

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060519\
 Data File : VW010685.D
 Acq On : 05 Jun 2019 11:58
 Operator : SY/VA
 Sample : VW0605SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0605SBS02

Manual Integrations
 APPROVED

MMDadoda
 6/6/2019 11:51:44 AM

Quant Time: Jun 05 15:28:24 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	266991	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	435644	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	383822	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	184115	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	173736	55.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.42%	
35) Dibromofluoromethane	7.88	113	132833	56.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.36%	
50) Toluene-d8	10.32	98	561553	54.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.32%	
62) 4-Bromofluorobenzene	12.62	95	205557	54.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	52176	21.147	ug/l	98
3) Chloromethane	2.21	50	75409	20.774	ug/l	97
4) Vinyl Chloride	2.36	62	69069	20.594	ug/l	99
5) Bromomethane	2.74	94	37585	20.407	ug/l	100
6) Chloroethane	2.90	64	41528	20.629	ug/l	97
7) Trichlorofluoromethane	3.25	101	90872	20.873	ug/l	99
8) Diethyl Ether	3.68	74	32282	20.749	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	55395	20.696	ug/l	100
10) Methyl Iodide	4.27	142	46005	19.882	ug/l	99
11) Tert butyl alcohol	5.17	59	28465	111.029	ug/l	98
12) 1,1-Dichloroethene	4.03	96	53787	20.832	ug/l	97
13) Acrolein	3.90	56	11565	110.392	ug/l	96
14) Allyl chloride	4.67	41	119122	20.924	ug/l	98
15) Acrylonitrile	5.37	53	81647	108.021	ug/l	98
16) Acetone	4.12	43	85467	101.358	ug/l	97
17) Carbon Disulfide	4.37	76	169516	20.682	ug/l	99
18) Methyl Acetate	4.68	43	40894	22.530	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	156617	21.031	ug/l	99
20) Methylene Chloride	4.92	84	62099	20.993	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	60485	20.636	ug/l	100
22) Diisopropyl ether	6.31	45	237957	20.878	ug/l	97
23) Vinyl Acetate	6.26	43	736382	107.056	ug/l	100
24) 1,1-Dichloroethane	6.21	63	118993	20.832	ug/l	99
25) 2-Butanone	7.17	43	125547	107.375	ug/l	99
26) 2,2-Dichloropropane	7.17	77	99127	21.327	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	65987	20.457	ug/l	100
28) Bromochloromethane	7.51	49	53245	20.888	ug/l	97
29) Tetrahydrofuran	7.53	42	80591	109.582	ug/l	99
30) Chloroform	7.68	83	107970	20.666	ug/l	99
31) Cyclohexane	7.95	56	127504	20.081	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	95607	20.949	ug/l	100
36) 1,1-Dichloropropene	8.09	75	92746	20.798	ug/l	99
37) Ethyl Acetate	7.25	43	52903	21.409	ug/l	99
38) Carbon Tetrachloride	8.07	117	80290	20.857	ug/l	96

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	115091	20.303	ug/l	97
40) Benzene	8.32	78	251401	20.666	ug/l	99
41) Methacrylonitrile	7.49	41	30937	21.063	ug/l	98
42) 1,2-Dichloroethane	8.40	62	81890	21.209	ug/l	99
43) Isopropyl Acetate	8.42	43	102794	21.532	ug/l	99
44) Trichloroethene	9.09	130	61650	20.544	ug/l	99
45) 1,2-Dichloropropane	9.37	63	67253	20.884	ug/l	99
46) Dibromomethane	9.46	93	31626	21.144	ug/l	99
47) Bromodichloromethane	9.65	83	81288	20.965	ug/l	98
48) Methyl methacrylate	9.44	41	48739	21.175	ug/l	98
49) 1,4-Dioxane	9.45	88	10289	439.977	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	266334	109.203	ug/l	100
52) Toluene	10.39	92	155875	20.825	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	86823	21.142	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	101787	21.063	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	45551	21.140	ug/l	97
56) Ethyl methacrylate	10.65	69	71345	21.518	ug/l	98
57) 1,3-Dichloropropane	10.93	76	85049	20.944	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	180361	103.855	ug/l	99
59) 2-Hexanone	10.97	43	192611	109.274	ug/l	100
60) Dibromochloromethane	11.13	129	50219	21.024	ug/l	99
61) 1,2-Dibromoethane	11.24	107	42906	21.016	ug/l	98
64) Tetrachloroethene	10.87	164	51116	20.058	ug/l	98
65) Chlorobenzene	11.66	112	155547	20.608	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	53315	20.405	ug/l	98
67) Ethyl Benzene	11.73	91	298130	20.552	ug/l	99
68) m/p-Xylenes	11.84	106	215342	41.470	ug/l	99
69) o-Xylene	12.17	106	101655	20.641	ug/l	97
70) Styrene	12.18	104	177061	20.696	ug/l	99
71) Bromoform	12.35	173	28775	21.294	ug/l #	99
73) Isopropylbenzene	12.47	105	284988	20.598	ug/l	99
74) N-amyl acetate	12.27	43	96602	21.604	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.72	83	55815	21.191	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	41087m	21.251	ug/l	
77) Bromobenzene	12.75	156	61773	20.454	ug/l	98
78) n-propylbenzene	12.80	91	340418	20.405	ug/l	100
79) 2-Chlorotoluene	12.90	91	196277	20.593	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	231078	20.405	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	18022	21.423	ug/l	99
82) 4-Chlorotoluene	12.99	91	204128	20.754	ug/l	99
83) tert-Butylbenzene	13.21	119	195691	20.361	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	232646	20.415	ug/l	100
85) sec-Butylbenzene	13.38	105	284775	20.351	ug/l	100
86) p-Isopropyltoluene	13.50	119	254246	20.318	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	121328	20.832	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	119026	20.614	ug/l	99
89) n-Butylbenzene	13.83	91	253795	20.327	ug/l	100
90) Hexachloroethane	14.10	117	45548	20.325	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	107626	20.549	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9576	21.172	ug/l	98

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MSVOA_W
ClientSampleId :
VW0605SBS02

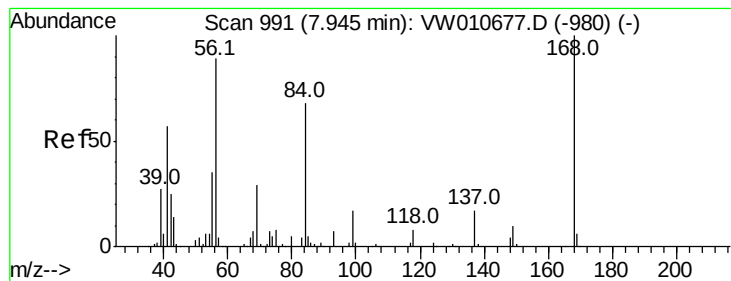
Manual Integrations
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QLast Update : Wed Jun 05 03:21:19 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	75845	20.635	ug/l	98
94) Hexachlorobutadiene	15.24	225	46804	20.290	ug/l	99
95) Naphthalene	15.37	128	140701	21.070	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	66013	21.119	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW010685.D

Acq: 05 Jun 2019 11:58

Instrument :

MSVOA_W

ClientSampled :

VW0605SBS02

Tot Ion:168 Resp: 266991

Ion Ratio Lower Upper

168 100

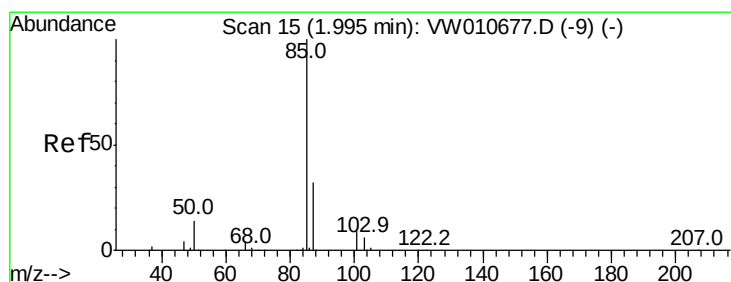
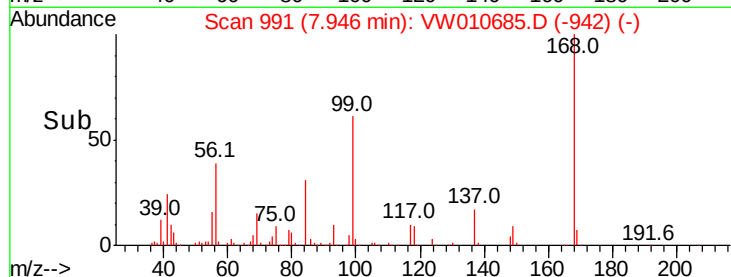
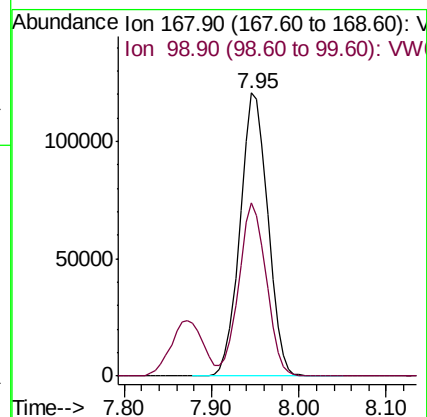
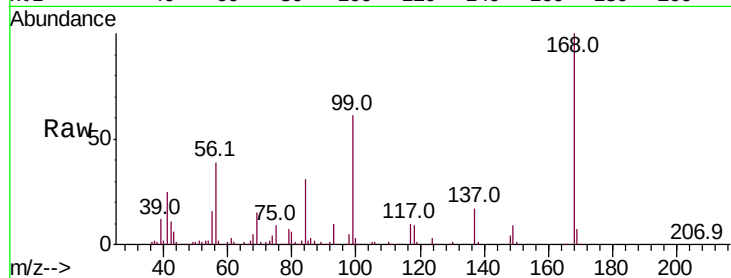
99 61.0 47.7 71.5

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#2

Dichlorodifluoromethane

Concen: 21.147 ug/l

RT: 2.00 min Scan# 15

Delta R.T. 0.00 min

Lab File: VW010685.D

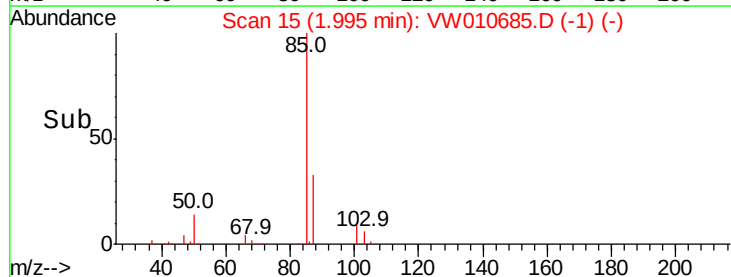
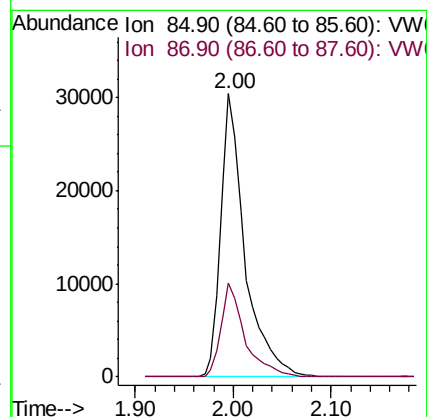
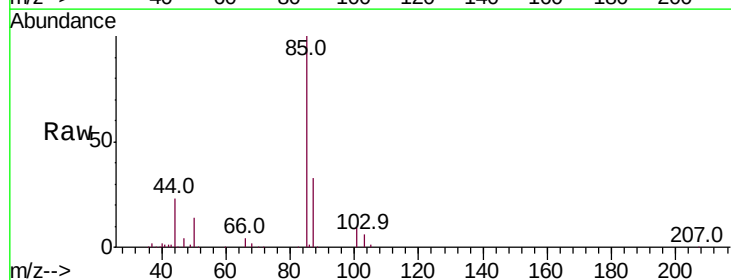
Acq: 05 Jun 2019 11:58

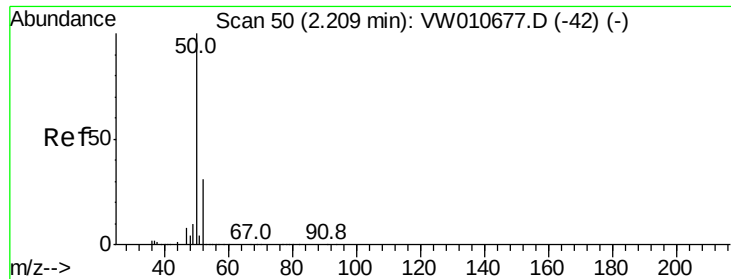
Tgt Ion: 85 Resp: 52176

Ion Ratio Lower Upper

85 100

87 33.2 16.2 48.5





#3

Chloromethane

Concen: 20.774 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW010685.D

Acq: 05 Jun 2019 11:58

Instrument :

MSVOA_W

ClientSampleId :

VW0605SBS02

Tot Ion: 50 Resp: 75409

Ion Ratio Lower Upper

50 100

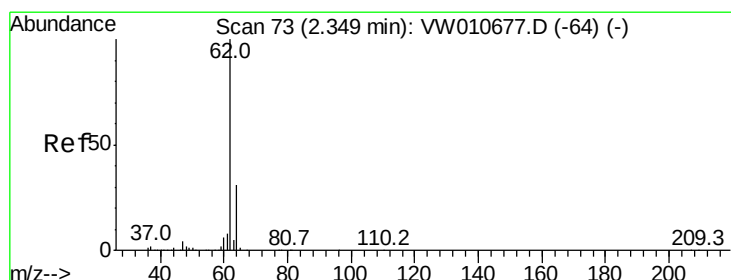
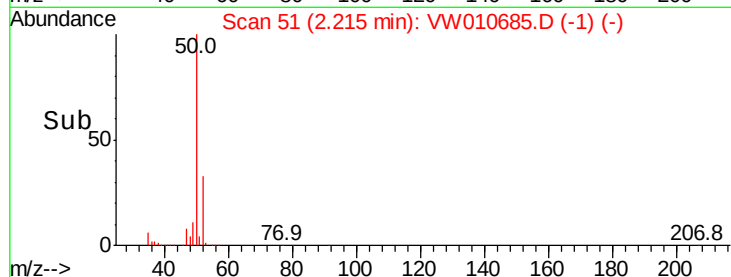
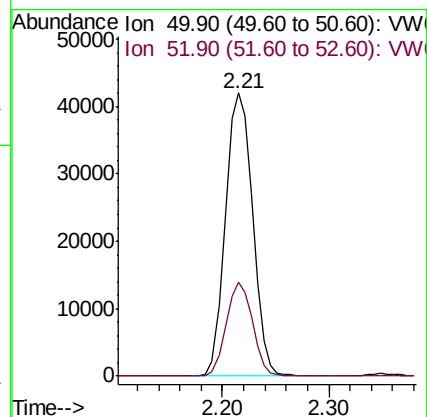
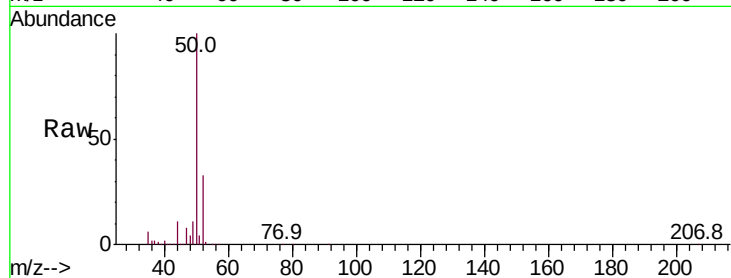
52 33.0 25.2 37.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.594 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VW010685.D

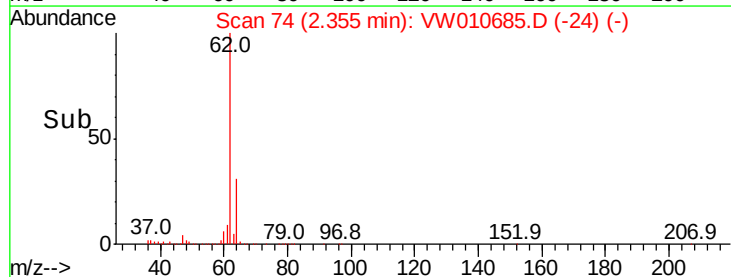
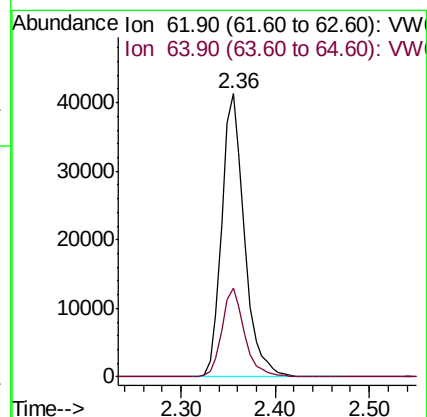
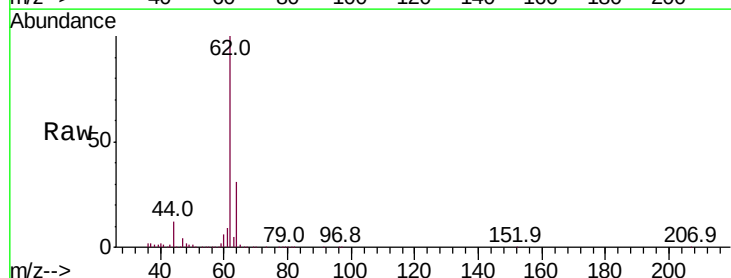
Acq: 05 Jun 2019 11:58

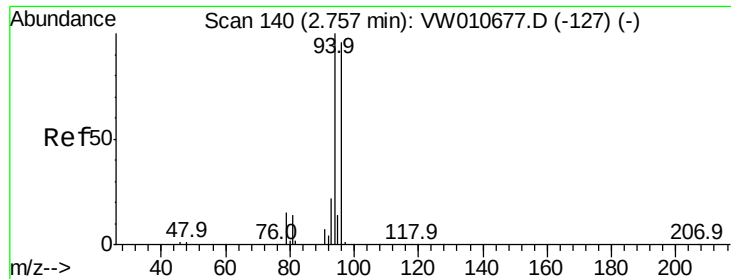
Tgt Ion: 62 Resp: 69069

Ion Ratio Lower Upper

62 100

64 31.3 24.5 36.7





#5

Bromomethane

Concen: 20.407 ug/l

RT: 2.74 min Scan# 137

Delta R.T. -0.02 min

Lab File: VW010685.D

Acq: 05 Jun 2019 11:58

Instrument :

MSVOA_W

ClientSampleId :

VW0605SBS02

Tot Ion: 94 Resp: 37585

Ion Ratio Lower Upper

94 100

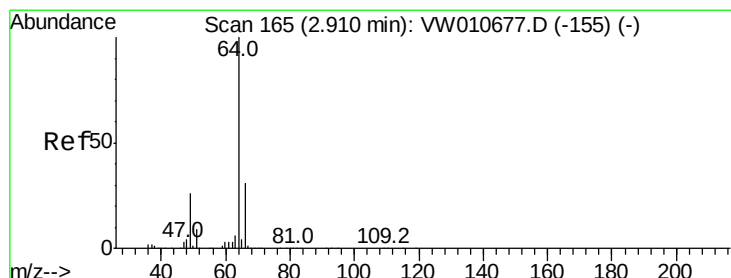
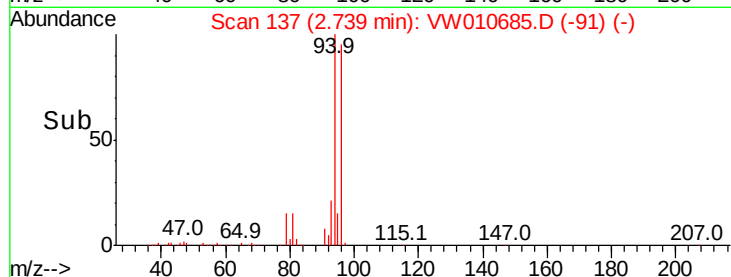
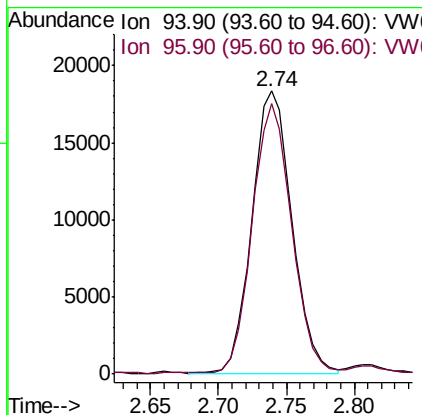
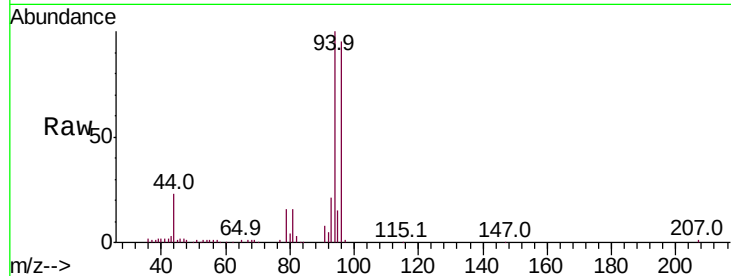
96 95.2 76.5 114.7

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#6

Chloroethane

Concen: 20.629 ug/l

RT: 2.90 min Scan# 163

Delta R.T. -0.01 min

Lab File: VW010685.D

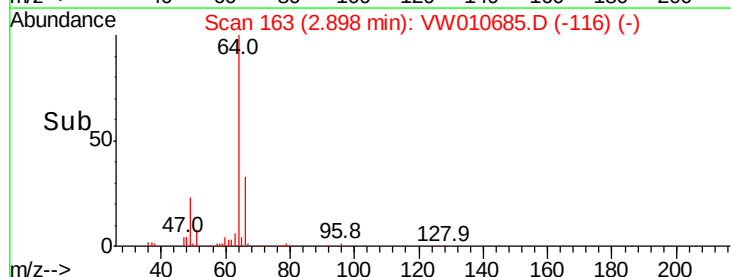
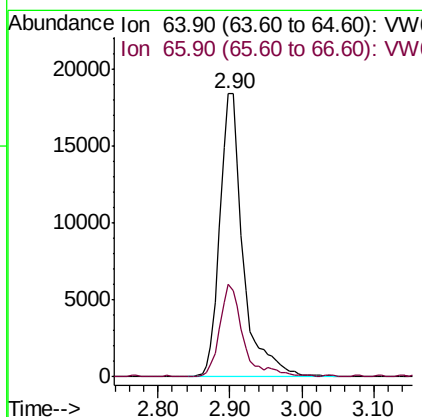
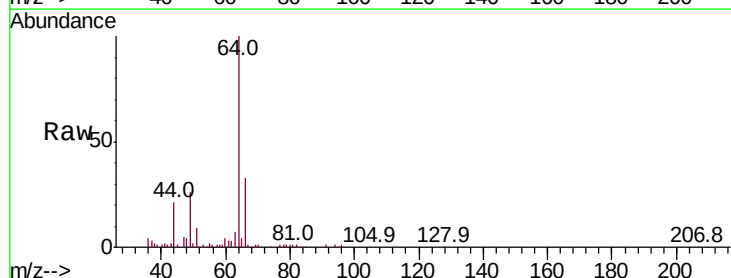
Acq: 05 Jun 2019 11:58

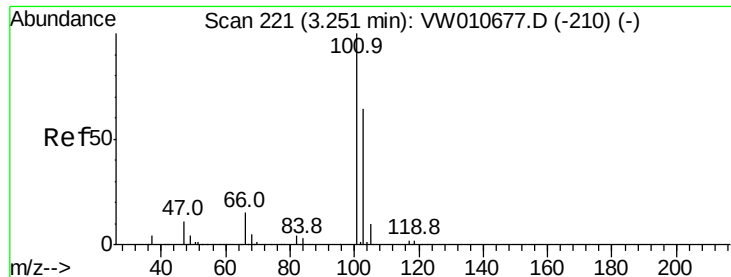
Tgt Ion: 64 Resp: 41528

Ion Ratio Lower Upper

64 100

66 32.9 25.1 37.7





#7

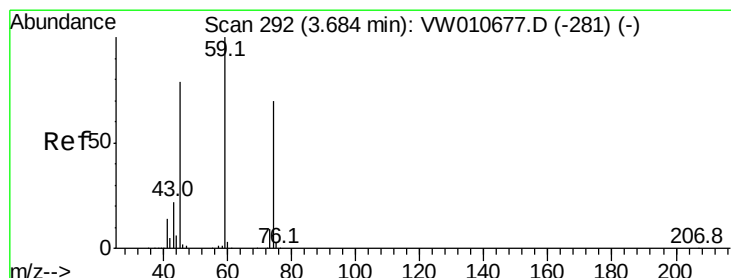
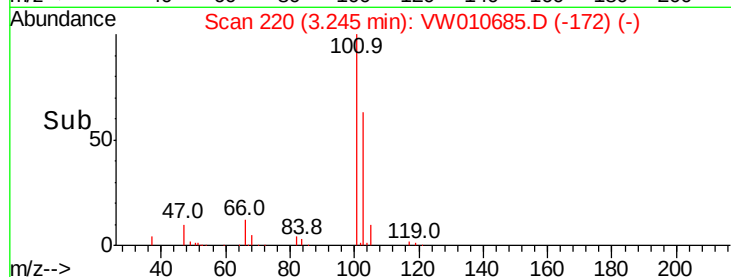
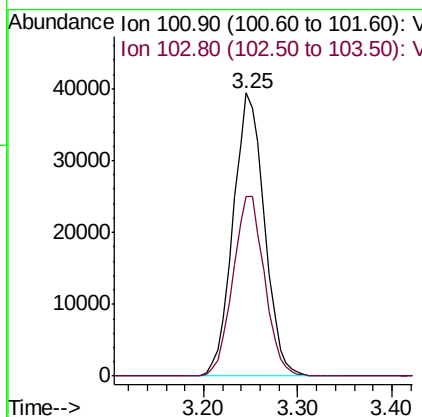
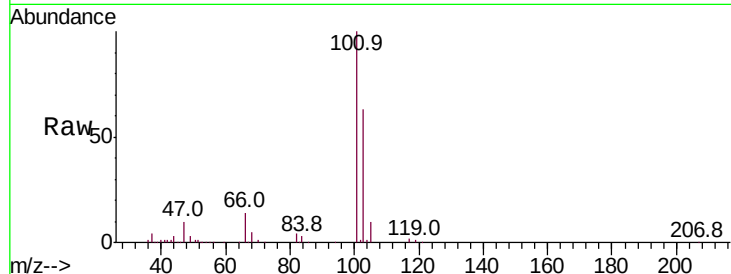
Trichlorofluoromethane
Concen: 20.873 ug/l
RT: 3.25 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW010685.D
Acq: 05 Jun 2019 11:58

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ClientSampleId :
VW0605SBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	51.2	76.8

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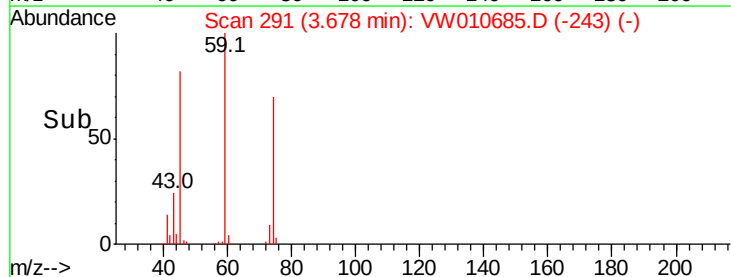
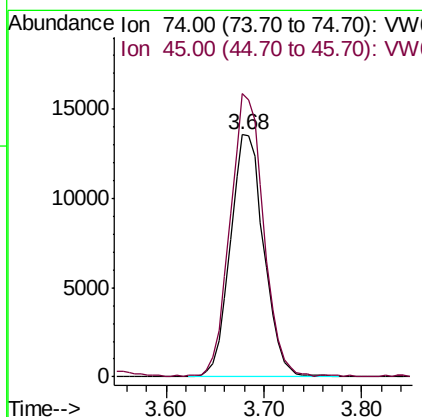
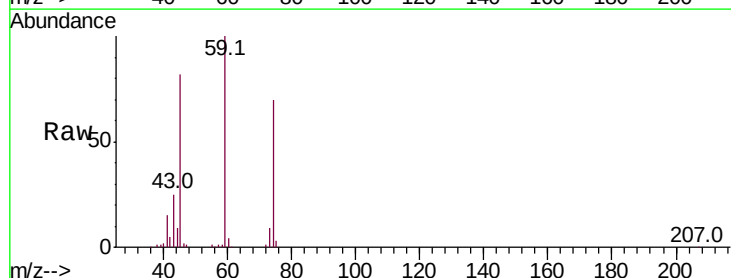
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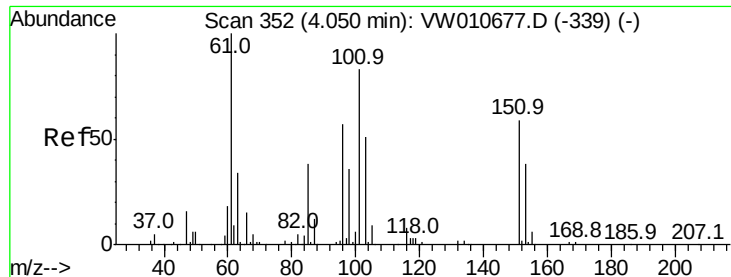


#8

Diethyl Ether
Concen: 20.749 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW010685.D
Acq: 05 Jun 2019 11:58

Tgt Ion	Ratio	Lower	Upper
74	100		
45	117.1	56.9	170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.696 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW010685.D

Acq: 05 Jun 2019 11:58

Instrument :

MSVOA_W

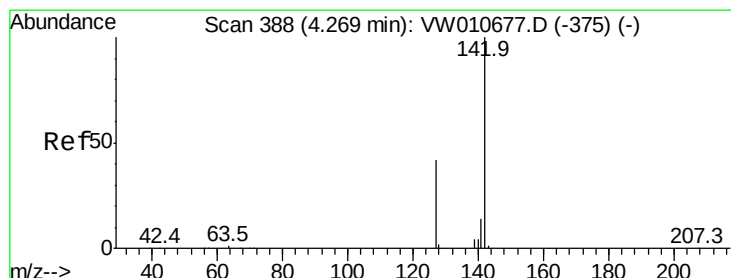
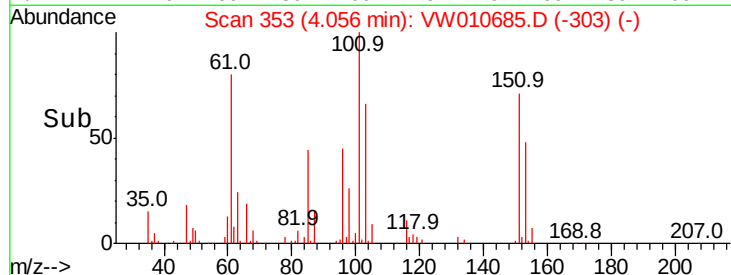
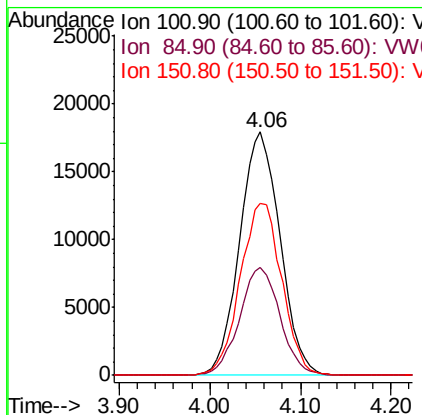
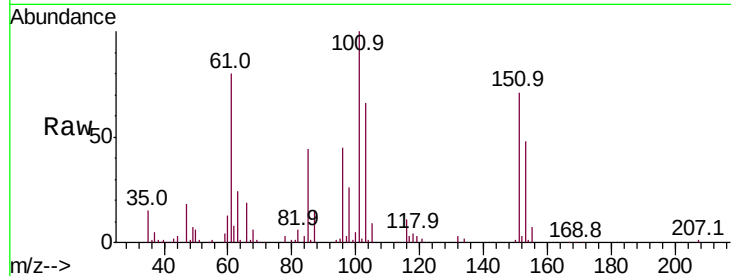
ClientSampleId :

VW0605SBS02

Tot Ion:	101	Resp:	55395
Ion Ratio	Lower	Upper	
101	100		
85	44.3	35.8	53.8
151	72.6	58.1	87.1

Manual Integrations
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6/6/2019 11:51:44 AM



#10

Methyl Iodide

Concen: 19.882 ug/l

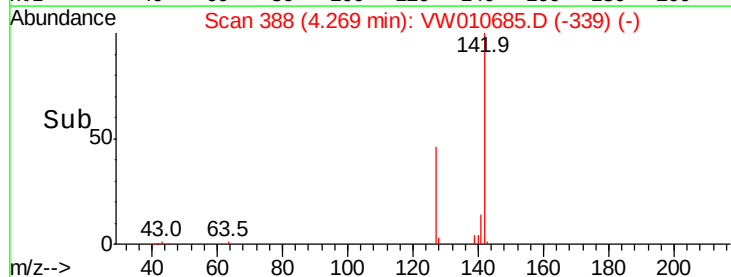
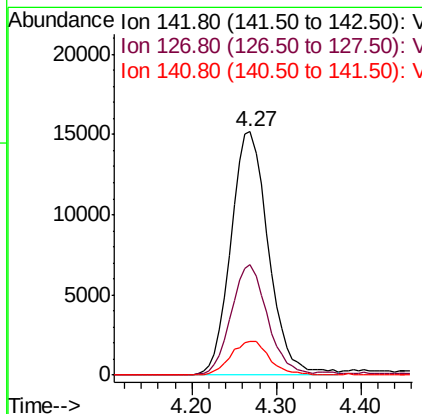
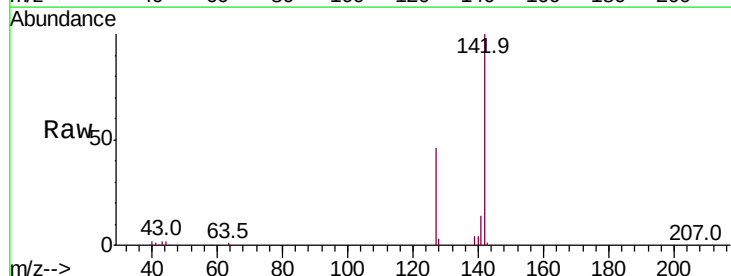
RT: 4.27 min Scan# 388

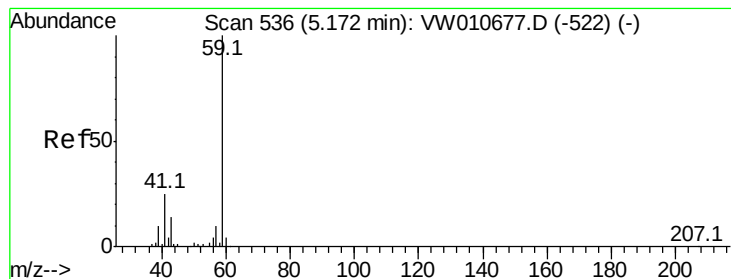
Delta R.T. 0.00 min

Lab File: VW010685.D

Acq: 05 Jun 2019 11:58

Tgt Ion:	142	Resp:	46005
Ion Ratio	Lower	Upper	
142	100		
127	43.9	34.6	51.8
141	14.2	11.6	17.4





#11

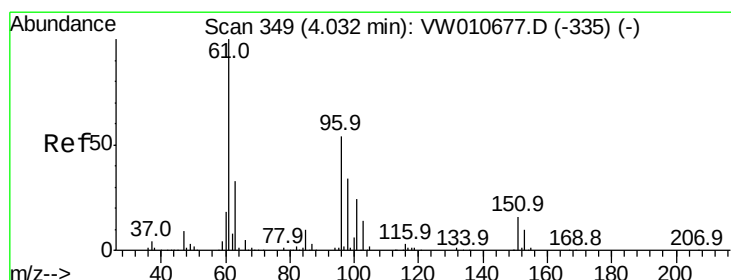
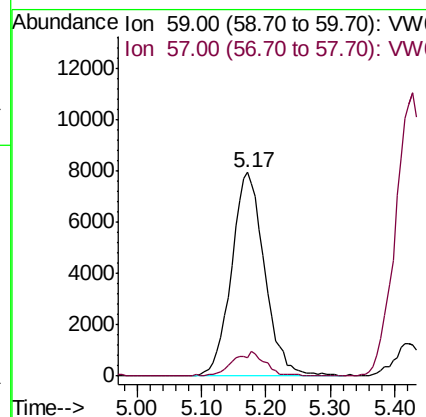
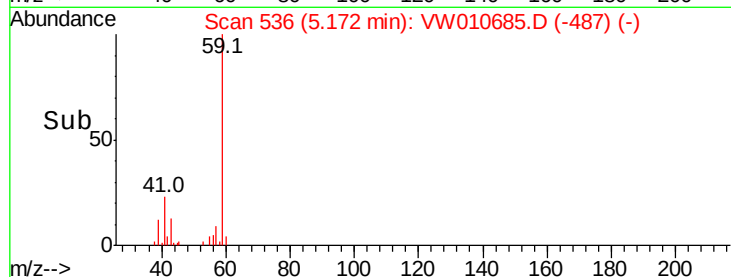
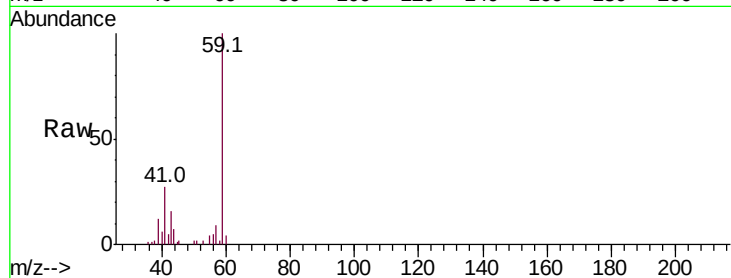
Tert butyl alcohol
Concen: 111.029 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.00 min
Lab File: VW010685.D
Acq: 05 Jun 2019 11:58

Instrument :
MSVOA_W
ClientSampleId :
VW0605SBS02

Tot Ion	59	Resp	28465
Ion Ratio	100	Lower	Upper
57	11.6	8.6	12.8

Manual Integrations
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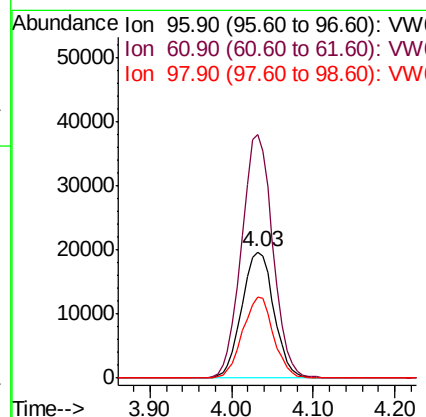
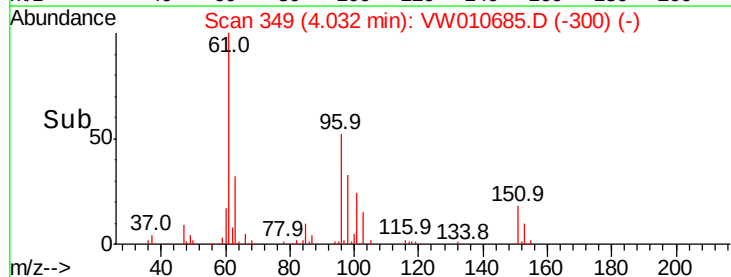
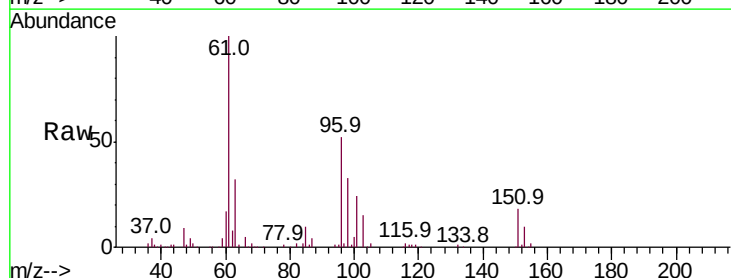
MMDadoda
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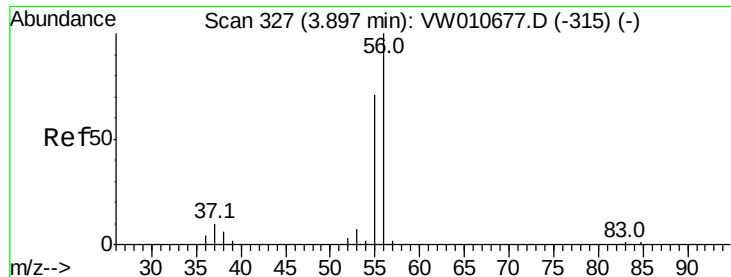


#12

1,1-Dichloroethene
Concen: 20.832 ug/l
RT: 4.03 min Scan# 349
Delta R.T. 0.00 min
Lab File: VW010685.D
Acq: 05 Jun 2019 11:58

Tgt Ion	96	Resp	53787
Ion Ratio	100	Lower	Upper
61	192.8	149.1	223.7
98	64.4	51.1	76.7





#13

Acrolein

Concen: 110.392 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.00 min

Lab File: VW010685.D

Acq: 05 Jun 2019 11:58

Instrument :

MSVOA_W

ClientSampled :

VW0605SBS02

Tot Ion: 56 Resp: 11565

Ion Ratio Lower Upper

56 100

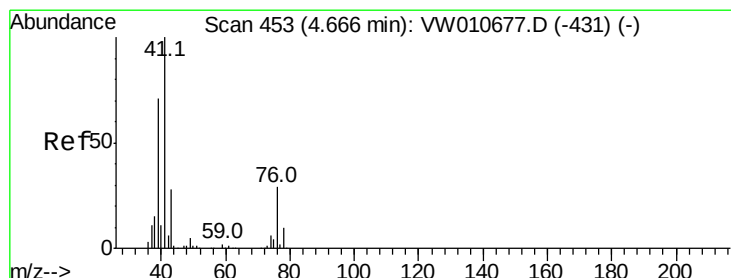
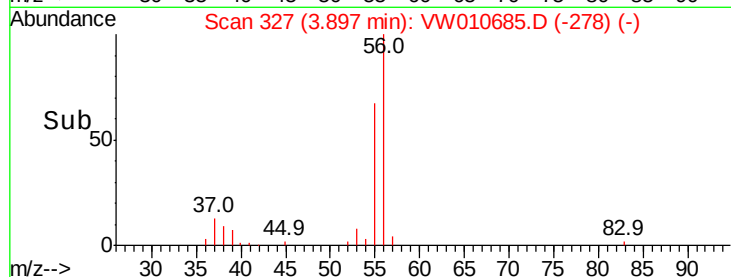
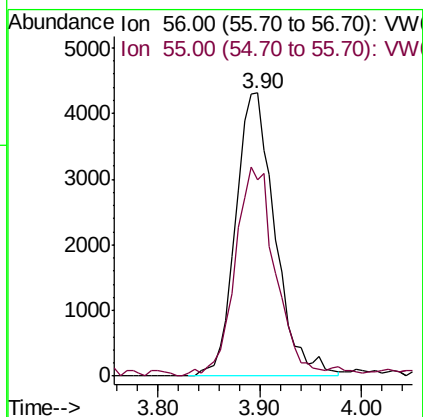
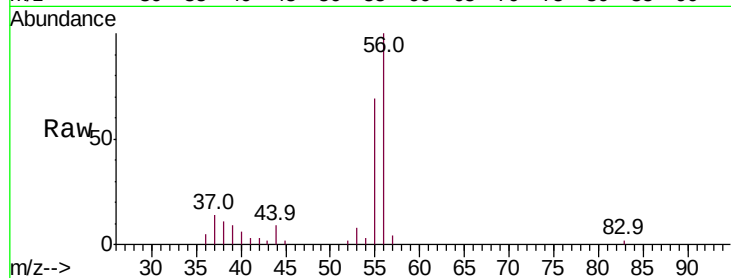
55 75.7 57.6 86.4

Manual Integrations

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#14

Allyl chloride

Concen: 20.924 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW010685.D

Acq: 05 Jun 2019 11:58

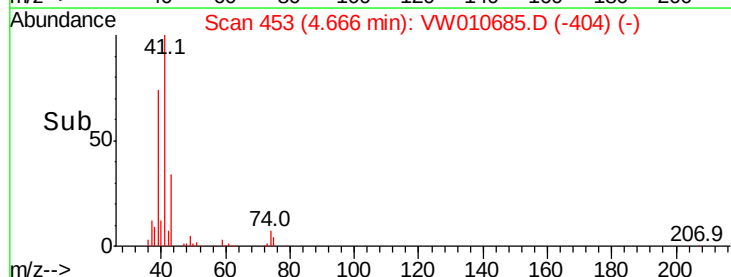
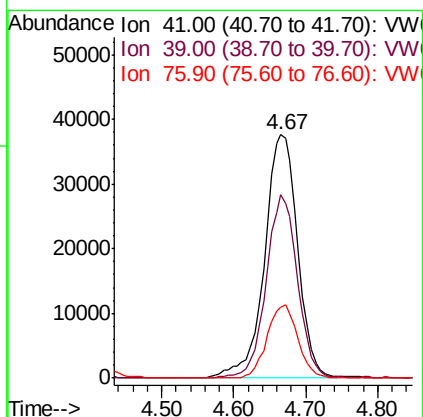
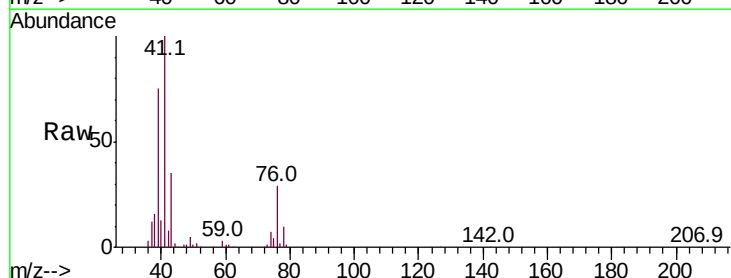
Tgt Ion: 41 Resp: 119122

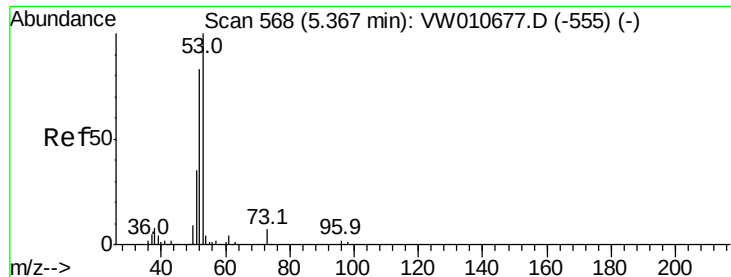
Ion Ratio Lower Upper

41 100

39 71.9 55.8 83.6

76 28.0 22.7 34.1





#15

Acrylonitrile

Concen: 108.021 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW010685.D

Acq: 05 Jun 2019 11:58

Instrument :

MSVOA_W

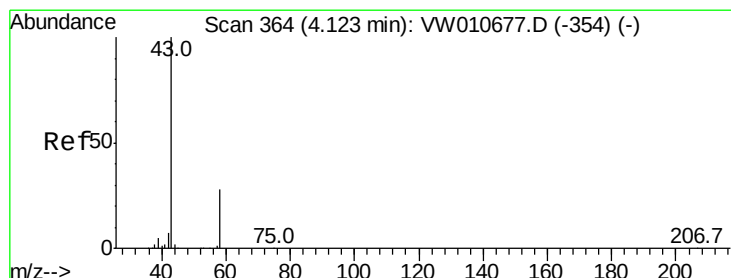
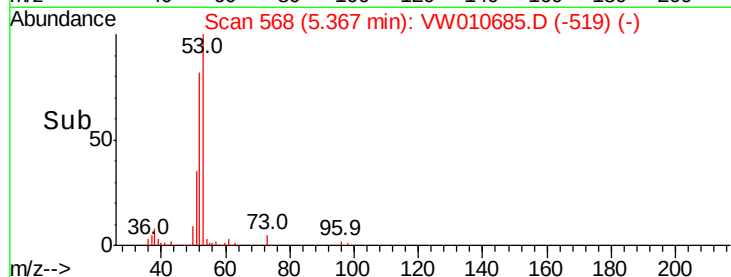
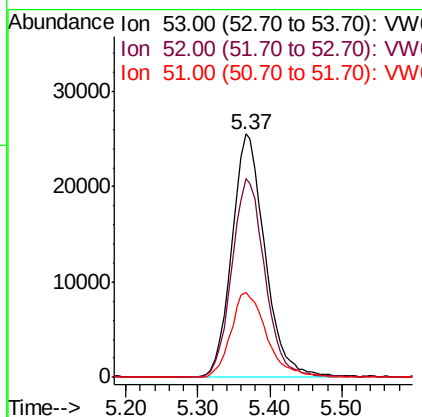
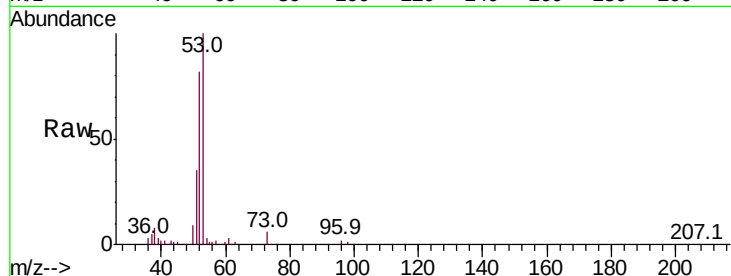
ClientSampleId :

VW0605SBS02

Tot Ion:	53	Resp:	81647
Ion	Ratio	Lower	Upper
53	100		
52	81.4	66.6	100.0
51	37.4	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 101.358 ug/l

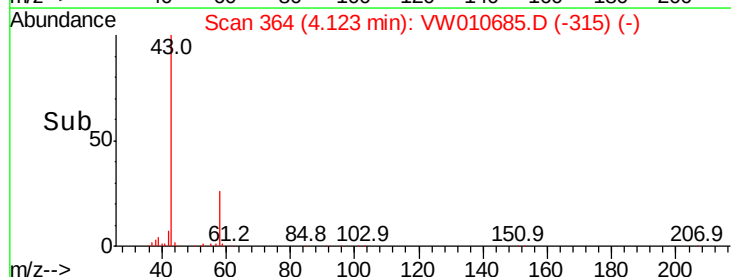
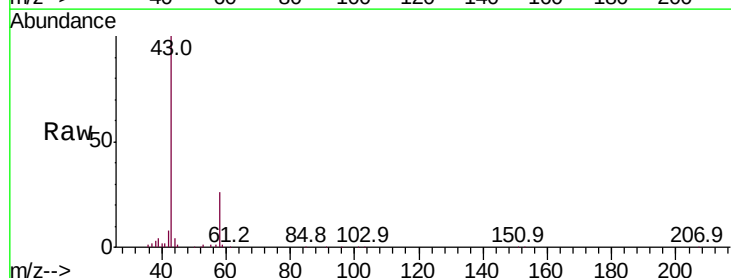
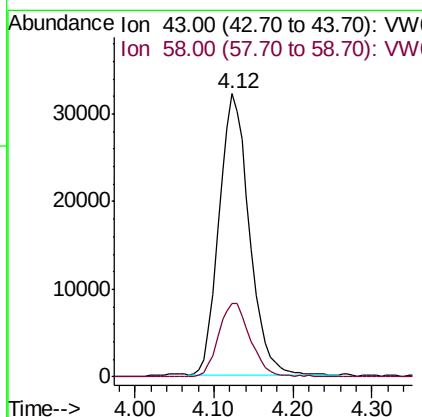
RT: 4.12 min Scan# 364

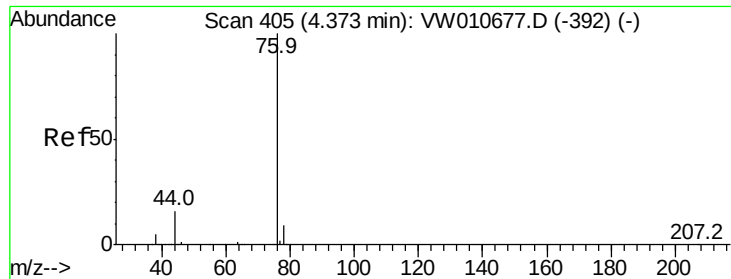
Delta R.T. 0.00 min

Lab File: VW010685.D

Acq: 05 Jun 2019 11:58

Tgt Ion:	43	Resp:	85467
Ion	Ratio	Lower	Upper
43	100		
58	25.8	22.1	33.1





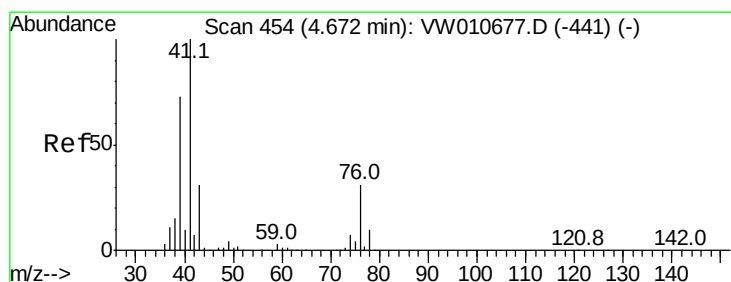
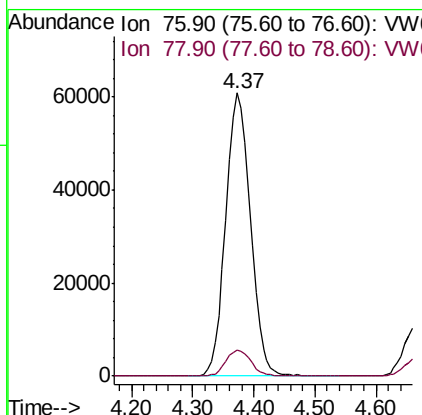
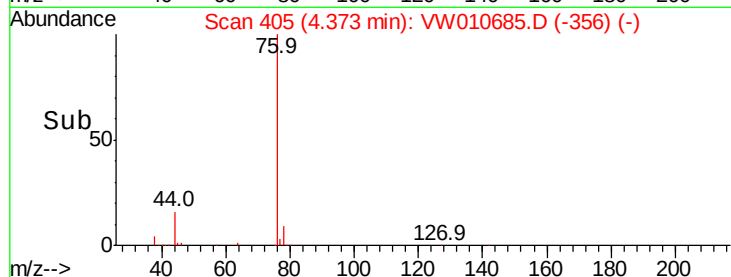
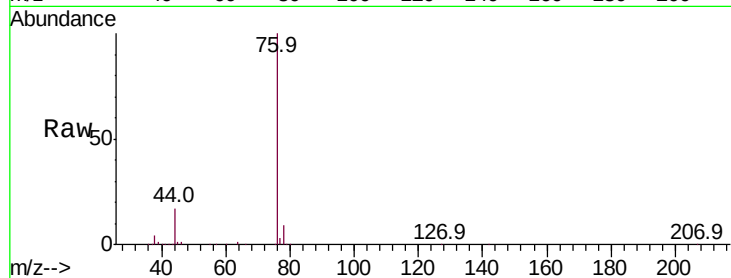
#17
Carbon Disulfide
Concen: 20.682 ug/l
RT: 4.37 min Scan# 405
Delta R.T. 0.00 min
Lab File: VW010685.D
Acq: 05 Jun 2019 11:58

Instrument :
MSVOA_W
ClientSampleId :
VW0605SBS02

Tot Ion	Ratio	Resp	Lower	Upper
76	100	169516		
78	9.1		7.5	11.3

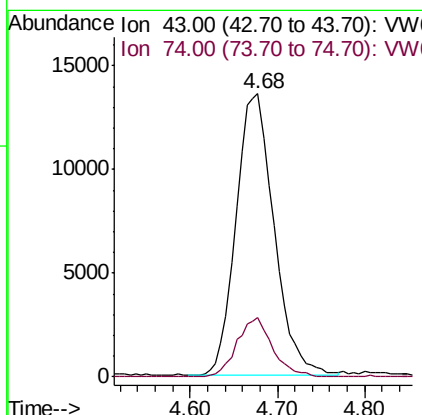
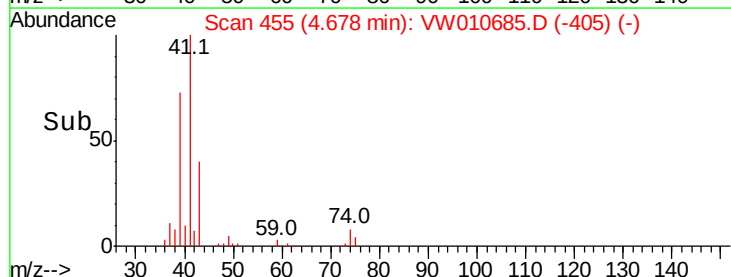
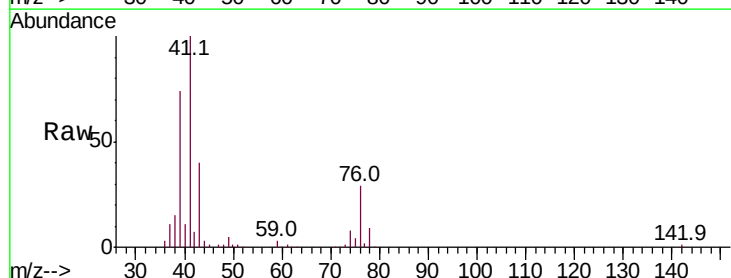
Manual Integrations
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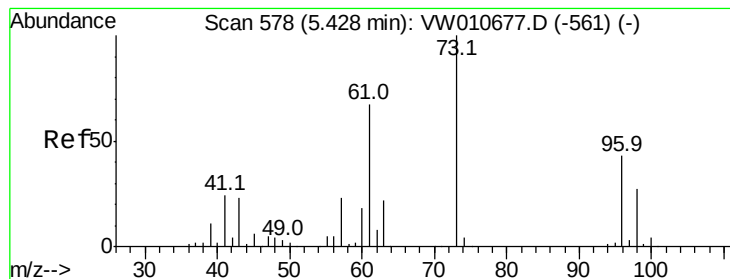
MMDadoda
6/6/2019 11:51:44 AM



#18
Methyl Acetate
Concen: 22.530 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW010685.D
Acq: 05 Jun 2019 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	40894		
74	19.8		16.7	25.1





#19

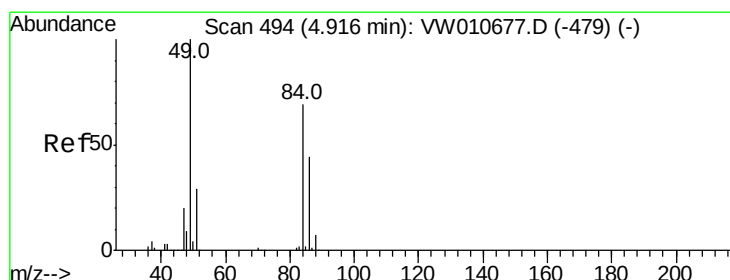
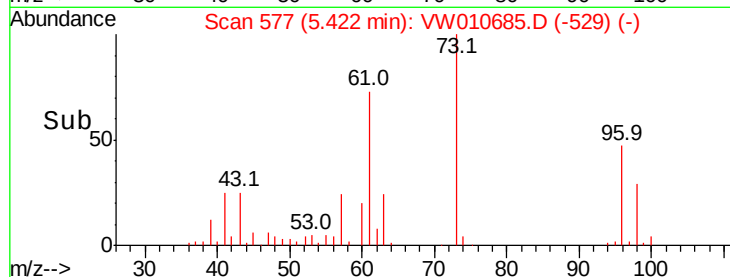
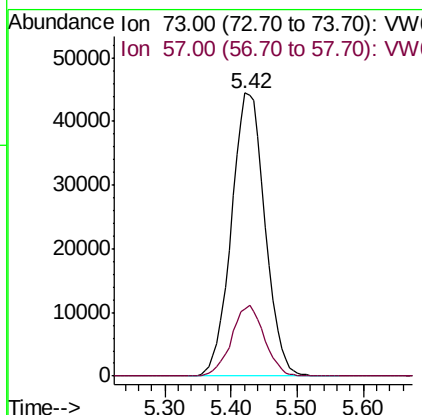
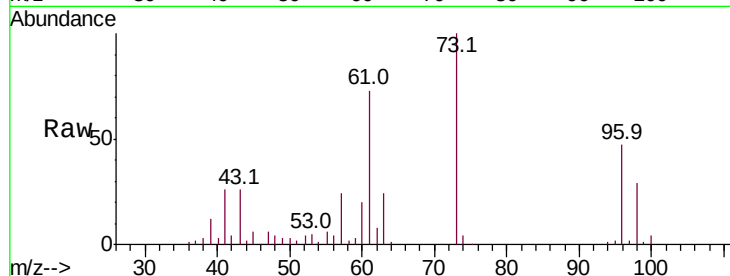
Methyl tert-butyl Ether
 Concen: 21.031 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW010685.D
 Acq: 05 Jun 2019 11:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0605SBS02

Tot Ion	73	Resp	156617
Ion Ratio	100	Lower	Upper
57	23.9	18.6	27.8

Manual Integrations
 APPROVED

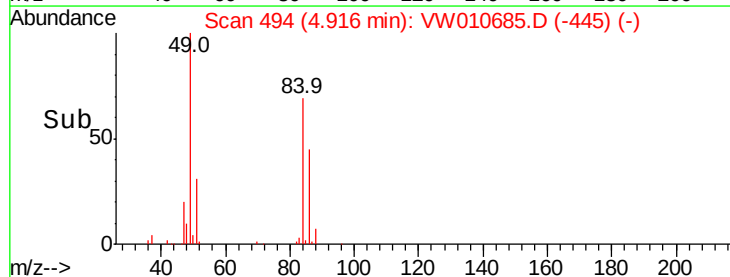
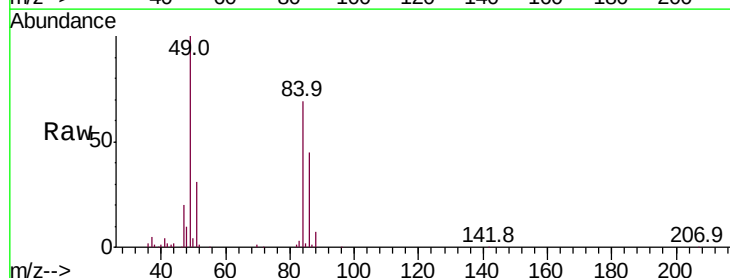
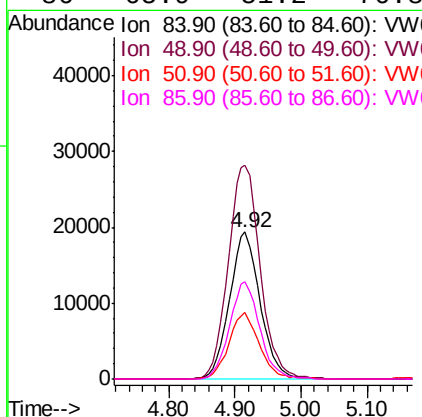
MMDadoda
 6/6/2019 11:51:44 AM

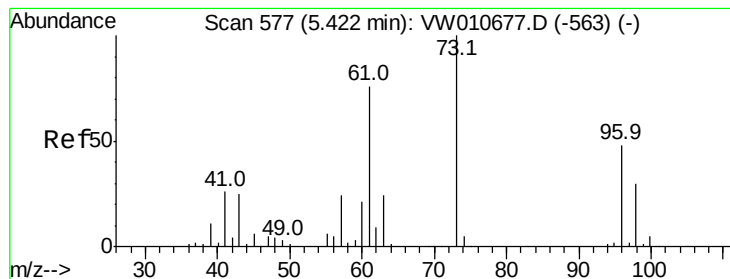


#20

Methylene Chloride
 Concen: 20.993 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VW010685.D
 Acq: 05 Jun 2019 11:58

Tgt Ion	84	Resp	62099
Ion Ratio	100	Lower	Upper
49	145.3	116.7	175.1
51	44.9	34.2	51.2
86	65.9	51.2	76.8





#21

trans-1,2-Dichloroethene

Concen: 20.636 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW010685.D

Acq: 05 Jun 2019 11:58

Instrument :

MSVOA_W

ClientSampleId :

VW0605SBS02

Tot Ion: 96 Resp: 60485

Ion Ratio Lower Upper

96 100

61 157.2 126.0 189.0

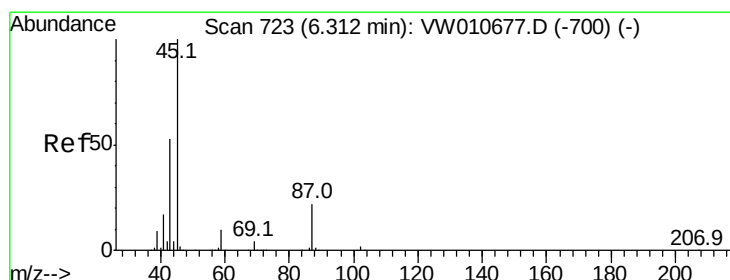
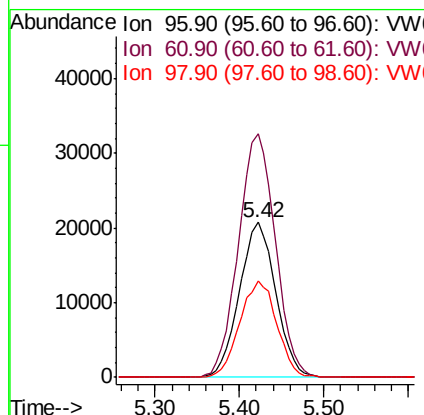
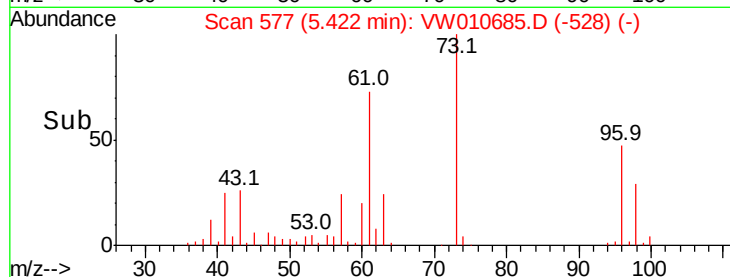
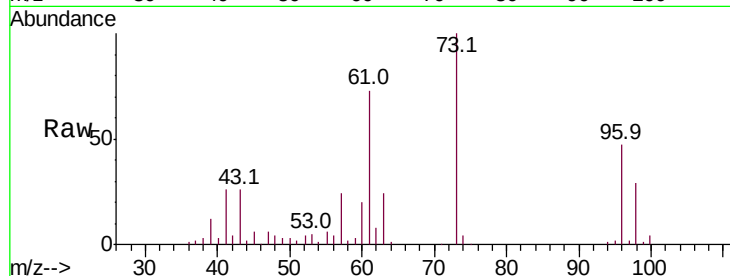
98 61.9 49.6 74.4

Manual Integrations

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6/6/2019 11:51:44 AM



#22

Diisopropyl ether

Concen: 20.878 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW010685.D

Acq: 05 Jun 2019 11:58

Tgt Ion: 45 Resp: 237957

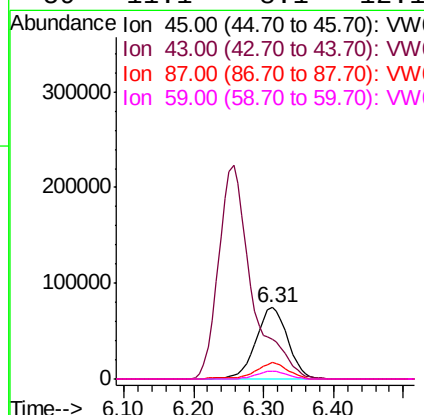
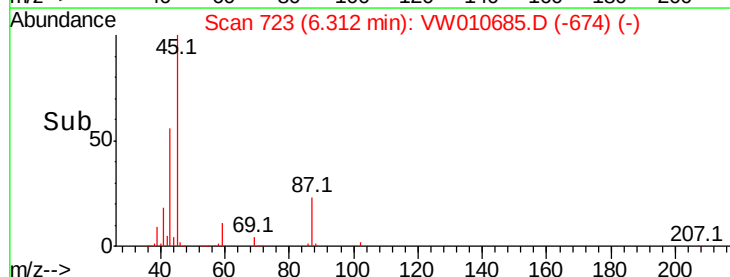
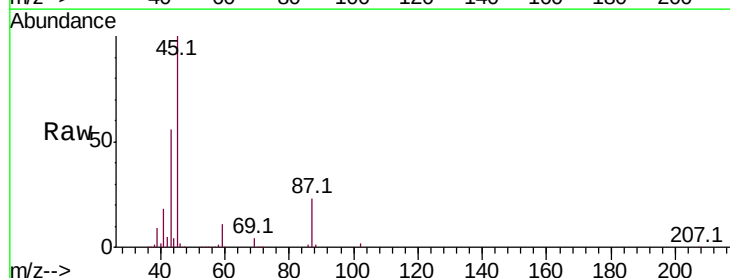
Ion Ratio Lower Upper

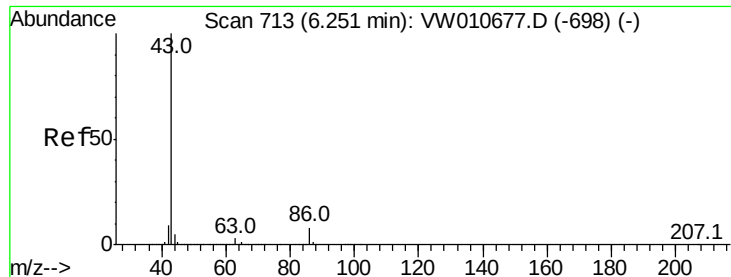
45 100

43 55.0 42.5 63.7

87 22.7 17.4 26.2

59 11.1 8.1 12.1





#23

Vinyl Acetate

Concen: 107.056 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW010685.D

Acq: 05 Jun 2019 11:58

Instrument :

MSVOA_W

ClientSampleId :

VW0605SBS02

Tot Ion: 43 Resp: 736382

Ion Ratio Lower Upper

43 100

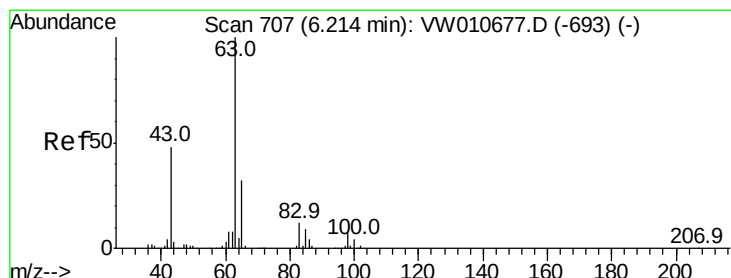
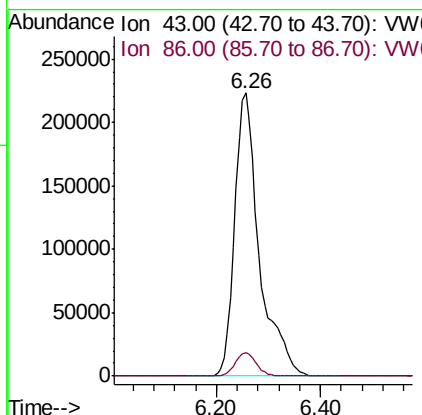
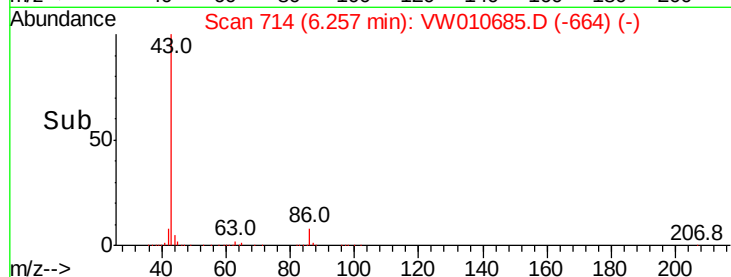
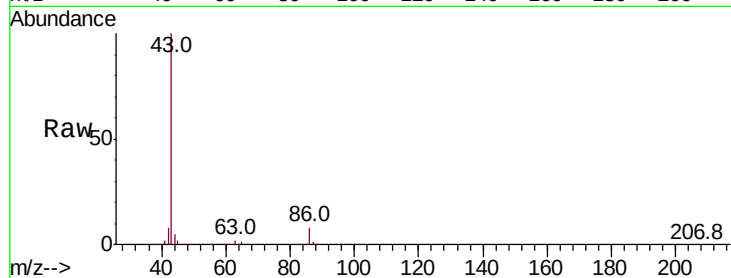
86 8.4 6.6 10.0

Manual Integrations

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MMDadoda

6/6/2019 11:51:44 AM



#24

1,1-Dichloroethane

Concen: 20.832 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW010685.D

Acq: 05 Jun 2019 11:58

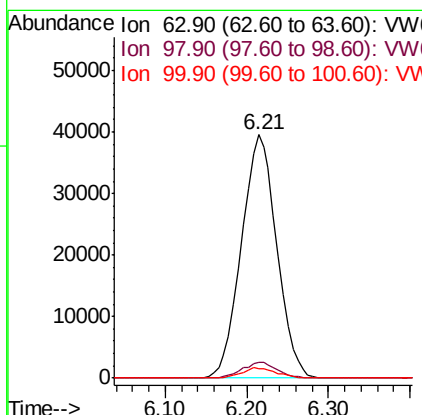
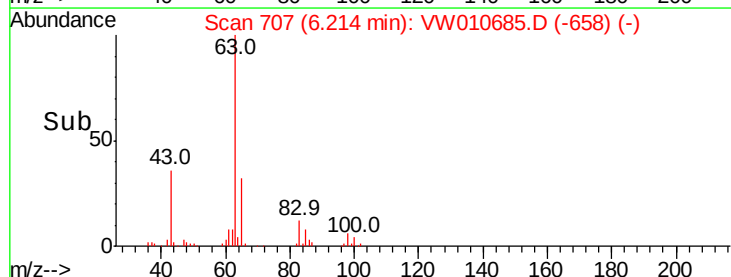
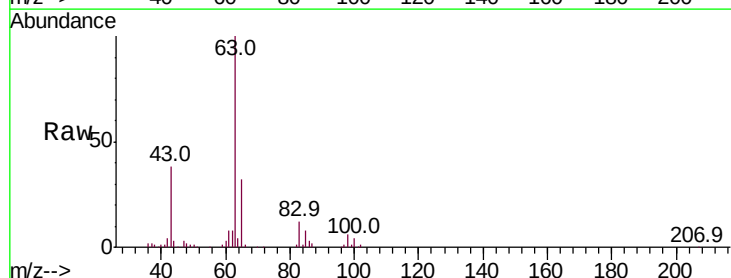
Tgt Ion: 63 Resp: 118993

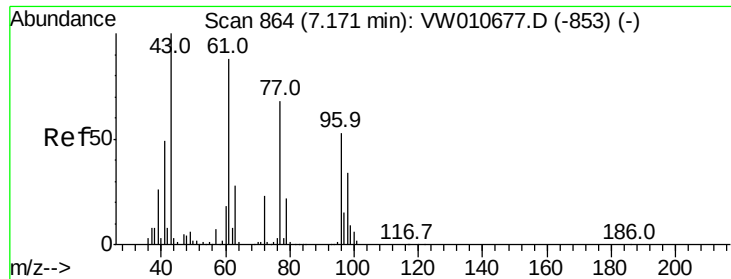
Ion Ratio Lower Upper

63 100

98 6.3 3.4 10.2

100 3.8 2.1 6.3





#25

2-Butanone

Concen: 107.375 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW010685.D

Acq: 05 Jun 2019 11:58

Instrument :

MSVOA_W

ClientSampled :

VW0605SBS02

Tot Ion: 43 Resp: 125547

Ion Ratio Lower Upper

43 100

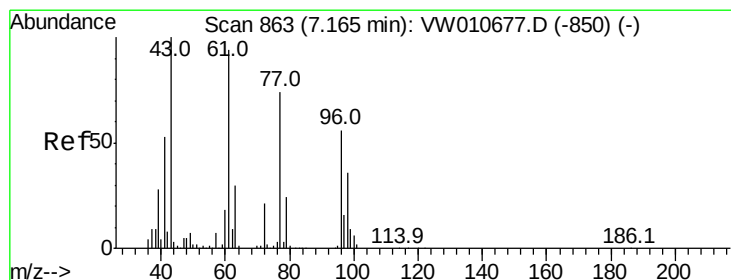
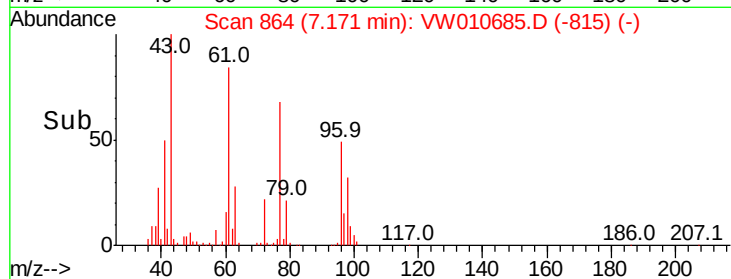
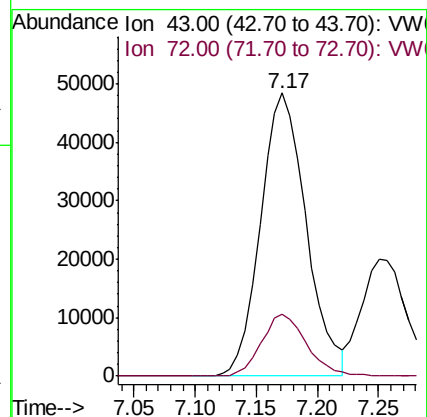
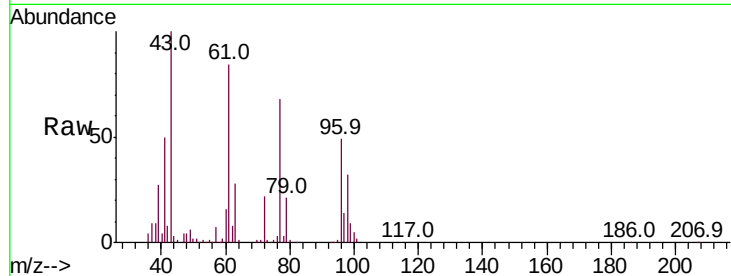
72 21.9 18.1 27.1

Manual Integrations

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6/6/2019 11:51:44 AM



#26

2,2-Dichloropropane

Concen: 21.327 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW010685.D

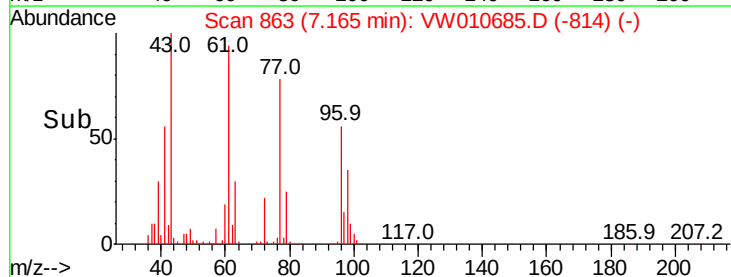
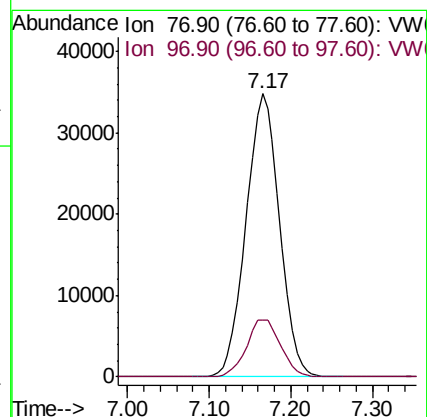
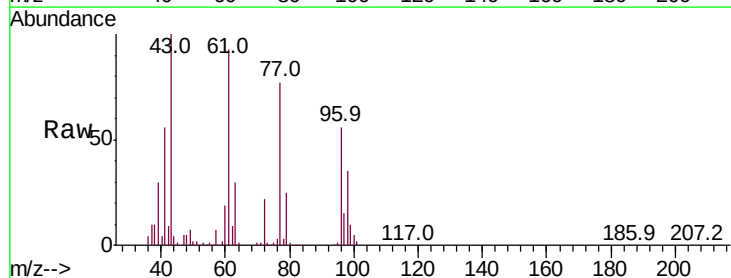
Acq: 05 Jun 2019 11:58

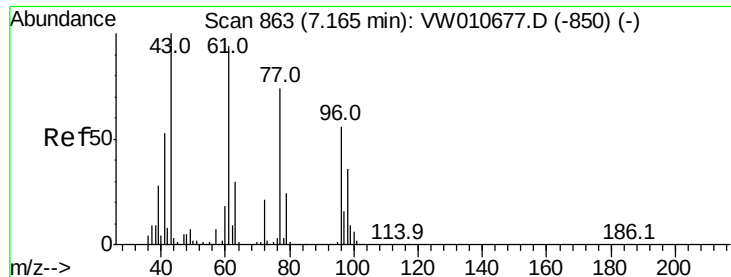
Tgt Ion: 77 Resp: 99127

Ion Ratio Lower Upper

77 100

97 20.8 10.5 31.6





#27

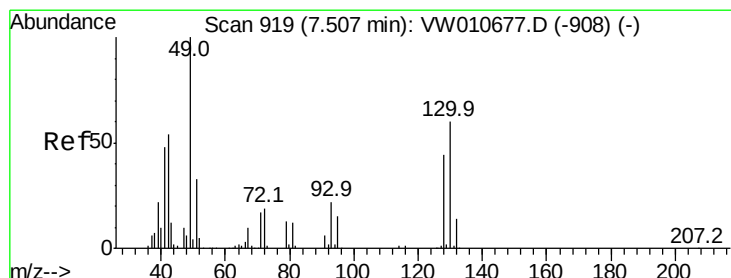
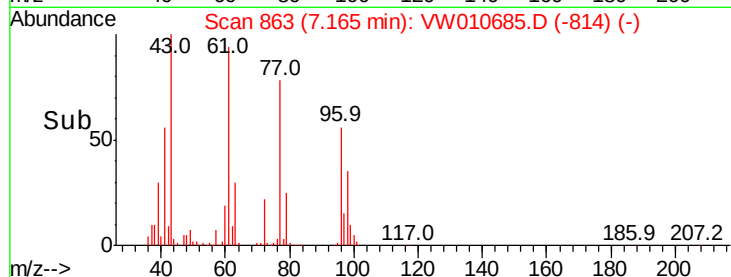
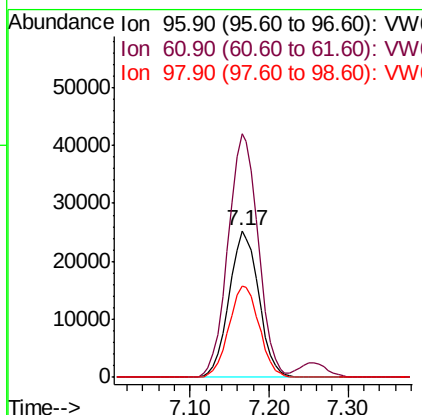
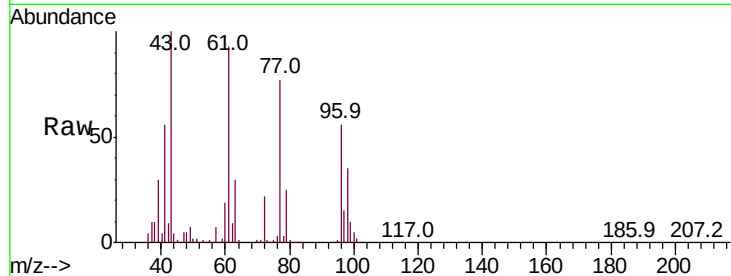
cis-1,2-Dichloroethene
Concen: 20.457 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW010685.D
Acq: 05 Jun 2019 11:58

Instrument :
MSVOA_W
ClientSampled :
VW0605SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	168.7	0.0	336.4
98	63.7	0.0	128.0

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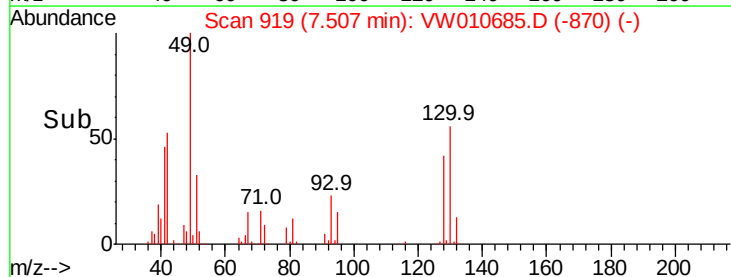
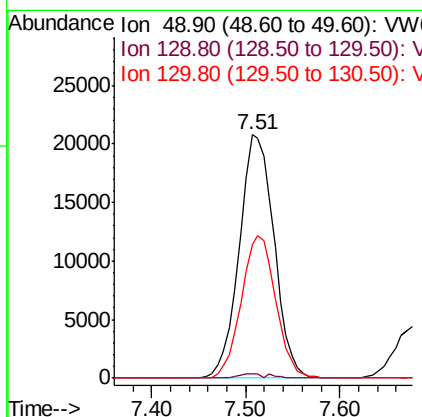
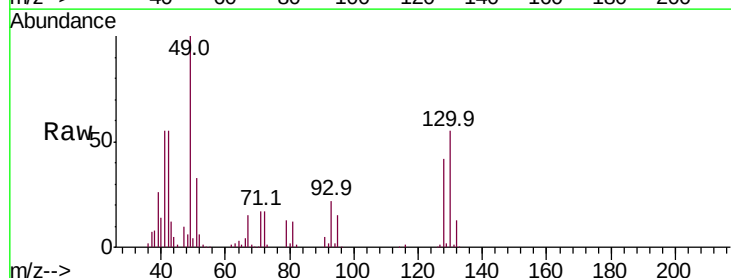
MMDadoda
6/6/2019 11:51:44 AM

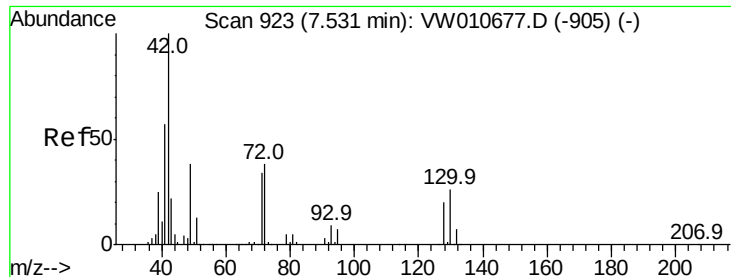


#28

Bromochloromethane
Concen: 20.888 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW010685.D
Acq: 05 Jun 2019 11:58

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	3.2
130	58.1	48.3	72.5





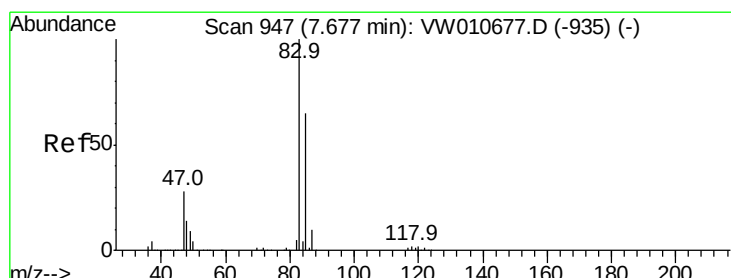
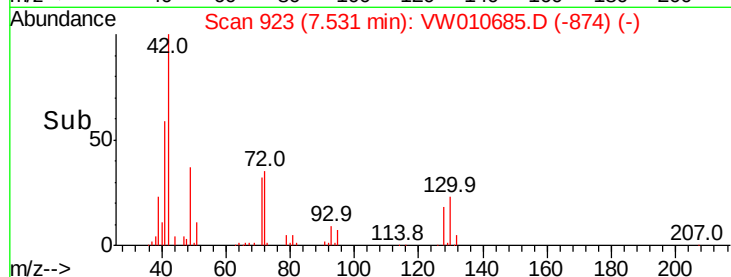
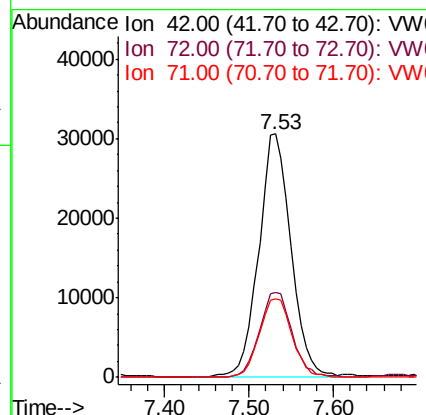
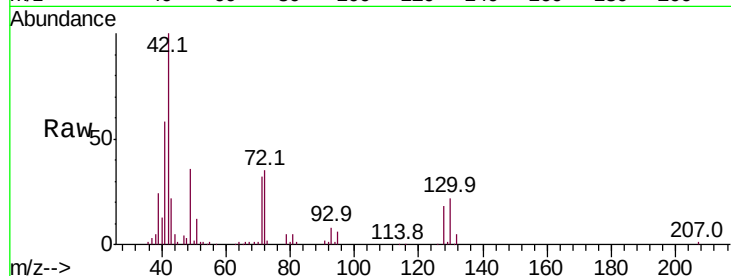
#29
Tetrahydrofuran
Concen: 109.582 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW010685.D
Acq: 05 Jun 2019 11:58

Instrument :
MSVOA_W
ClientSampleId :
VW0605SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.5	28.7	43.1
71	32.8	26.6	39.8

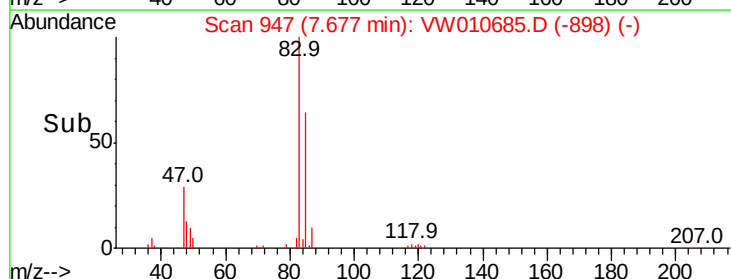
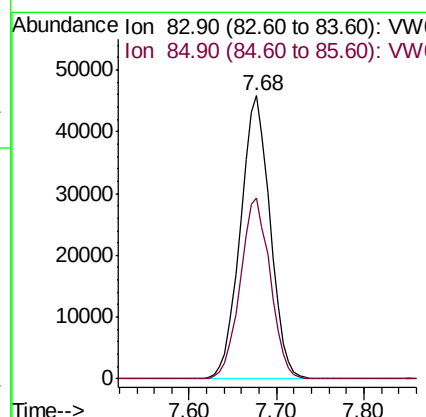
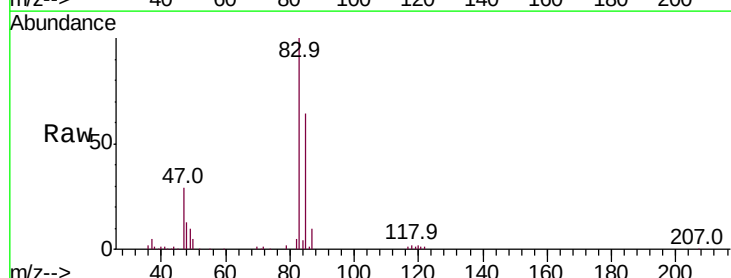
Manual Integrations
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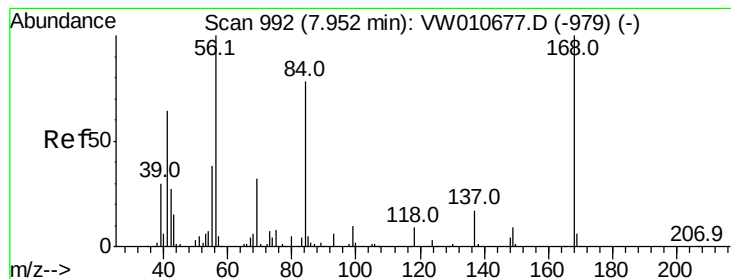
MMDadoda
6/6/2019 11:51:44 AM



#30
Chloroform
Concen: 20.666 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW010685.D
Acq: 05 Jun 2019 11:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.8	77.8





#31

Cyclohexane

Concen: 20.081 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW010685.D

Acq: 05 Jun 2019 11:58

Instrument :

MSVOA_W

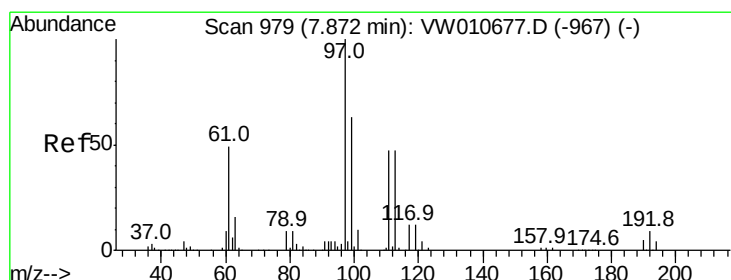
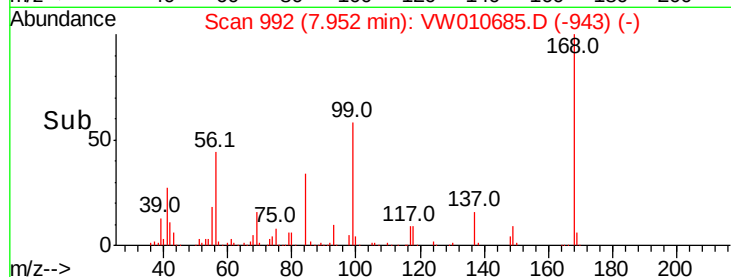
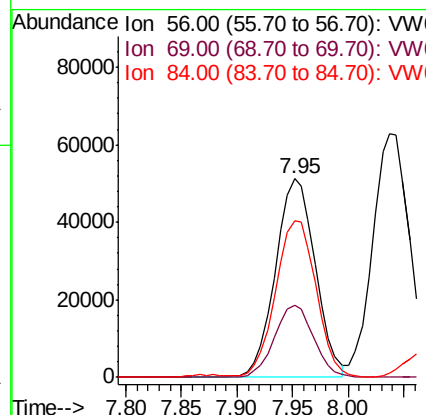
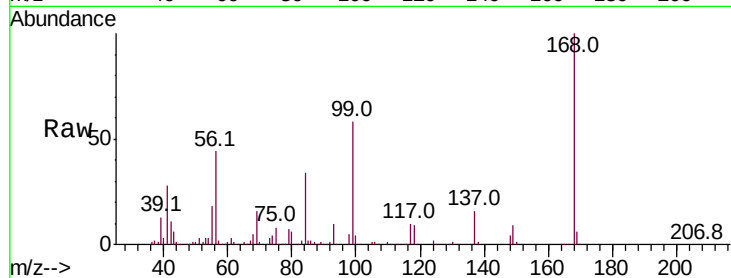
ClientSampled :

VW0605SBS02

Tot Ion	56	Resp	127504
Ion	Ratio	Lower	Upper
56	100		
69	36.6	25.2	37.8
84	77.9	62.2	93.2

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#32

1,1,1-Trichloroethane

Concen: 20.949 ug/l

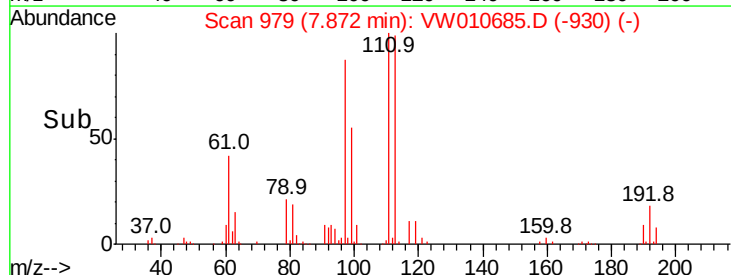
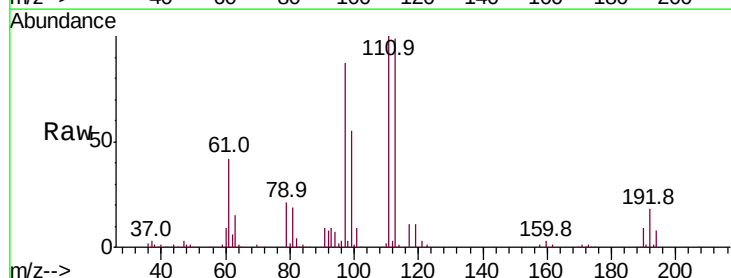
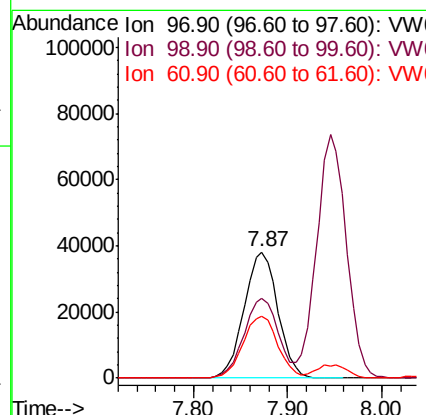
RT: 7.87 min Scan# 979

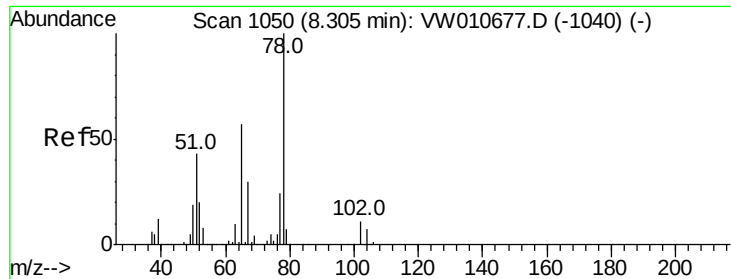
Delta R.T. 0.00 min

Lab File: VW010685.D

Acq: 05 Jun 2019 11:58

Tgt Ion	97	Resp	95607
Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.3	76.9
61	50.7	40.4	60.6





#33

1,2-Dichloroethane-d4

Concen: 55.208 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW010685.D

Acq: 05 Jun 2019 11:58

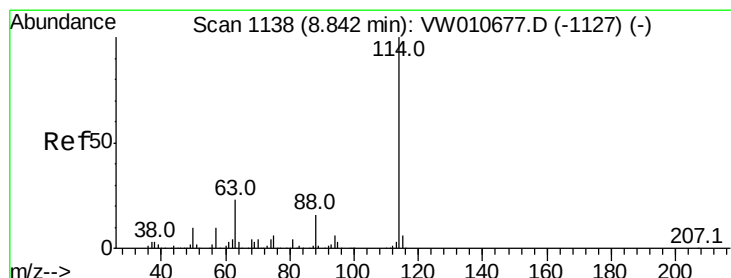
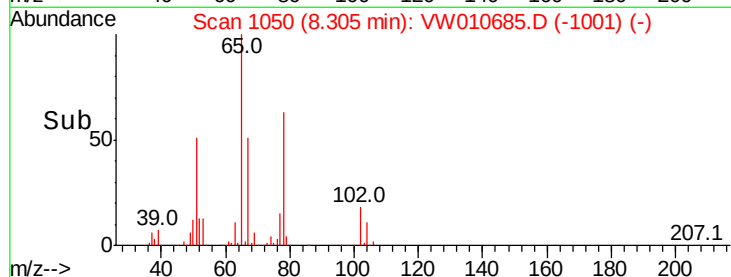
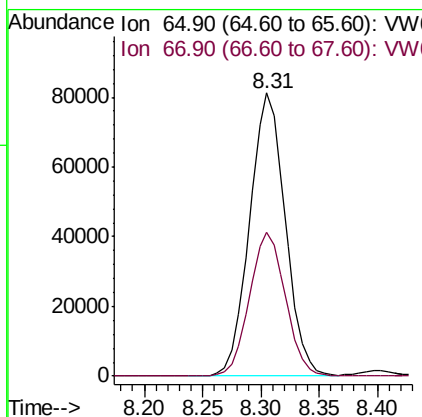
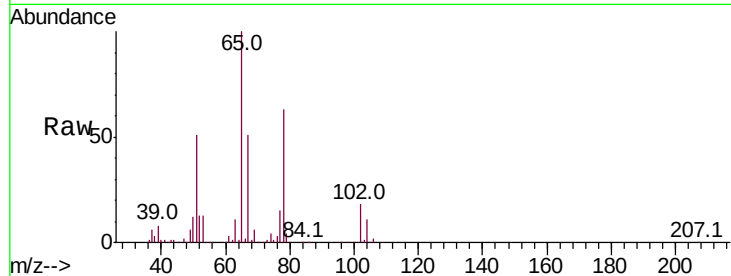
Instrument :
MSVOA_W

ClientSampleId :
VW0605SBS02

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	102.6

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

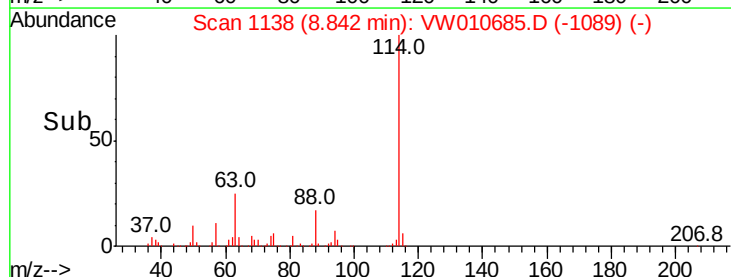
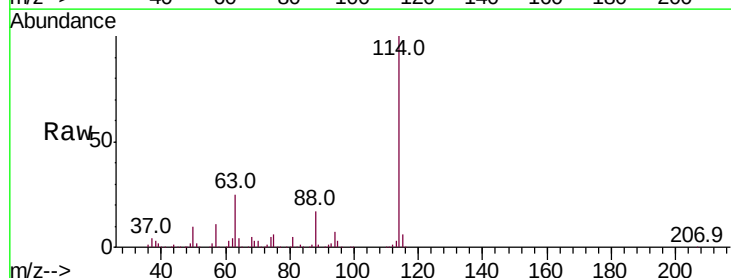
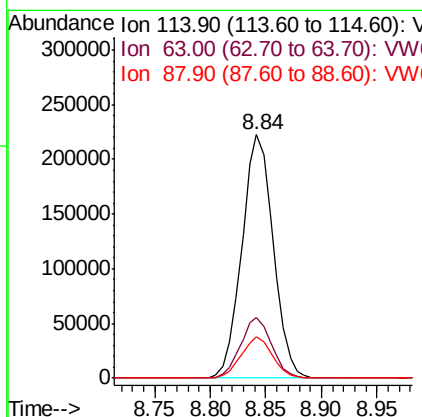
RT: 8.84 min Scan# 1138

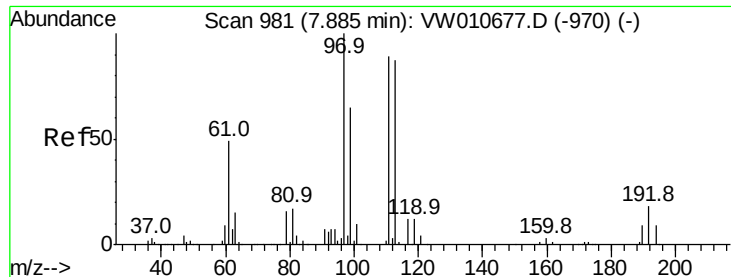
Delta R.T. 0.00 min

Lab File: VW010685.D

Acq: 05 Jun 2019 11:58

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.9	0.0	46.4
88	16.8	0.0	32.2





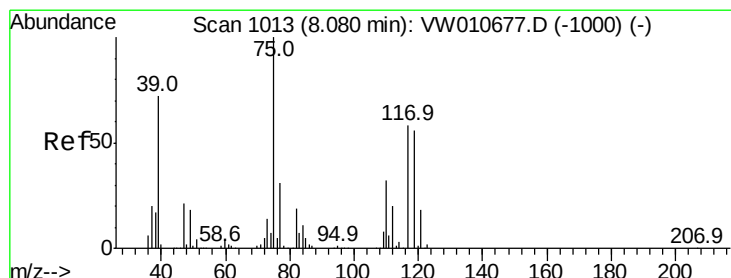
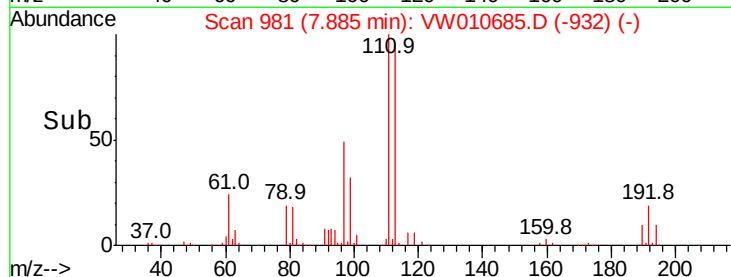
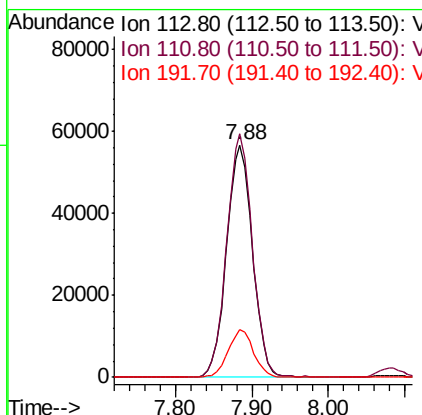
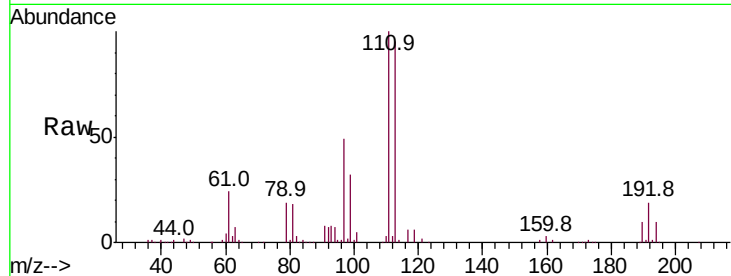
#35
 Dibromofluoromethane
 Concen: 56.176 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW010685.D
 Acq: 05 Jun 2019 11:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0605SBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.4	82.6	123.8	
192	20.1	16.4	24.6	

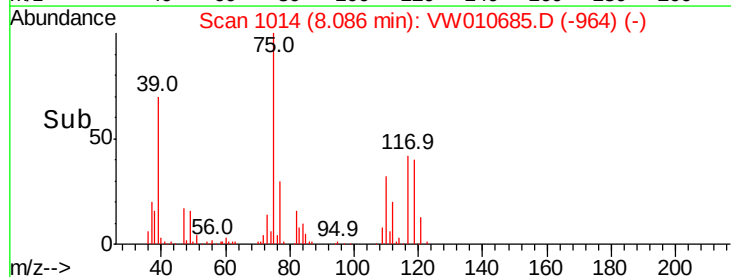
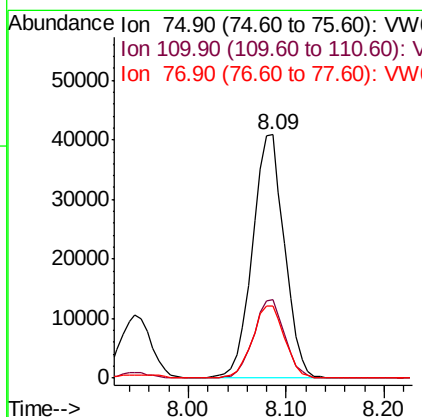
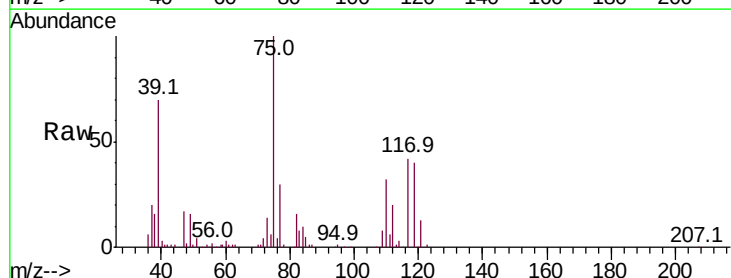
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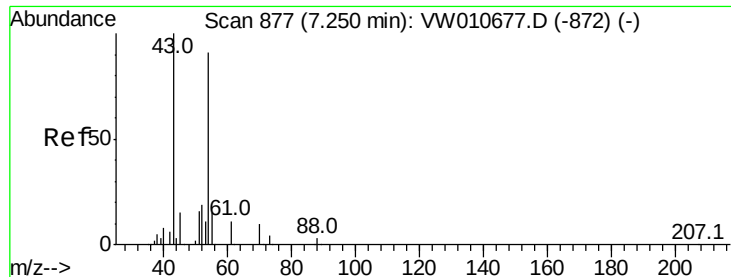
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#36
 1,1-Dichloropropene
 Concen: 20.798 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.01 min
 Lab File: VW010685.D
 Acq: 05 Jun 2019 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	31.2	15.8	47.3	
77	30.3	24.7	37.1	





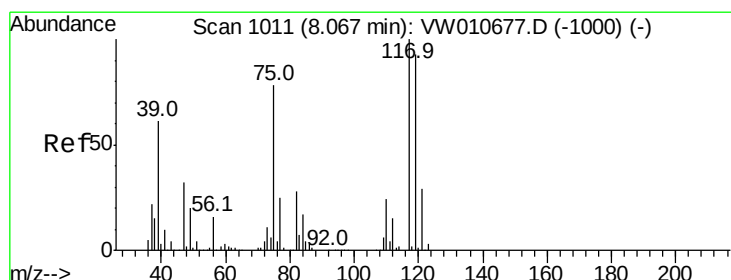
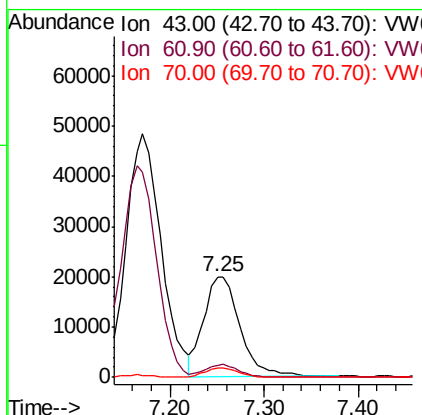
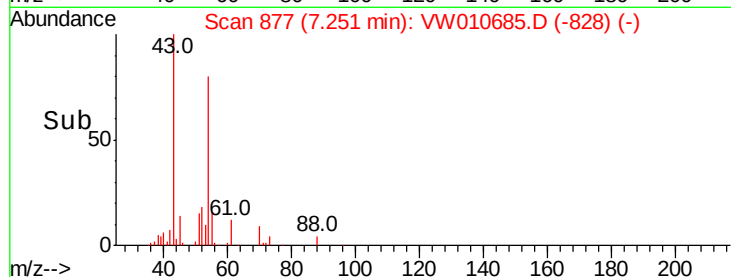
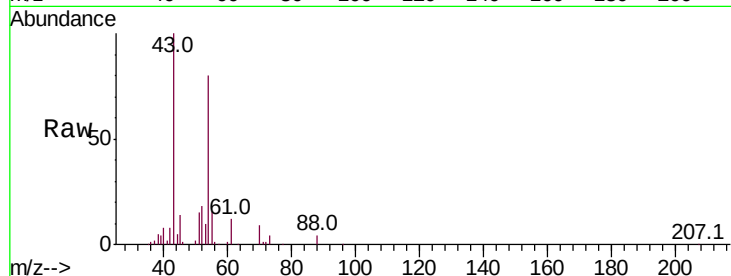
#37
Ethyl Acetate
Concen: 21.409 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW010685.D
Acq: 05 Jun 2019 11:58

Instrument :
MSVOA_W
ClientSampleId :
VW0605SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.6	9.7	14.5
70	9.2	7.2	10.8

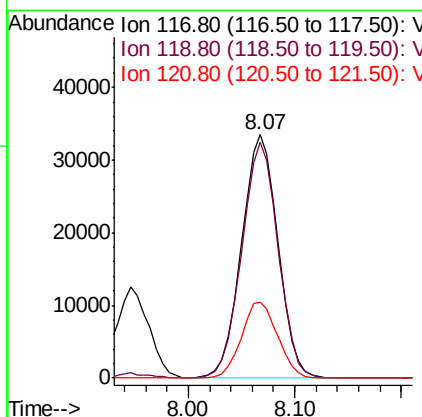
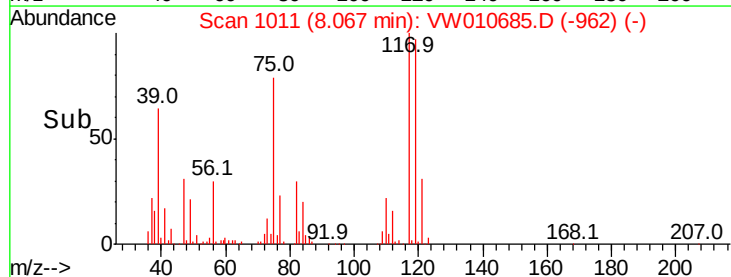
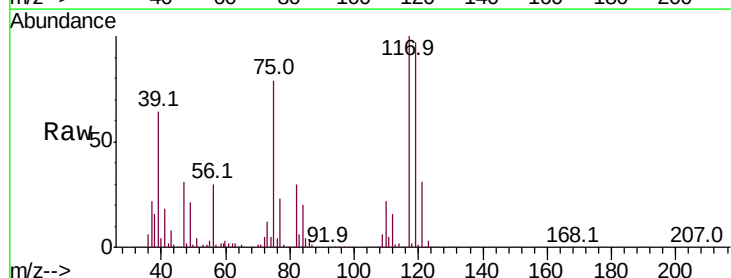
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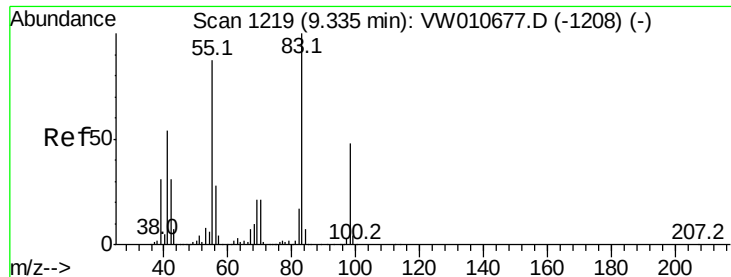
MMDadoda
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#38
Carbon Tetrachloride
Concen: 20.857 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW010685.D
Acq: 05 Jun 2019 11:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	74.2	111.4
121	31.0	22.9	34.3





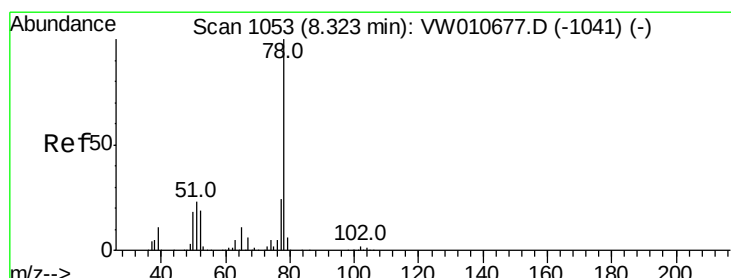
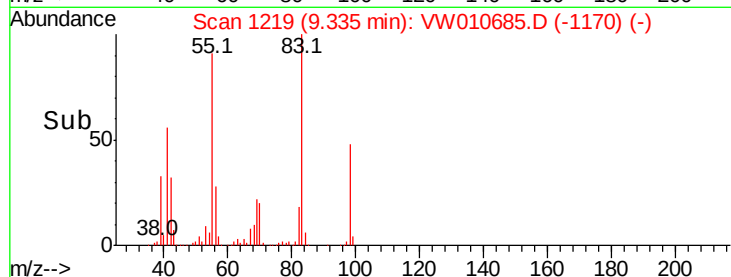
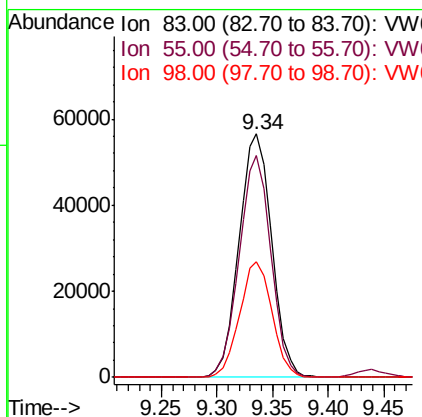
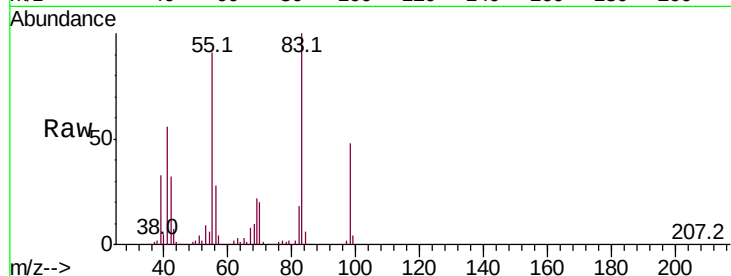
#39
Methylvlcyclohexane
Concen: 20.303 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW010685.D
Acq: 05 Jun 2019 11:58

Instrument :
MSVOA_W
ClientSampleId :
VW0605SBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	91.2	70.0	105.0
98	47.7	38.1	57.1

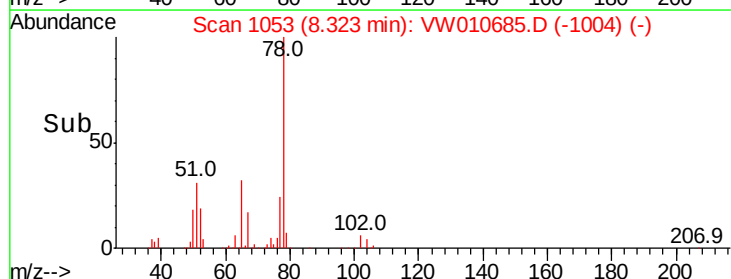
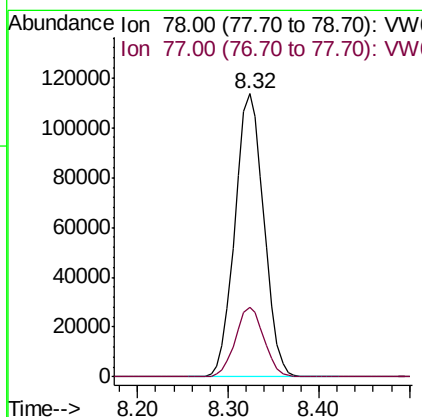
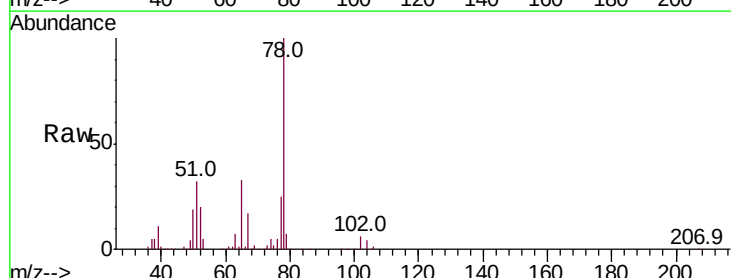
Manual Integrations
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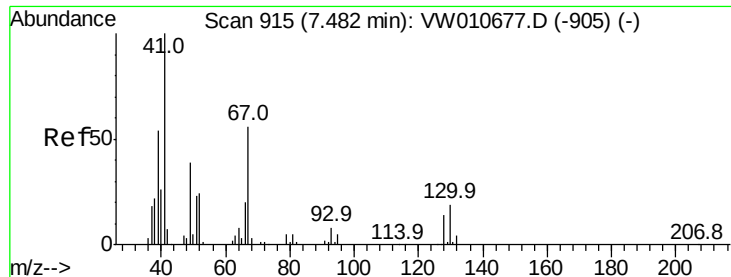
MMDadoda
6/6/2019 11:51:44 AM



#40
Benzene
Concen: 20.666 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW010685.D
Acq: 05 Jun 2019 11:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.1	28.7





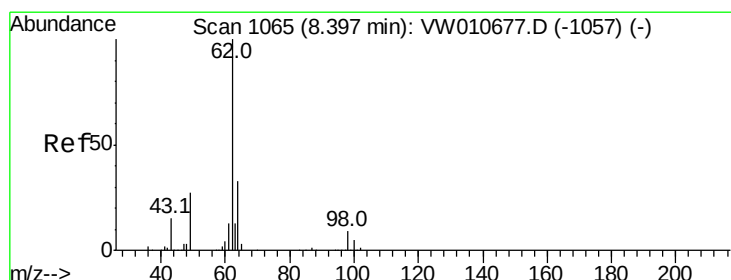
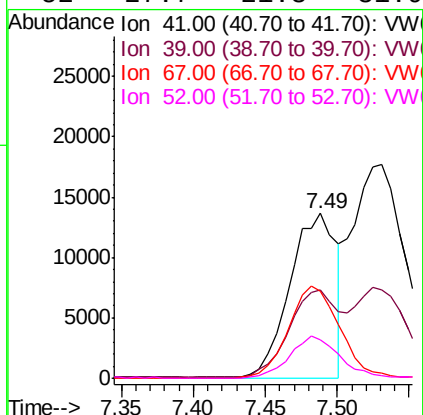
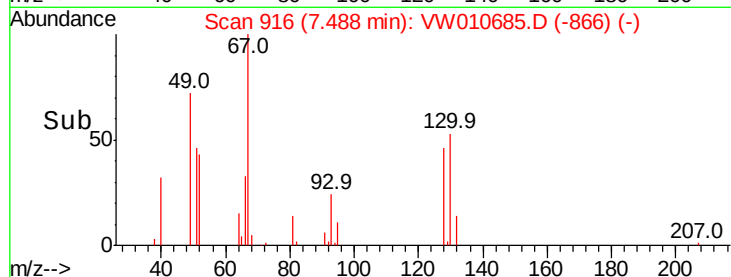
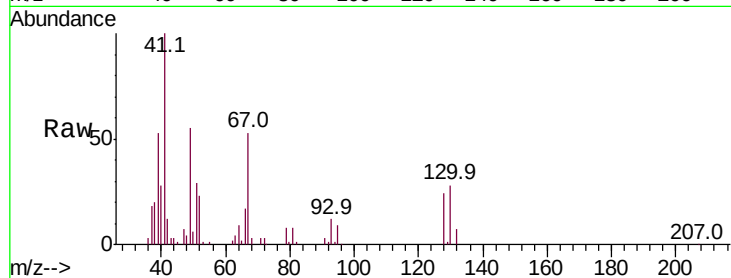
#41
Methacrylonitrile
Concen: 21.063 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW010685.D
Acq: 05 Jun 2019 11:58

Instrument :
MSVOA_W
ClientSampleId :
VW0605SBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	59.1	47.3	70.9
67	61.3	47.2	70.8
52	27.7	21.3	31.9

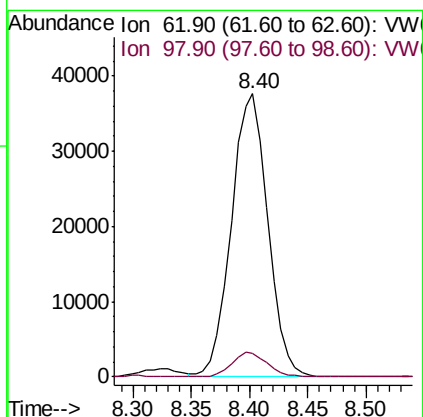
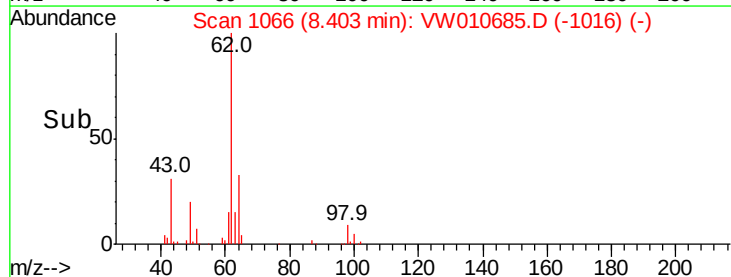
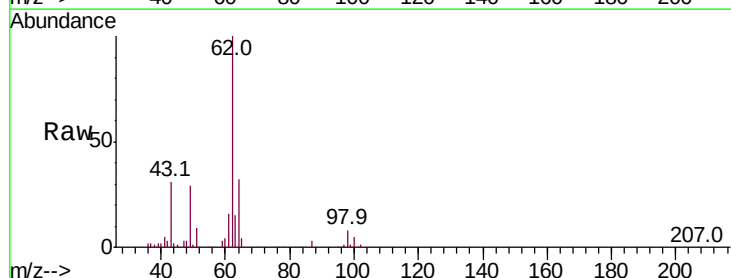
Manual Integrations
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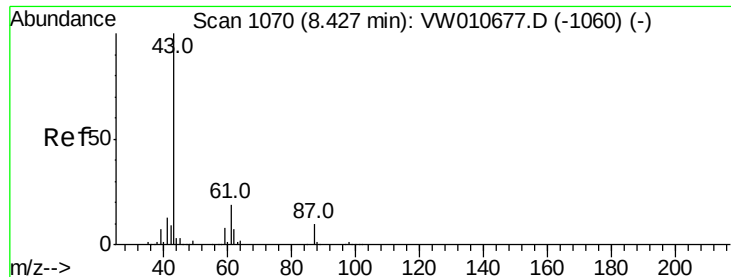
MMDadoda
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#42
1,2-Dichloroethane
Concen: 21.209 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW010685.D
Acq: 05 Jun 2019 11:58

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.2





#43

Isopropyl Acetate

Concen: 21.532 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW010685.D

Acq: 05 Jun 2019 11:58

Instrument :

MSVOA_W

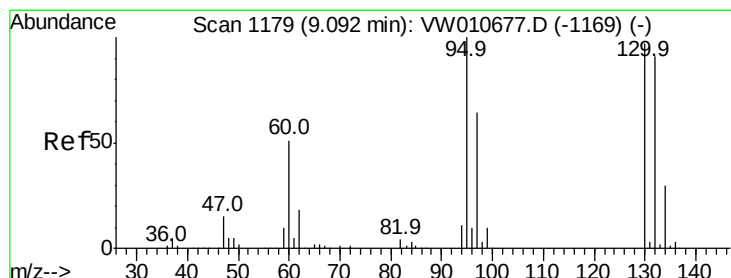
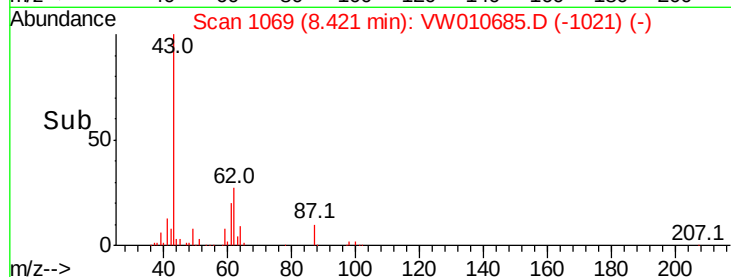
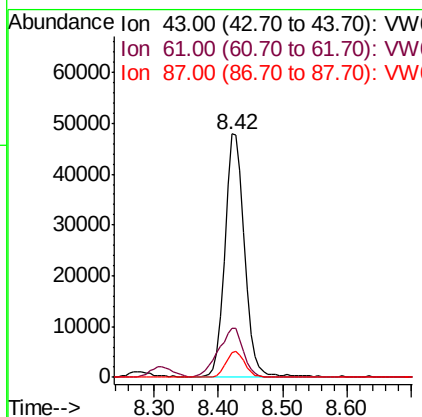
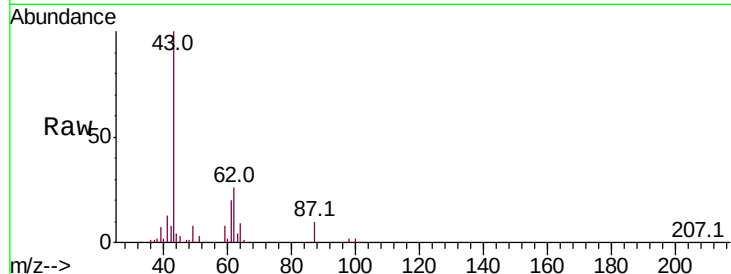
ClientSampleId :

VW0605SBS02

Tot Ion:	43	Resp:	102794
Ion	Ratio	Lower	Upper
43	100		
61	26.1	21.2	31.8
87	10.6	8.3	12.5

Manual Integrations
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6/6/2019 11:51:44 AM



#44

Trichloroethene

Concen: 20.544 ug/l

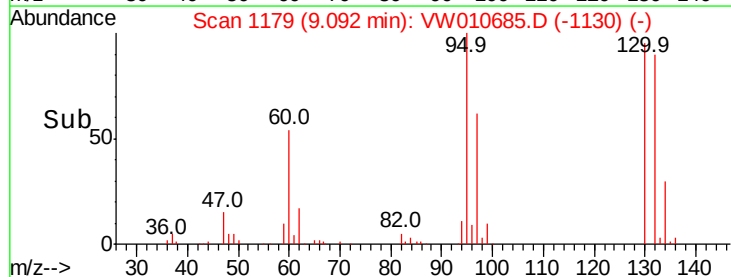
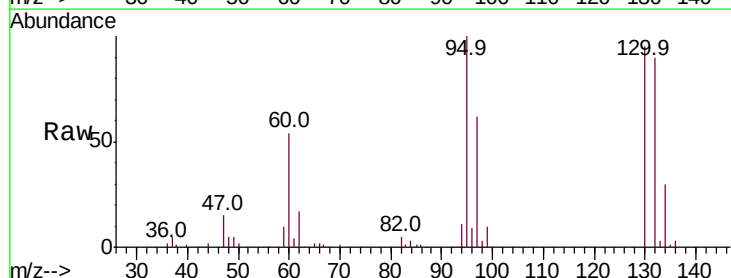
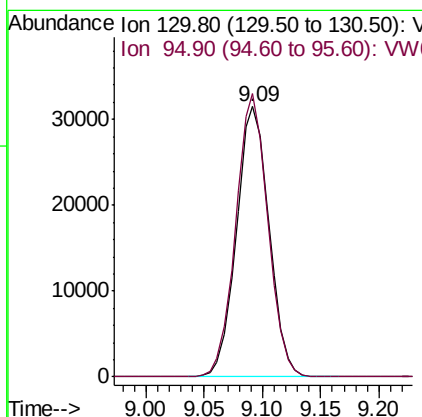
RT: 9.09 min Scan# 1179

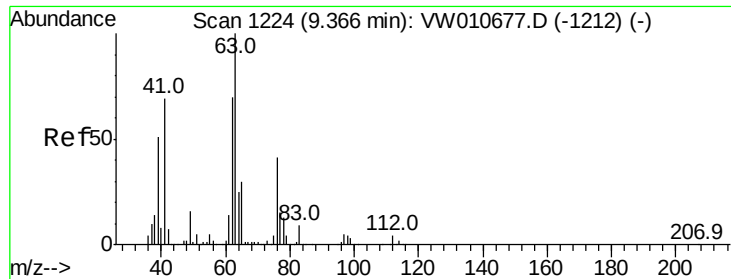
Delta R.T. 0.00 min

Lab File: VW010685.D

Acq: 05 Jun 2019 11:58

Tgt Ion:	130	Resp:	61650
Ion	Ratio	Lower	Upper
130	100		
95	104.8	0.0	207.0





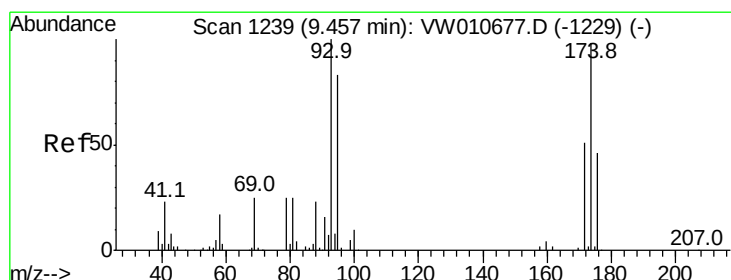
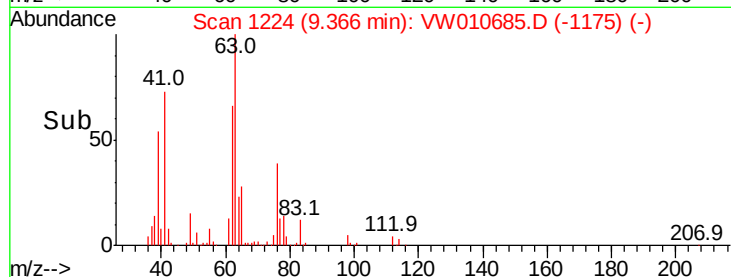
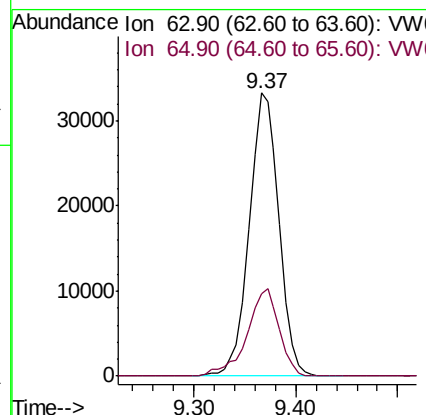
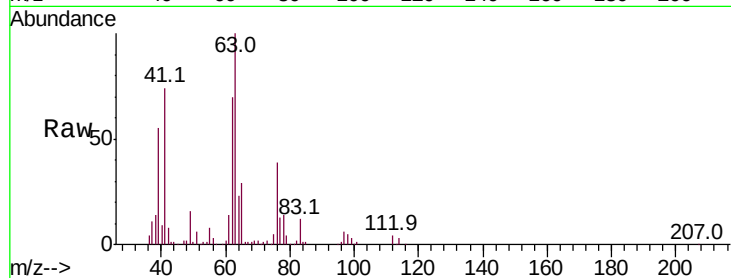
#45
 1,2-Dichloropropane
 Concen: 20.884 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW010685.D
 Acq: 05 Jun 2019 11:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0605SBS02

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.0	23.8	35.6

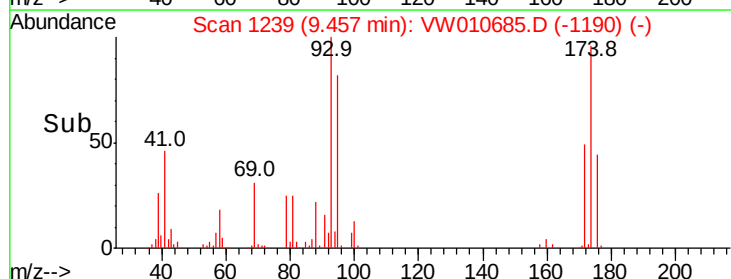
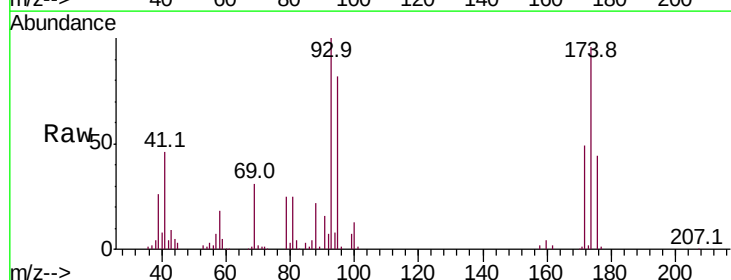
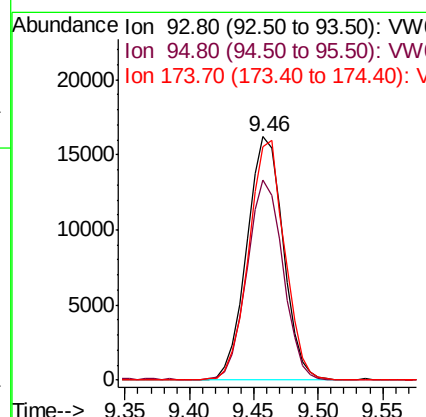
Manual Integrations
 APPROVED

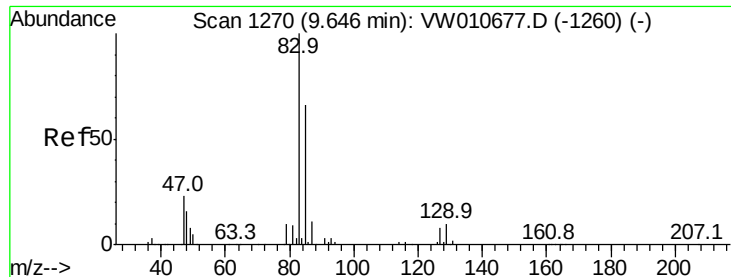
MMDadoda
 6/6/2019 11:51:44 AM



#46
 Dibromomethane
 Concen: 21.144 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW010685.D
 Acq: 05 Jun 2019 11:58

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.2	65.8	98.8
174	96.8	77.4	116.0





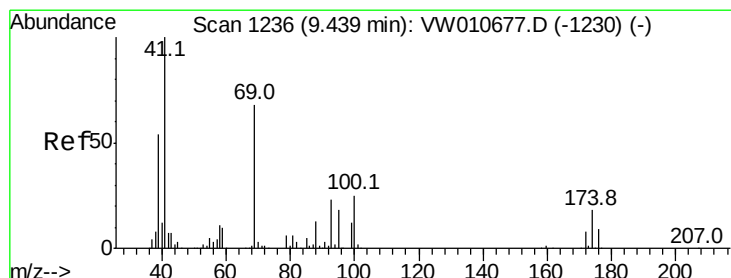
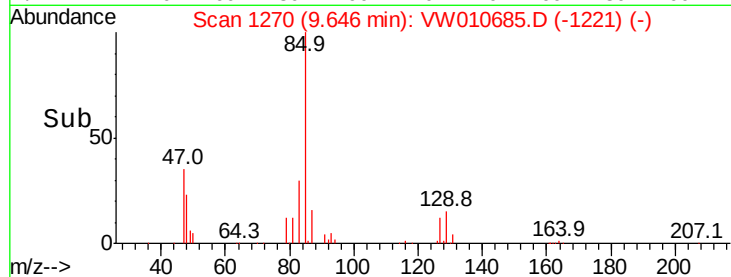
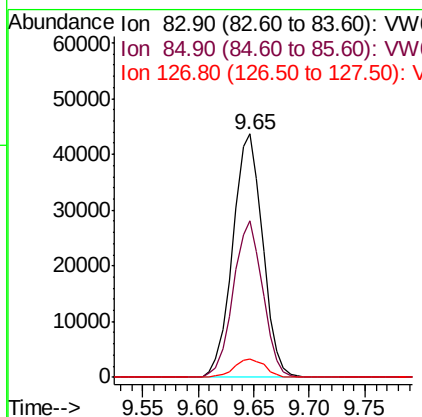
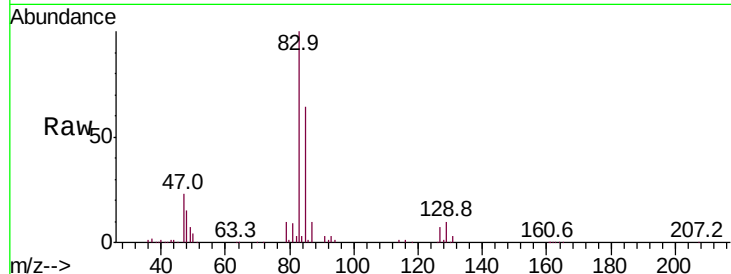
#47
Bromodichloromethane
Concen: 20.965 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW010685.D
Acq: 05 Jun 2019 11:58

Instrument :
MSVOA_W
ClientSampleId :
VW0605SBS02

Tot Ion	83	Resp	81288
Ion Ratio	100	Lower	Upper
83	100		
85	64.3	53.0	79.4
127	7.4	6.4	9.6

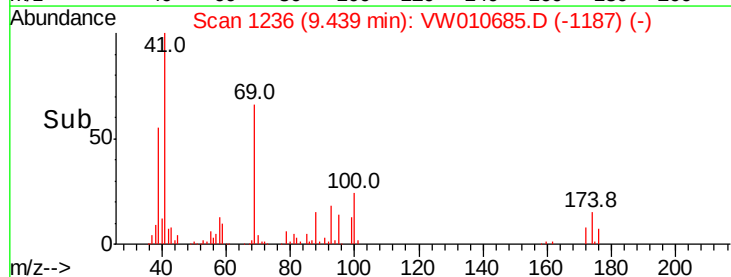
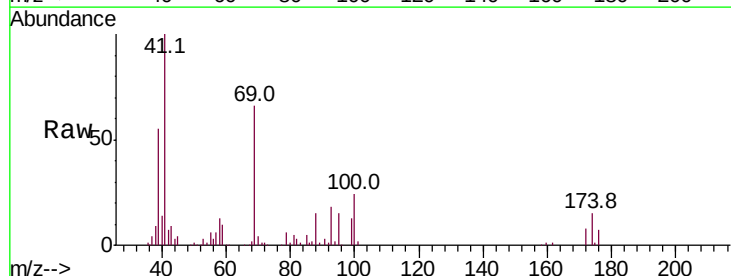
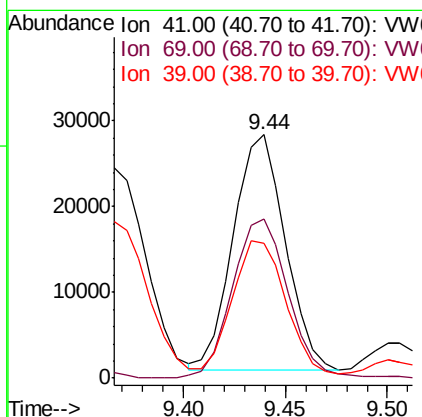
Manual Integrations
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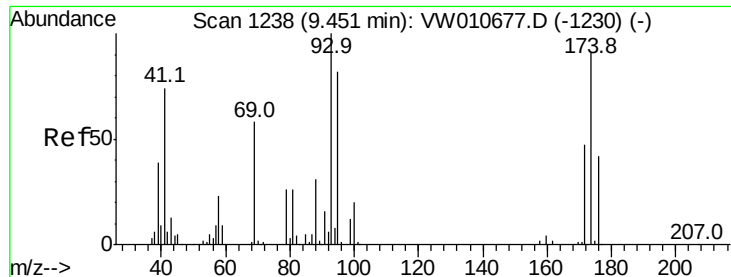
MMDadoda
6/6/2019 11:51:44 AM



#48
Methyl methacrylate
Concen: 21.175 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW010685.D
Acq: 05 Jun 2019 11:58

Tgt Ion	41	Resp	48739
Ion Ratio	100	Lower	Upper
41	100		
69	72.8	56.6	85.0
39	57.1	44.4	66.6





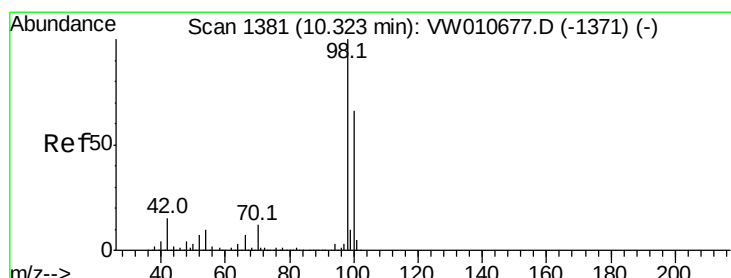
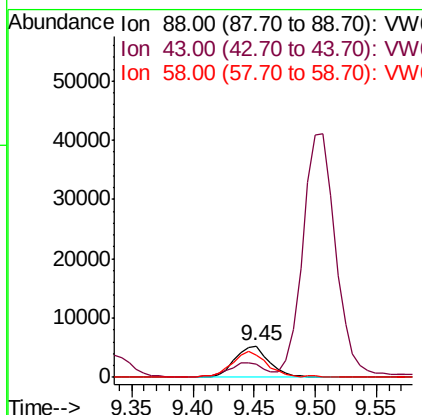
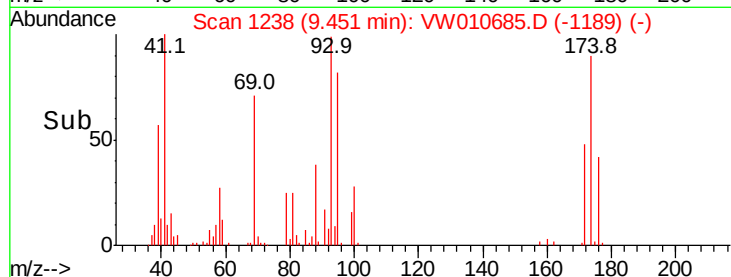
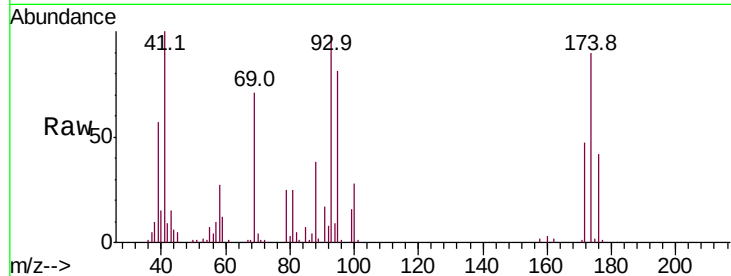
#49
1,4-Dioxane
Concen: 439.977 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.00 min
Lab File: VW010685.D
Acq: 05 Jun 2019 11:58

Instrument :
MSVOA_W
ClientSampleId :
VW0605SBS02

Tot Ion	88	Resp	10289
Ion	Ratio	Lower	Upper
88	100		
43	47.6	34.2	51.4
58	82.1	69.0	103.4

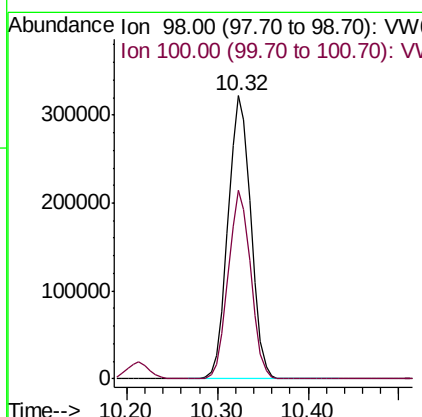
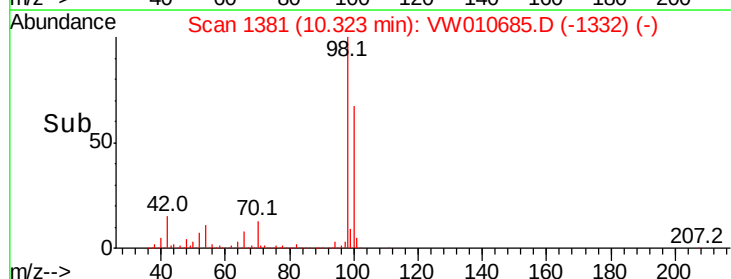
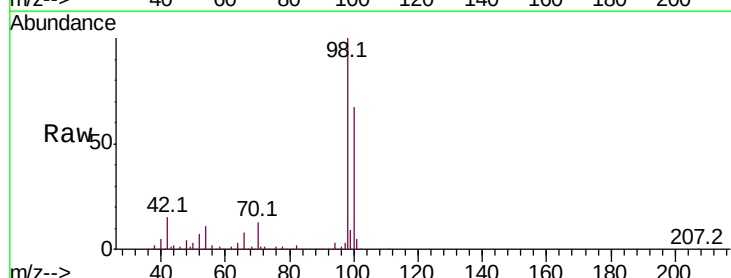
Manual Integrations
APPROVED

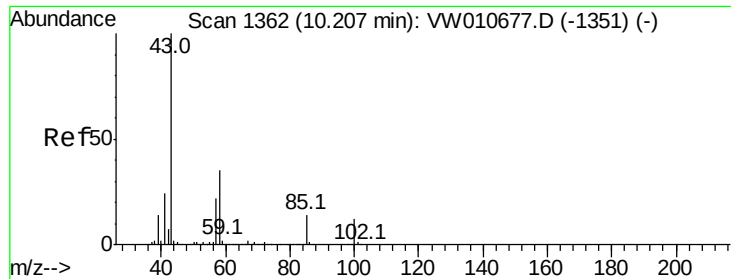
MMDadoda
6/6/2019 11:51:44 AM



#50
Toluene-d8
Concen: 54.157 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW010685.D
Acq: 05 Jun 2019 11:58

Tgt Ion	98	Resp	561553
Ion	Ratio	Lower	Upper
98	100		
100	65.9	53.0	79.6





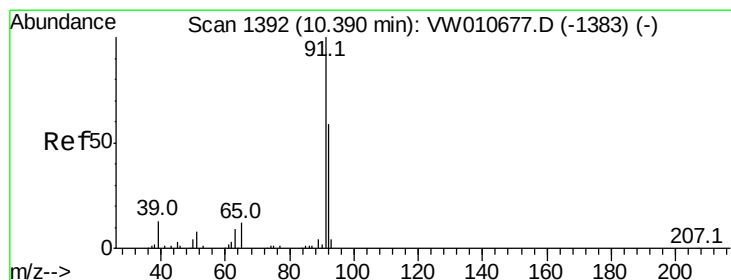
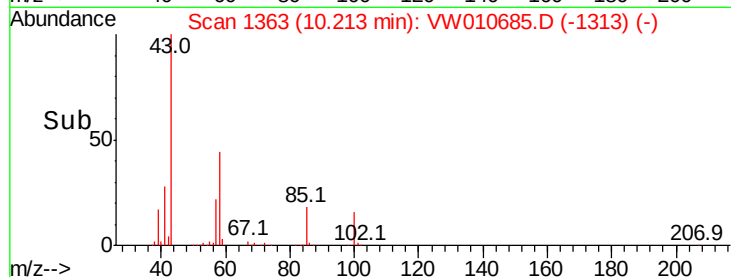
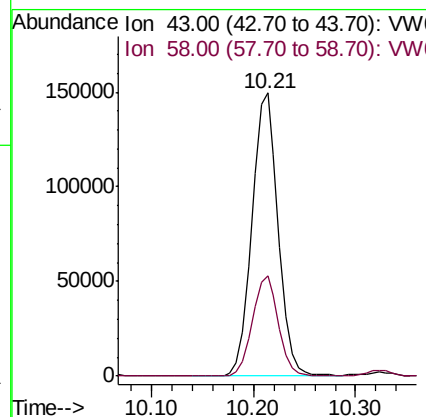
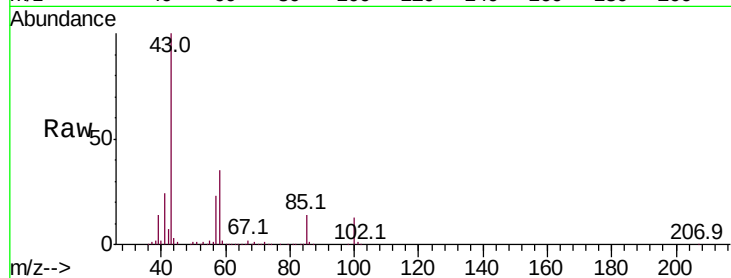
#51
4-Methyl-2-Pentanone
Concen: 109.203 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.01 min
Lab File: VW010685.D
Acq: 05 Jun 2019 11:58

Instrument :
MSVOA_W
ClientSampleId :
VW0605SBS02

Tot Ion	43	58	Ratio	100	35.3	Resp	266334	Lower	28.4	Upper	42.6
Ion	43	58	Ratio	100	35.3	Resp	266334	Lower	28.4	Upper	42.6

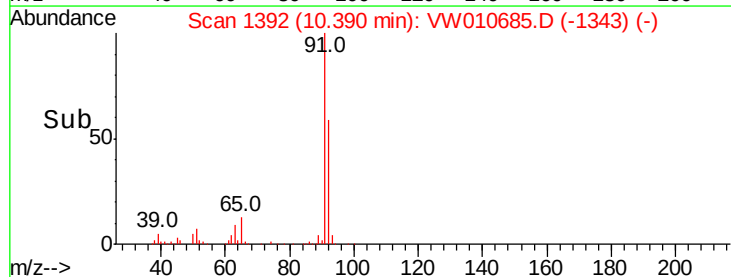
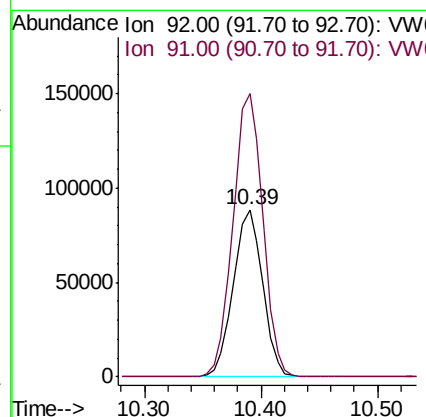
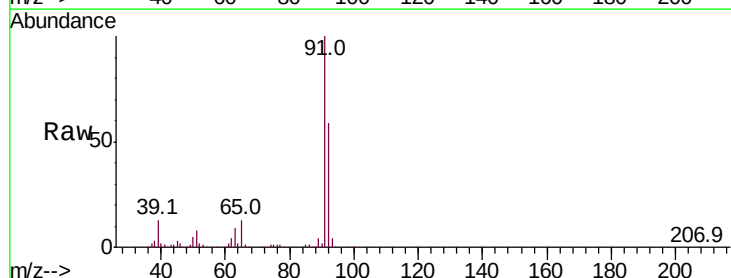
Manual Integrations
APPROVED

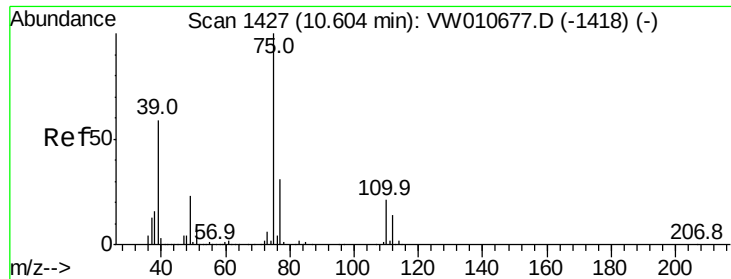
MMDadoda
6/6/2019 11:51:44 AM



#52
Toluene
Concen: 20.825 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW010685.D
Acq: 05 Jun 2019 11:58

Tgt Ion	92	91	Ratio	100	171.7	Resp	155875	Lower	134.9	Upper	202.3
Ion	92	91	Ratio	100	171.7	Resp	155875	Lower	134.9	Upper	202.3





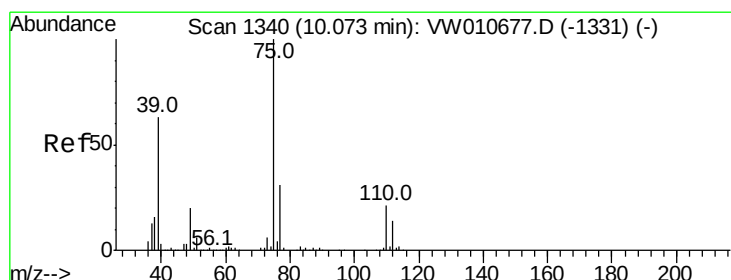
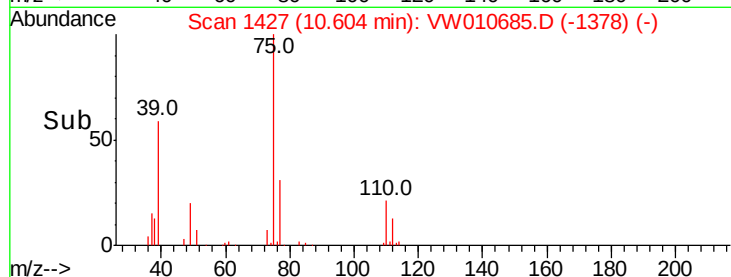
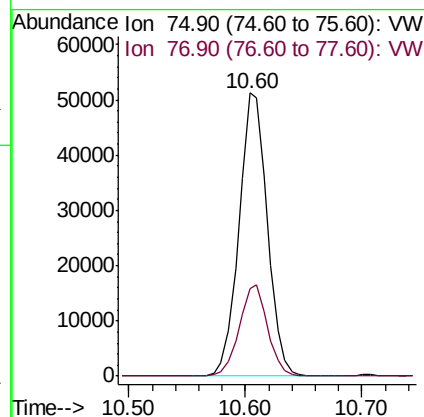
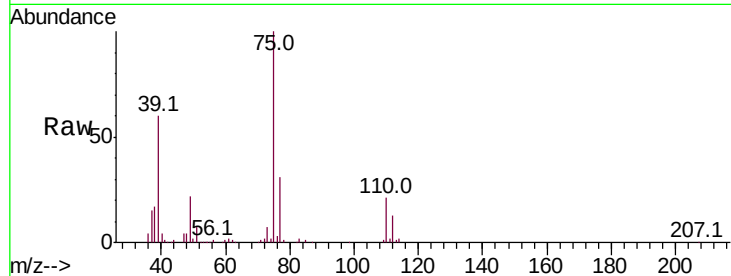
#53
t-1,3-Dichloropropene
Concen: 21.142 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW010685.D
Acq: 05 Jun 2019 11:58

Instrument :
MSVOA_W
ClientSampled :
VW0605SBS02

Tot Ion: 75 Resp: 86823
Ion Ratio Lower Upper
75 100
77 30.7 24.6 36.8

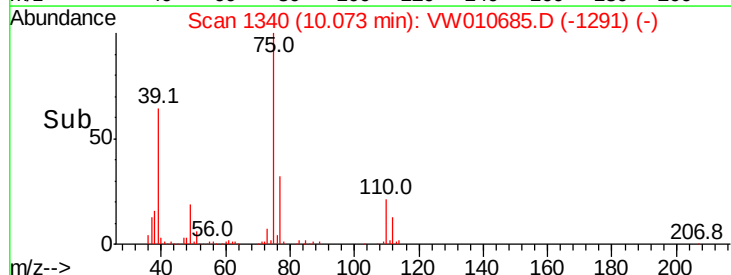
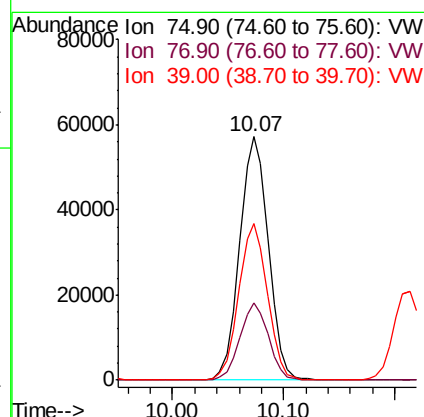
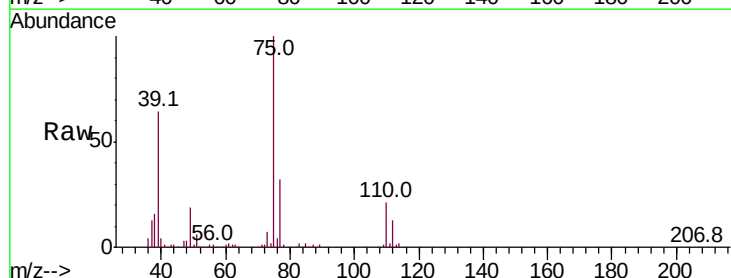
Manual Integrations
APPROVED

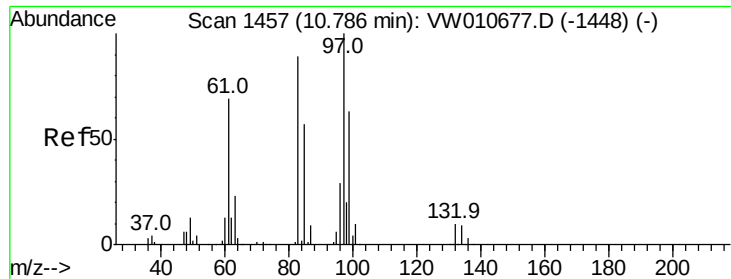
MMDadoda
6/6/2019 11:51:44 AM



#54
cis-1,3-Dichloropropene
Concen: 21.063 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW010685.D
Acq: 05 Jun 2019 11:58

Tgt Ion: 75 Resp: 101787
Ion Ratio Lower Upper
75 100
77 31.9 25.2 37.8
39 64.0 50.1 75.1





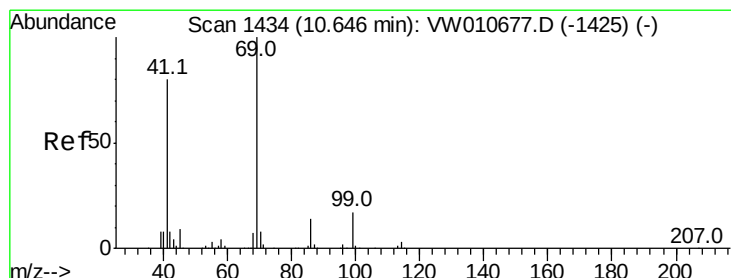
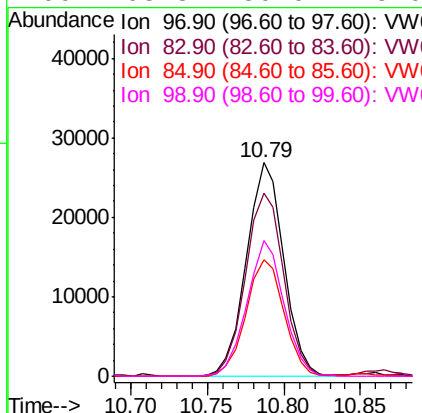
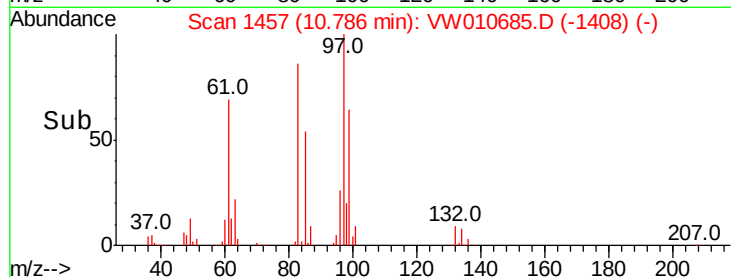
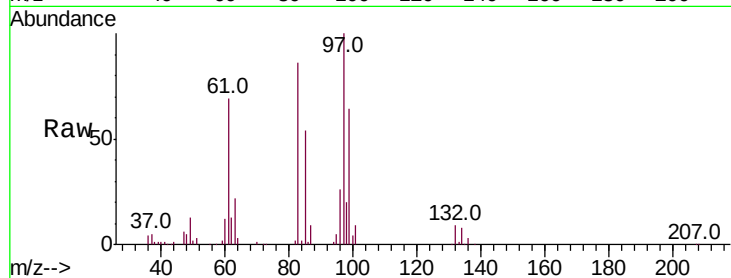
#55
 1,1,2-Trichloroethane
 Concen: 21.140 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW010685.D
 Acq: 05 Jun 2019 11:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0605SBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		45551		
83	85.6	71.1	106.7		
85	54.4	45.2	67.8		
99	63.8	50.0	75.0		

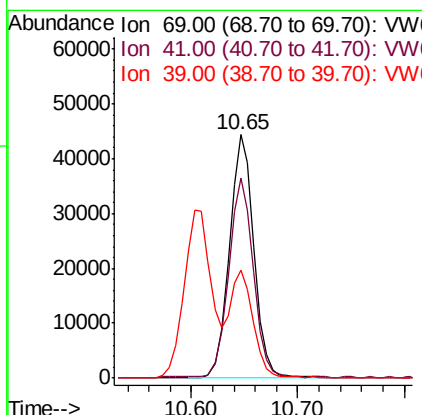
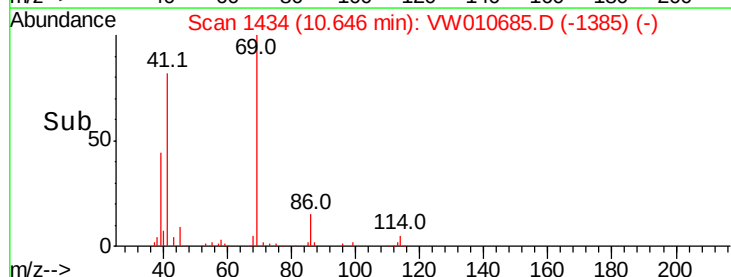
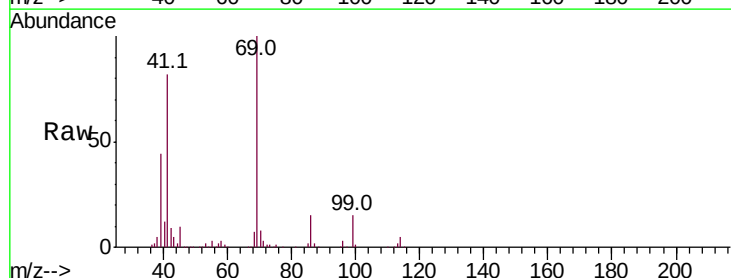
Manual Integrations
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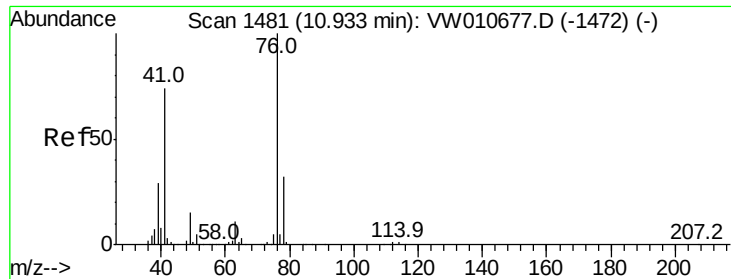
MMDadoda
 6/6/2019 11:51:44 AM



#56
 Ethyl methacrylate
 Concen: 21.518 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW010685.D
 Acq: 05 Jun 2019 11:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		71345		
41	82.8	64.8	97.2		
39	41.7	32.2	48.2		





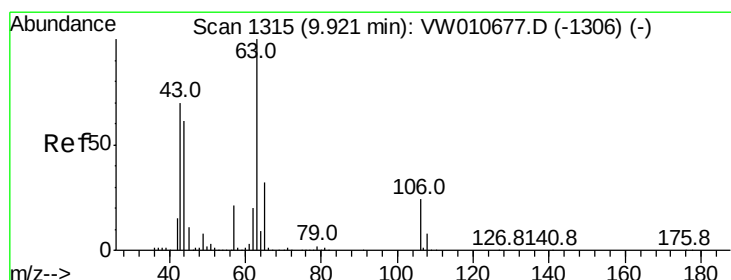
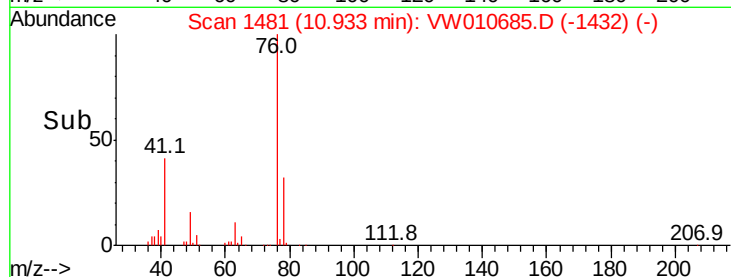
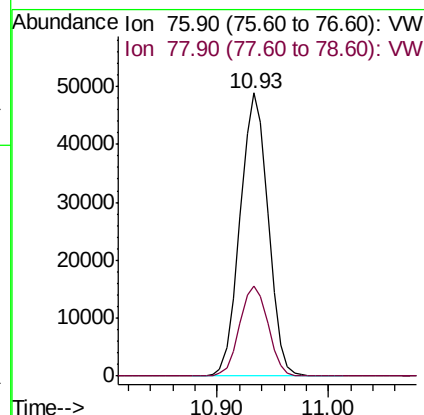
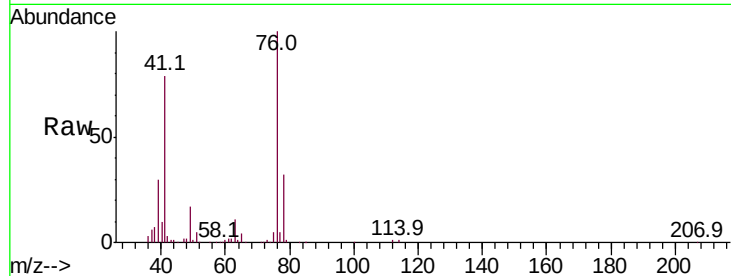
#57
 1,3-Dichloropropane
 Concen: 20.944 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW010685.D
 Acq: 05 Jun 2019 11:58

Instrument :
 MSVOA_W
 ClientSampled :
 VW0605SBS02

Tot Ion: 76 Resp: 85049
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.7 38.5

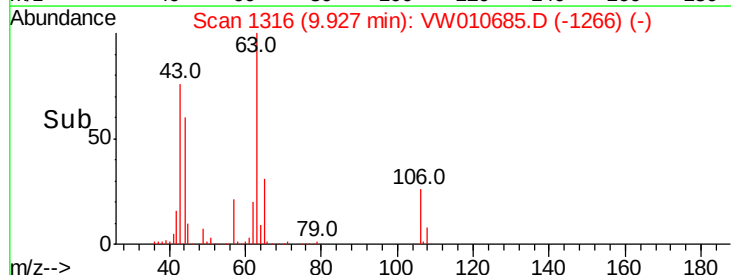
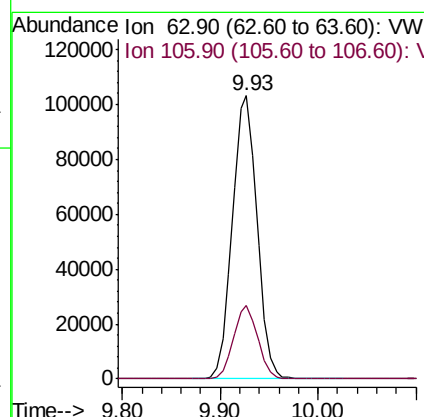
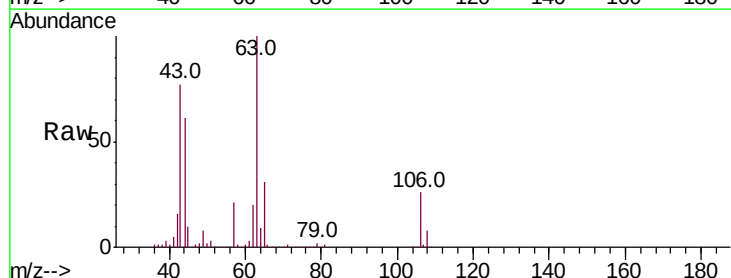
Manual Integrations
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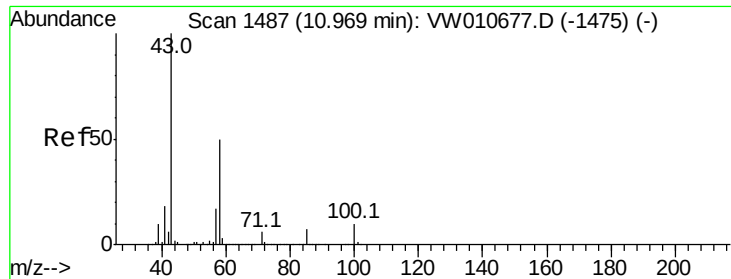
MMDadoda
 6/6/2019 11:51:44 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 103.855 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW010685.D
 Acq: 05 Jun 2019 11:58

Tgt Ion: 63 Resp: 180361
 Ion Ratio Lower Upper
 63 100
 106 25.5 20.1 30.1





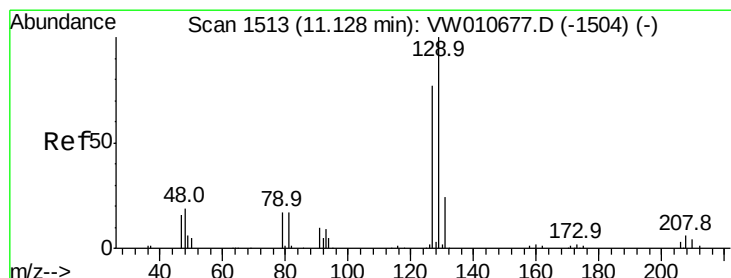
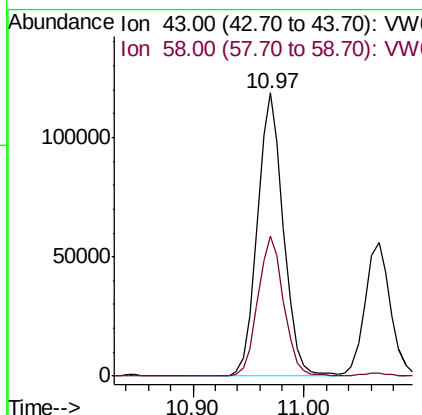
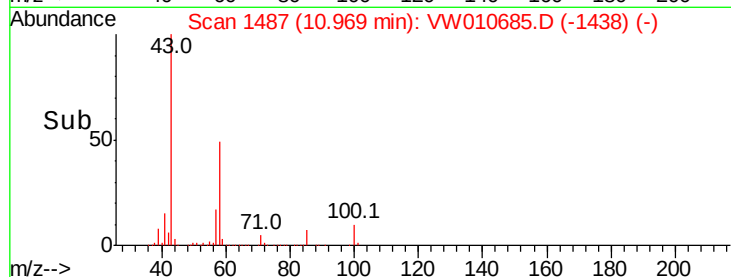
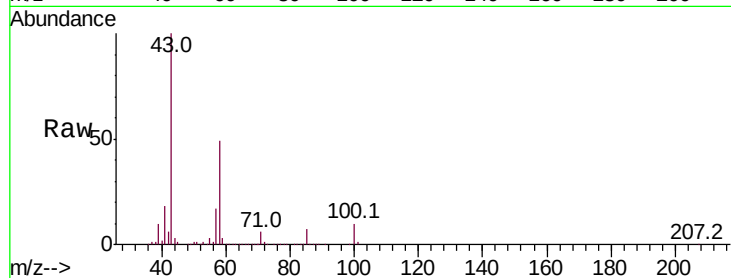
#59
2-Hexanone
Concen: 109.274 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW010685.D
Acq: 05 Jun 2019 11:58

Instrument :
MSVOA_W
ClientSampleId :
VW0605SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.4	24.9	74.6

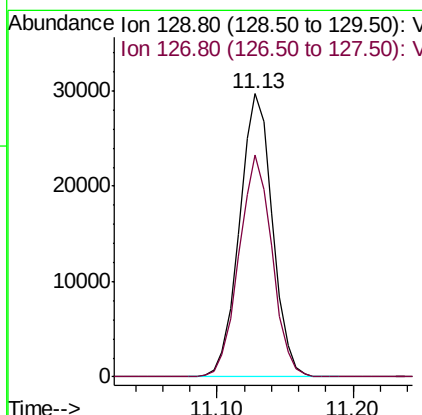
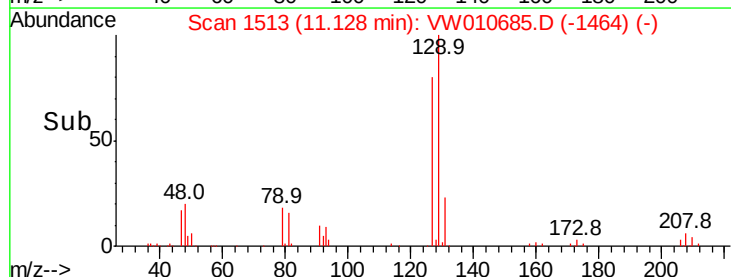
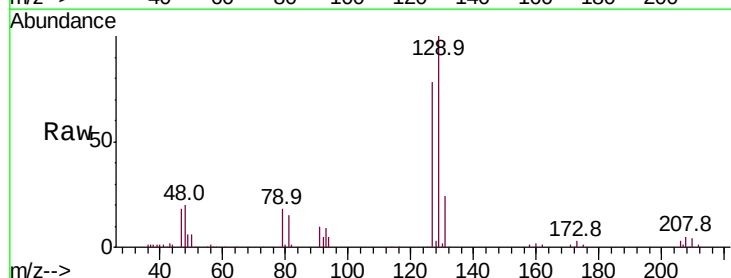
Manual Integrations
APPROVED

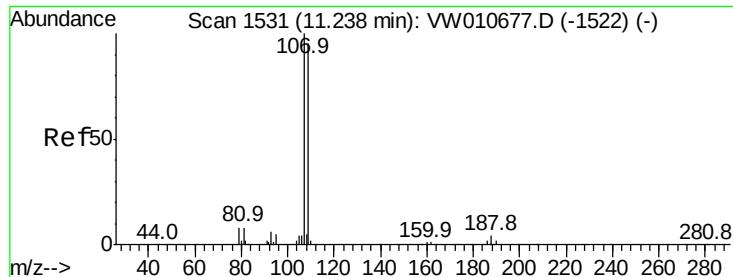
MMDadoda
6/6/2019 11:51:44 AM



#60
Dibromochloromethane
Concen: 21.024 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW010685.D
Acq: 05 Jun 2019 11:58

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.6	38.6	116.0





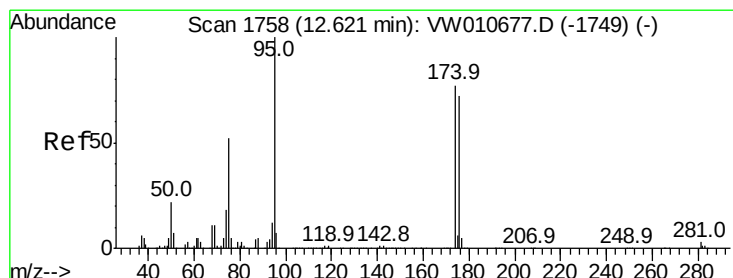
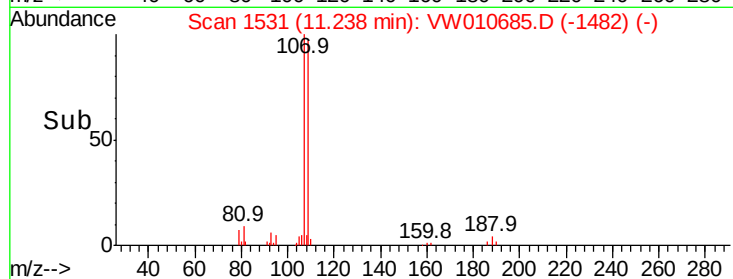
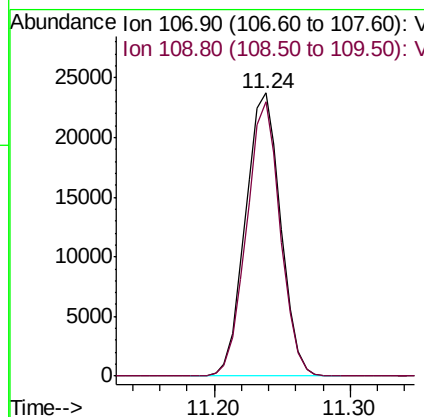
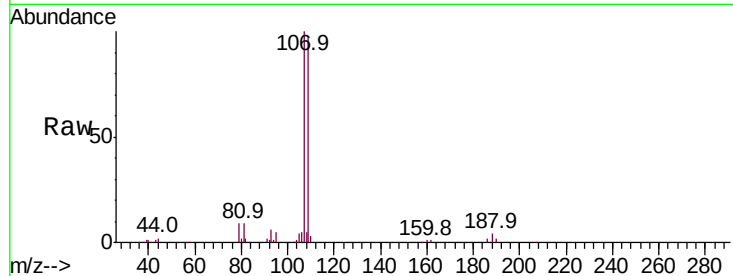
#61
 1,2-Dibromoethane
 Concen: 21.016 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW010685.D
 Acq: 05 Jun 2019 11:58

Instrument :
 MSVOA_W
 ClientSampled :
 VW0605SBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.3	75.8	113.8

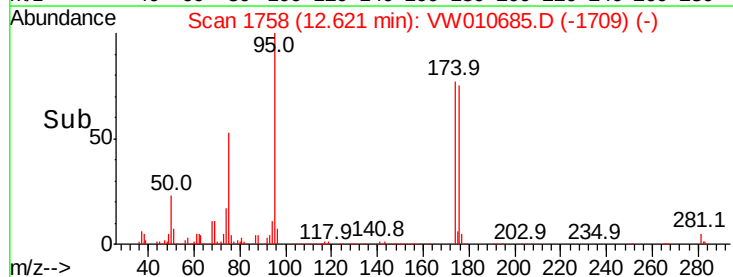
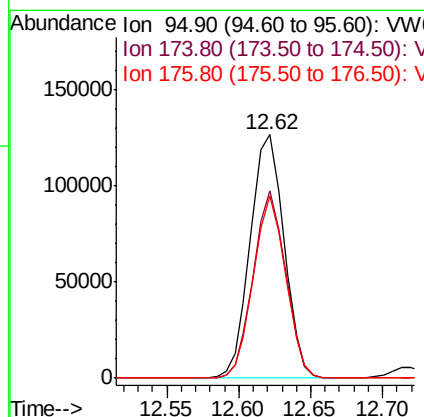
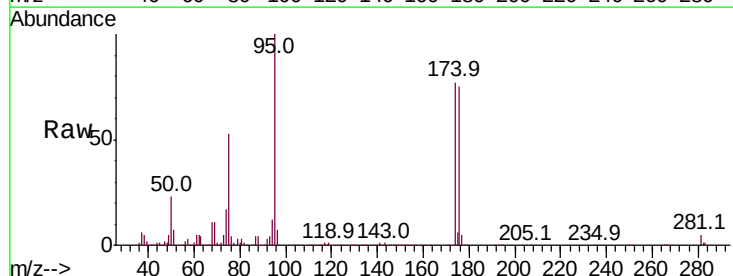
Manual Integrations
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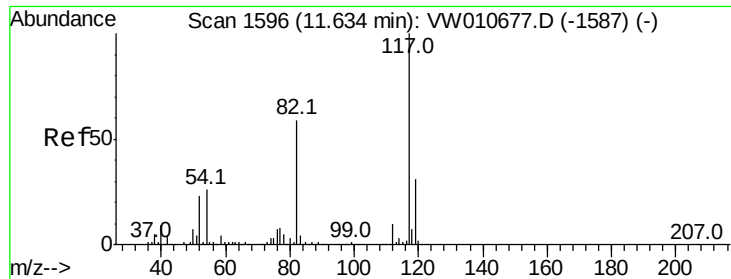
MMDadoda
 6/6/2019 11:51:44 AM



#62
 4-Bromofluorobenzene
 Concen: 54.479 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW010685.D
 Acq: 05 Jun 2019 11:58

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.9	0.0	150.4
176	71.9	0.0	144.8





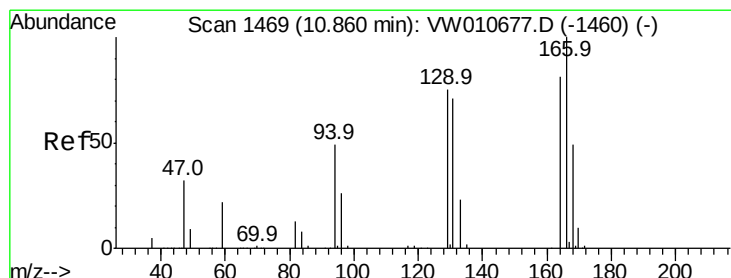
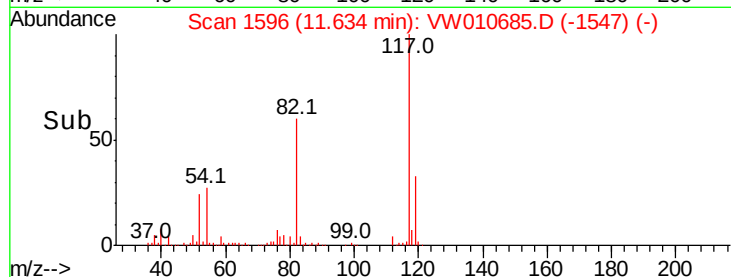
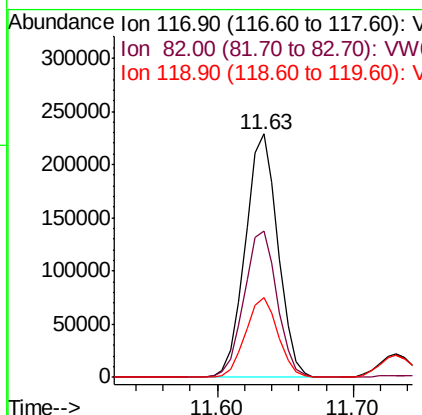
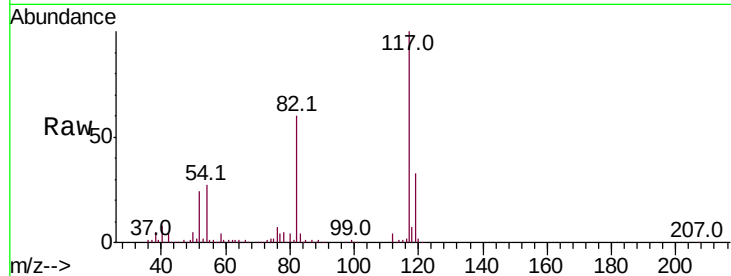
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010685.D
Acq: 05 Jun 2019 11:58

Instrument :
MSVOA_W
ClientSampleId :
VW0605SBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100			
82	60.1	47.0	70.4	
119	32.7	25.1	37.7	

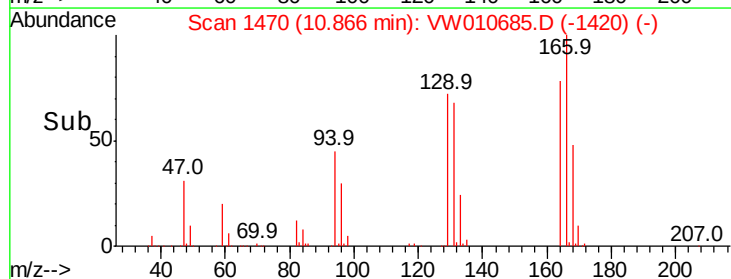
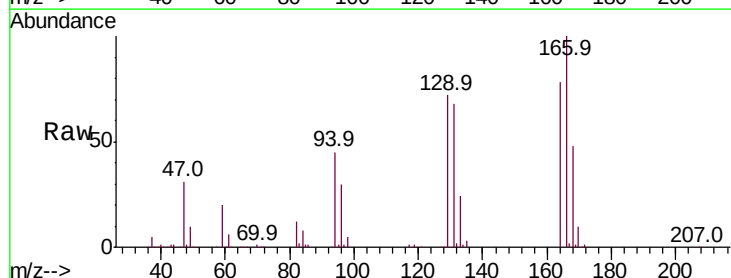
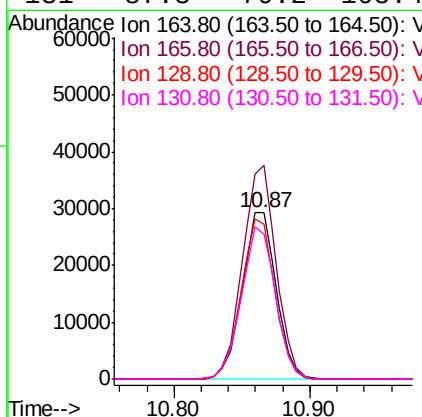
Manual Integrations
APPROVED

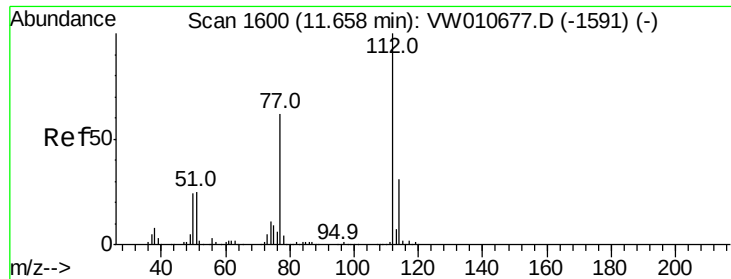
MMDadoda
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#64
Tetrachloroethene
Concen: 20.058 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW010685.D
Acq: 05 Jun 2019 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
166	128.6	99.2	148.8	
129	93.0	74.6	112.0	
131	87.3	70.2	105.4	





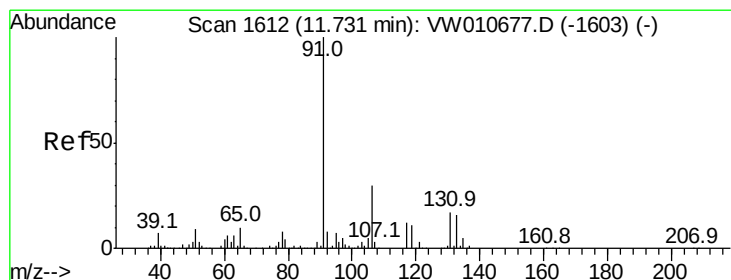
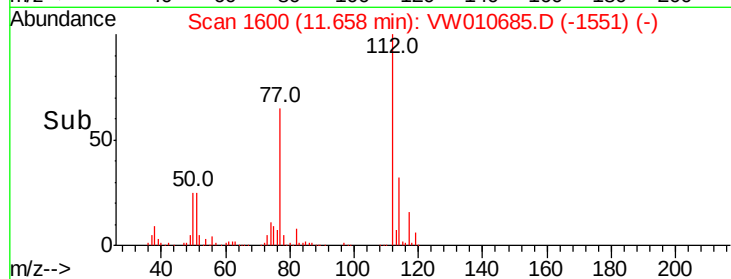
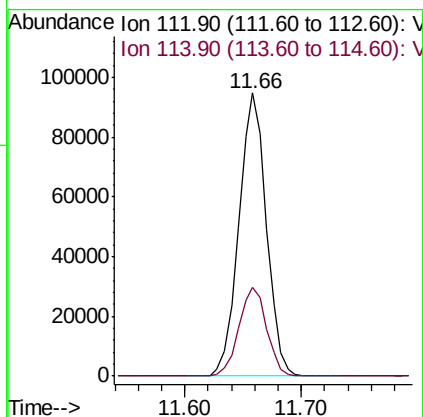
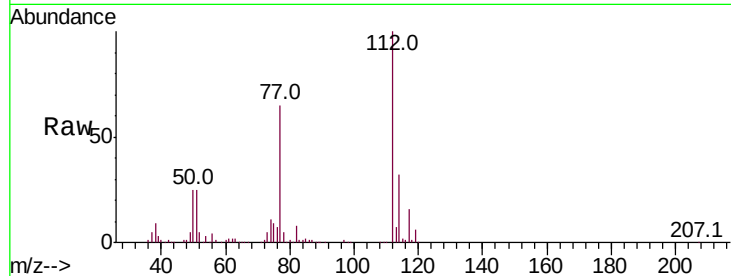
#65
Chlorobenzene
Concen: 20.608 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW010685.D
Acq: 05 Jun 2019 11:58

Instrument :
MSVOA_W
ClientSampled :
VW0605SBS02

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.6	24.8	37.2

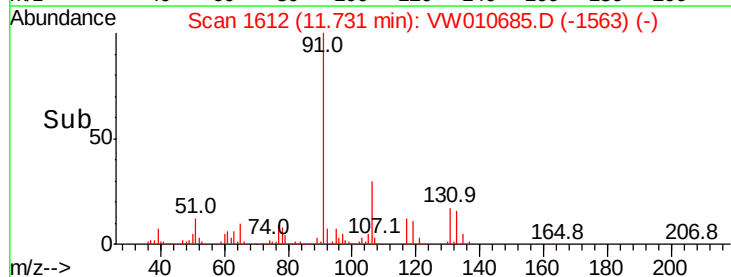
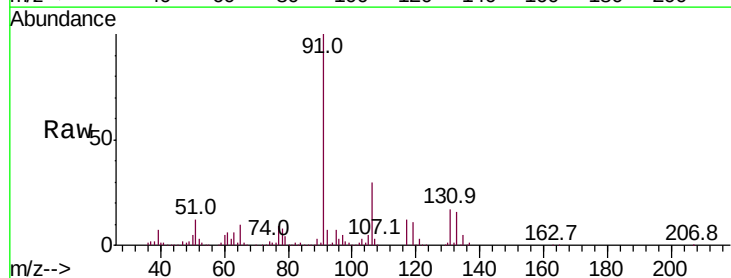
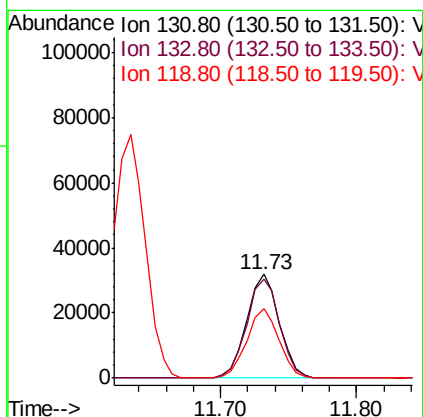
Manual Integrations
APPROVED

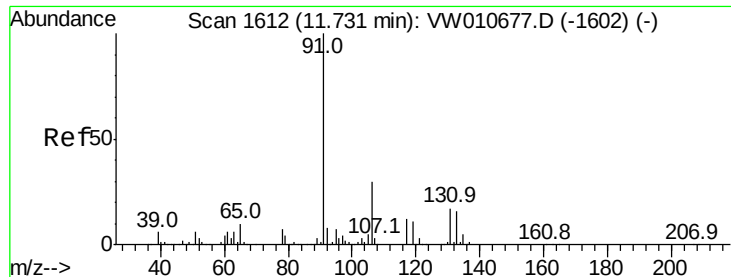
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.405 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010685.D
Acq: 05 Jun 2019 11:58

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.0	47.3	141.9
119	66.6	32.4	97.0





#67

Ethyl Benzene

Concen: 20.552 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW010685.D

Acq: 05 Jun 2019 11:58

Instrument :

MSVOA_W

ClientSampleId :

VW0605SBS02

Tot Ion: 91 Resp: 298130

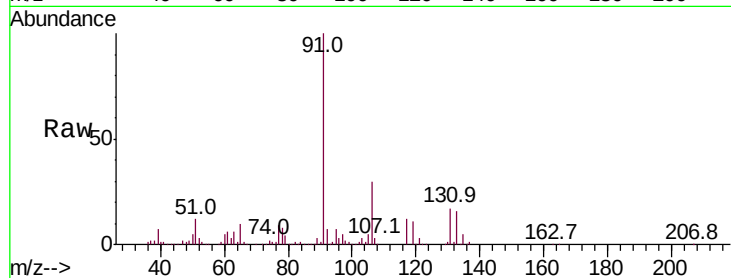
Ion Ratio Lower Upper

91 100

106 29.6 24.2 36.4

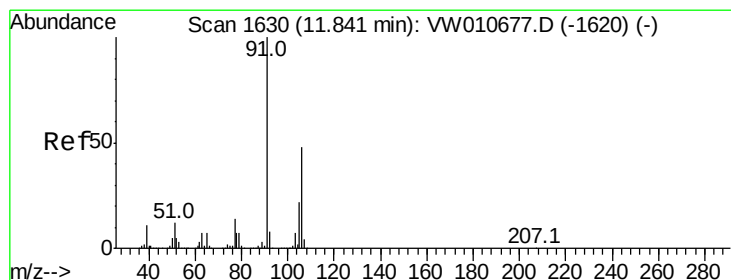
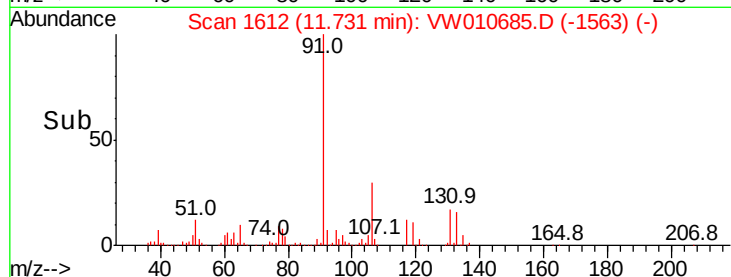
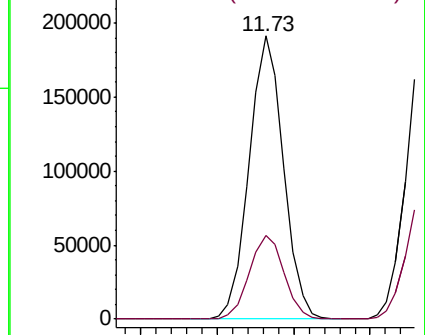
Manual Integrations
APPROVED

MMDadoda
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 41.470 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW010685.D

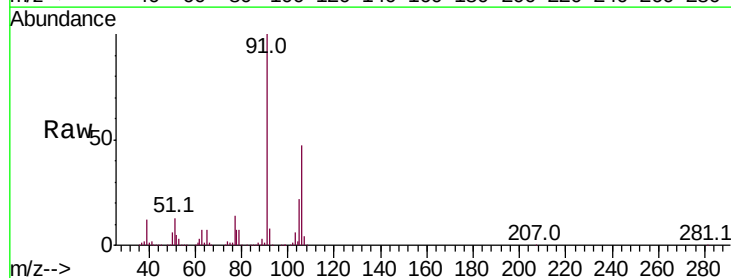
Acq: 05 Jun 2019 11:58

Tgt Ion: 106 Resp: 215342

Ion Ratio Lower Upper

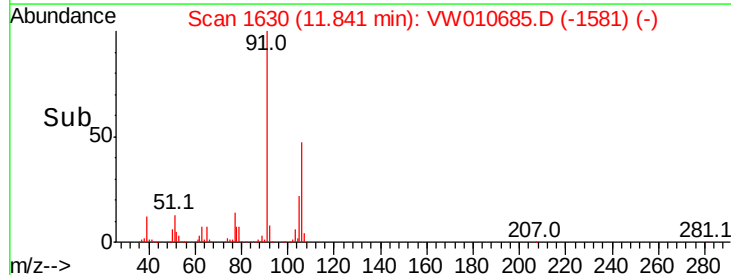
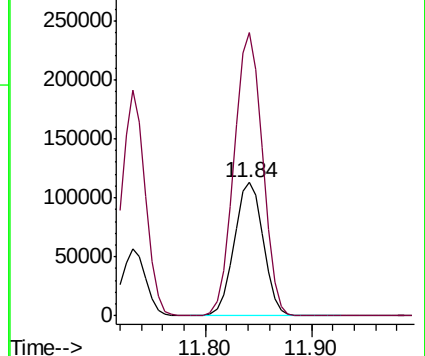
106 100

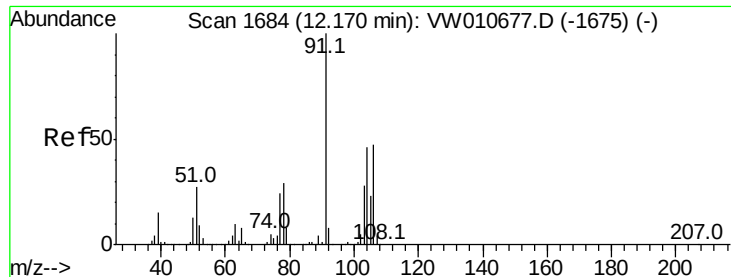
91 209.8 166.5 249.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





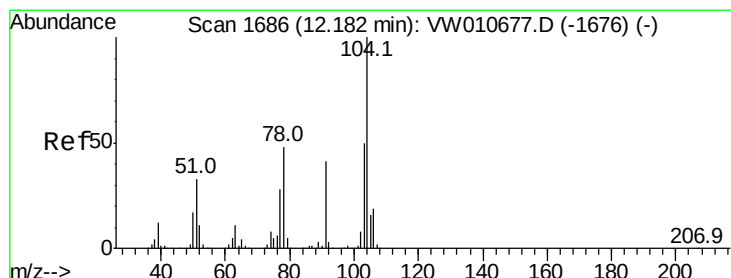
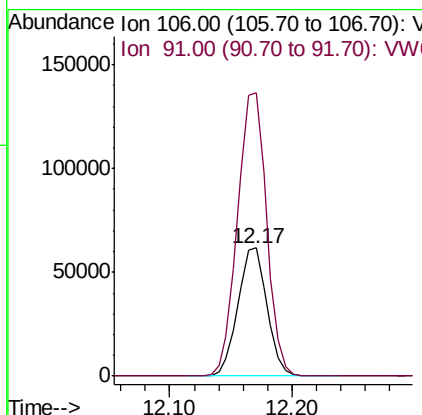
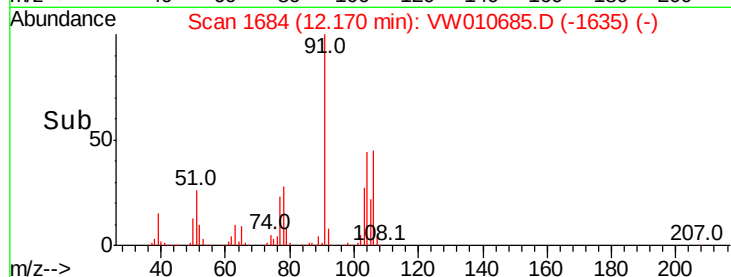
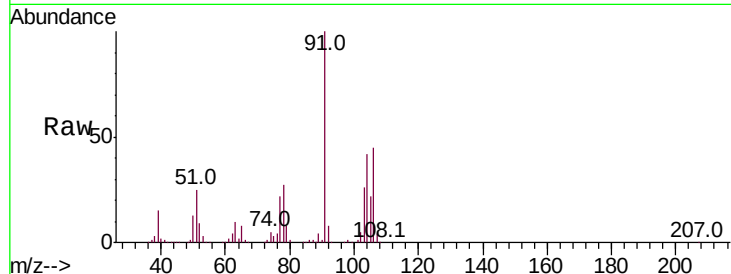
#69
o-Xylene
Concen: 20.641 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW010685.D
Acq: 05 Jun 2019 11:58

Instrument :
MSVOA_W
ClientSampled :
VW0605SBS02

Tot Ion	Ratio	Resp	Lower	Upper
106	100	101655		
91	221.8	108.9	326.6	

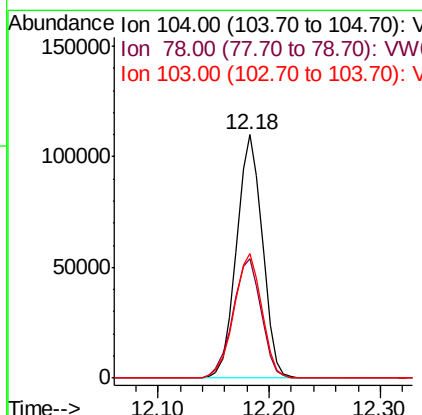
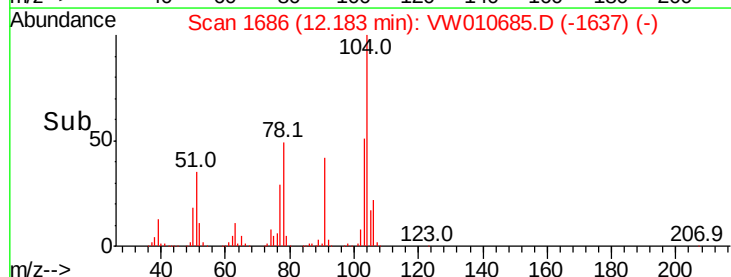
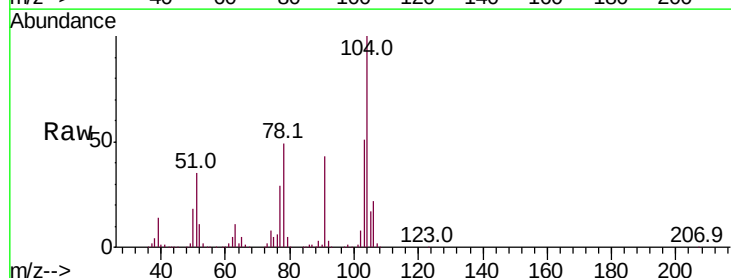
Manual Integrations
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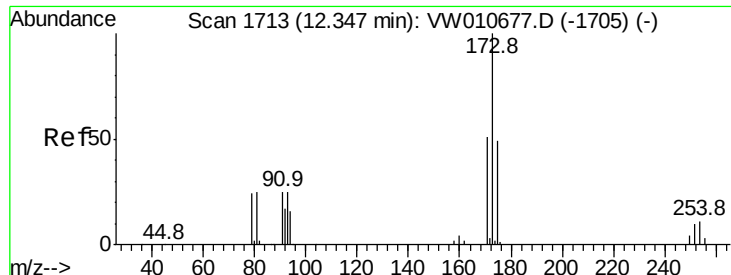
MMDadoda
6/6/2019 11:51:44 AM



#70
Styrene
Concen: 20.696 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010685.D
Acq: 05 Jun 2019 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	177061		
78	53.8	42.7	64.1	
103	54.8	43.6	65.4	





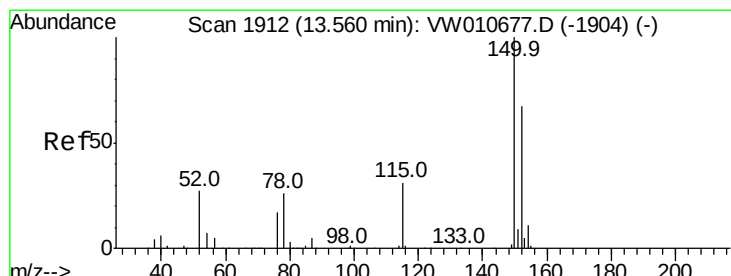
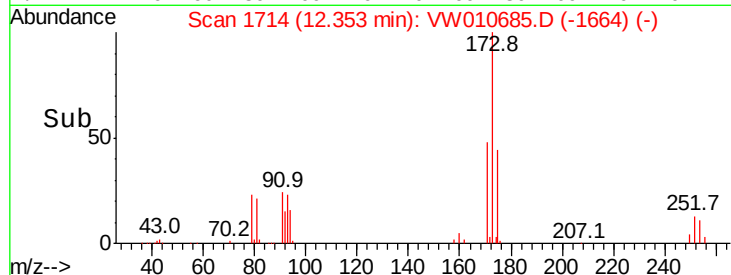
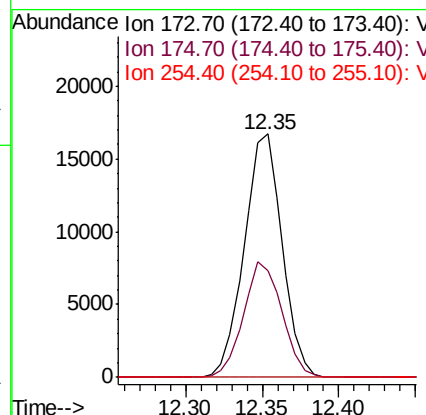
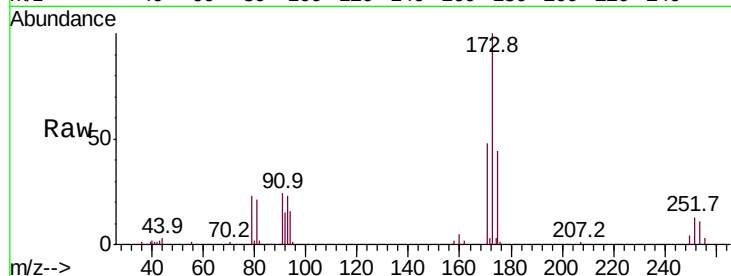
#71
Bromoform
Concen: 21.294 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.01 min
Lab File: VW010685.D
Acq: 05 Jun 2019 11:58

Instrument :
MSVOA_W
ClientSampleId :
VW0605SBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.3	72.8
254	0.0	0.1	0.1#

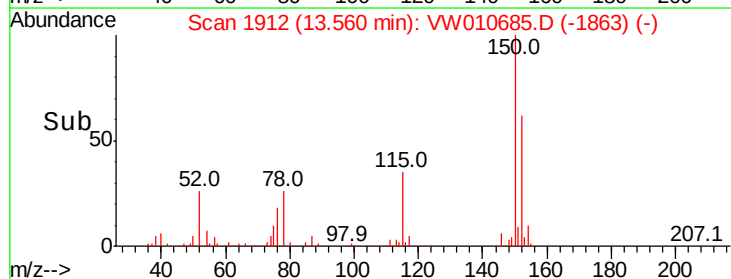
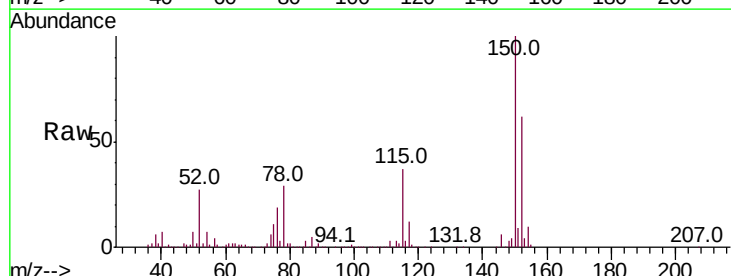
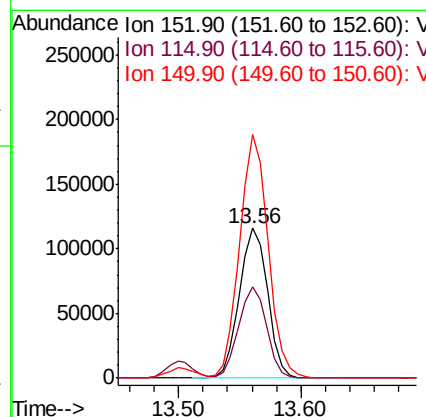
Manual Integrations
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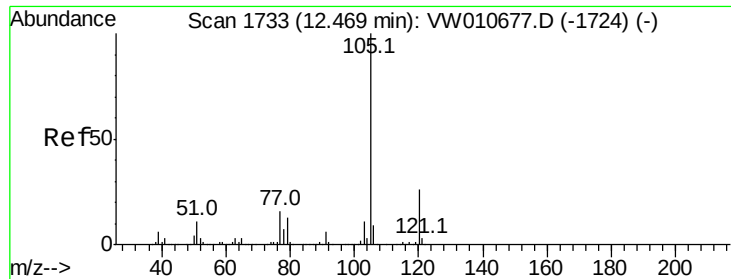
MMDadoda
6/6/2019 11:51:44 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW010685.D
Acq: 05 Jun 2019 11:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.2	29.8	89.3
150	164.9	0.0	345.0





#73

Isopropylbenzene

Concen: 20.598 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW010685.D

Acq: 05 Jun 2019 11:58

Instrument :

MSVOA_W

ClientSampleId :

VW0605SBS02

Tot Ion:105 Resp: 284988

Ion Ratio Lower Upper

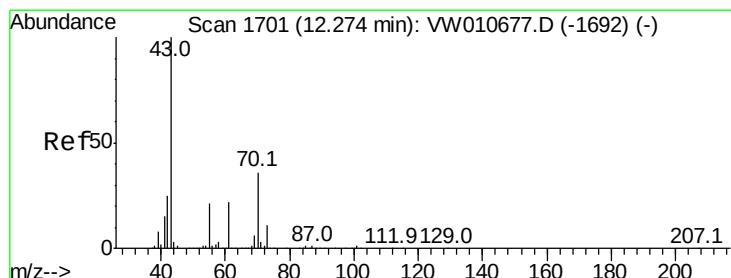
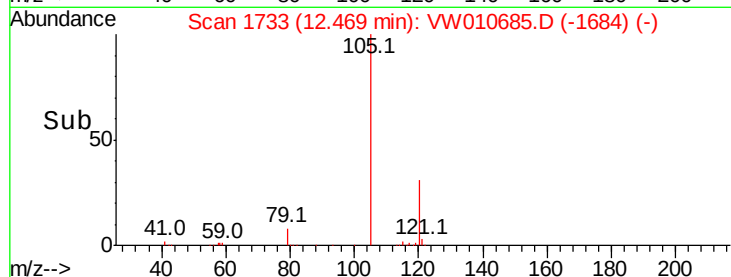
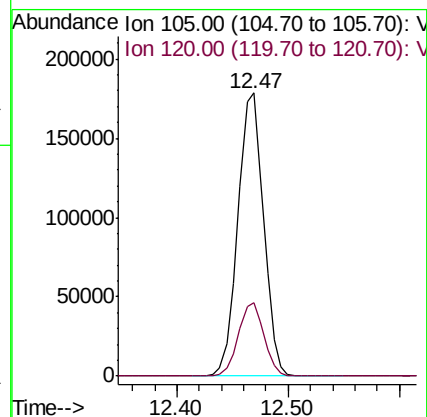
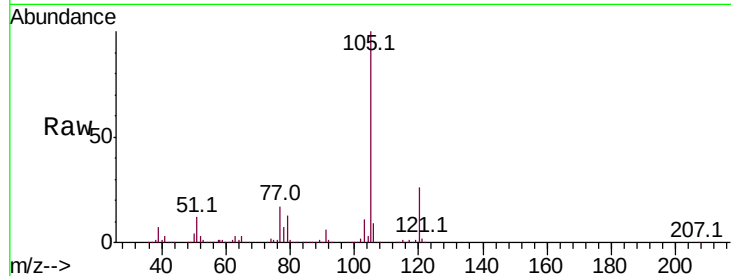
105 100

120 25.7 13.1 39.1

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#74

N-ethyl acetate

Concen: 21.604 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW010685.D

Acq: 05 Jun 2019 11:58

Tgt Ion: 43 Resp: 96602

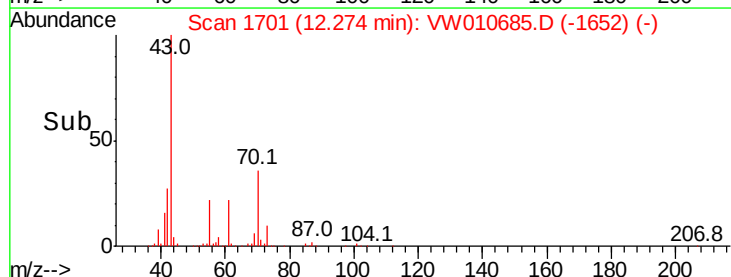
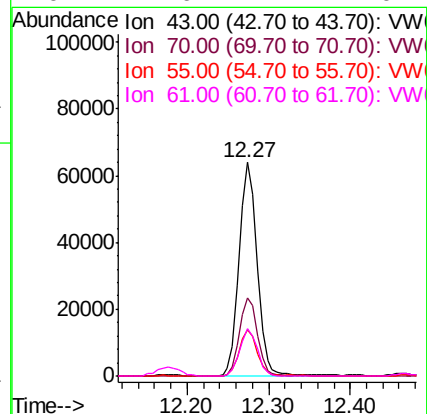
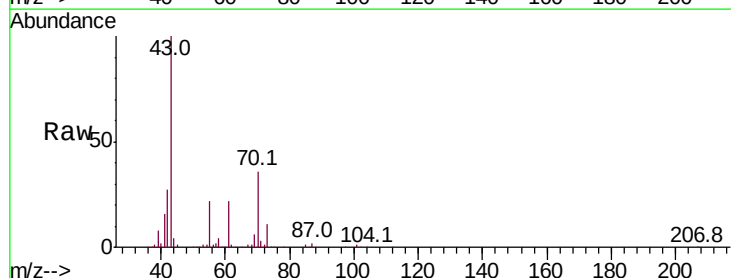
Ion Ratio Lower Upper

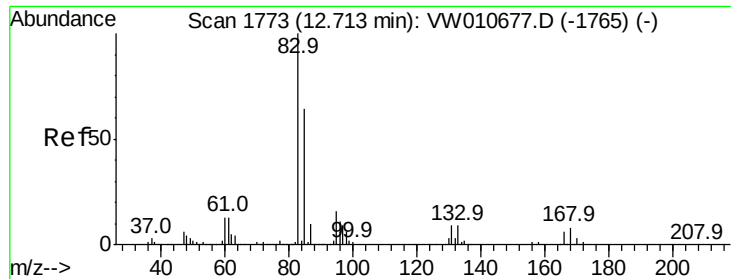
43 100

70 36.3 29.2 43.8

55 22.1 17.5 26.3

61 21.6 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 21.191 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW010685.D

Acq: 05 Jun 2019 11:58

Instrument :

MSVOA_W

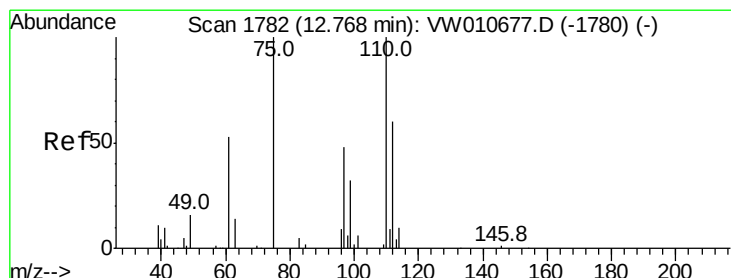
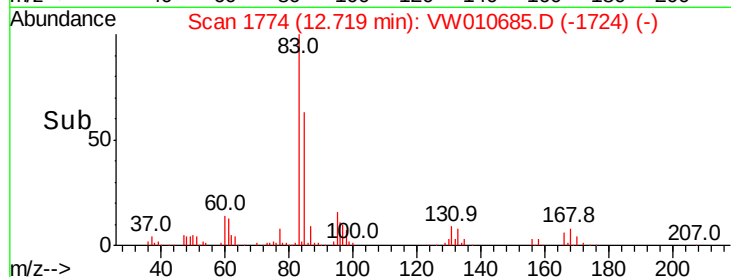
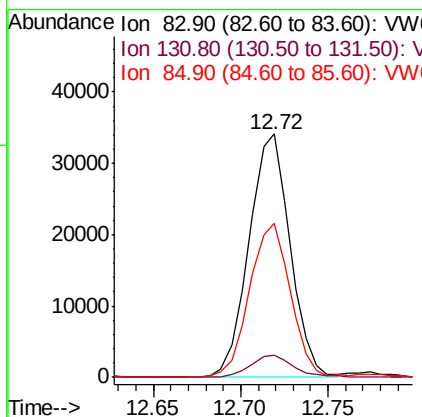
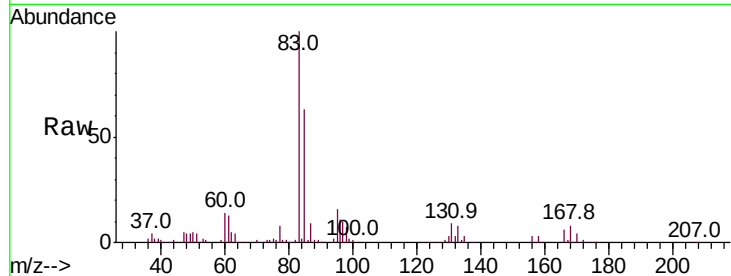
ClientSampleId :

VW0605SBS02

Tot Ion:	83	Resp:	55815
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.9	14.7
85	63.1	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.251 ug/l m

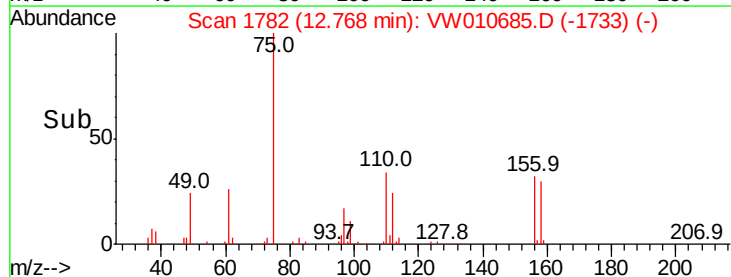
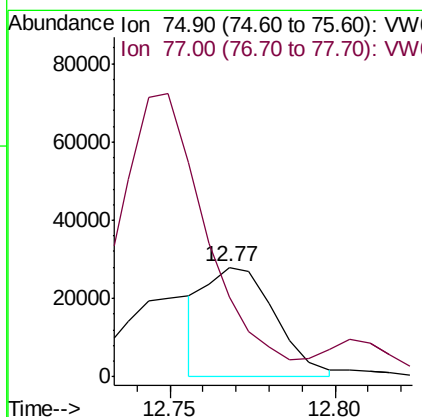
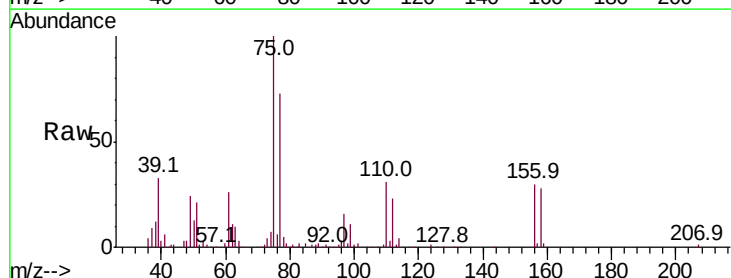
RT: 12.77 min Scan# 1782

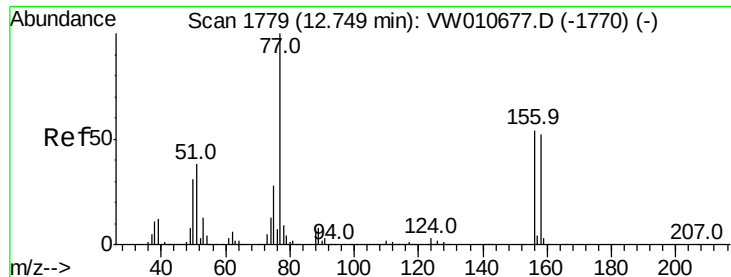
Delta R.T. 0.00 min

Lab File: VW010685.D

Acq: 05 Jun 2019 11:58

Tgt Ion:	75	Resp:	41087
Ion Ratio	Lower	Upper	
75	100		
77	326.0	0.0	0.0#





#77

Bromobenzene

Concen: 20.454 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW010685.D

Acq: 05 Jun 2019 11:58

Instrument :

MSVOA_W

ClientSampleId :

VW0605SBS02

Tot Ion:156 Resp: 61773

Ion Ratio Lower Upper

156 100

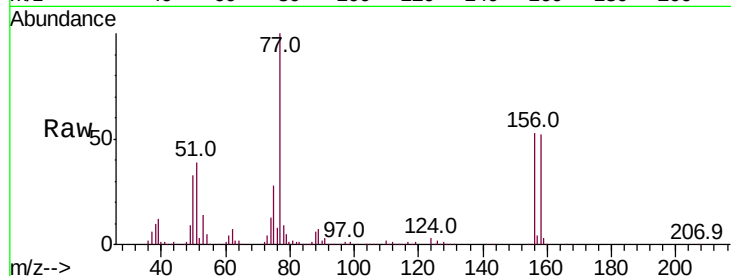
77 216.8 106.5 319.4

158 98.5 48.3 144.9

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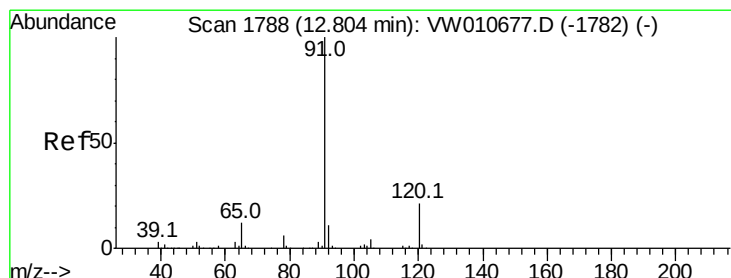
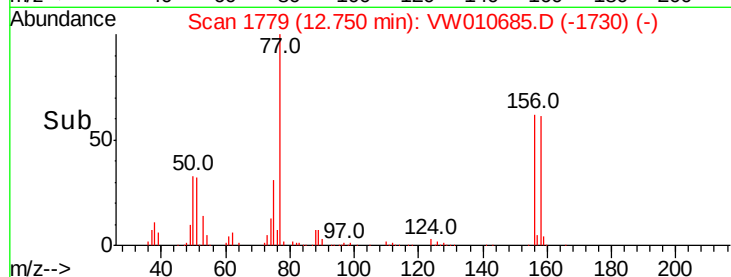
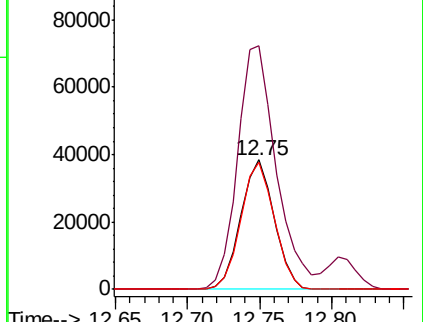
6/6/2019 11:51:44 AM



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: 20.405 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW010685.D

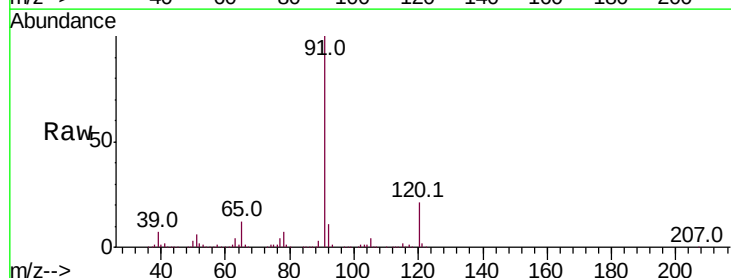
Acq: 05 Jun 2019 11:58

Tgt Ion: 91 Resp: 340418

Ion Ratio Lower Upper

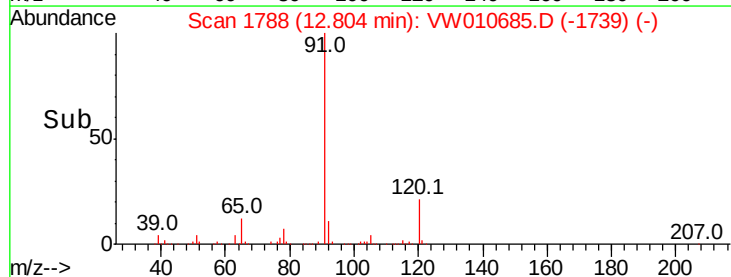
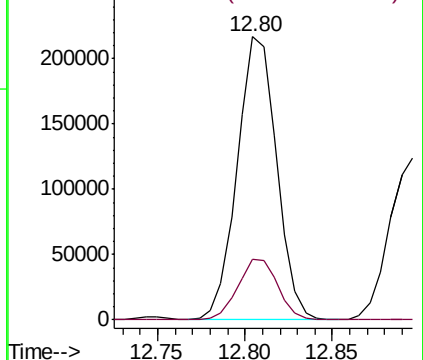
91 100

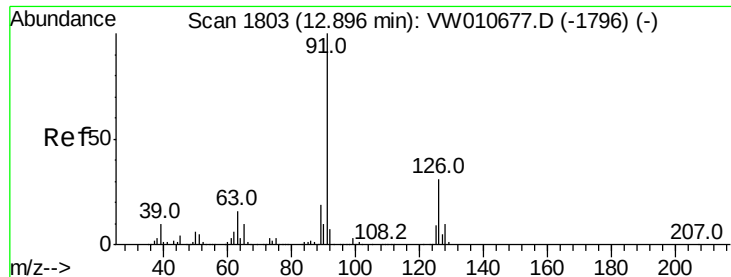
120 21.7 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.593 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW010685.D

Acq: 05 Jun 2019 11:58

Instrument :

MSVOA_W

ClientSampleId :

VW0605SBS02

Tot Ion: 91 Resp: 196277

Ion Ratio Lower Upper

91 100

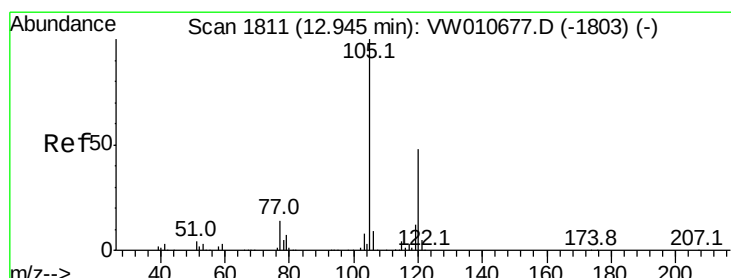
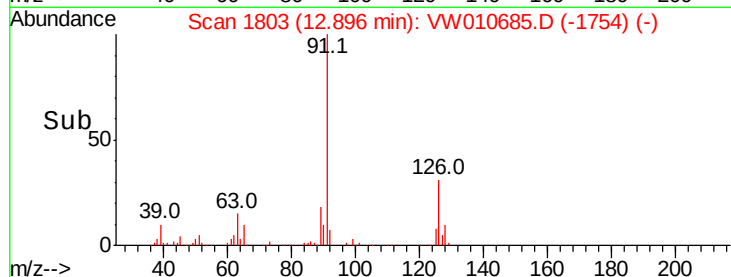
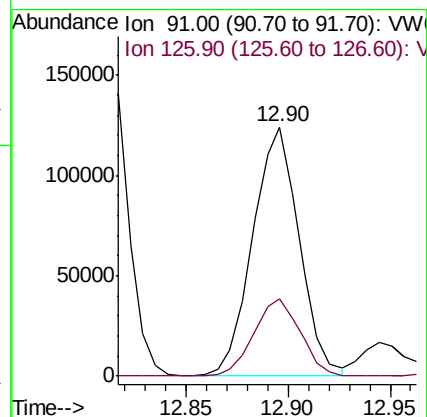
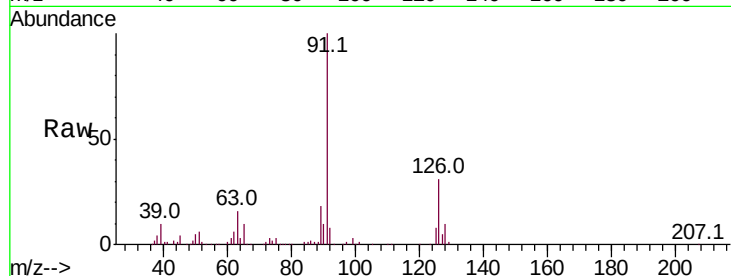
126 31.2 15.7 47.0

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.405 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW010685.D

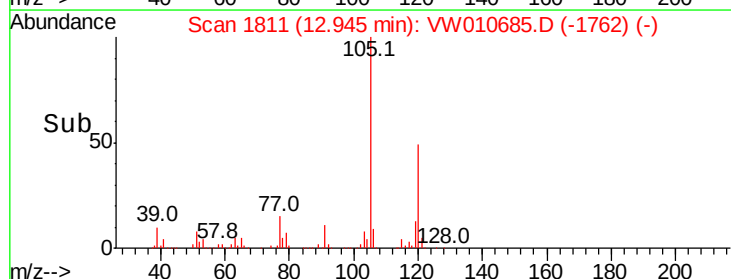
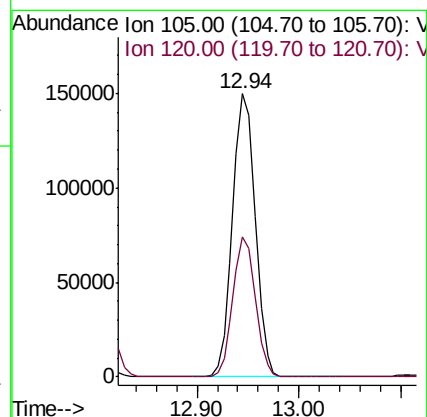
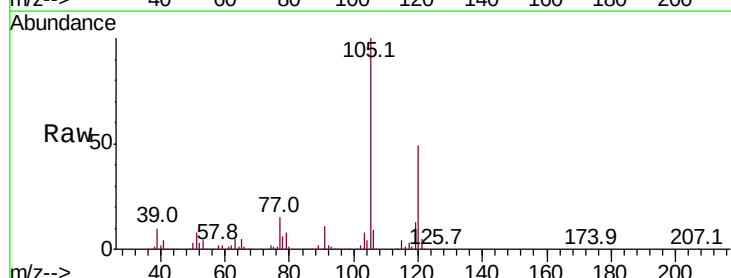
Acq: 05 Jun 2019 11:58

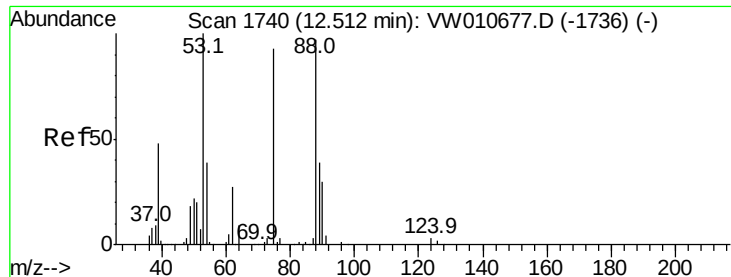
Tgt Ion: 105 Resp: 231078

Ion Ratio Lower Upper

105 100

120 49.0 24.3 72.8





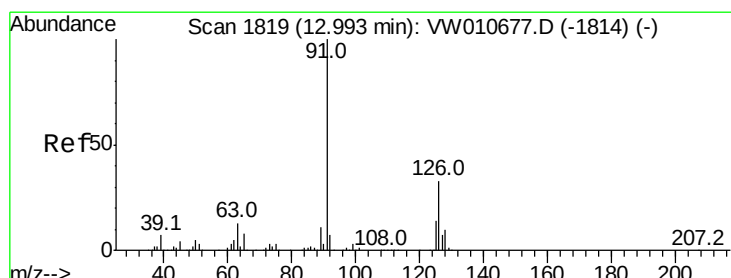
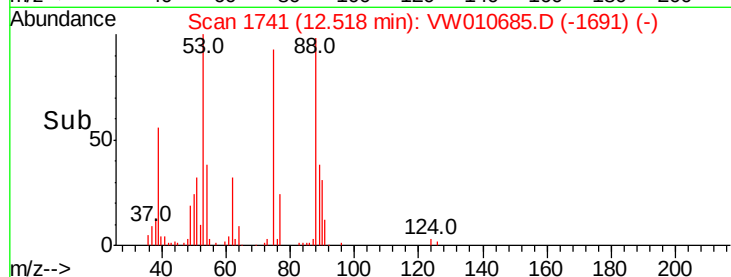
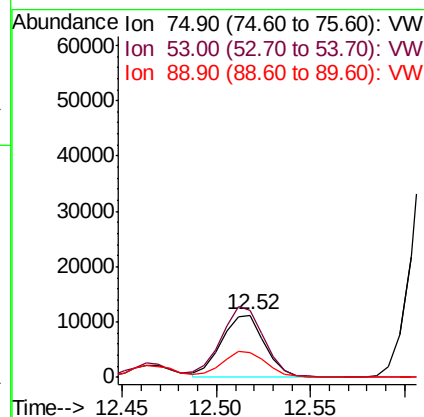
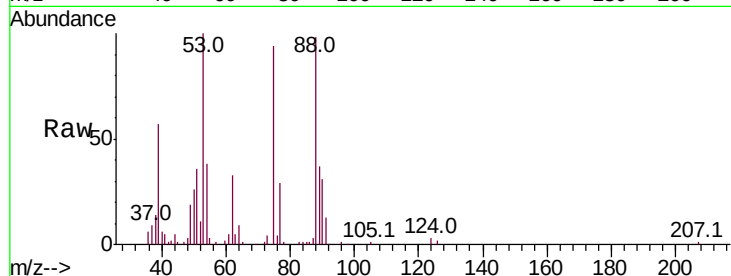
#81
trans-1,4-Dichloro-2-butene
Concen: 21.423 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.01 min
Lab File: VW010685.D
Acq: 05 Jun 2019 11:58

Instrument :
MSVOA_W
ClientSampleId :
VW0605SBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	111.8	90.1	135.1
89	42.2	34.6	52.0

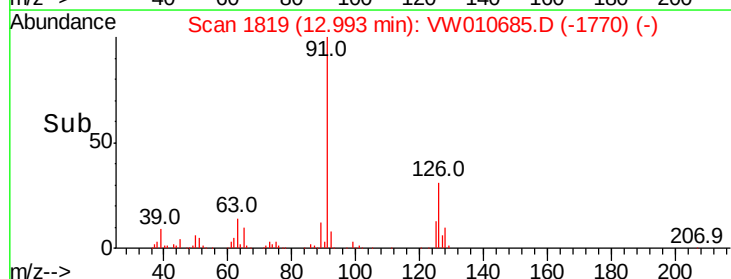
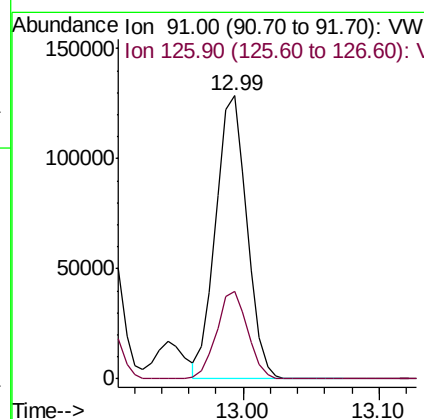
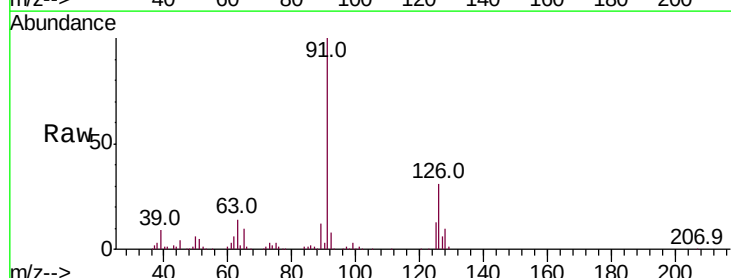
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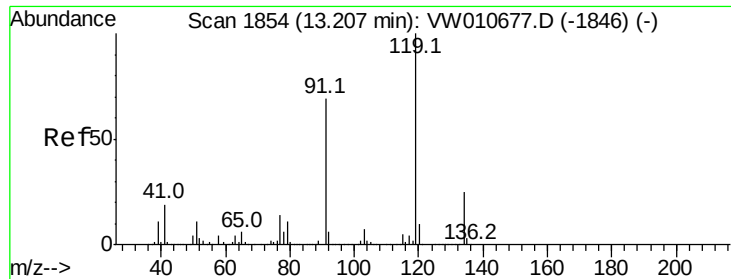
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#82
4-Chlorotoluene
Concen: 20.754 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW010685.D
Acq: 05 Jun 2019 11:58

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.9	47.7





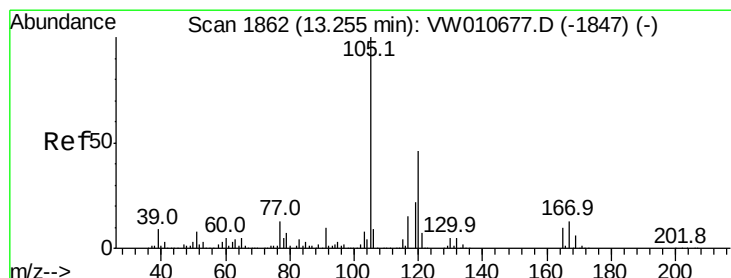
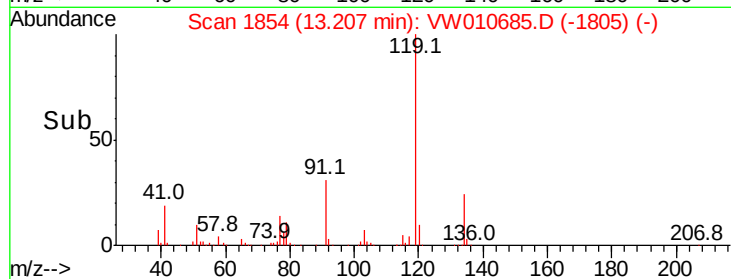
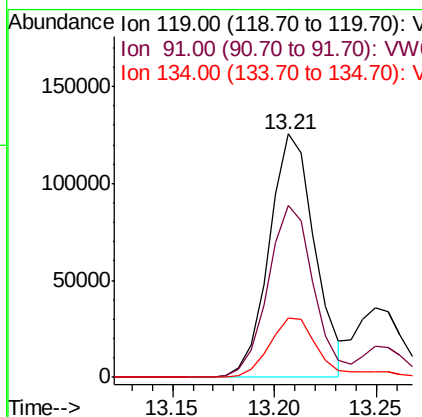
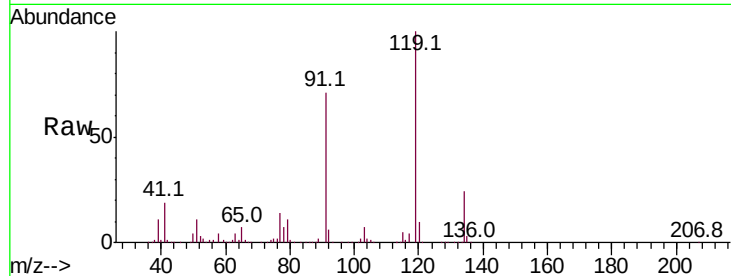
#83
tert-Butylbenzene
Concen: 20.361 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW010685.D
Acq: 05 Jun 2019 11:58

Instrument :
MSVOA_W
ClientSampleId :
VW0605SBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	195691		
91	71.2	35.1	105.3	
134	27.2	13.6	40.7	

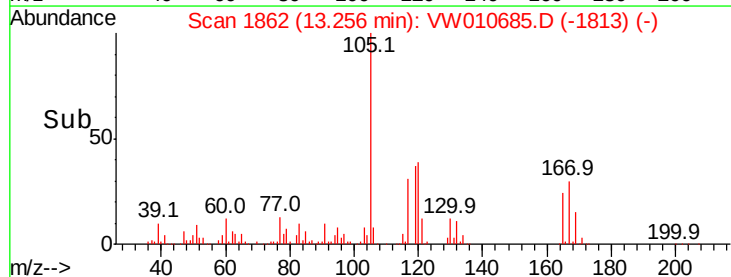
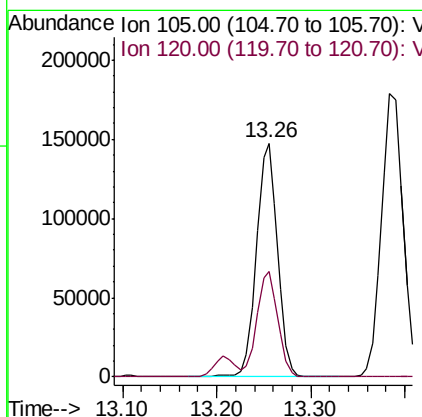
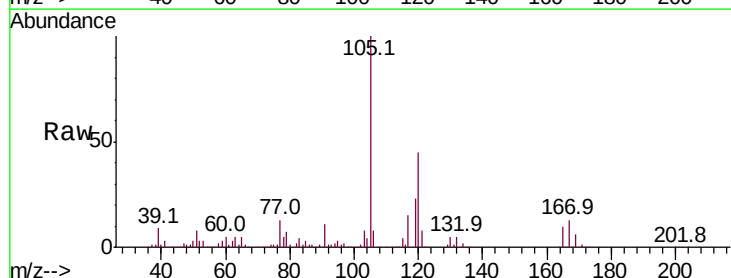
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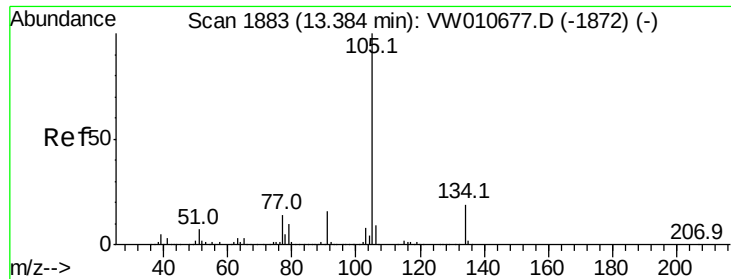
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#84
1,2,4-Trimethylbenzene
Concen: 20.415 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW010685.D
Acq: 05 Jun 2019 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	232646		
120	44.8	22.5	67.5	





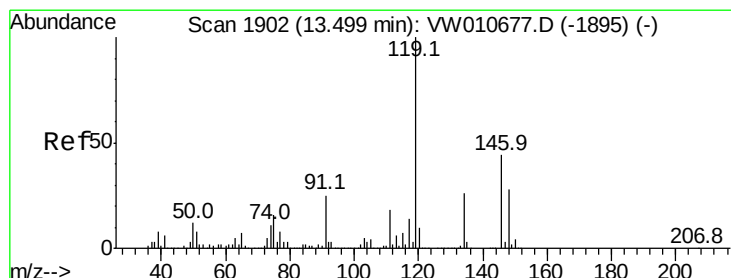
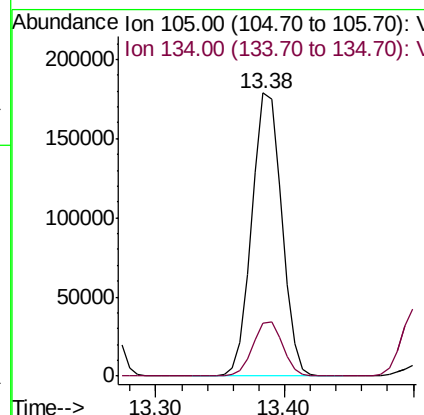
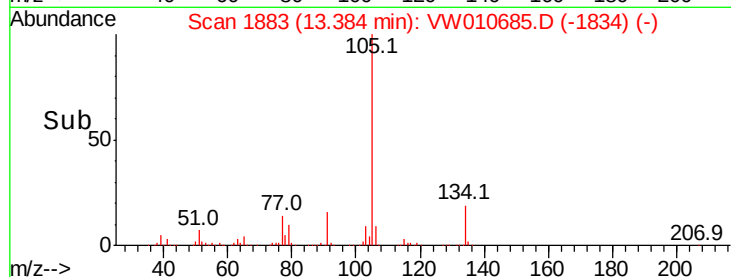
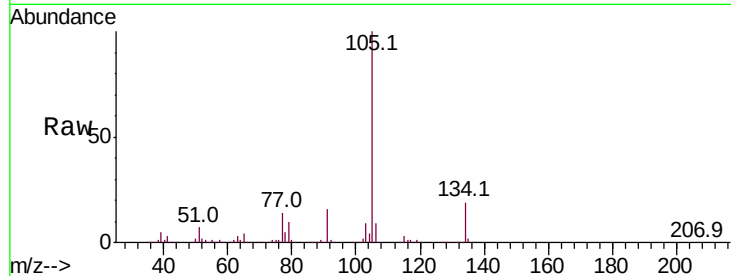
#85
 sec-Butylbenzene
 Concen: 20.351 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW010685.D
 Acq: 05 Jun 2019 11:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0605SBS02

Tot Ion	Ratio	Resp	Lower	Upper
105	100	284775		
134	19.1	9.7	28.9	

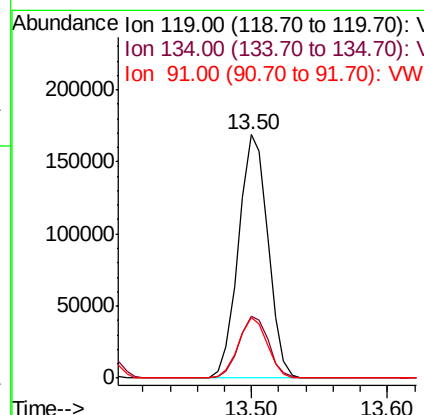
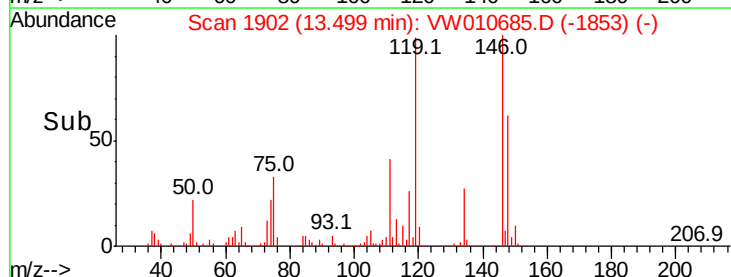
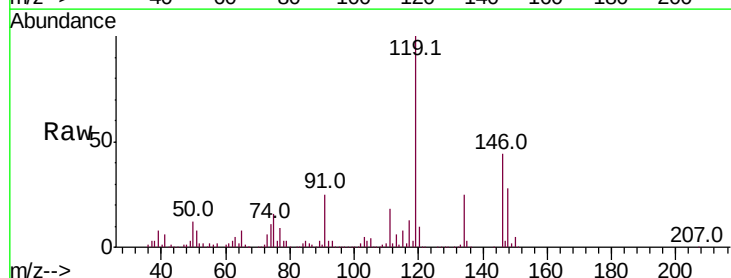
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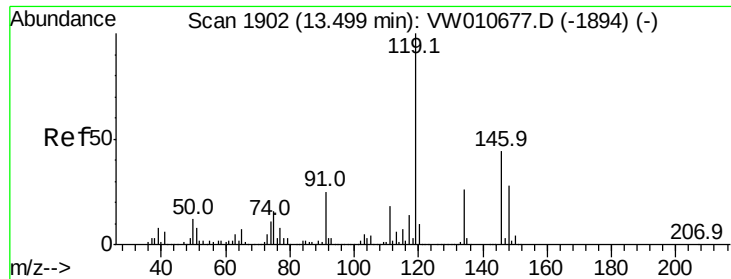
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 6/6/2019 11:51:44 AM



#86
 p-Isopropyltoluene
 Concen: 20.318 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010685.D
 Acq: 05 Jun 2019 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	254246		
134	25.6	13.0	39.0	
91	24.7	12.2	36.4	





#87

1,3-Dichlorobenzene

Concen: 20.832 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010685.D

Acq: 05 Jun 2019 11:58

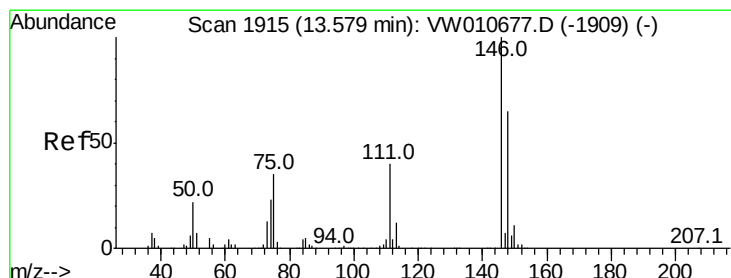
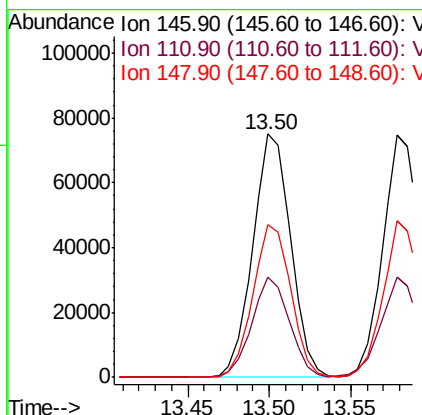
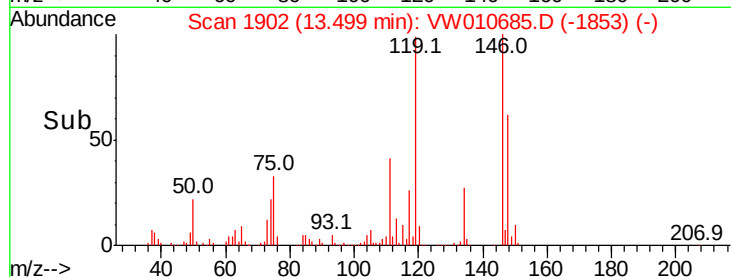
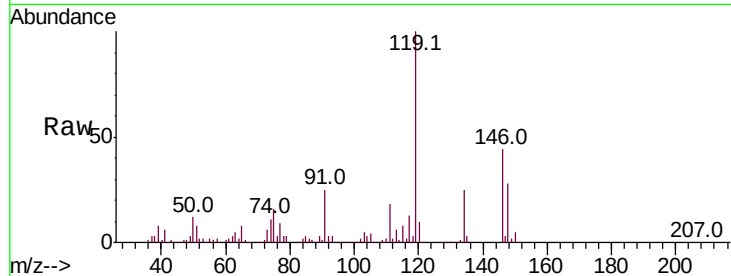
Instrument :
MSVOA_W

ClientSampleId :
VW0605SBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	121328		
111	40.8	20.4	61.3	
148	62.8	31.5	94.5	

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#88

1,4-Dichlorobenzene

Concen: 20.614 ug/l

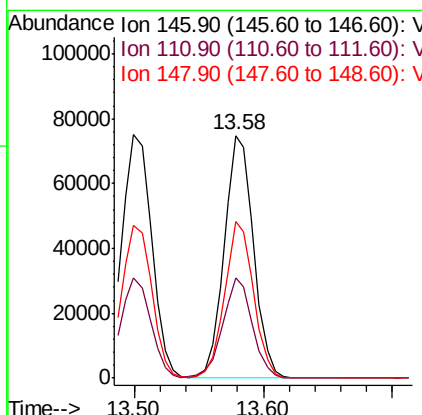
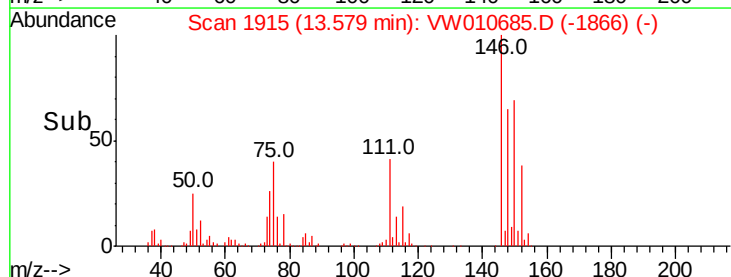
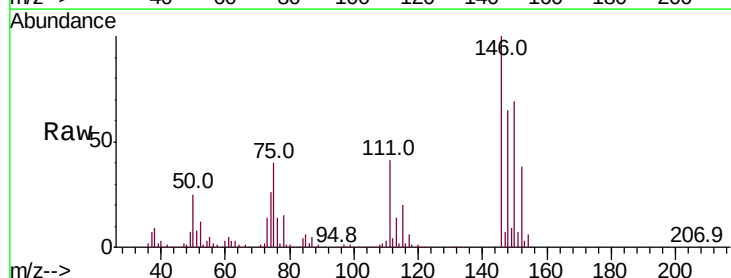
RT: 13.58 min Scan# 1915

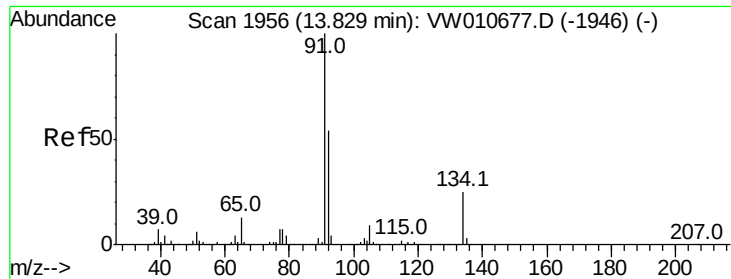
Delta R.T. 0.00 min

Lab File: VW010685.D

Acq: 05 Jun 2019 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	119026		
111	41.9	20.3	60.9	
148	63.9	32.4	97.2	





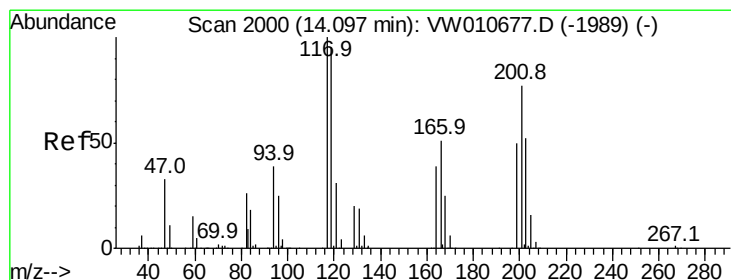
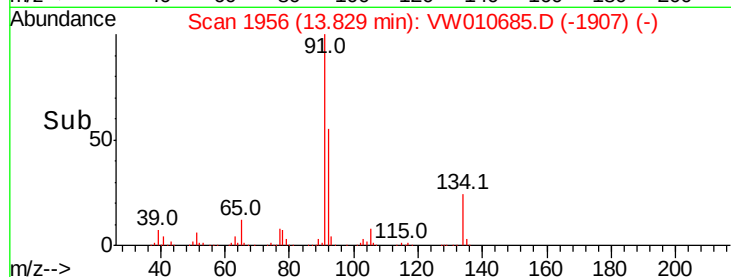
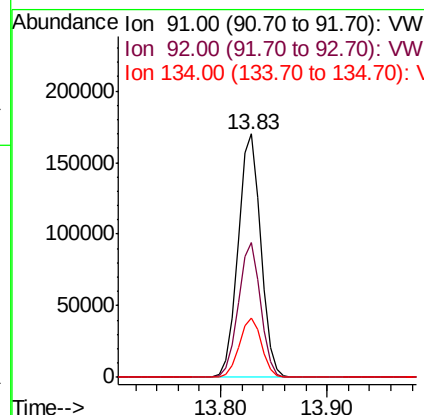
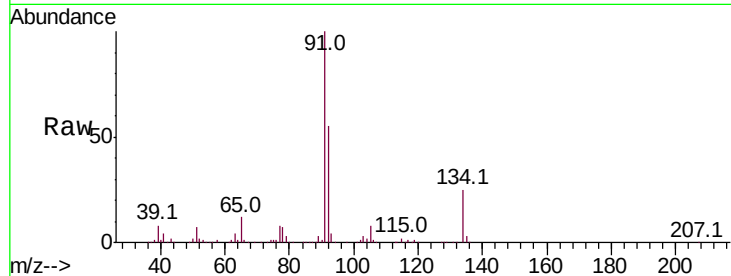
#89
n-Butylbenzene
Concen: 20.327 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW010685.D
Acq: 05 Jun 2019 11:58

Instrument :
MSVOA_W
ClientSampleId :
VW0605SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.3	27.3	81.8
134	24.2	12.3	36.9

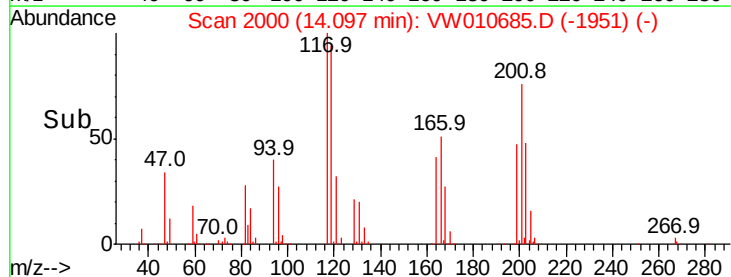
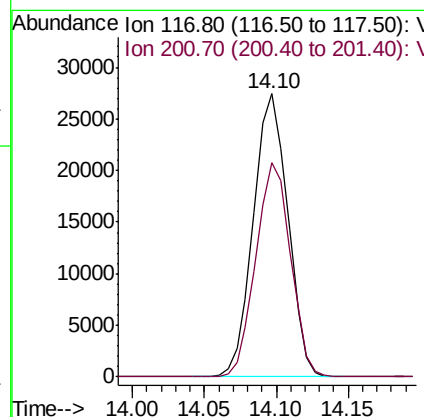
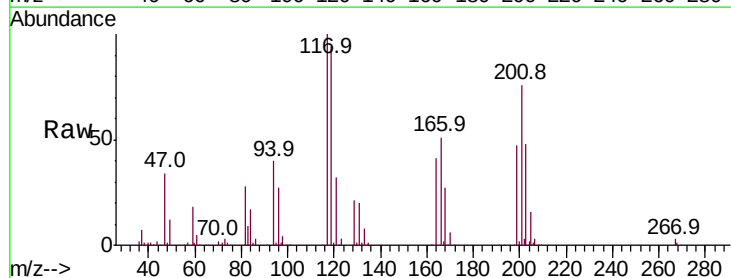
Manual Integrations
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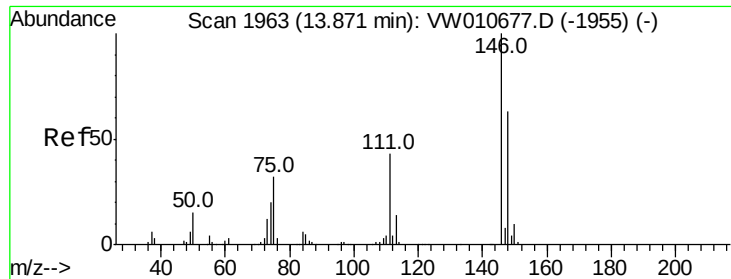
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#90
Hexachloroethane
Concen: 20.325 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW010685.D
Acq: 05 Jun 2019 11:58

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.3	38.8	116.4





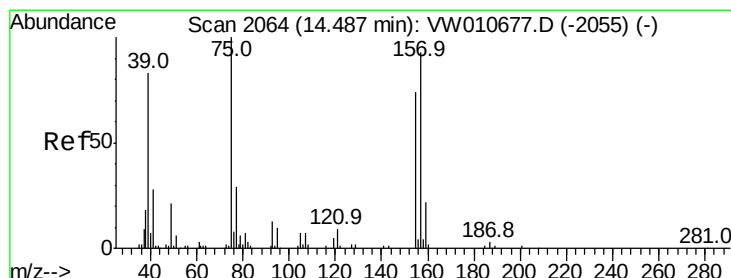
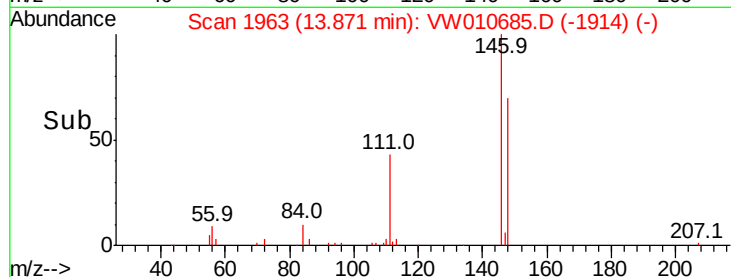
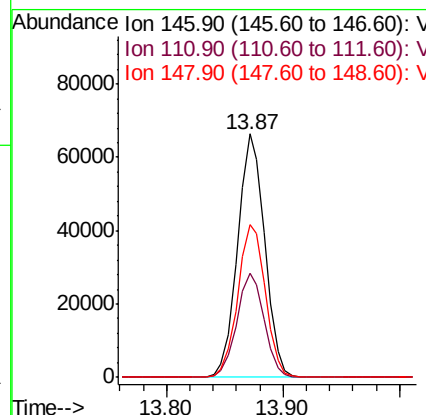
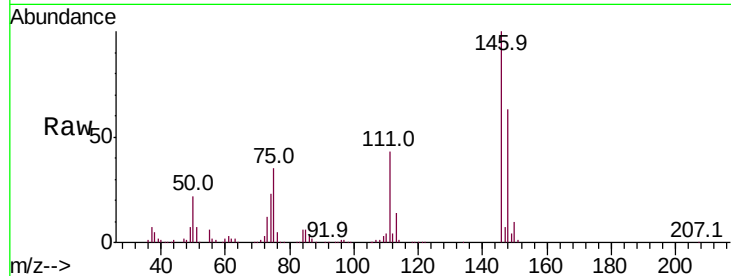
#91
1,2-Dichlorobenzene
Concen: 20.549 ug/l
RT: 13.87 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VW010685.D
Acq: 05 Jun 2019 11:58

Instrument :
MSVOA_W
ClientSampleId :
VW0605SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.5	64.5
148	63.8	31.9	95.5

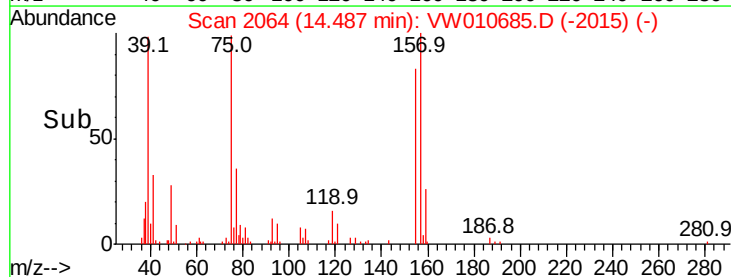
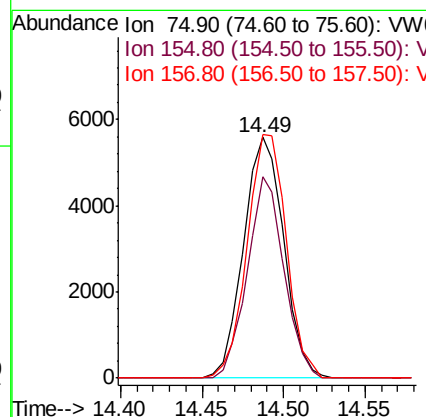
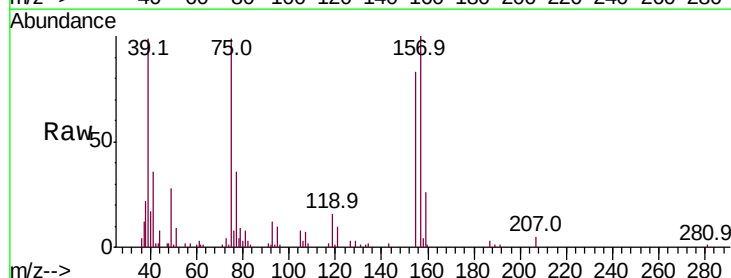
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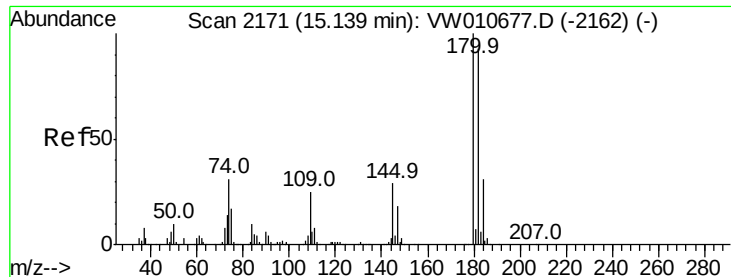
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#92
1,2-Dibromo-3-Chloropropane
Concen: 21.172 ug/l
RT: 14.49 min Scan# 2064
Delta R.T. 0.00 min
Lab File: VW010685.D
Acq: 05 Jun 2019 11:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.4	38.8	116.4
157	98.7	48.4	145.0





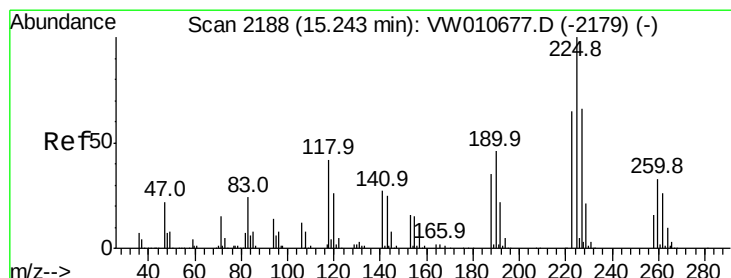
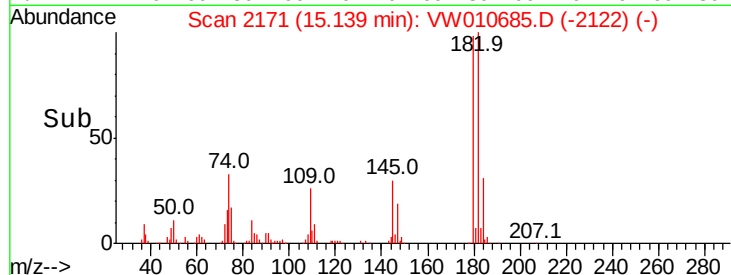
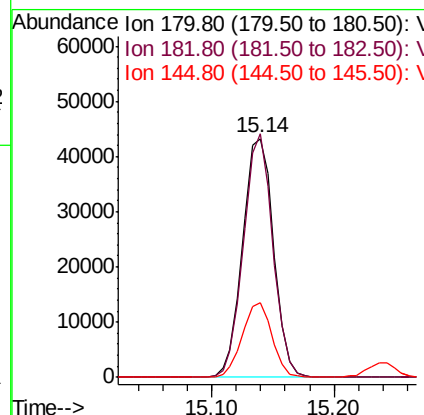
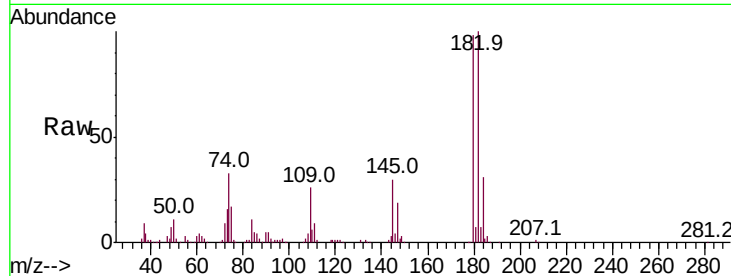
#93
 1,2,4-Trichlorobenzene
 Concen: 20.635 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010685.D
 Acq: 05 Jun 2019 11:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0605SBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.3	47.1	141.4	
145	29.9	15.2	45.5	

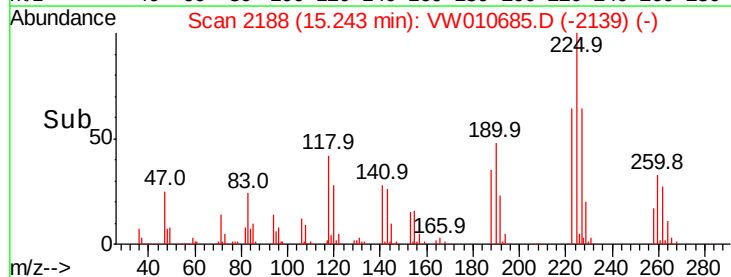
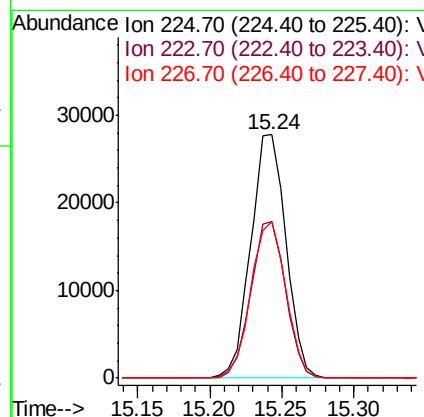
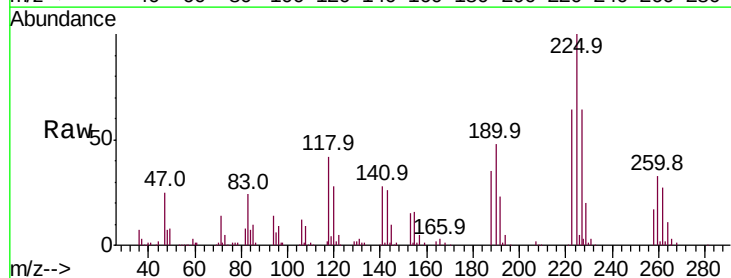
Manual Integrations
 APPROVED

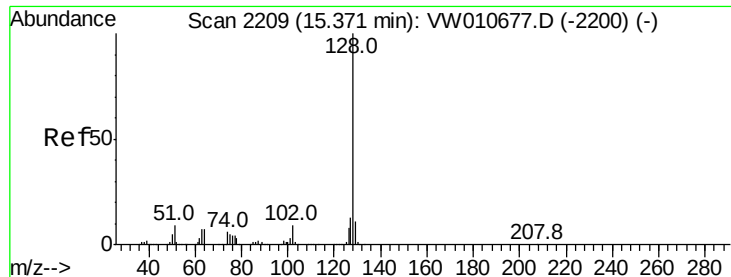
MMDadoda
 6/6/2019 11:51:44 AM



#94
 Hexachlorobutadiene
 Concen: 20.290 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW010685.D
 Acq: 05 Jun 2019 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.9	32.2	96.6	
227	63.6	32.0	96.0	





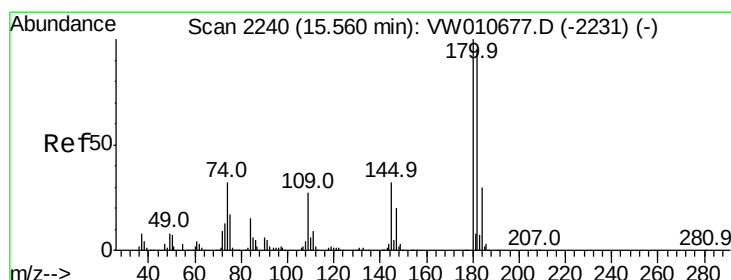
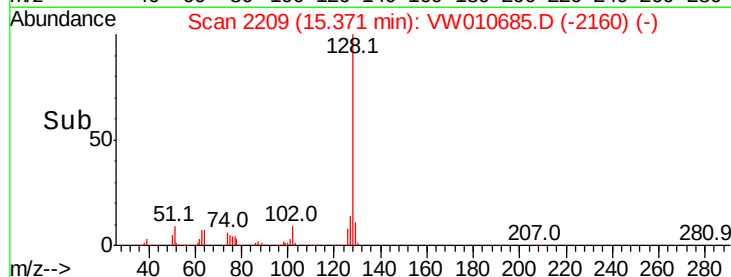
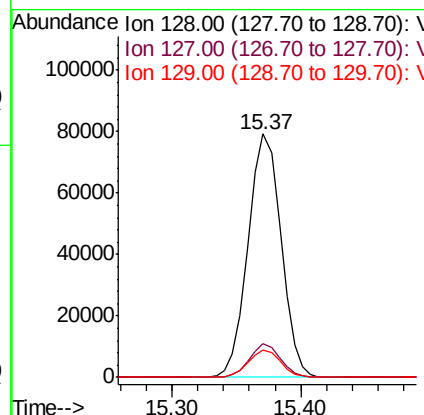
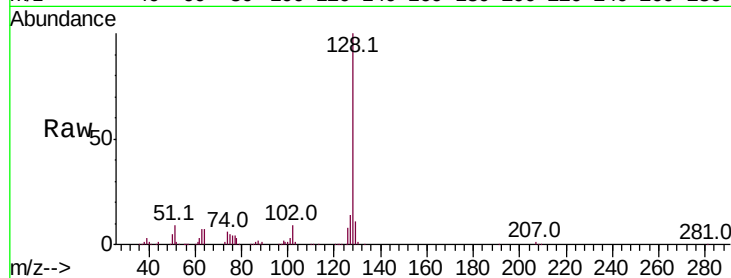
#95
Naphthalene
Concen: 21.070 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW010685.D
Acq: 05 Jun 2019 11:58

Instrument :
MSVOA_W
ClientSampleId :
VW0605SBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	15.8
129	10.9	8.6	13.0

Manual Integrations
APPROVED

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6/6/2019 11:51:44 AM



#96
1,2,3-Trichlorobenzene
Concen: 21.119 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.01 min
Lab File: VW010685.D
Acq: 05 Jun 2019 11:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.0	141.0
145	32.5	16.1	48.3

