

Acq: 05 Jun 2019 11:31

Instrument :

MSVOA_W

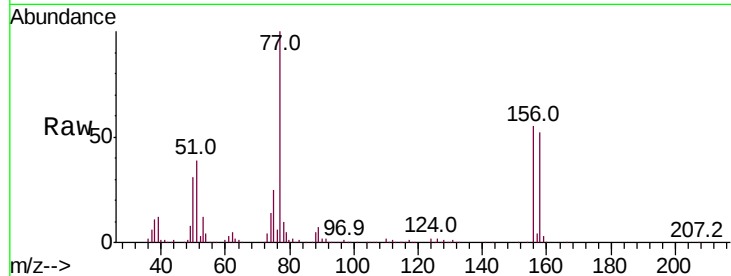
ClientSampled :

VW0605SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	207.8	106.5	319.4
158	96.2	48.3	144.9

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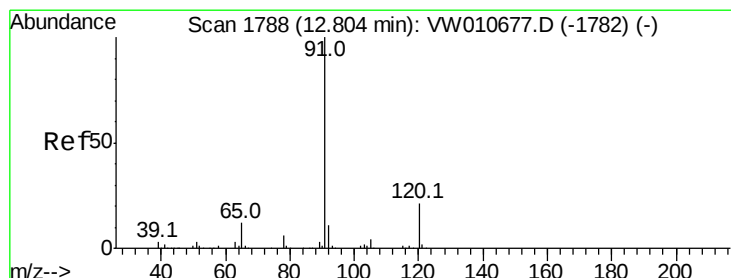
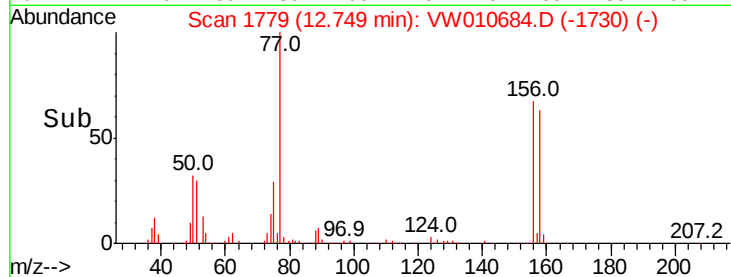
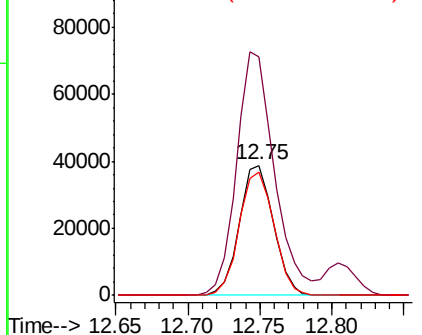


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.679 ug/l

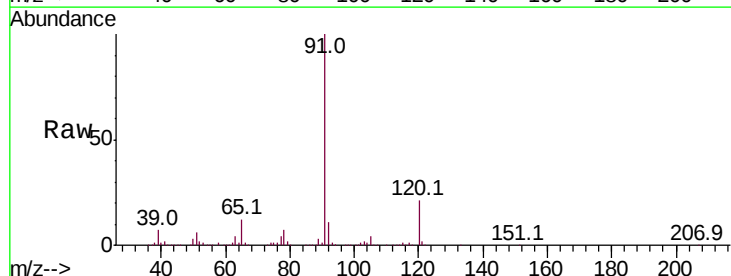
RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010684.D

Acq: 05 Jun 2019 11:31

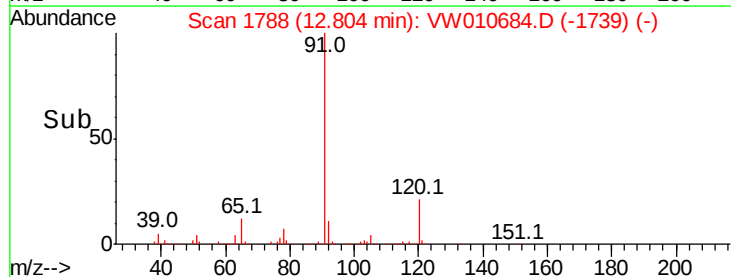
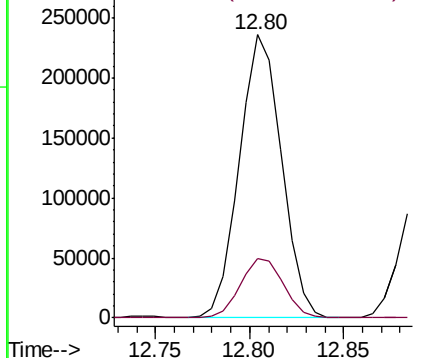
Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.4	10.8	32.4

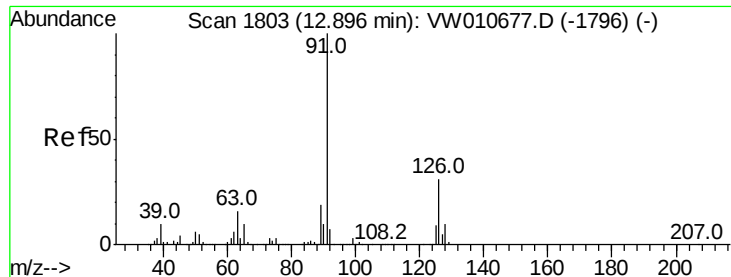


Abundance

Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.428 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010684.D

Acq: 05 Jun 2019 11:31

Instrument :

MSVOA_W

ClientSampleId :

VW0605SBS01

Tot Ion: 91 Resp: 206543

Ion Ratio Lower Upper

91 100

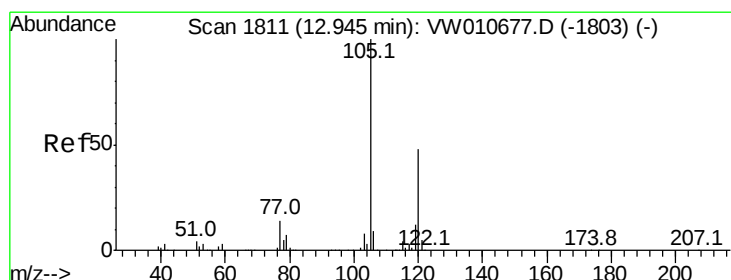
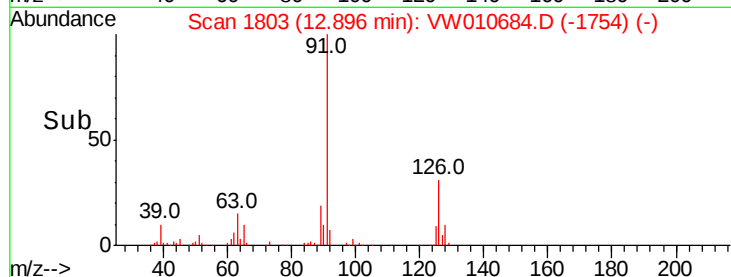
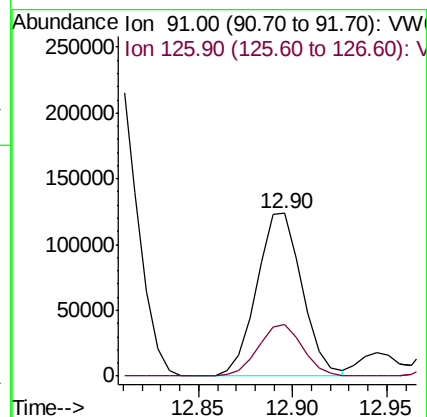
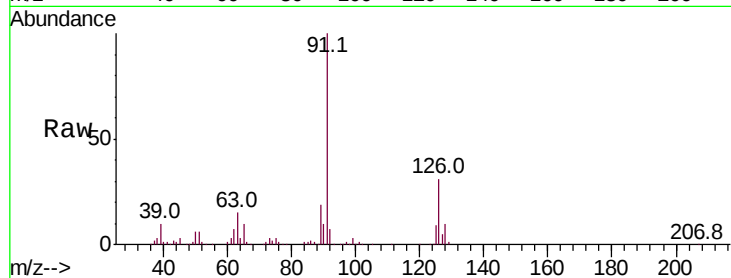
126 31.0 15.7 47.0

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#80

1,3,5-Trimethylbenzene

Concen: 21.391 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010684.D

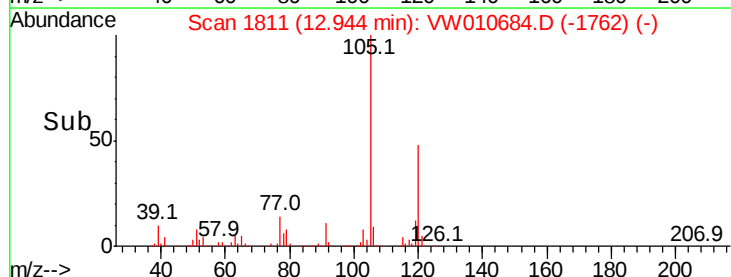
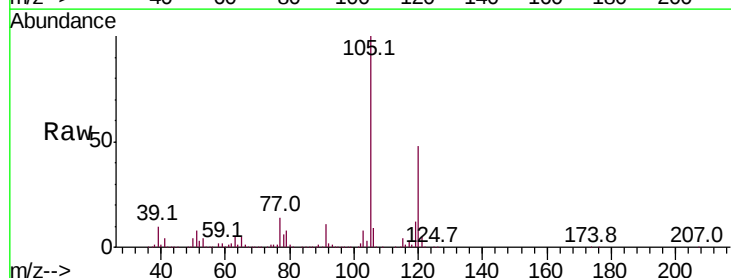
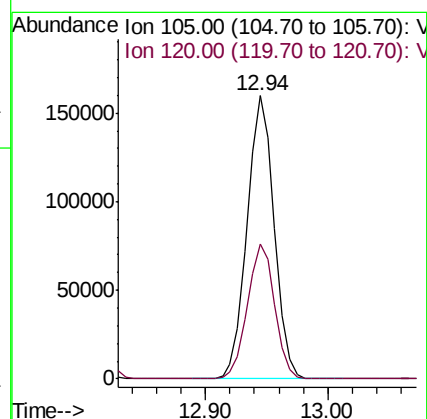
Acq: 05 Jun 2019 11:31

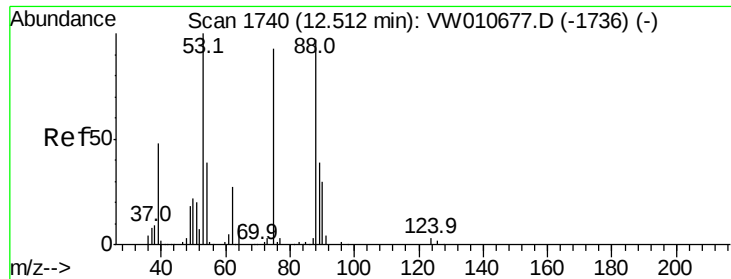
Tgt Ion: 105 Resp: 244978

Ion Ratio Lower Upper

105 100

120 48.0 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 18.057 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW010684.D

Acq: 05 Jun 2019 11:31

Instrument :

MSVOA_W

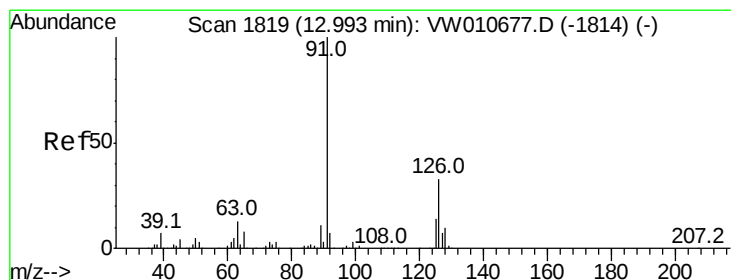
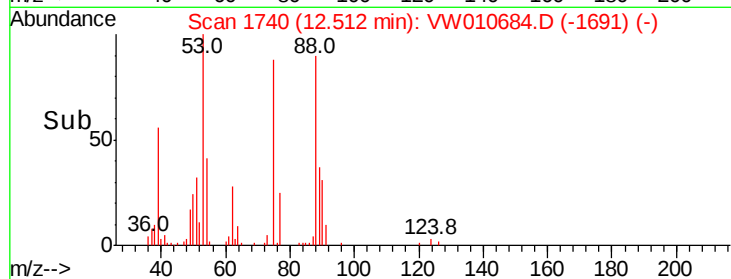
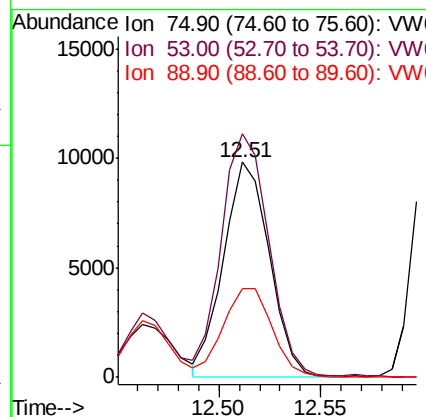
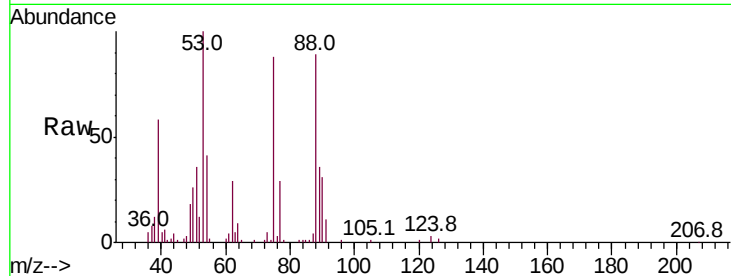
ClientSampled :

VW0605SBS01

Tot Ion:	75	Resp:	15362
Ion	Ratio	Lower	Upper
75	100		
53	115.9	90.1	135.1
89	44.2	34.6	52.0

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#82

4-Chlorotoluene

Concen: 21.264 ug/l

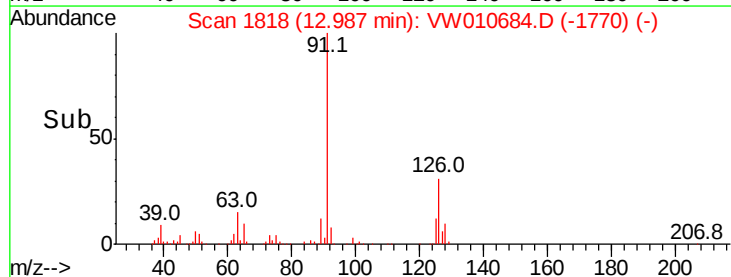
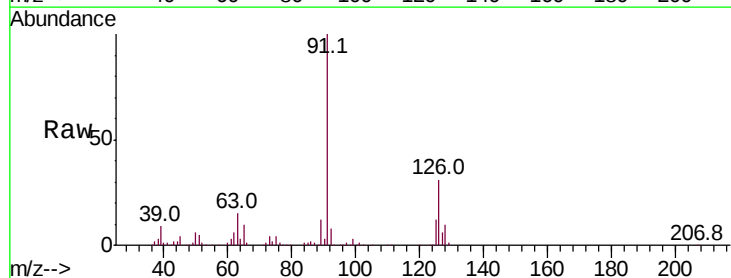
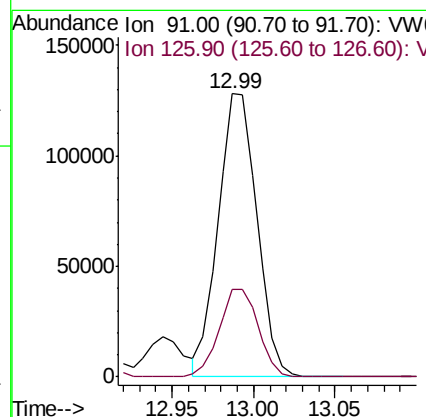
RT: 12.99 min Scan# 1818

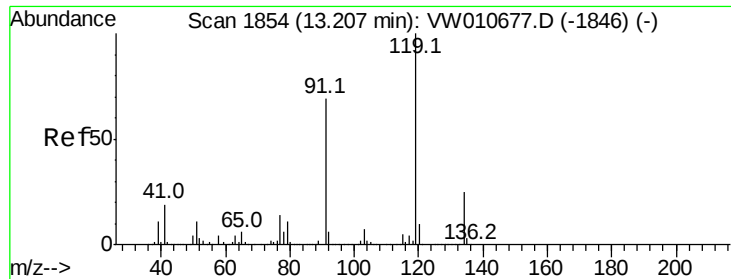
Delta R.T. -0.01 min

Lab File: VW010684.D

Acq: 05 Jun 2019 11:31

Tgt Ion:	91	Resp:	211515
Ion	Ratio	Lower	Upper
91	100		
126	31.5	15.9	47.7





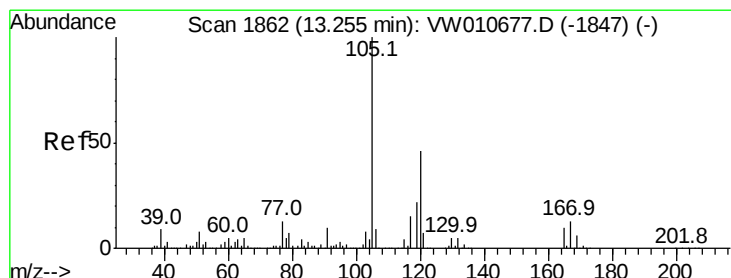
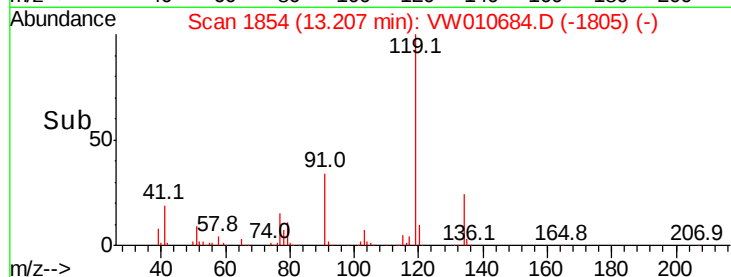
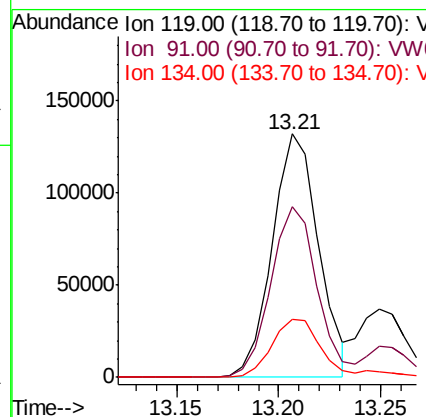
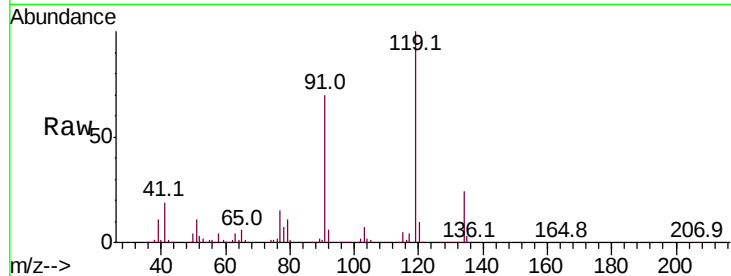
#83
tert-Butylbenzene
Concen: 21.543 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW010684.D
Acq: 05 Jun 2019 11:31

Instrument :
MSVOA_W
ClientSampleId :
VW0605SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	209386		
91	70.8	35.1	105.3	
134	26.9	13.6	40.7	

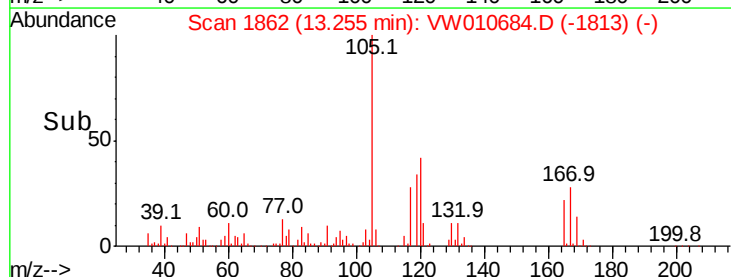
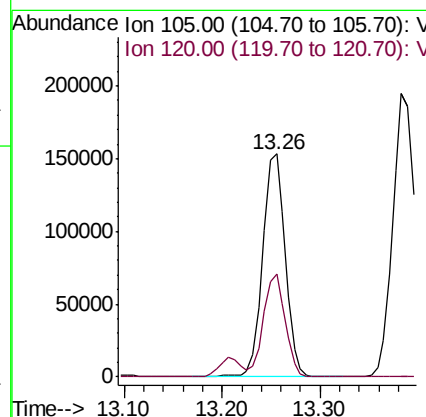
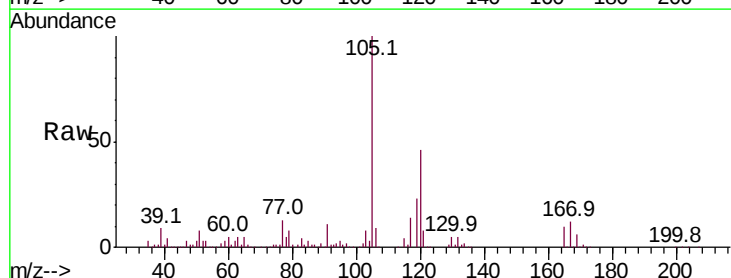
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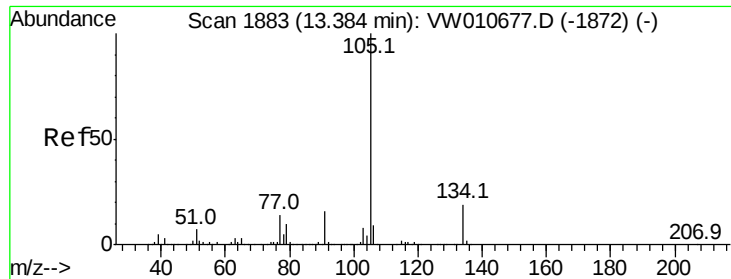
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#84
1,2,4-Trimethylbenzene
Concen: 21.272 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW010684.D
Acq: 05 Jun 2019 11:31

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	245145		
120	44.6	22.5	67.5	





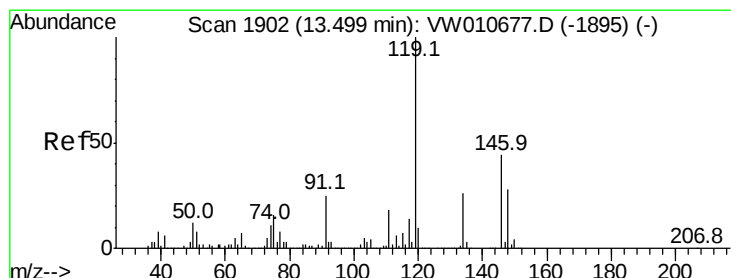
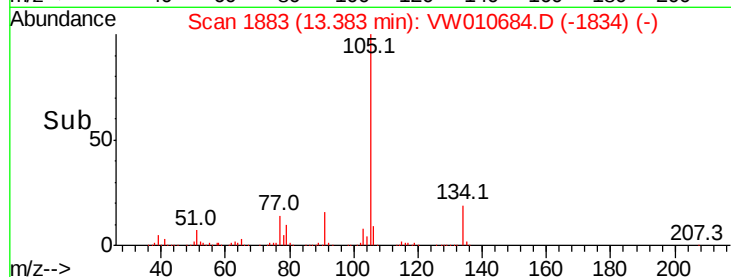
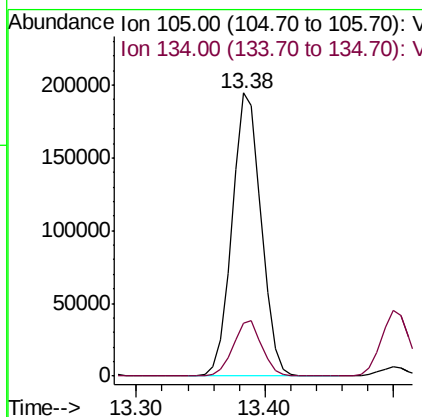
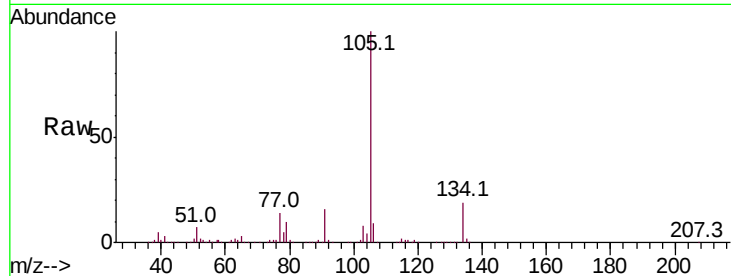
#85
 sec-Butylbenzene
 Concen: 21.536 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW010684.D
 Acq: 05 Jun 2019 11:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0605SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.7	28.9

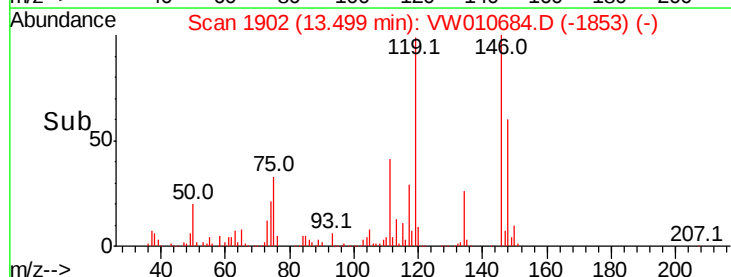
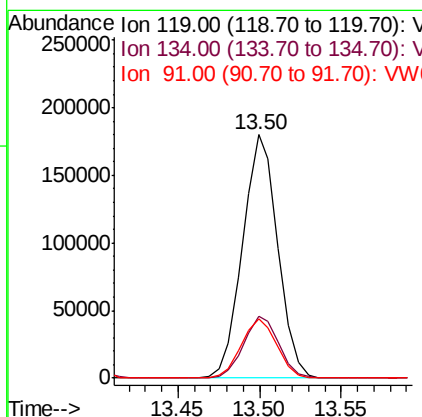
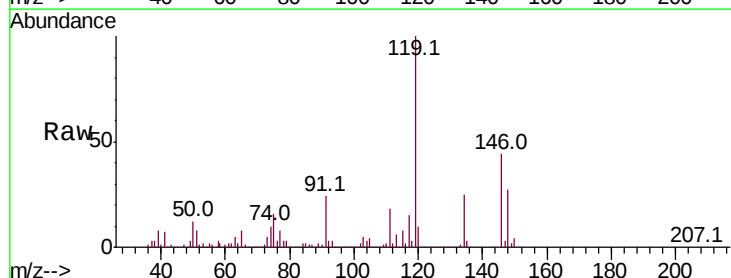
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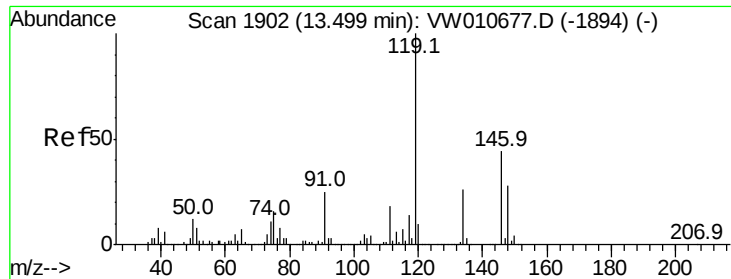
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#86
 p-Isopropyltoluene
 Concen: 21.239 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010684.D
 Acq: 05 Jun 2019 11:31

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.4	13.0	39.0
91	24.5	12.2	36.4





#87

1,3-Dichlorobenzene

Concen: 21.012 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010684.D

Acq: 05 Jun 2019 11:31

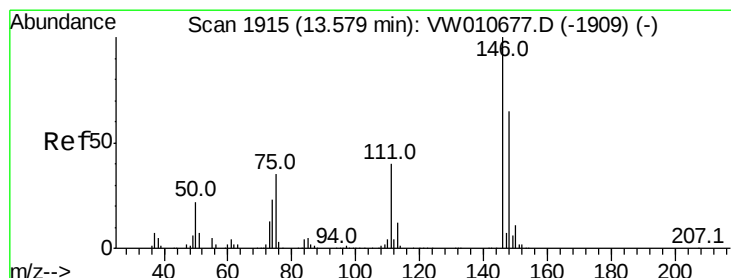
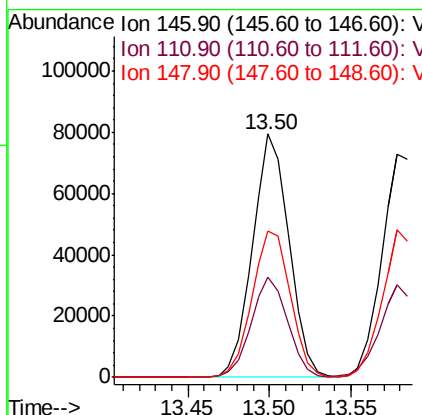
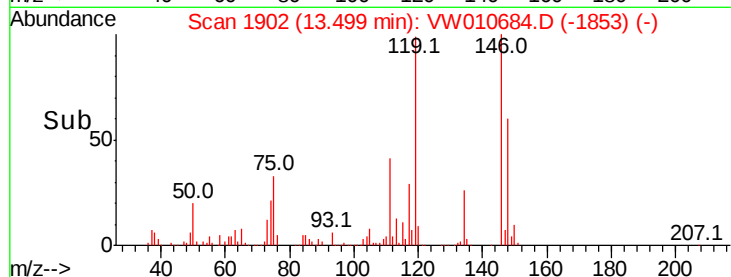
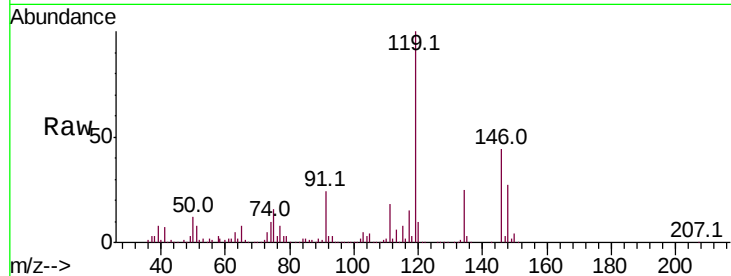
Instrument :
MSVOA_W

ClientSampleId :
VW0605SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	123759		
111	41.1	20.4	61.3	
148	63.1	31.5	94.5	

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#88

1,4-Dichlorobenzene

Concen: 20.616 ug/l

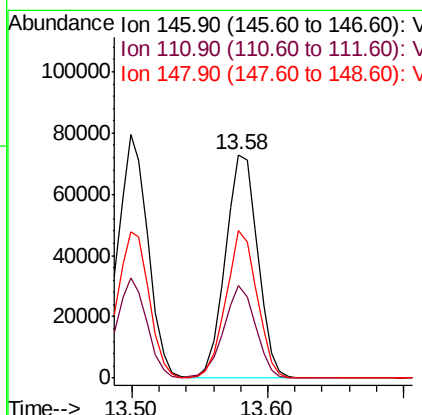
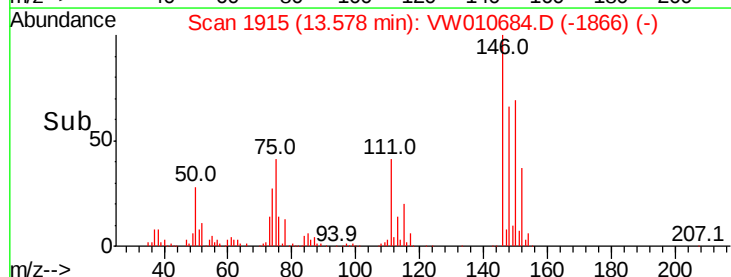
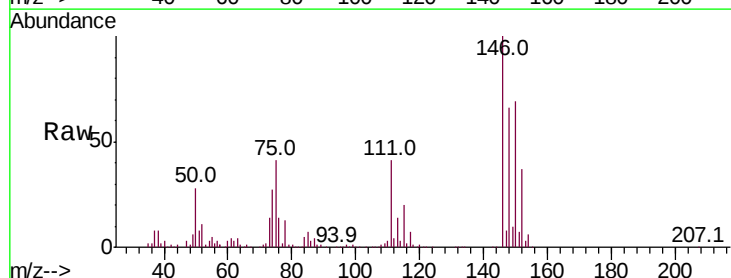
RT: 13.58 min Scan# 1915

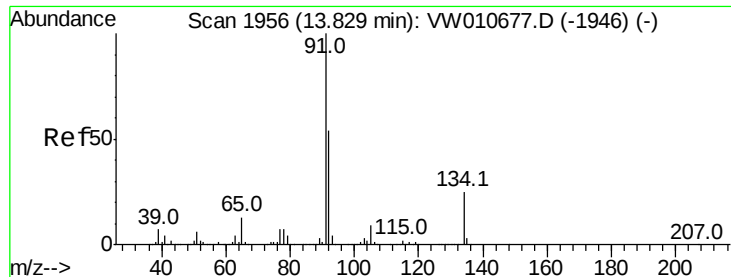
Delta R.T. -0.00 min

Lab File: VW010684.D

Acq: 05 Jun 2019 11:31

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	120377		
111	41.1	20.3	60.9	
148	63.7	32.4	97.2	





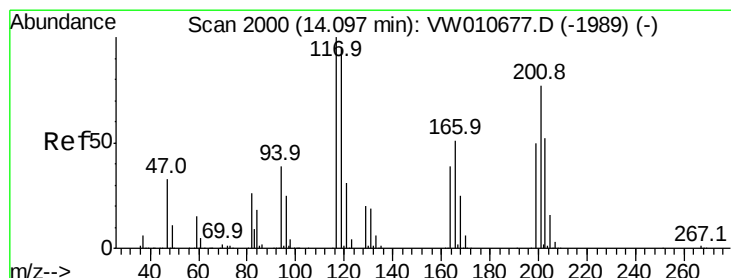
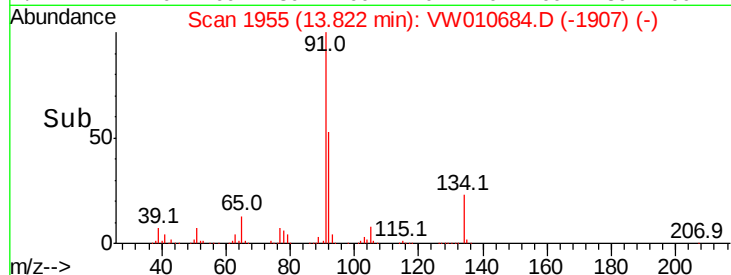
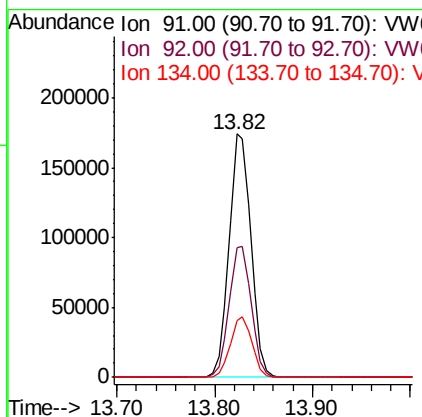
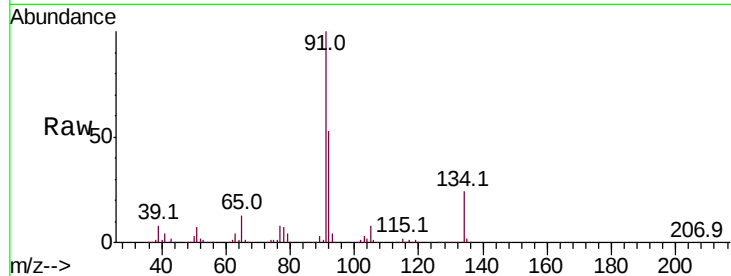
#89
n-Butylbenzene
Concen: 21.346 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.01 min
Lab File: VW010684.D
Acq: 05 Jun 2019 11:31

Instrument :
MSVOA_W
ClientSampleId :
VW0605SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.3	27.3	81.8
134	24.7	12.3	36.9

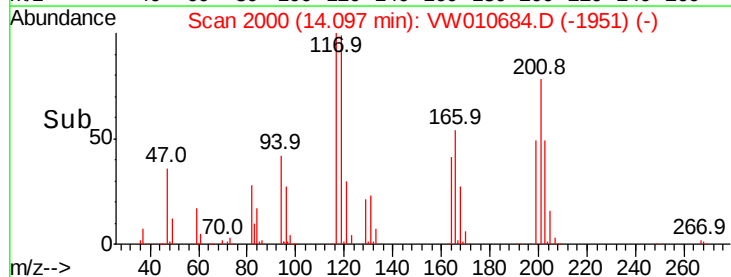
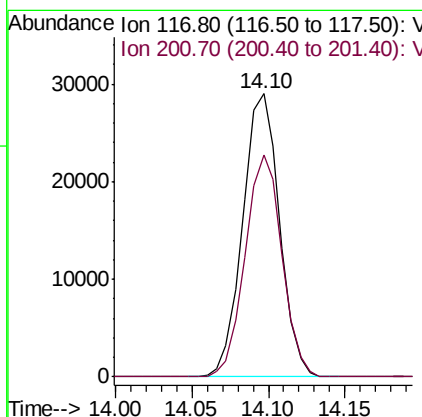
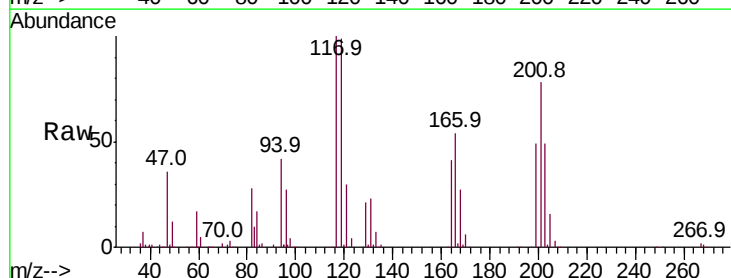
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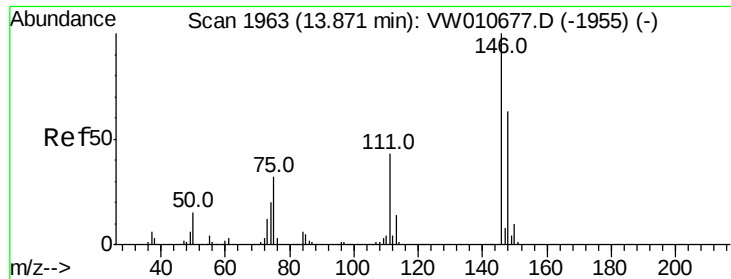
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#90
Hexachloroethane
Concen: 21.389 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW010684.D
Acq: 05 Jun 2019 11:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.6	38.8	116.4





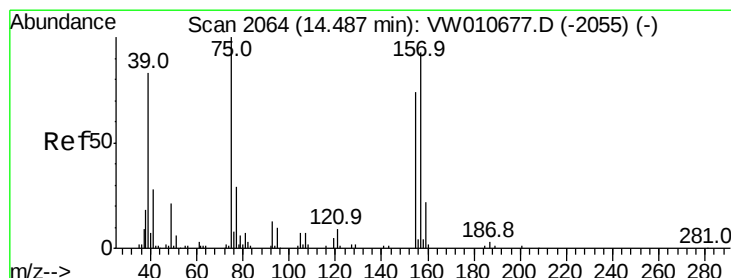
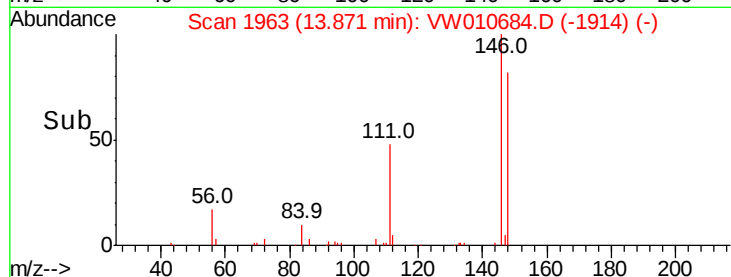
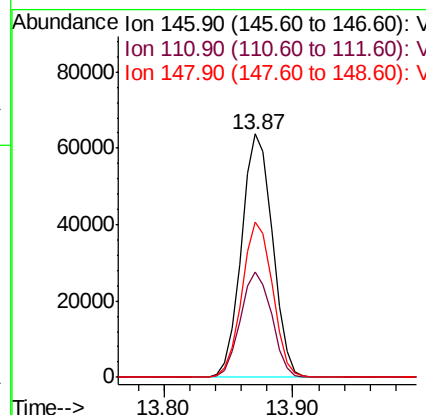
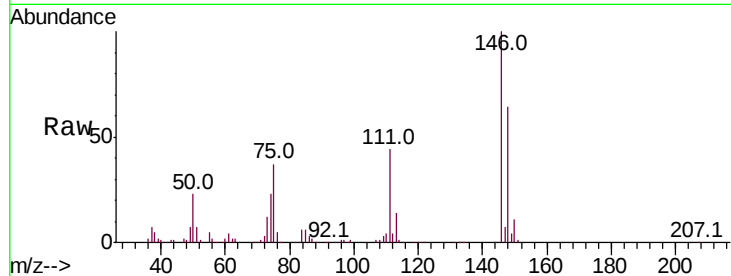
#91
 1,2-Dichlorobenzene
 Concen: 20.037 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010684.D
 Acq: 05 Jun 2019 11:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0605SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.5	64.5
148	63.0	31.9	95.5

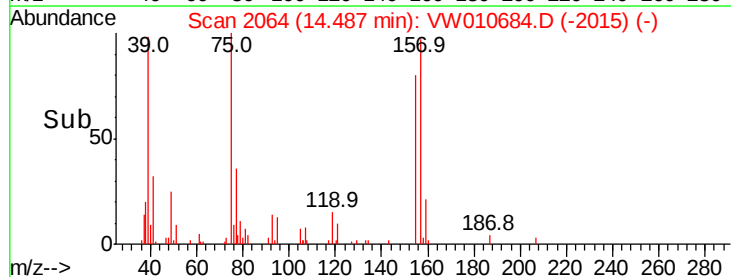
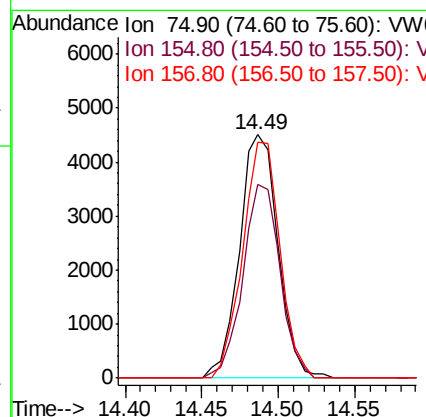
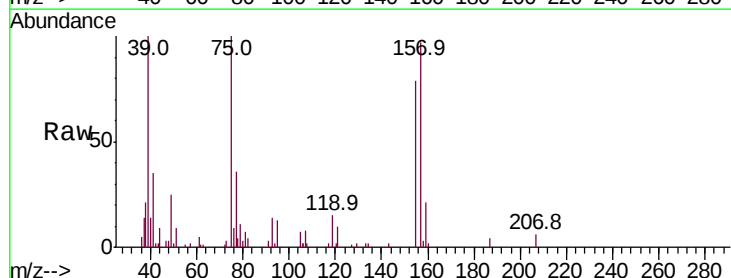
Manual Integrations
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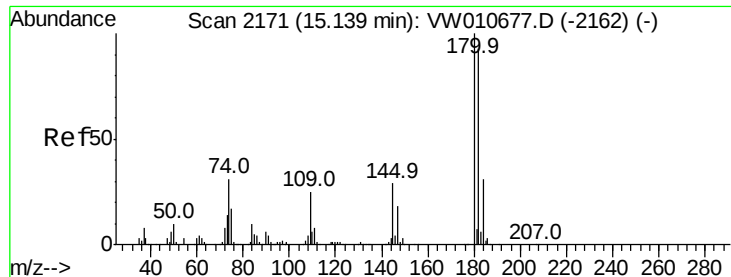
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.228 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW010684.D
 Acq: 05 Jun 2019 11:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.9	38.8	116.4
157	93.9	48.4	145.0





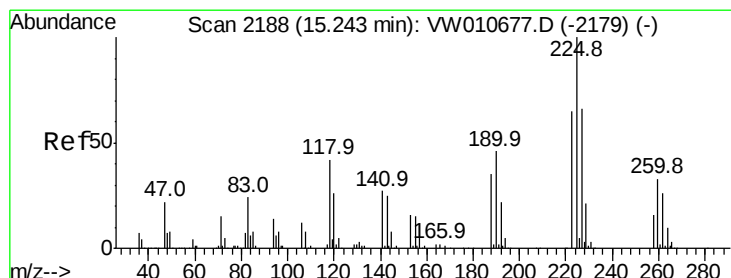
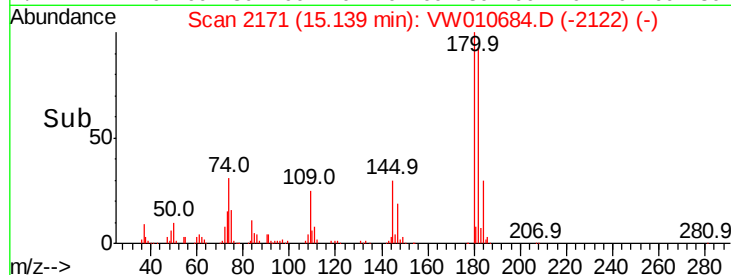
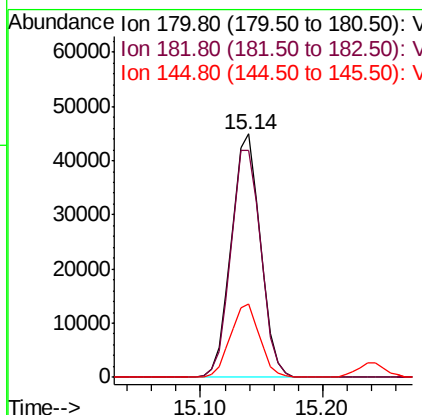
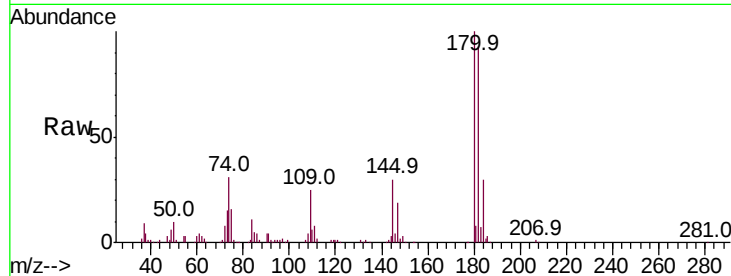
#93
 1,2,4-Trichlorobenzene
 Concen: 19.860 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010684.D
 Acq: 05 Jun 2019 11:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0605SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.2	47.1	141.4	
145	30.2	15.2	45.5	

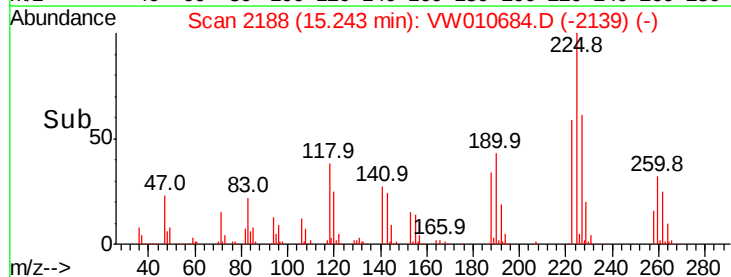
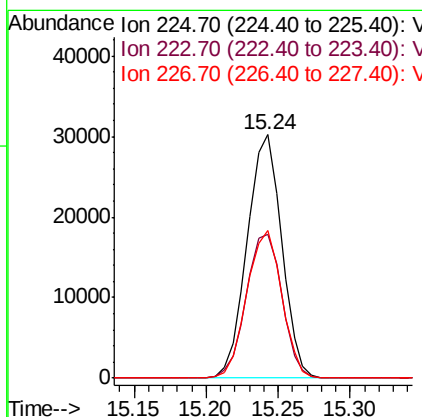
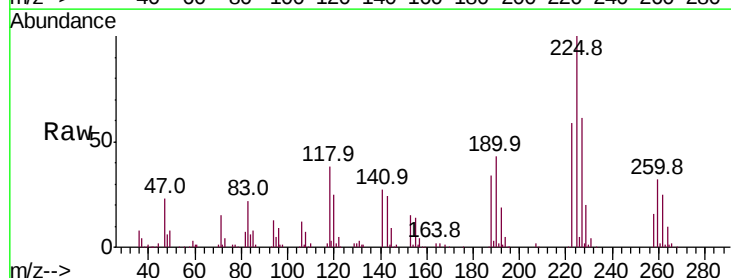
Manual Integrations
 APPROVED

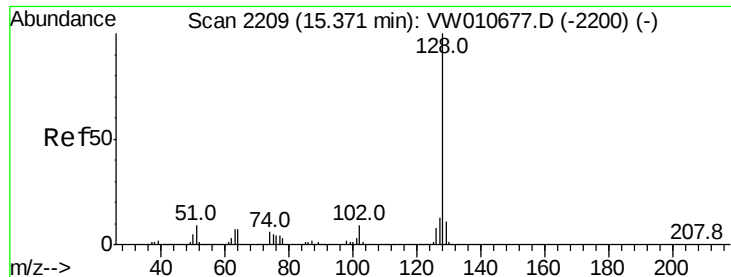
MMDadoda
 6/6/2019 11:51:39 AM



#94
 Hexachlorobutadiene
 Concen: 21.488 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW010684.D
 Acq: 05 Jun 2019 11:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.3	32.2	96.6	
227	61.4	32.0	96.0	





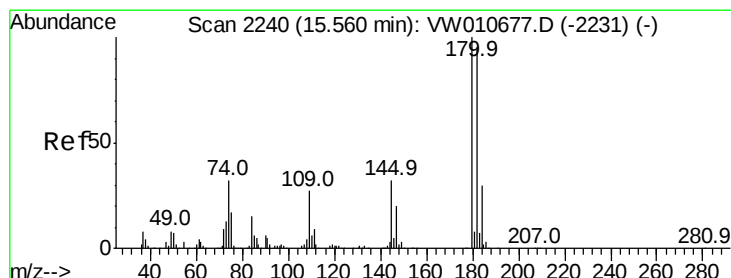
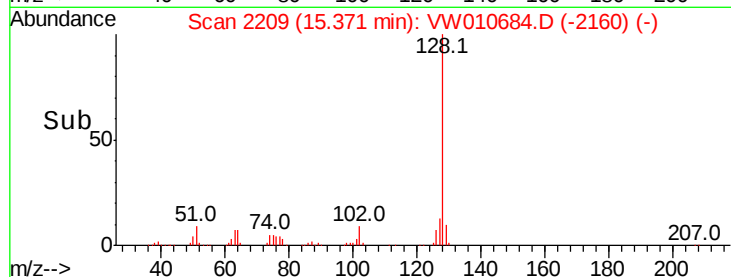
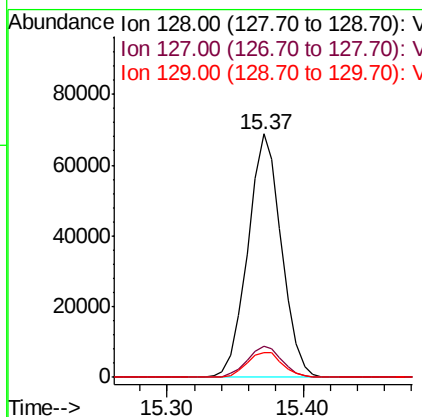
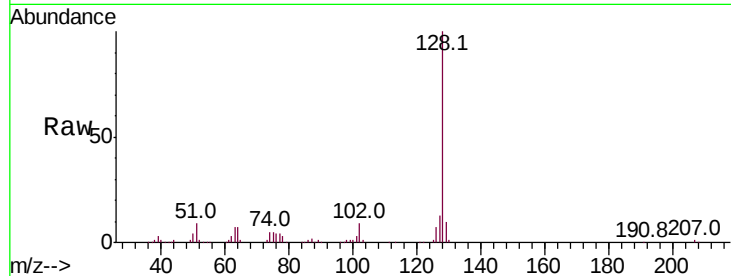
#95
Naphthalene
Concen: 17.614 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010684.D
Acq: 05 Jun 2019 11:31

Instrument :
MSVOA_W
ClientSampleId :
VW0605SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100			
127	13.2	10.6	15.8	
129	10.9	8.6	13.0	

Manual Integrations
APPROVED

MMDadoda
6/6/2019 11:51:39 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.403 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010684.D
Acq: 05 Jun 2019 11:31

Tgt Ion	Ratio	Resp	Lower	Upper
180	100			
182	93.7	47.0	141.0	
145	32.1	16.1	48.3	

