

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061919\
 Data File : VW010869.D
 Acq On : 20 Jun 2019 01:48
 Operator : SY/VA
 Sample : VW0619SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0619SBS02

Manual Integrations
 APPROVED

MMDadoda
 6/20/2019 12:00:32 PM

Quant Time: Jun 20 07:11:57 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	229987	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	399867	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	361519	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	173929	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	154997	57.18	ug/l	0.00
Spiked Amount			Recovery	=	114.36%	
35) Dibromofluoromethane	7.88	113	114501	52.76	ug/l	0.00
Spiked Amount			Recovery	=	105.52%	
50) Toluene-d8	10.32	98	472208	49.62	ug/l	0.00
Spiked Amount			Recovery	=	99.24%	
62) 4-Bromofluorobenzene	12.62	95	177645	51.29	ug/l	0.00
Spiked Amount			Recovery	=	102.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	43717	20.570	ug/l	98
3) Chloromethane	2.21	50	70734	22.621	ug/l	100
4) Vinyl Chloride	2.35	62	59946	20.750	ug/l	97
5) Bromomethane	2.73	94	36250	22.849	ug/l	93
6) Chloroethane	2.90	64	37189	21.446	ug/l	97
7) Trichlorofluoromethane	3.25	101	80742	21.530	ug/l	95
8) Diethyl Ether	3.68	74	31084	23.194	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	49287	21.377	ug/l	98
10) Methyl Iodide	4.27	142	35968	18.489	ug/l	98
11) Tert butyl alcohol	5.16	59	42884	194.184	ug/l #	93
12) 1,1-Dichloroethene	4.03	96	48354	21.741	ug/l	96
13) Acrolein	3.90	56	5630	62.387	ug/l	92
14) Allyl chloride	4.67	41	112425	22.925	ug/l	98
15) Acrylonitrile	5.37	53	82970	127.433	ug/l	98
16) Acetone	4.12	43	81510	112.218	ug/l	99
17) Carbon Disulfide	4.37	76	139059	19.696	ug/l	97
18) Methyl Acetate	4.67	43	52265	33.427	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	155451	24.233	ug/l	96
20) Methylene Chloride	4.92	84	58871	23.104	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	56275	22.288	ug/l	95
22) Diisopropyl ether	6.31	45	240643	24.510	ug/l	97
23) Vinyl Acetate	6.26	43	653137	110.231	ug/l	99
24) 1,1-Dichloroethane	6.21	63	117681	23.918	ug/l	100
25) 2-Butanone	7.17	43	129991	129.064	ug/l	96
26) 2,2-Dichloropropane	7.17	77	83660	20.895	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	64767	23.309	ug/l	96
28) Bromochloromethane	7.51	49	52491	23.905	ug/l	95
29) Tetrahydrofuran	7.53	42	81933	129.331	ug/l	99
30) Chloroform	7.68	83	108542	24.118	ug/l	100
31) Cyclohexane	7.95	56	116166	21.239	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	89457	22.755	ug/l	99
36) 1,1-Dichloropropene	8.08	75	85845	20.973	ug/l	100
37) Ethyl Acetate	7.25	43	54039	23.825	ug/l	99
38) Carbon Tetrachloride	8.07	117	74222	21.006	ug/l	100

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	102512	19.702	ug/l	95
40) Benzene	8.32	78	247993	22.209	ug/l	100
41) Methacrylonitrile	7.48	41	32022	23.752	ug/l	97
42) 1,2-Dichloroethane	8.40	62	84145	23.743	ug/l	98
43) Isopropyl Acetate	8.43	43	104828	23.923	ug/l	98
44) Trichloroethene	9.09	130	59462	21.588	ug/l	98
45) 1,2-Dichloropropane	9.37	63	67135	22.713	ug/l	98
46) Dibromomethane	9.46	93	31926	23.254	ug/l	97
47) Bromodichloromethane	9.65	83	79467	22.330	ug/l	95
48) Methyl methacrylate	9.44	41	51133	24.202	ug/l	96
49) 1,4-Dioxane	9.45	88	10674	497.279	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	276116	123.343	ug/l	100
52) Toluene	10.39	92	150765	21.944	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	78256	20.760	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	95167	21.455	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	45964	23.240	ug/l	97
56) Ethyl methacrylate	10.65	69	69429	22.813	ug/l	96
57) 1,3-Dichloropropane	10.93	76	86248	23.140	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	186913	117.258	ug/l	99
59) 2-Hexanone	10.97	43	189585	117.180	ug/l	98
60) Dibromochloromethane	11.13	129	46464	21.193	ug/l	97
61) 1,2-Dibromoethane	11.24	107	43610	23.272	ug/l	98
64) Tetrachloroethene	10.86	164	62312	25.960	ug/l	98
65) Chlorobenzene	11.66	112	153329	21.568	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	53258	21.641	ug/l	99
67) Ethyl Benzene	11.73	91	289372	21.179	ug/l	100
68) m/p-Xylenes	11.84	106	207783	42.483	ug/l	97
69) o-Xylene	12.16	106	100560	21.679	ug/l	98
70) Styrene	12.18	104	172942	21.462	ug/l	99
71) Bromoform	12.35	173	26433	20.768	ug/l #	99
73) Isopropylbenzene	12.46	105	271949	20.807	ug/l	99
74) N-amyl acetate	12.27	43	95880	22.698	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	55466	22.292	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	41993m	22.991	ug/l	
77) Bromobenzene	12.75	156	61616	21.597	ug/l	97
78) n-propylbenzene	12.80	91	329781	20.925	ug/l	99
79) 2-Chlorotoluene	12.90	91	195985	21.767	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	227843	21.298	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	15097	18.997	ug/l	93
82) 4-Chlorotoluene	12.99	91	201139	21.647	ug/l	99
83) tert-Butylbenzene	13.21	119	194244	21.394	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	230438	21.405	ug/l	98
85) sec-Butylbenzene	13.38	105	273336	20.677	ug/l	100
86) p-Isopropyltoluene	13.50	119	243452	20.594	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	118632	21.562	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	118209	21.672	ug/l	98
89) n-Butylbenzene	13.83	91	240654	20.404	ug/l	99
90) Hexachloroethane	14.10	117	42974	20.300	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	108923	22.014	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9782	22.894	ug/l	94

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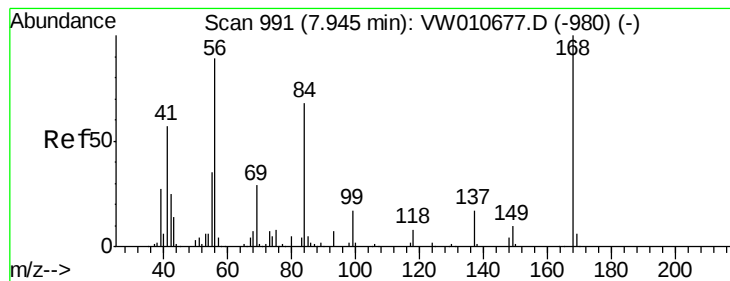
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	75054	21.616	ug/l	99
94) Hexachlorobutadiene	15.24	225	45570	20.912	ug/l	98
95) Naphthalene	15.37	128	138302	21.923	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	66228	22.428	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW010869.D

Acq: 20 Jun 2019 01:48

Instrument :

MSVOA_W

ClientSampleId :

VW0619SBS02

Tot Ion:168 Resp: 229987

Ion Ratio Lower Upper

168 100

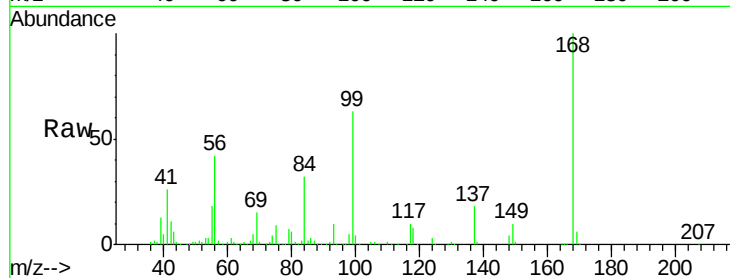
99 62.7 47.7 71.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

120000

100000

80000

60000

40000

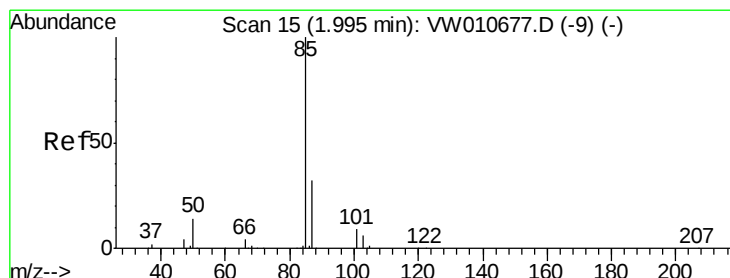
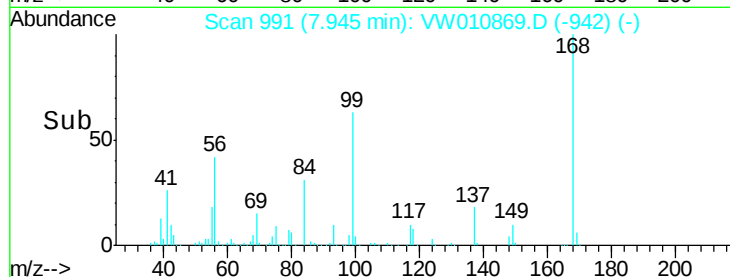
20000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 20.570 ug/l

RT: 2.00 min Scan# 15

Delta R.T. 0.00 min

Lab File: VW010869.D

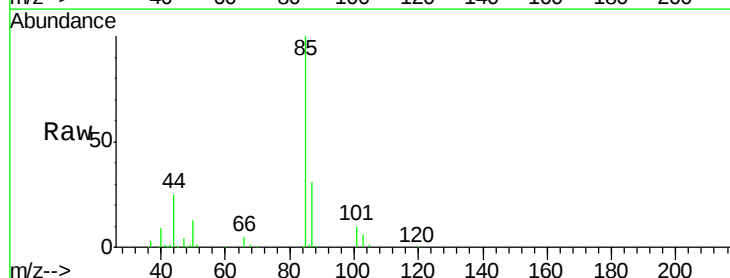
Acq: 20 Jun 2019 01:48

Tgt Ion: 85 Resp: 43717

Ion Ratio Lower Upper

85 100

87 31.0 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

30000

25000

20000

15000

10000

5000

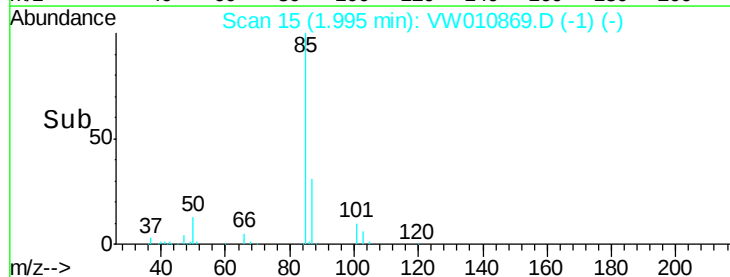
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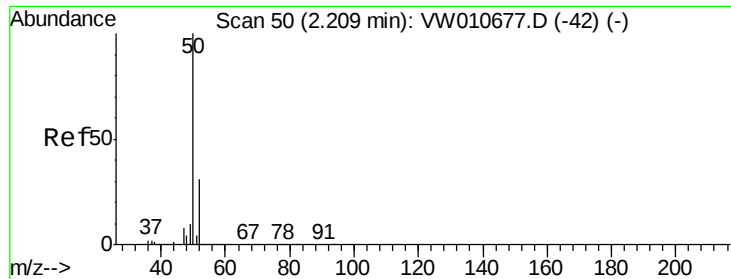
1.90

2.00

2.10

Time-->





#3

Chloromethane

Concen: 22.621 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW010869.D

Acq: 20 Jun 2019 01:48

Instrument :

MSVOA_W

ClientSampleId :

VW0619SBS02

Tot Ion: 50 Resp: 70734

Ion Ratio Lower Upper

50 100

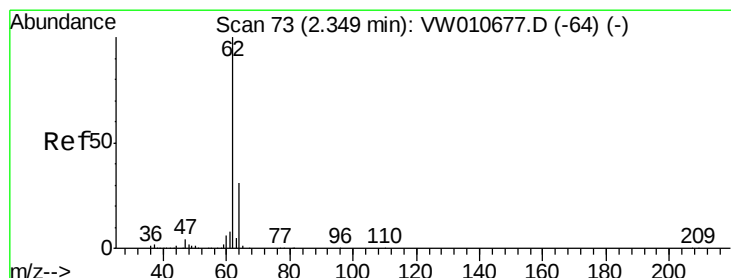
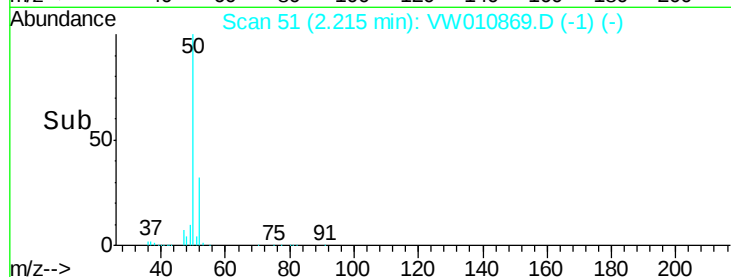
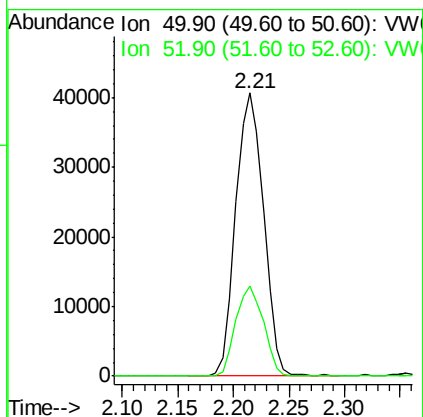
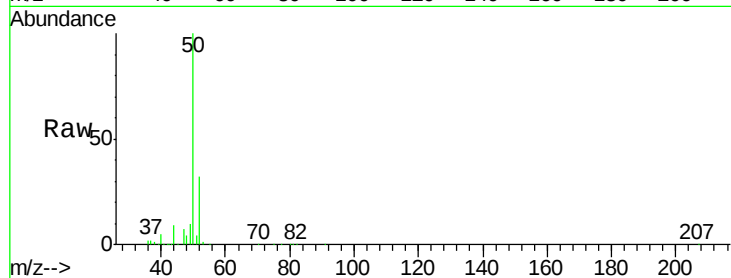
52 31.7 25.2 37.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.750 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VW010869.D

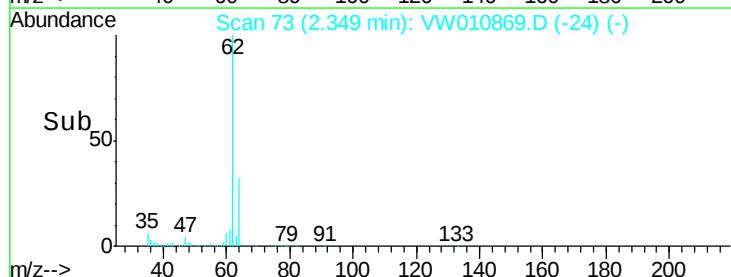
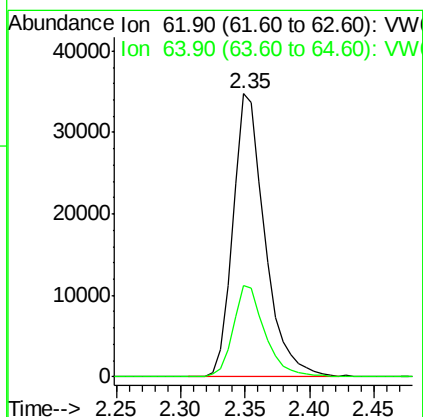
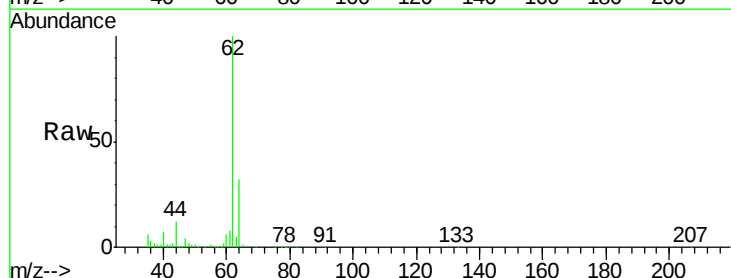
Acq: 20 Jun 2019 01:48

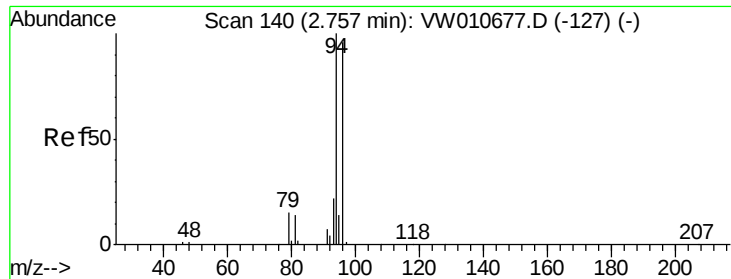
Tgt Ion: 62 Resp: 59946

Ion Ratio Lower Upper

62 100

64 32.1 24.5 36.7





#5

Bromomethane

Concen: 22.849 ug/l

RT: 2.73 min Scan# 136

Delta R.T. -0.02 min

Lab File: VW010869.D

Acq: 20 Jun 2019 01:48

Instrument :

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ClientSampleId :

VW0619SBSD02

Tot Ion: 94 Resp: 36250

Ion Ratio Lower Upper

94 100

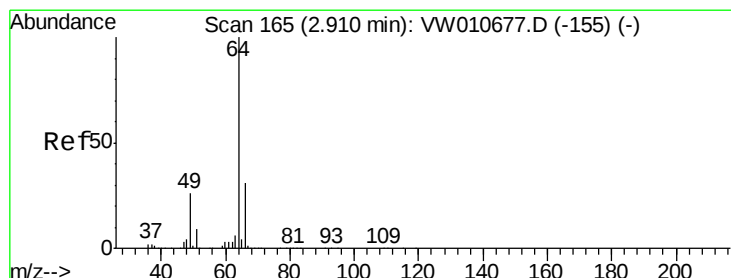
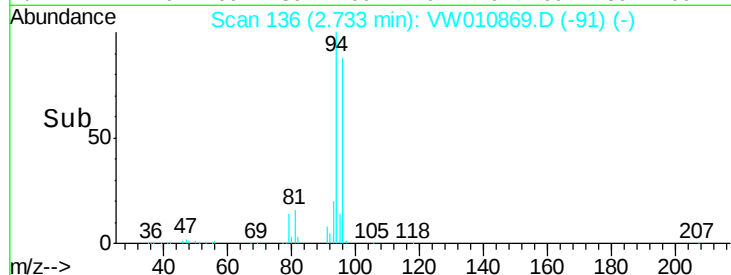
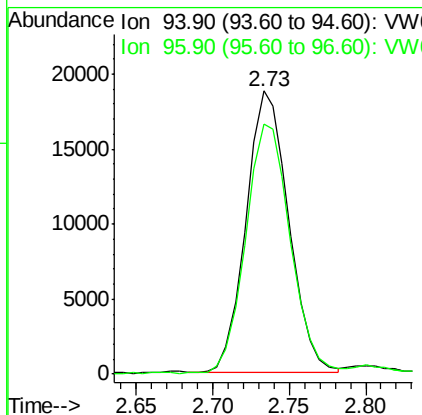
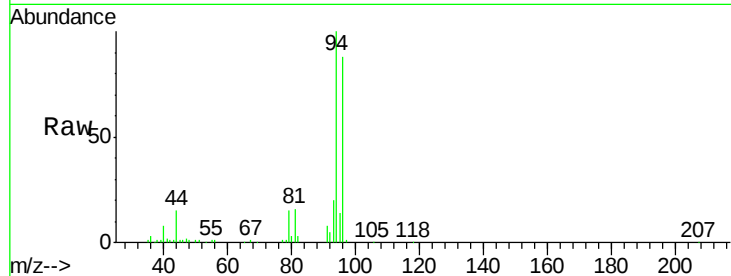
96 88.6 76.5 114.7

Manual Integrations

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#6

Chloroethane

Concen: 21.446 ug/l

RT: 2.90 min Scan# 163

Delta R.T. -0.01 min

Lab File: VW010869.D

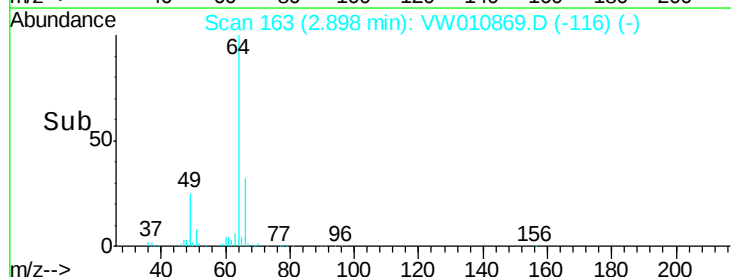
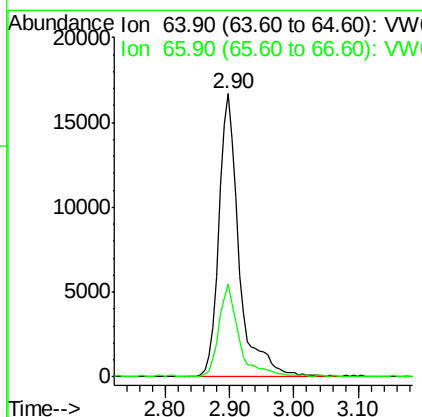
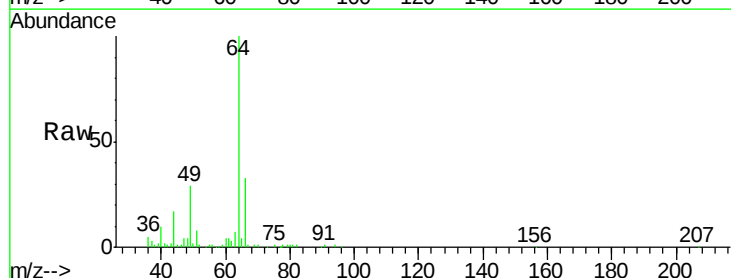
Acq: 20 Jun 2019 01:48

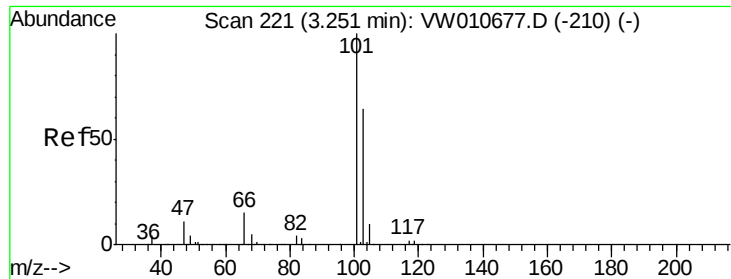
Tgt Ion: 64 Resp: 37189

Ion Ratio Lower Upper

64 100

66 32.8 25.1 37.7





#7

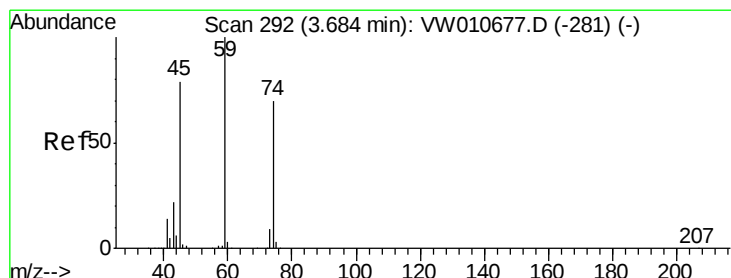
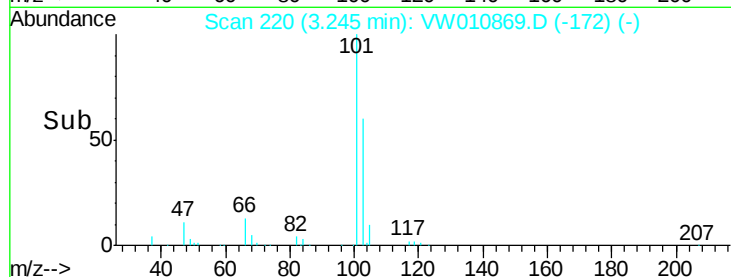
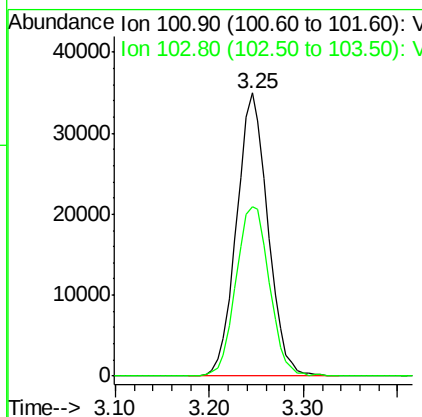
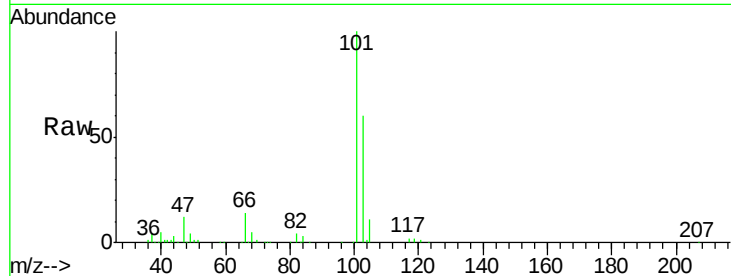
Trichlorofluoromethane
 Concen: 21.530 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW010869.D
 Acq: 20 Jun 2019 01:48

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	59.7	51.2	76.8

Manual Integrations
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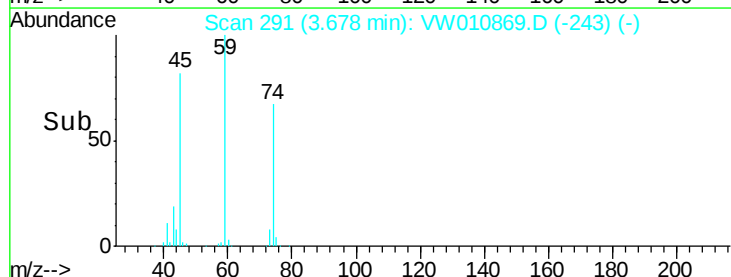
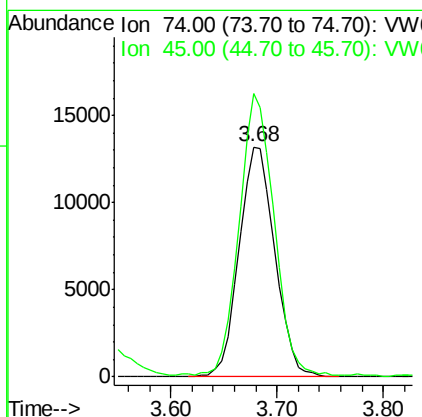
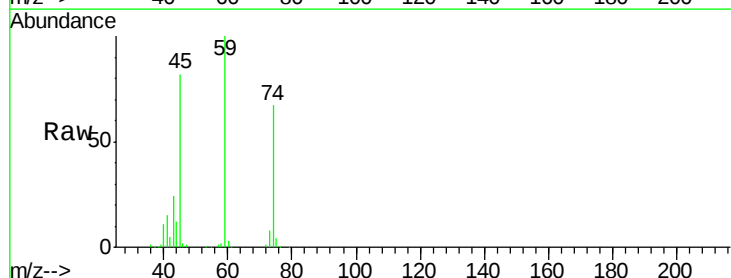
MMDadoda
 6/20/2019 12:00:32 PM

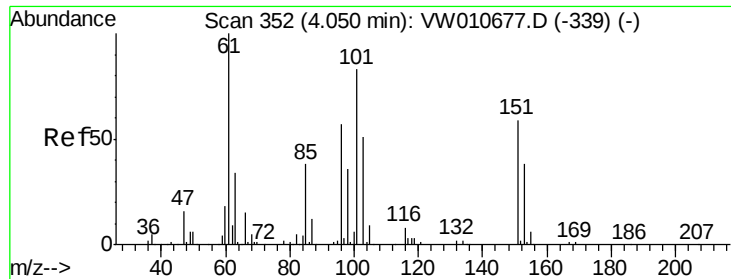


#8

Diethyl Ether
 Concen: 23.194 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW010869.D
 Acq: 20 Jun 2019 01:48

Tgt Ion	Ratio	Lower	Upper
74	100		
45	119.8	56.9	170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.377 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW010869.D

Acq: 20 Jun 2019 01:48

Instrument :

MSVOA_W

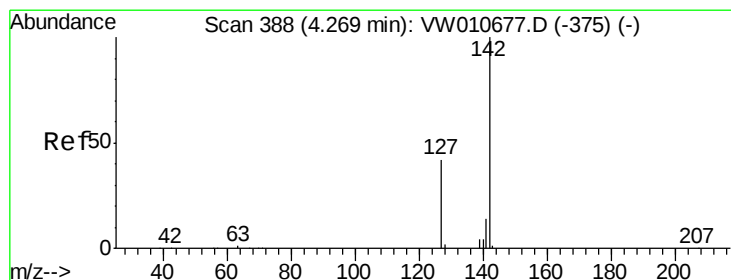
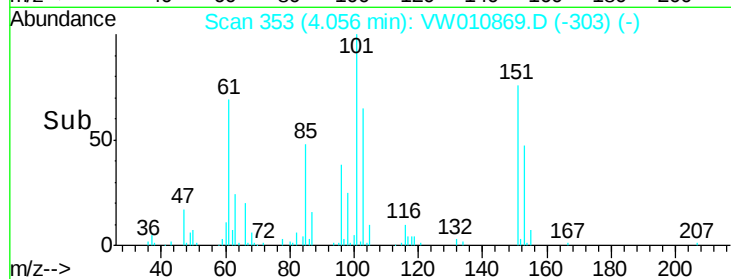
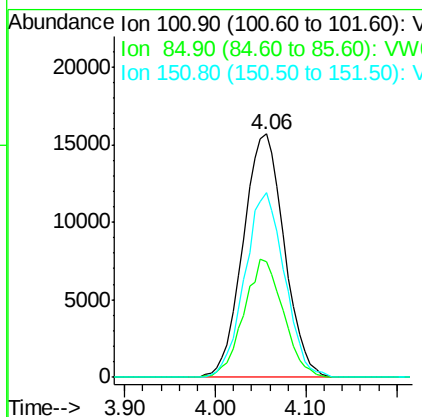
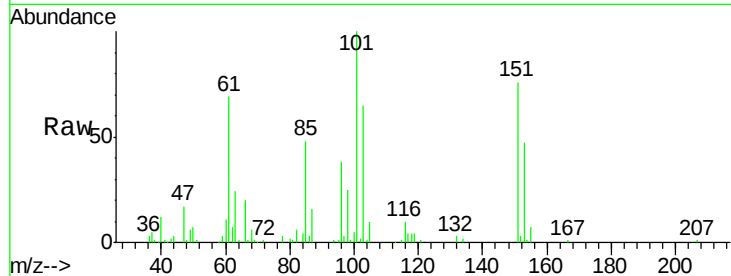
ClientSampleId :

VW0619SBS02

Tot Ion:	101	Resp:	49287
Ion Ratio	Lower	Upper	
101	100		
85	46.5	35.8	53.8
151	73.5	58.1	87.1

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#10

Methyl Iodide

Concen: 18.489 ug/l

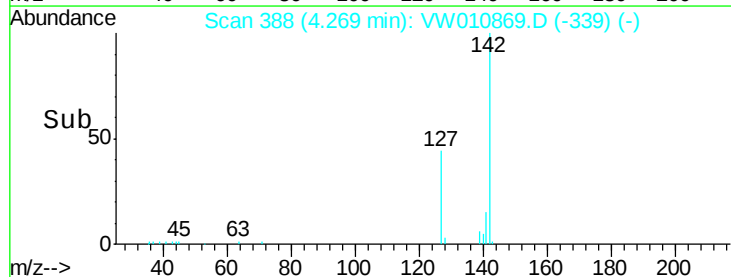
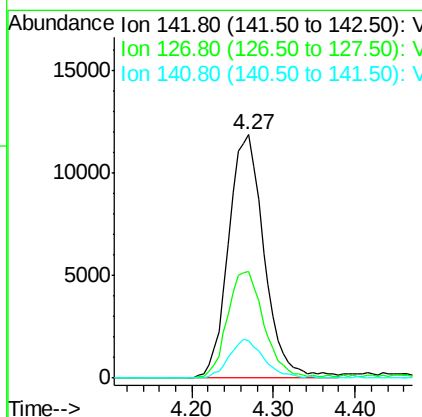
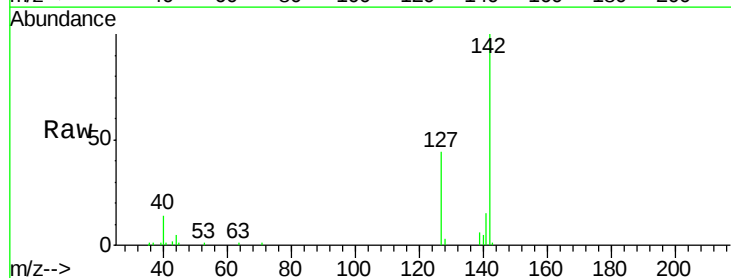
RT: 4.27 min Scan# 388

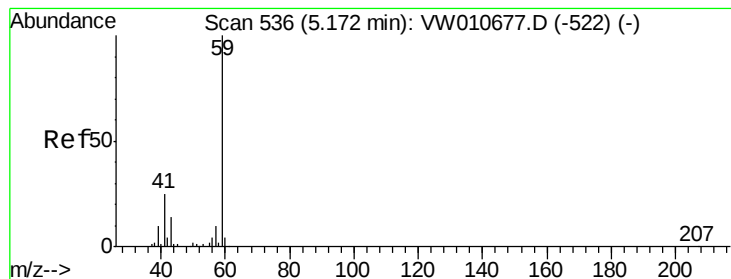
Delta R.T. 0.00 min

Lab File: VW010869.D

Acq: 20 Jun 2019 01:48

Tgt Ion:	142	Resp:	35968
Ion Ratio	Lower	Upper	
142	100		
127	44.8	34.6	51.8
141	15.1	11.6	17.4





#11

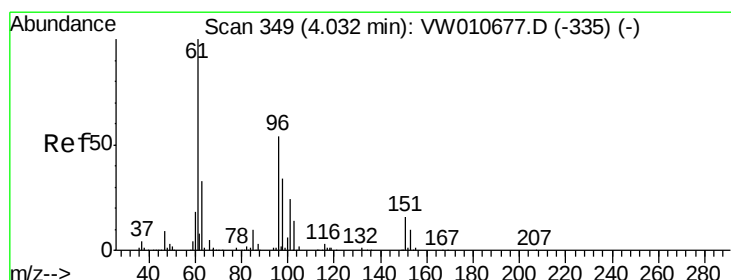
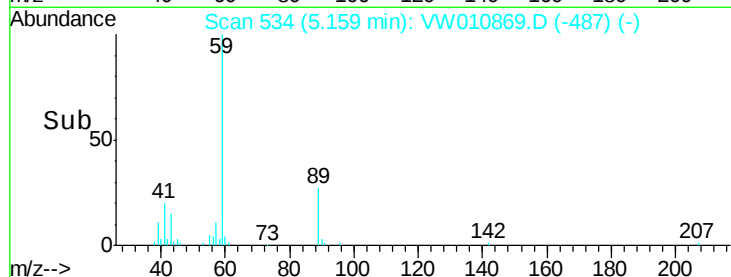
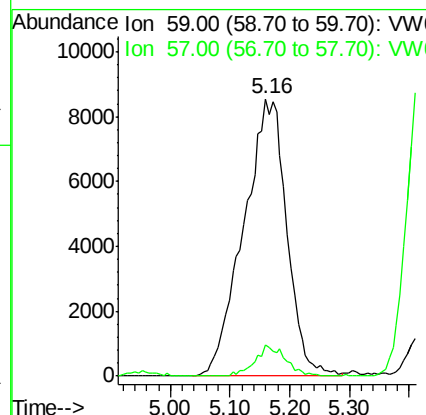
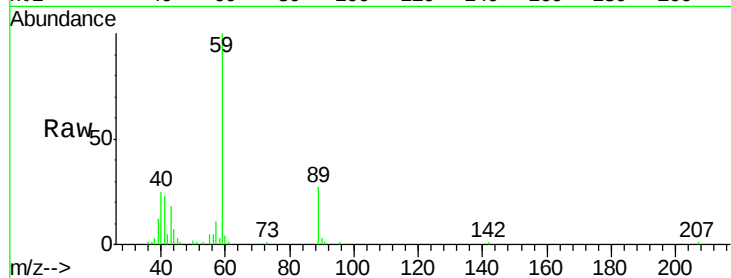
Tert butyl alcohol
Concen: 194.184 ug/l
RT: 5.16 min Scan# 534
Delta R.T. -0.01 min
Lab File: VW010869.D
Acq: 20 Jun 2019 01:48

Instrument :
MSVOA_W
ClientSampleId :
VW0619SBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.9	8.6	12.8#

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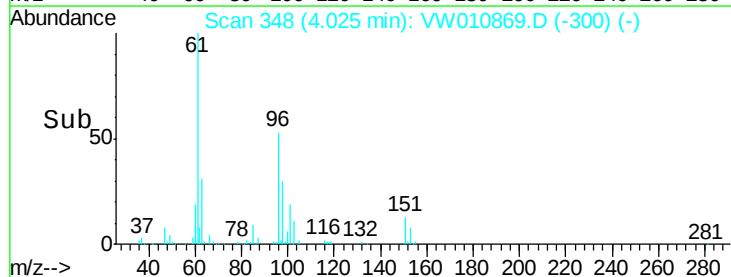
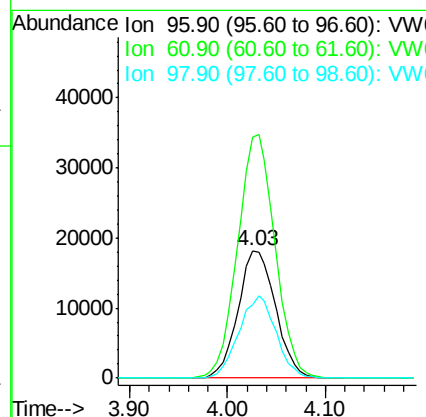
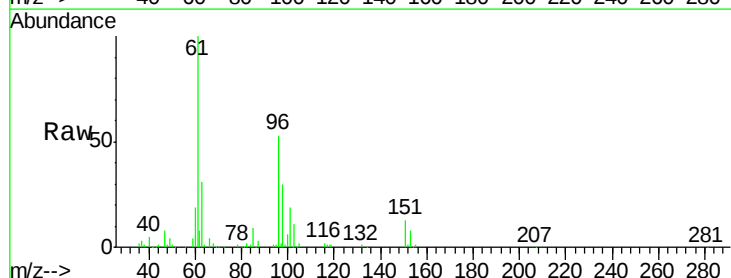
MMDadoda
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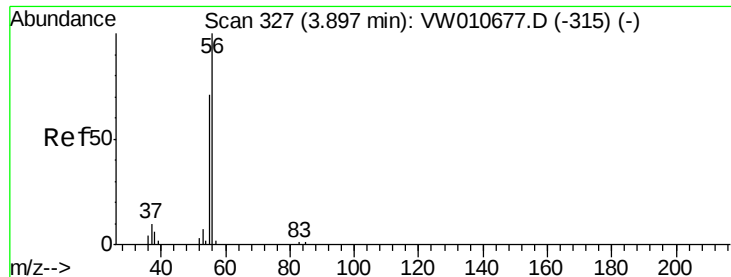


#12

1,1-Dichloroethene
Concen: 21.741 ug/l
RT: 4.03 min Scan# 348
Delta R.T. -0.01 min
Lab File: VW010869.D
Acq: 20 Jun 2019 01:48

Tgt Ion	Ratio	Lower	Upper
96	100		
61	189.2	149.1	223.7
98	57.3	51.1	76.7





#13

Acrolein

Concen: 62.387 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.01 min

Lab File: VW010869.D

Acq: 20 Jun 2019 01:48

Instrument :

MSVOA_W

ClientSampleId :

VW0619SBS02

Tot Ion: 56 Resp: 5630

Ion Ratio Lower Upper

56 100

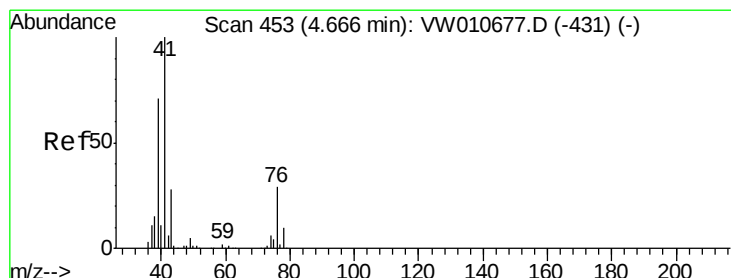
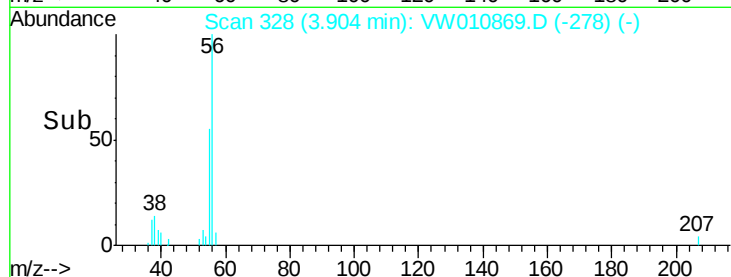
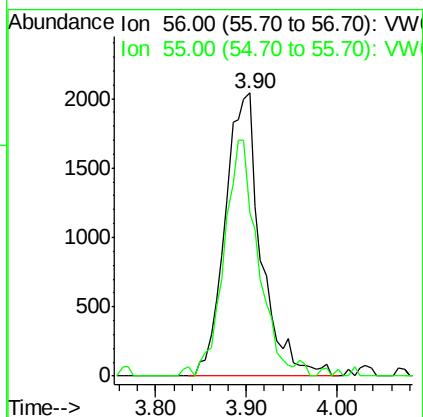
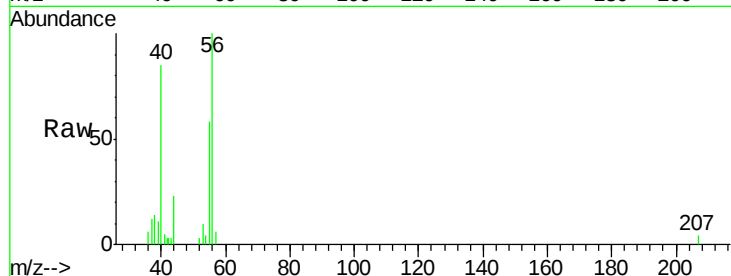
55 78.3 57.6 86.4

Manual Integrations

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#14

Allyl chloride

Concen: 22.925 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW010869.D

Acq: 20 Jun 2019 01:48

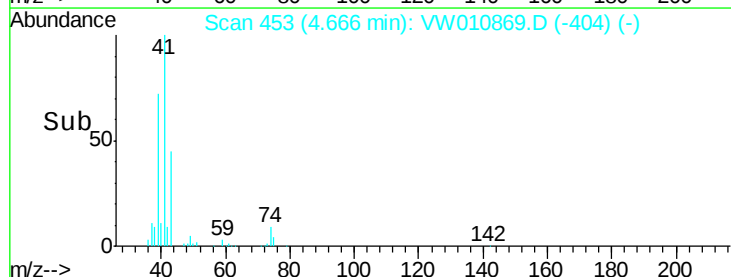
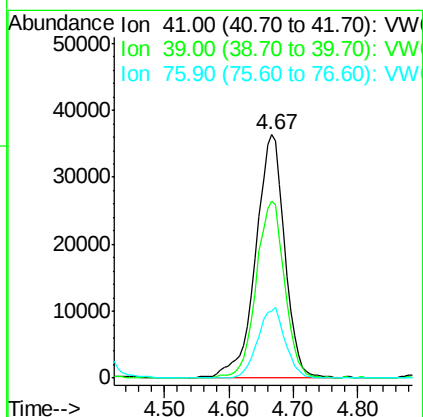
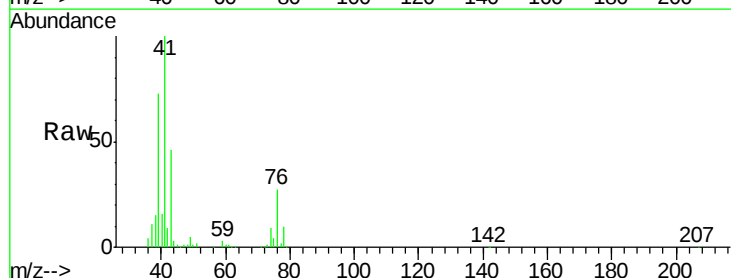
Tgt Ion: 41 Resp: 112425

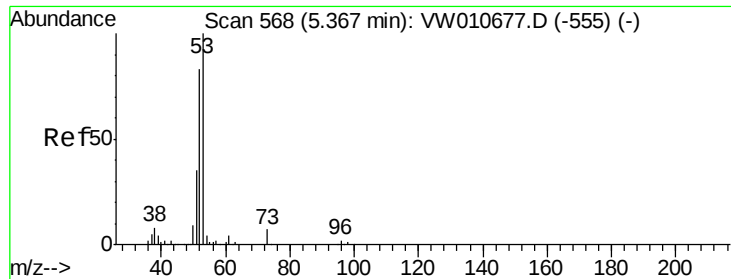
Ion Ratio Lower Upper

41 100

39 70.8 55.8 83.6

76 27.1 22.7 34.1





#15

Acrylonitrile

Concen: 127.433 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW010869.D

Acq: 20 Jun 2019 01:48

Instrument :

MSVOA_W

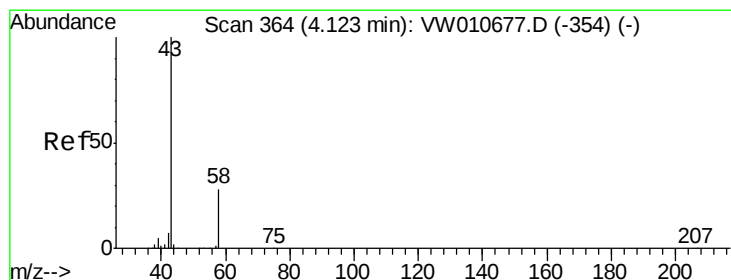
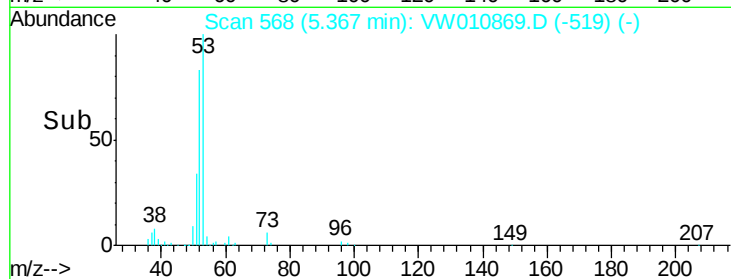
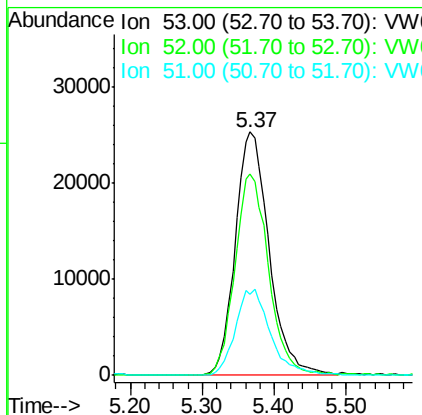
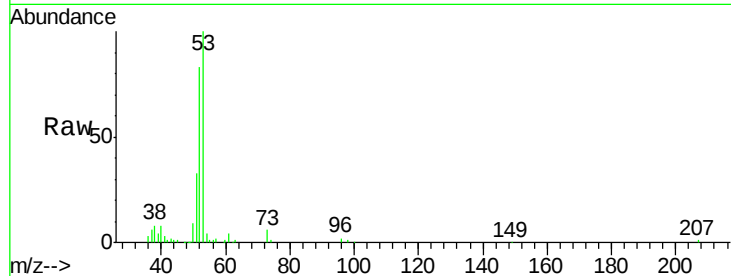
ClientSampleId :

VW0619SBS02

Tot Ion:	53	Resp:	82970
Ion	Ratio	Lower	Upper
53	100		
52	81.6	66.6	100.0
51	36.7	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 112.218 ug/l

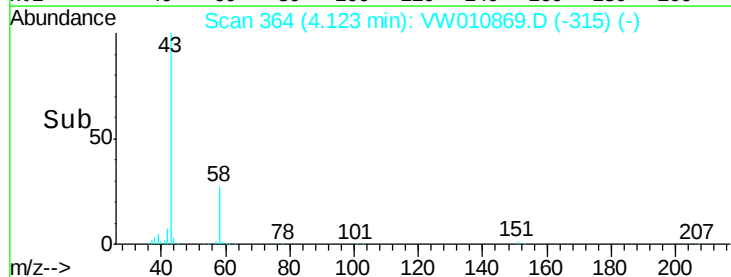
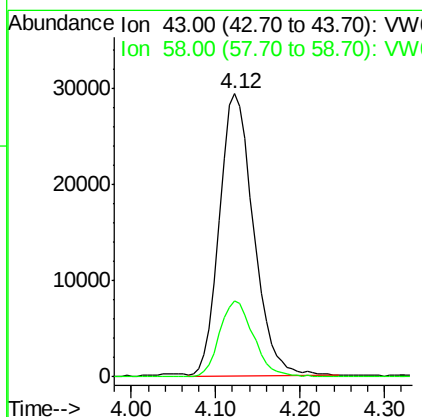
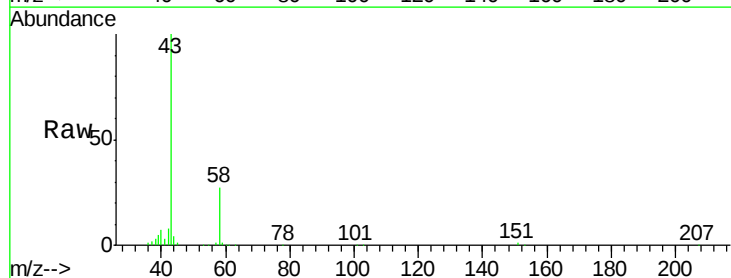
RT: 4.12 min Scan# 364

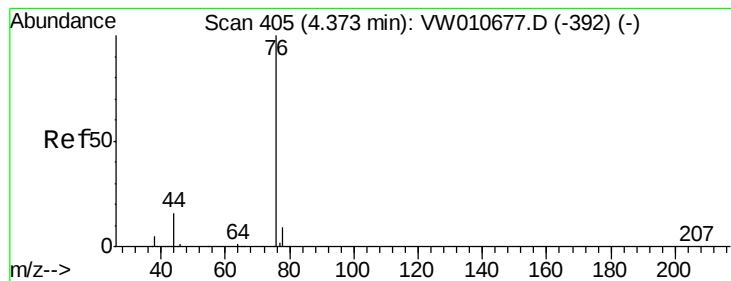
Delta R.T. 0.00 min

Lab File: VW010869.D

Acq: 20 Jun 2019 01:48

Tgt Ion:	43	Resp:	81510
Ion	Ratio	Lower	Upper
43	100		
58	27.2	22.1	33.1





#17

Carbon Disulfide

Concen: 19.696 ug/l

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW010869.D

Acq: 20 Jun 2019 01:48

Instrument :

MSVOA_W

ClientSampleId :

VW0619SBSD02

Tot Ion: 76 Resp: 139059

Ion Ratio Lower Upper

76 100

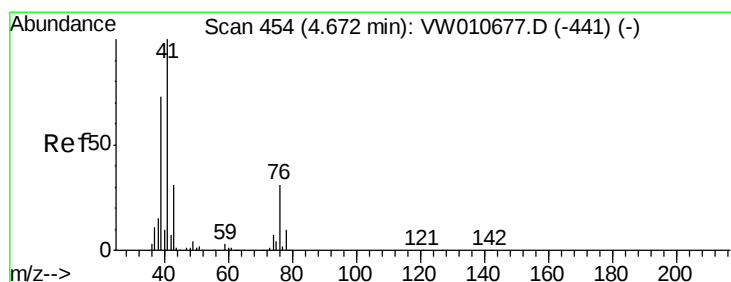
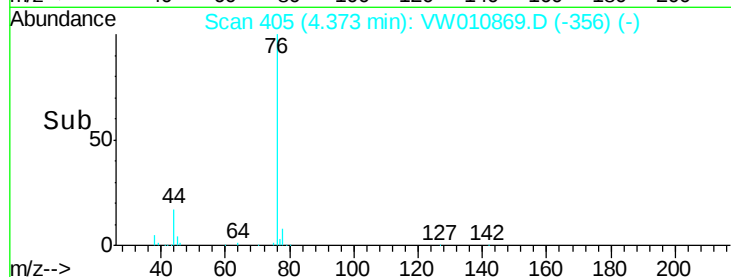
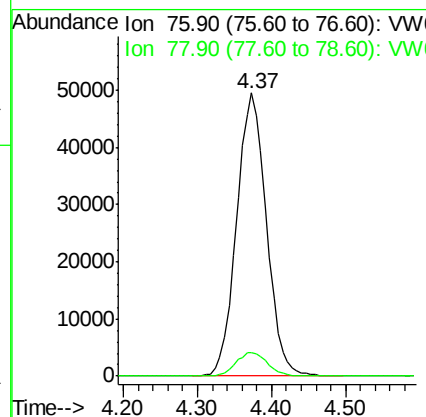
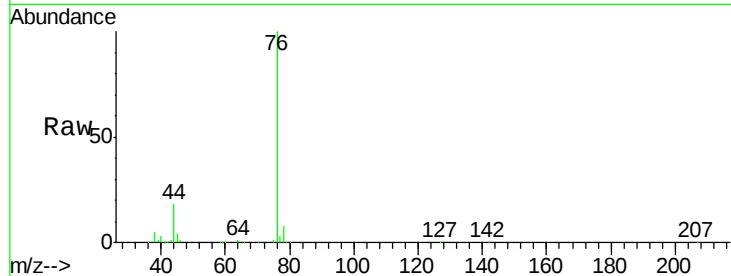
78 8.3 7.5 11.3

Manual Integrations

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#18

Methyl Acetate

Concen: 33.427 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW010869.D

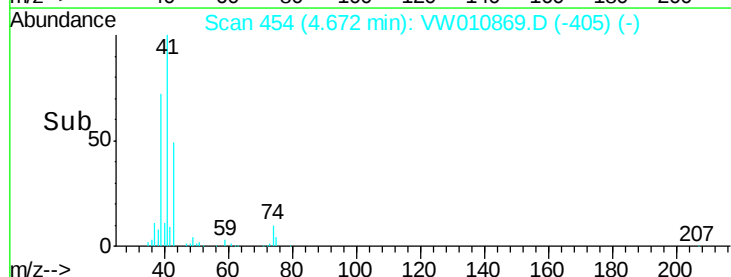
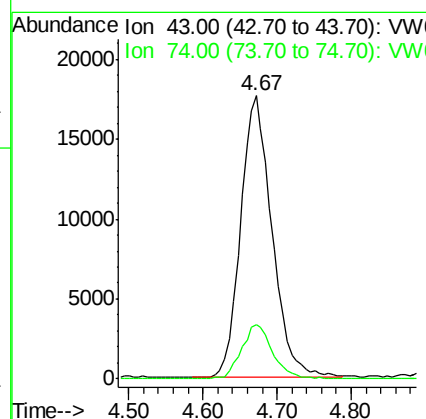
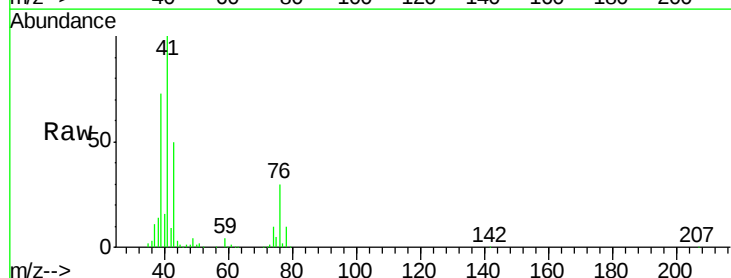
Acq: 20 Jun 2019 01:48

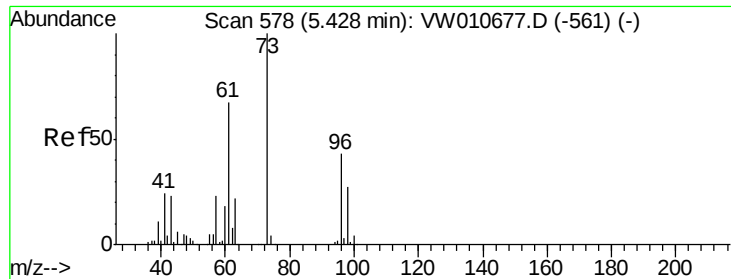
Tgt Ion: 43 Resp: 52265

Ion Ratio Lower Upper

43 100

74 19.0 16.7 25.1





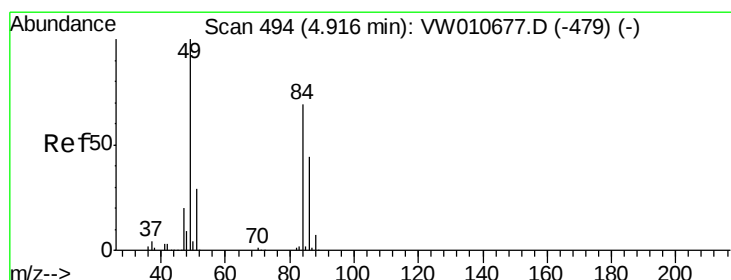
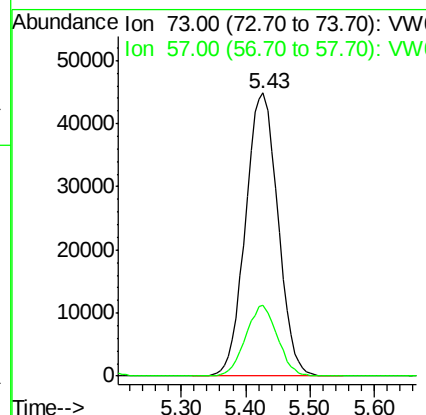
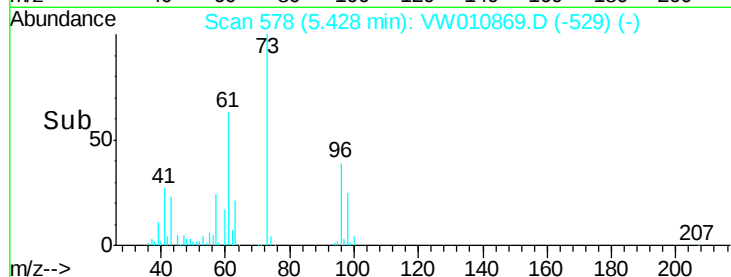
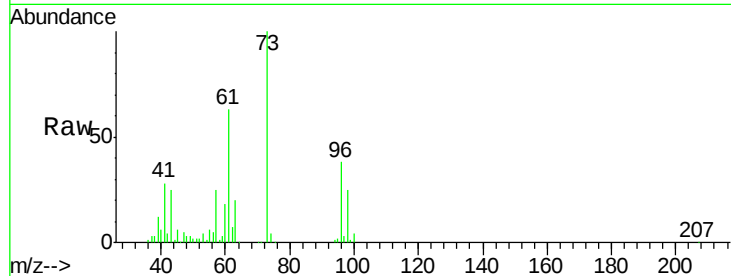
#19
Methyl tert-butyl Ether
Concen: 24.233 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW010869.D
Acq: 20 Jun 2019 01:48

Instrument :
MSVOA_W
ClientSampleId :
VW0619SBS02

Tot Ion: 73 Resp: 155451
Ion Ratio Lower Upper
73 100
57 24.9 18.6 27.8

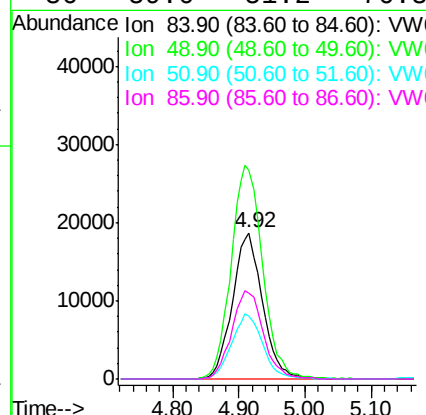
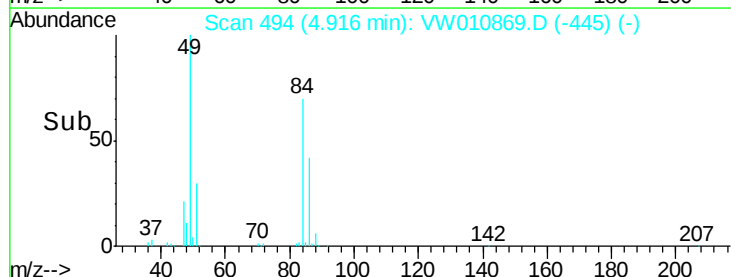
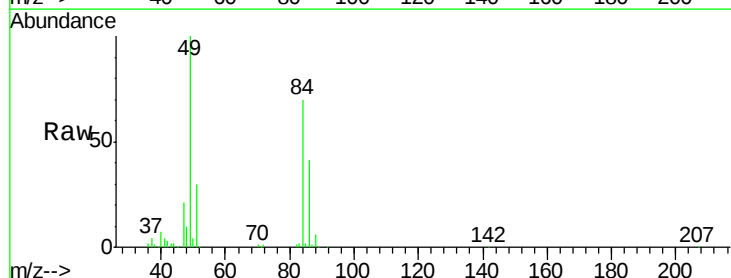
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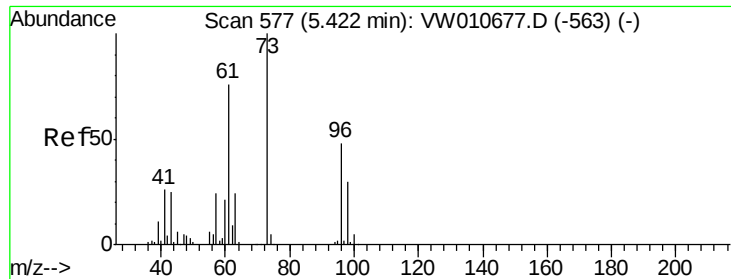
MMDadoda
6/20/2019 12:00:32 PM



#20
Methylene Chloride
Concen: 23.104 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW010869.D
Acq: 20 Jun 2019 01:48

Tgt Ion: 84 Resp: 58871
Ion Ratio Lower Upper
84 100
49 142.6 116.7 175.1
51 42.6 34.2 51.2
86 59.0 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 22.288 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW010869.D

Acq: 20 Jun 2019 01:48

Instrument :

MSVOA_W

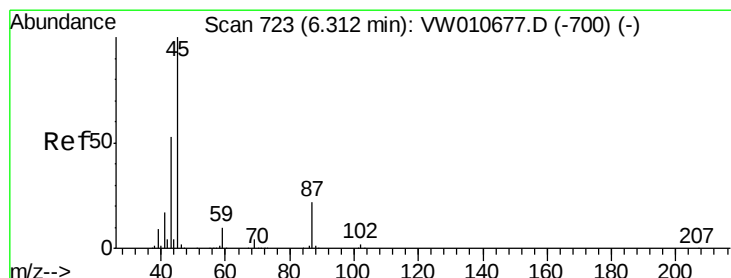
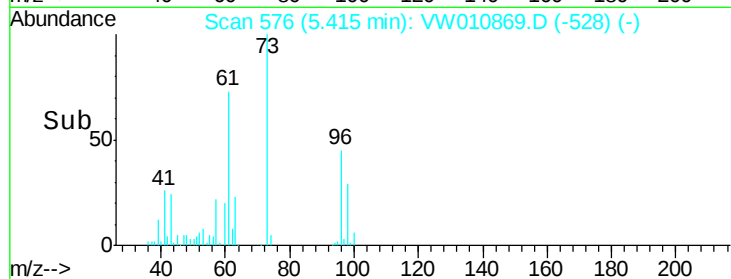
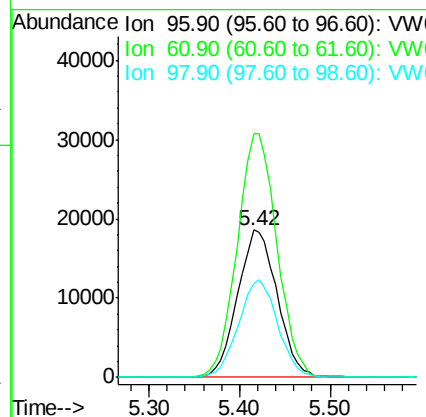
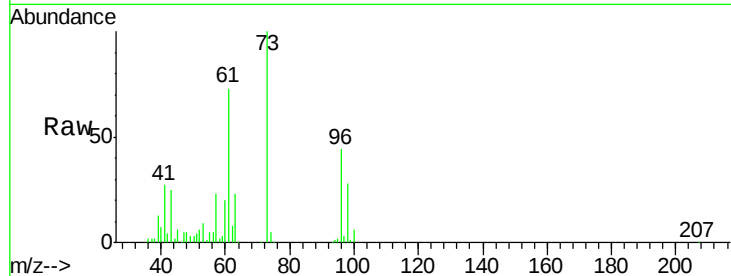
ClientSampleId :

VW0619SBSD02

Tot Ion:	96	Resp:	56275
Ion	Ratio	Lower	Upper
96	100		
61	164.9	126.0	189.0
98	64.1	49.6	74.4

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#22

Diisopropyl ether

Concen: 24.510 ug/l

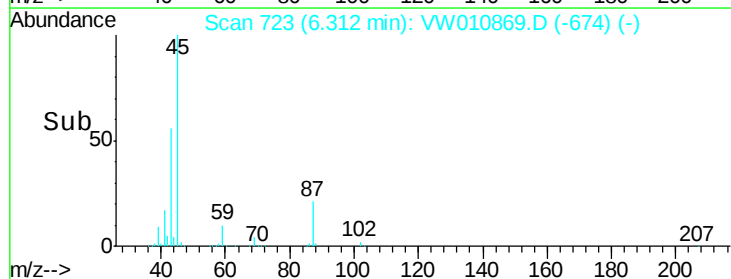
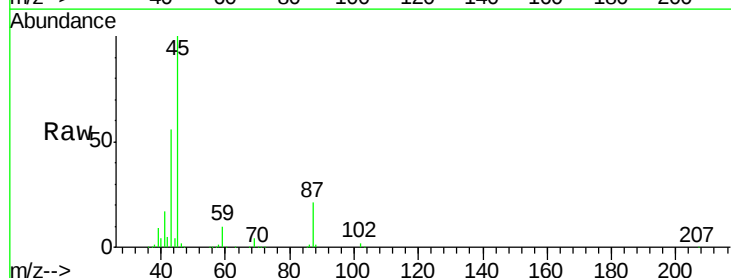
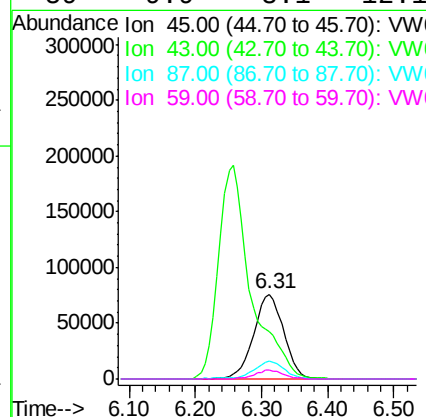
RT: 6.31 min Scan# 723

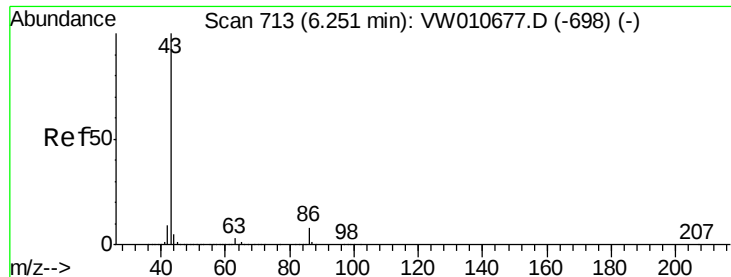
Delta R.T. 0.00 min

Lab File: VW010869.D

Acq: 20 Jun 2019 01:48

Tgt Ion:	45	Resp:	240643
Ion	Ratio	Lower	Upper
45	100		
43	55.8	42.5	63.7
87	21.5	17.4	26.2
59	9.9	8.1	12.1





#23

Vinyl Acetate

Concen: 110.231 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW010869.D

Acq: 20 Jun 2019 01:48

Instrument :

MSVOA_W

ClientSampleId :

VW0619SBS02

Tot Ion: 43 Resp: 653137

Ion Ratio Lower Upper

43 100

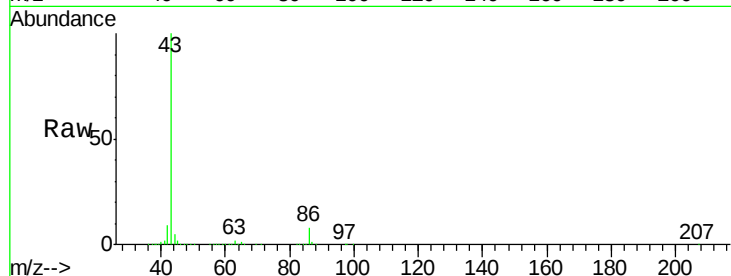
86 8.1 6.6 10.0

Manual Integrations

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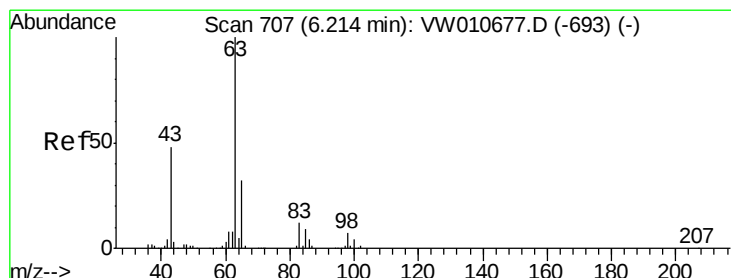
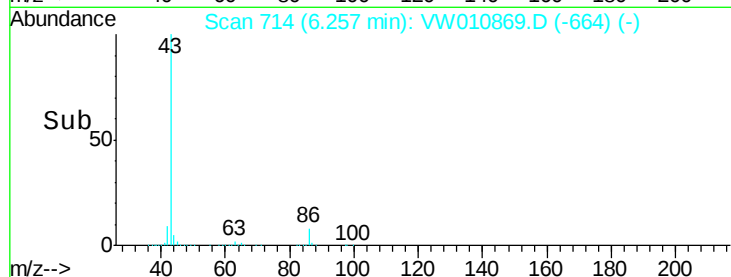
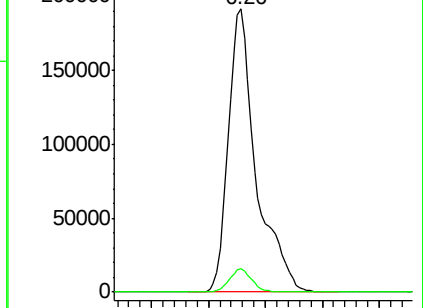
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 23.918 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW010869.D

Acq: 20 Jun 2019 01:48

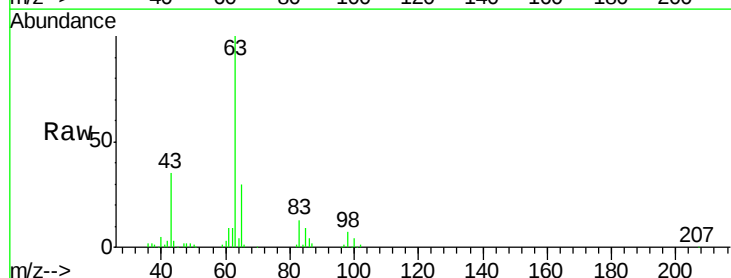
Tgt Ion: 63 Resp: 117681

Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.2

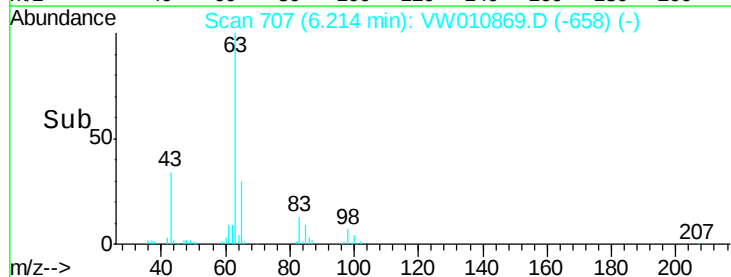
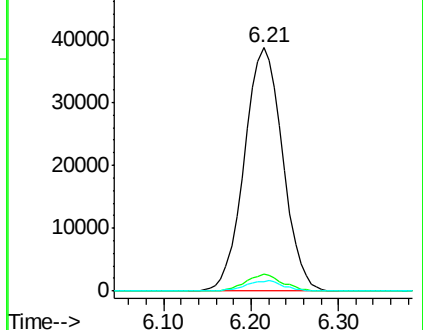
100 4.1 2.1 6.3

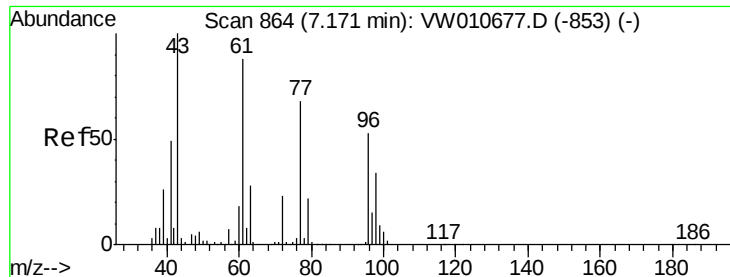


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 129.064 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW010869.D

Acq: 20 Jun 2019 01:48

Instrument :

MSVOA_W

ClientSampled :

VW0619SBS02

Tot Ion: 43 Resp: 129991

Ion Ratio Lower Upper

43 100

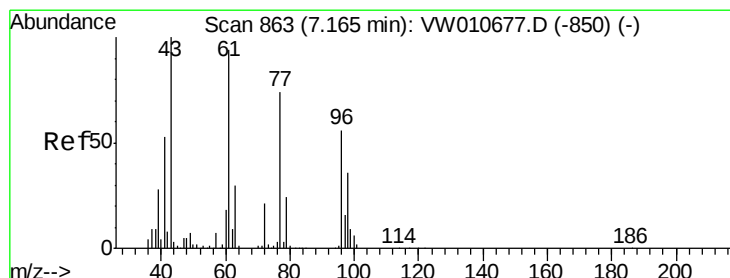
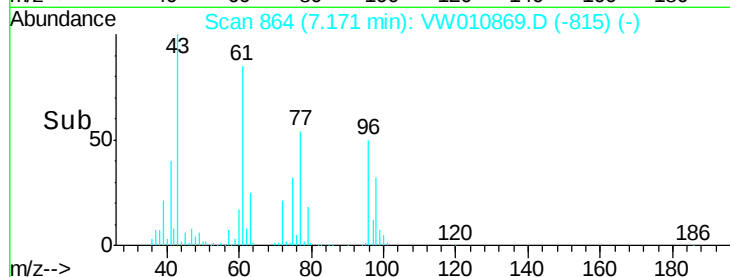
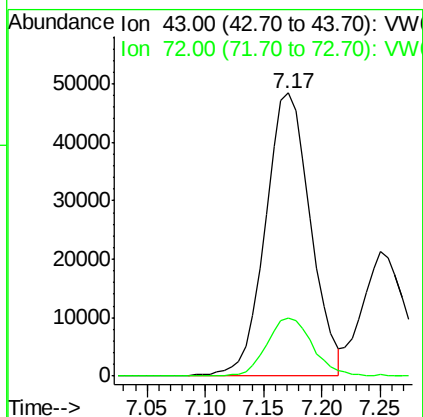
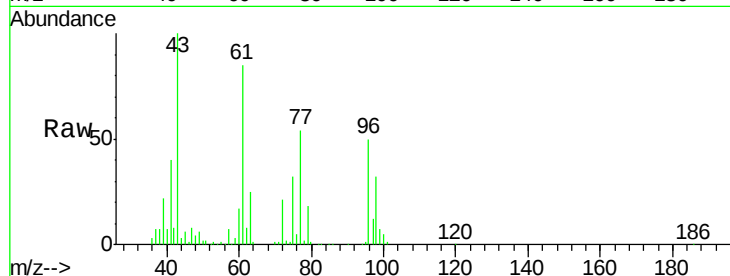
72 20.6 18.1 27.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.895 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW010869.D

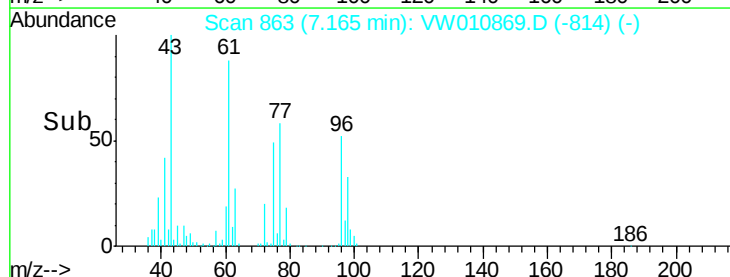
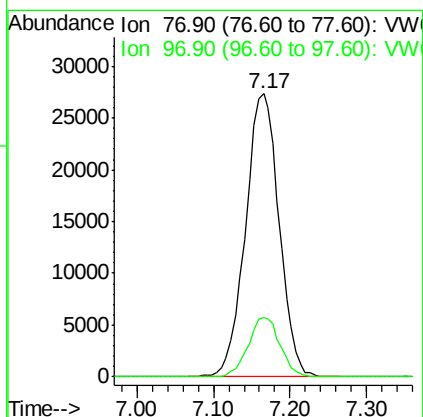
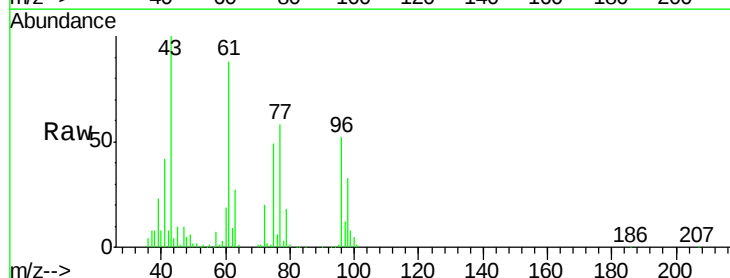
Acq: 20 Jun 2019 01:48

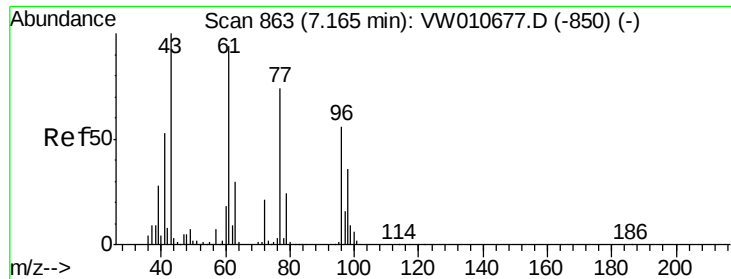
Tgt Ion: 77 Resp: 83660

Ion Ratio Lower Upper

77 100

97 19.8 10.5 31.6





#27

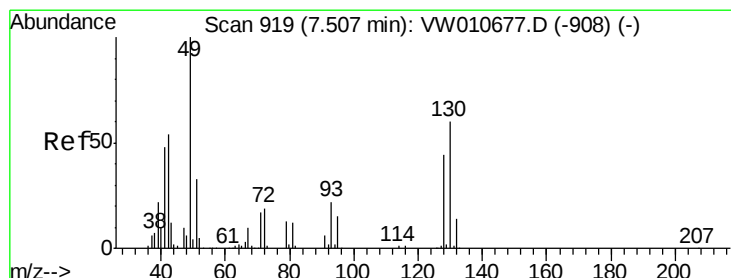
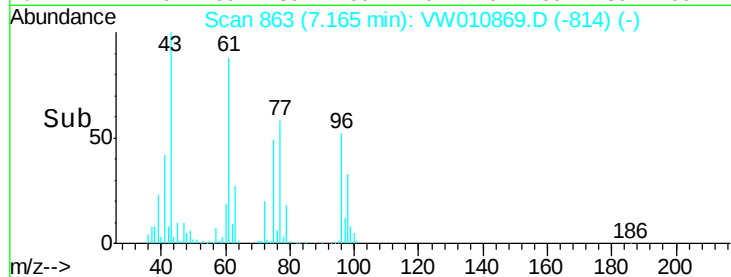
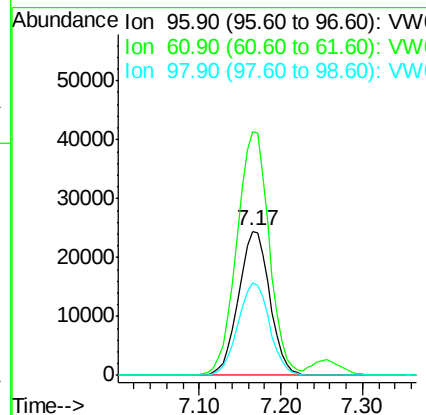
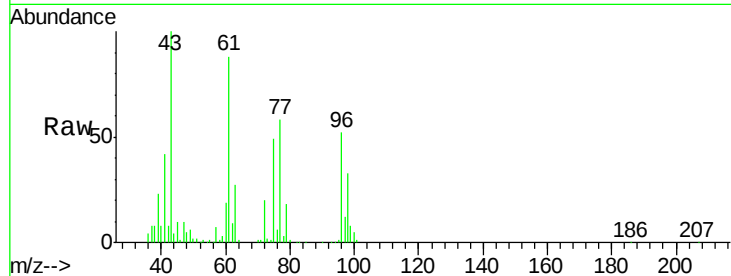
cis-1,2-Dichloroethene
Concen: 23.309 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW010869.D
Acq: 20 Jun 2019 01:48

Instrument :
MSVOA_W
ClientSampleId :
VW0619SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	175.0	0.0	336.4
98	64.8	0.0	128.0

Manual Integrations
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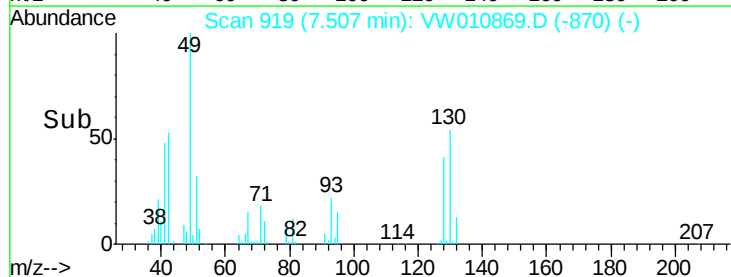
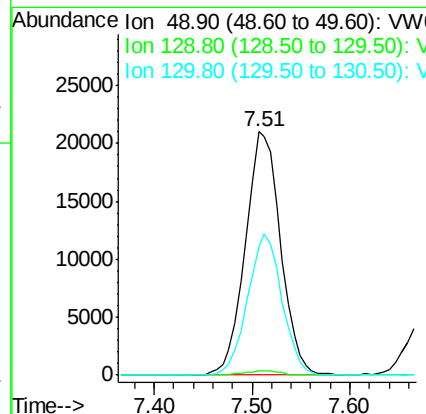
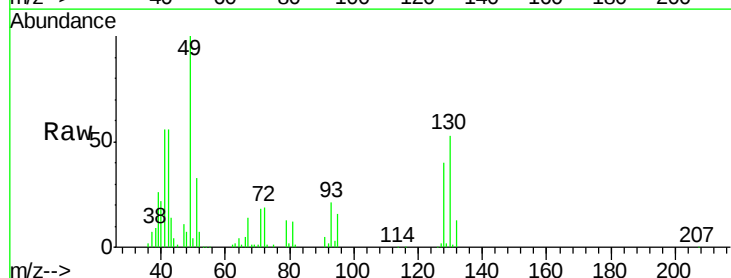
MMDadoda
6/20/2019 12:00:32 PM

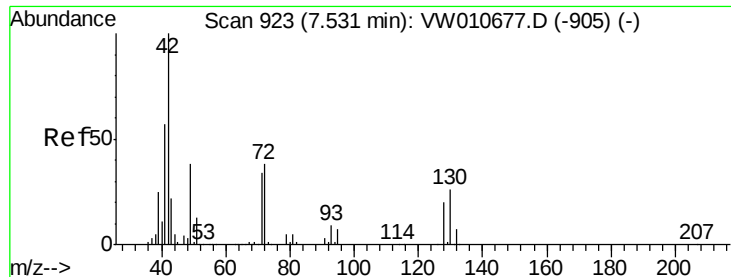


#28

Bromochloromethane
Concen: 23.905 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW010869.D
Acq: 20 Jun 2019 01:48

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.2
130	56.5	48.3	72.5





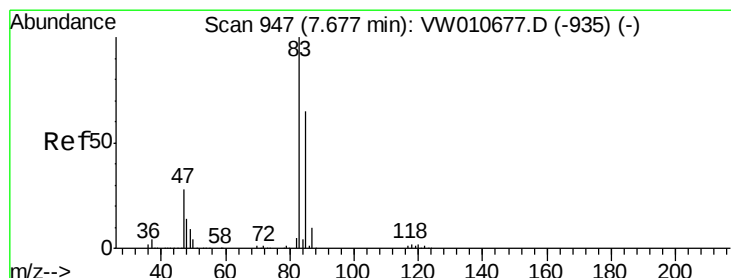
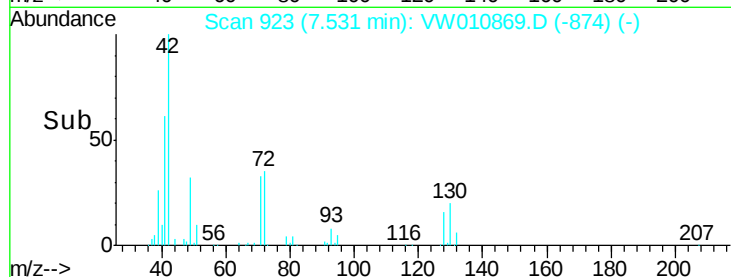
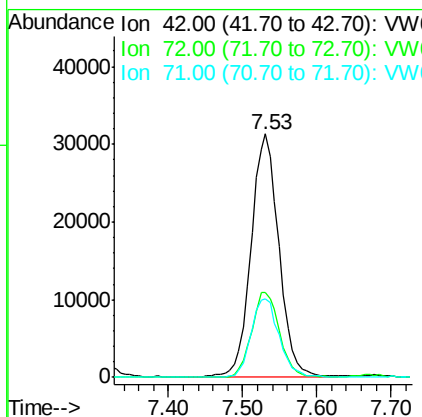
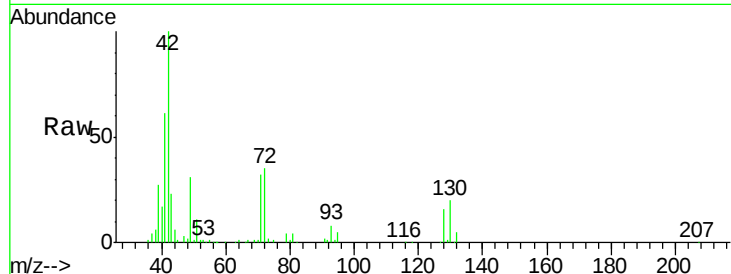
#29
Tetrahydrofuran
Concen: 129.331 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW010869.D
Acq: 20 Jun 2019 01:48

Instrument :
MSVOA_W
ClientSampleId :
VW0619SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.1	28.7	43.1
71	32.7	26.6	39.8

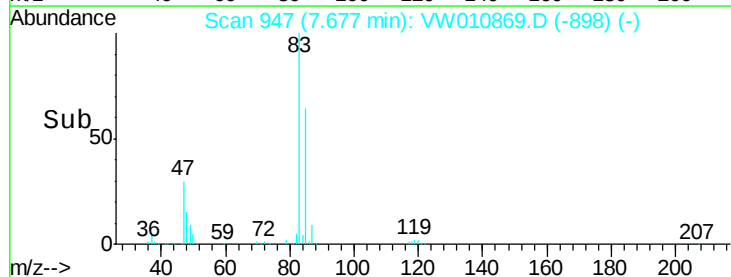
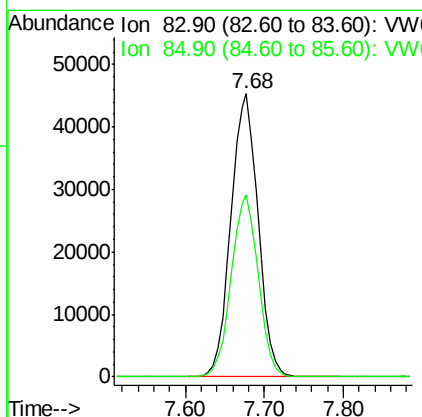
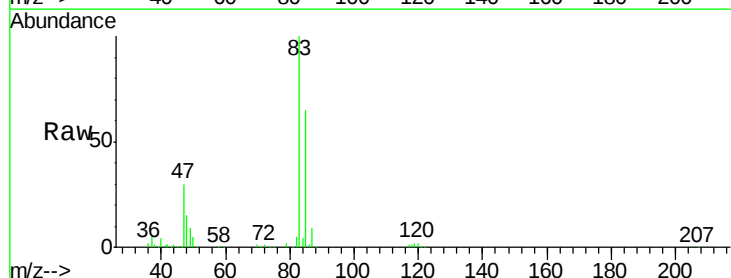
Manual Integrations
APPROVED

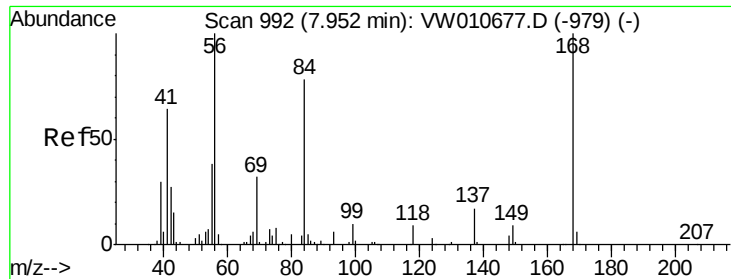
MMDadoda
6/20/2019 12:00:32 PM



#30
Chloroform
Concen: 24.118 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW010869.D
Acq: 20 Jun 2019 01:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.8	77.8





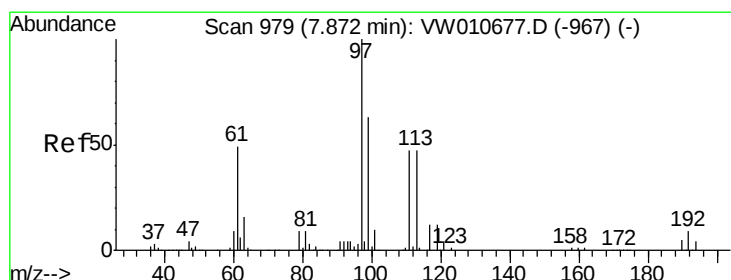
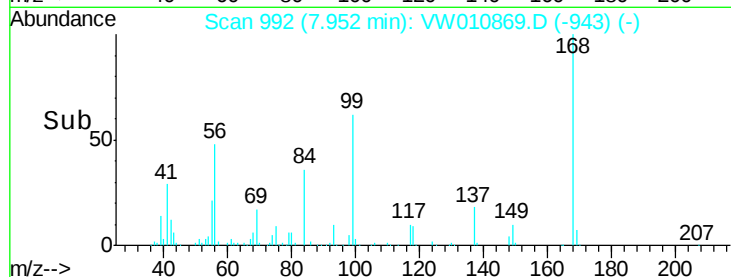
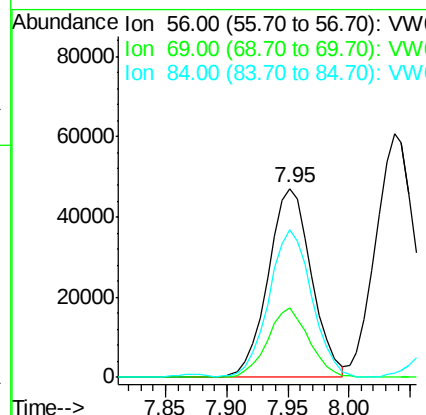
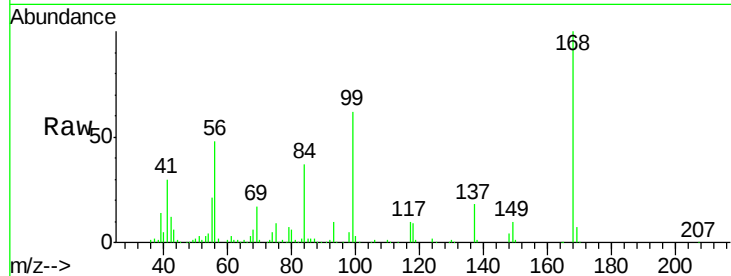
#31
Cyclohexane
Concen: 21.239 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW010869.D
Acq: 20 Jun 2019 01:48

Instrument :
MSVOA_W
ClientSampleId :
VW0619SBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.6	25.2	37.8
84	76.3	62.2	93.2

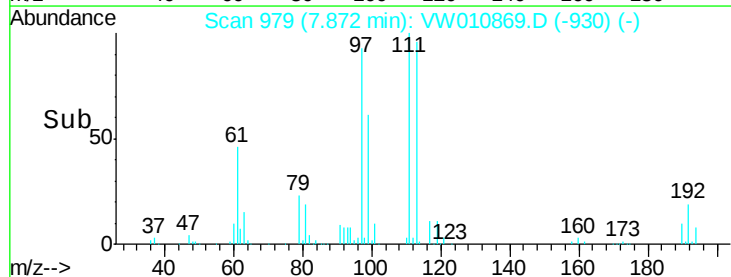
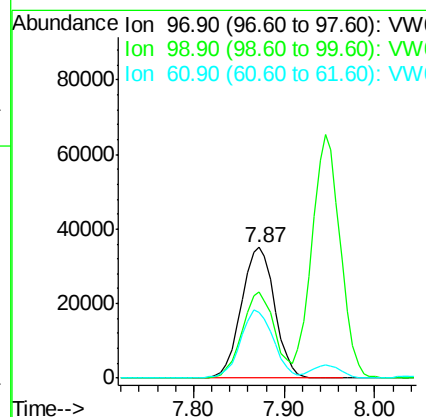
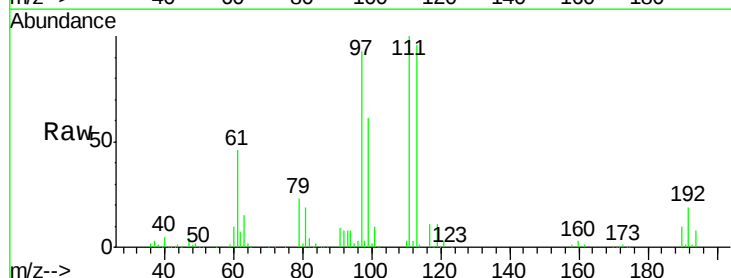
Manual Integrations
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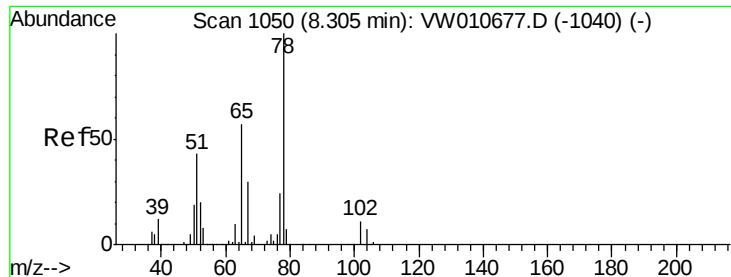
MMDadoda
6/20/2019 12:00:32 PM



#32
1,1,1-Trichloroethane
Concen: 22.755 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW010869.D
Acq: 20 Jun 2019 01:48

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.3	76.9
61	51.3	40.4	60.6





#33

1,2-Dichloroethane-d4

Concen: 57.178 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW010869.D

Acq: 20 Jun 2019 01:48

Instrument :

MSVOA_W

ClientSampleId :

VW0619SBSD02

Tot Ion: 65 Resp: 154997

Ion Ratio Lower Upper

65 100

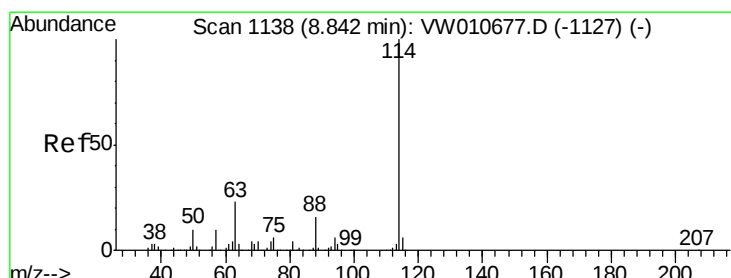
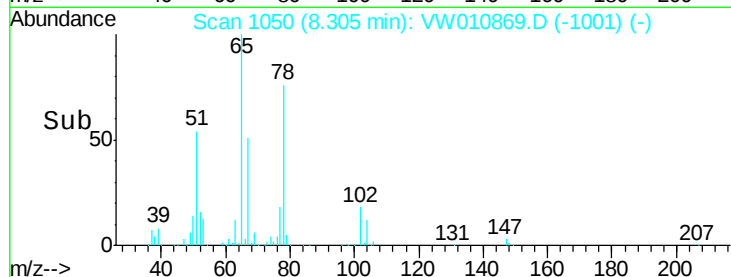
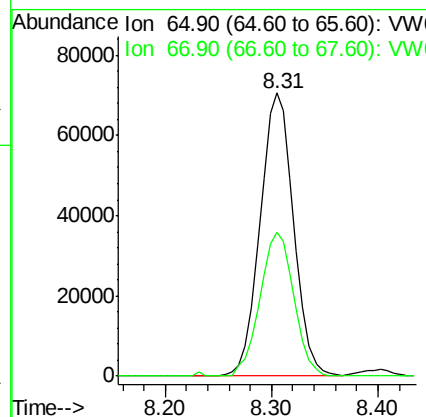
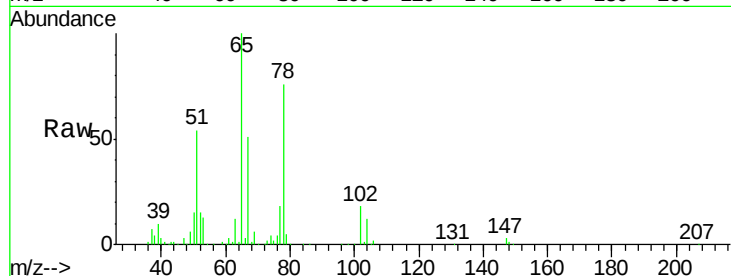
67 51.7 0.0 102.6

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW010869.D

Acq: 20 Jun 2019 01:48

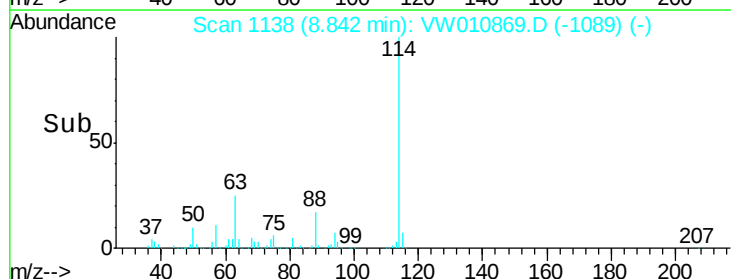
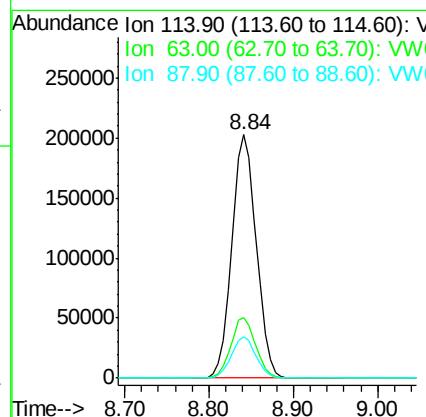
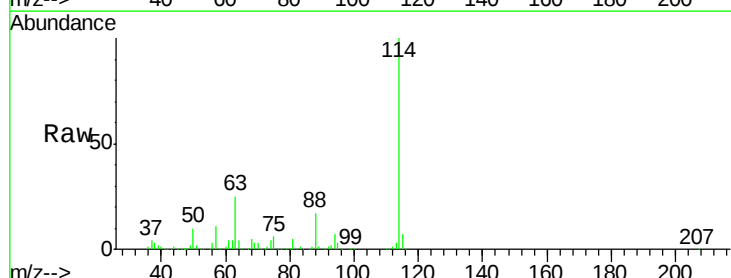
Tgt Ion: 114 Resp: 399867

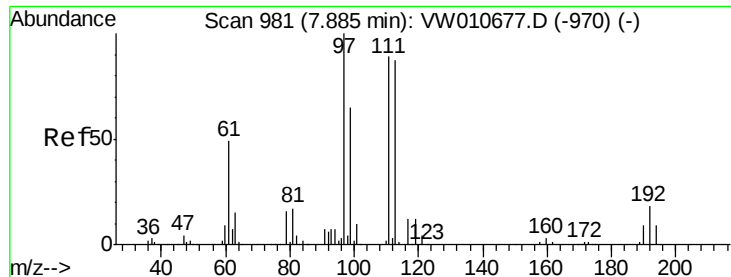
Ion Ratio Lower Upper

114 100

63 24.7 0.0 46.4

88 17.0 0.0 32.2





#35

Dibromofluoromethane

Concen: 52.756 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW010869.D

Acq: 20 Jun 2019 01:48

Instrument :

MSVOA_W

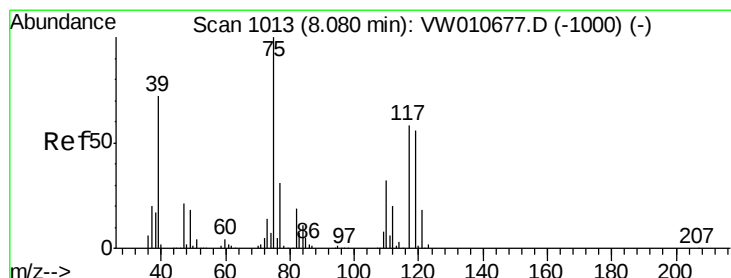
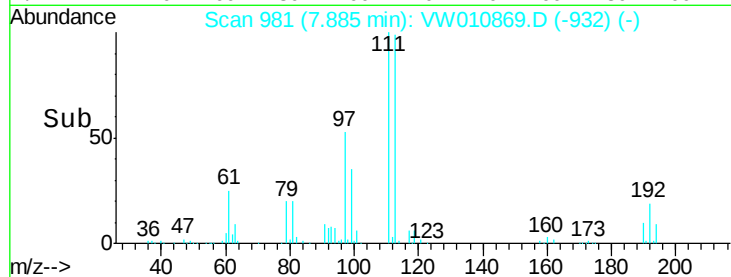
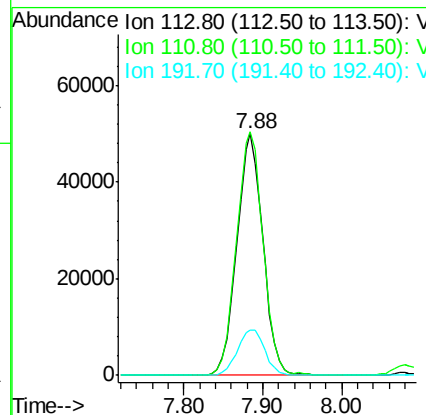
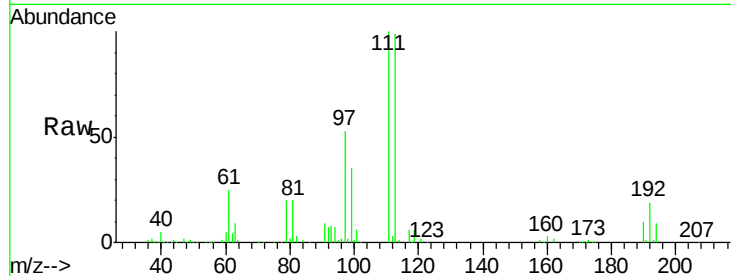
ClientSampleId :

VW0619SBS02

Tot Ion:	113	Resp:	114501
Ion Ratio	Lower	Upper	
113	100		
111	103.0	82.6	123.8
192	19.8	16.4	24.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 20.973 ug/l

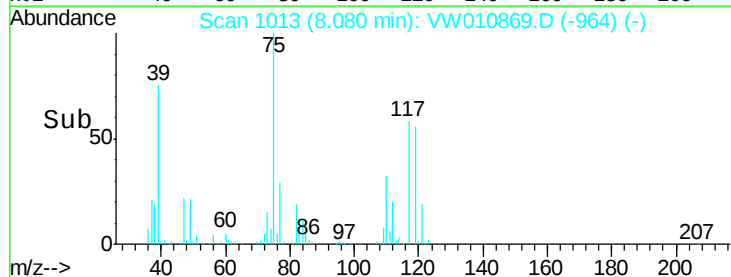
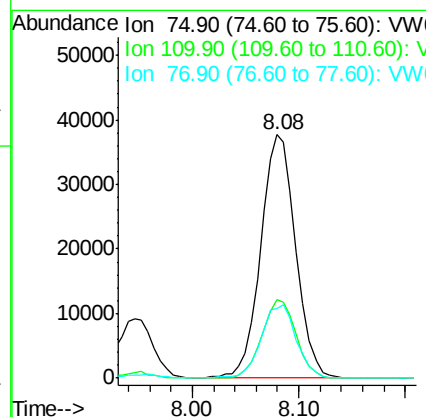
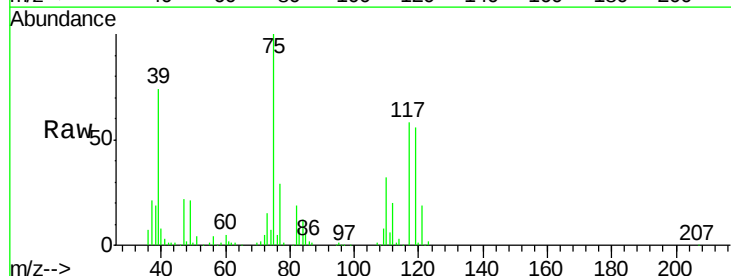
RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW010869.D

Acq: 20 Jun 2019 01:48

Tgt Ion:	75	Resp:	85845
Ion Ratio	Lower	Upper	
75	100		
110	31.5	15.8	47.3
77	30.8	24.7	37.1





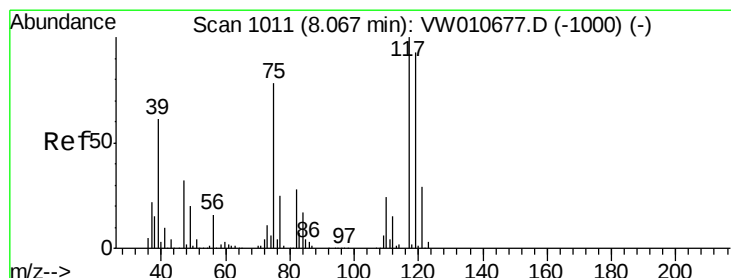
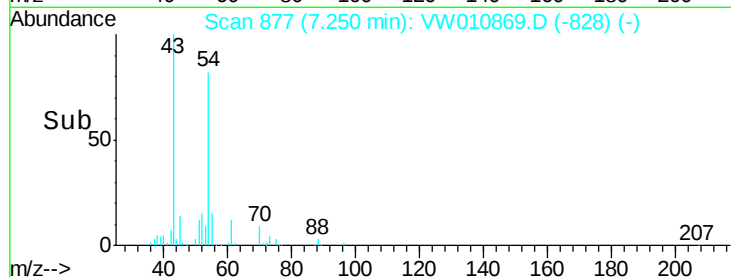
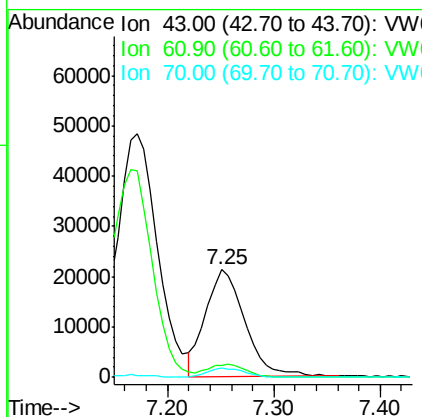
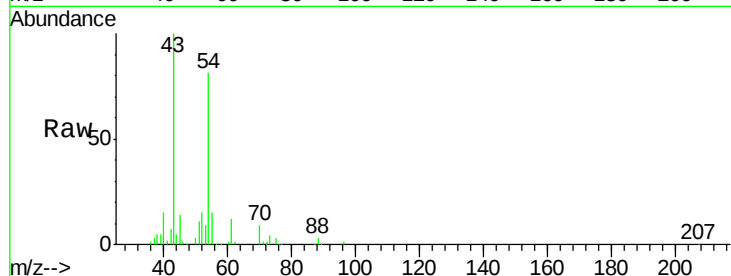
#37
Ethyl Acetate
Concen: 23.825 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW010869.D
Acq: 20 Jun 2019 01:48

Instrument :
MSVOA_W
ClientSampleId :
VW0619SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.7	9.7	14.5
70	8.8	7.2	10.8

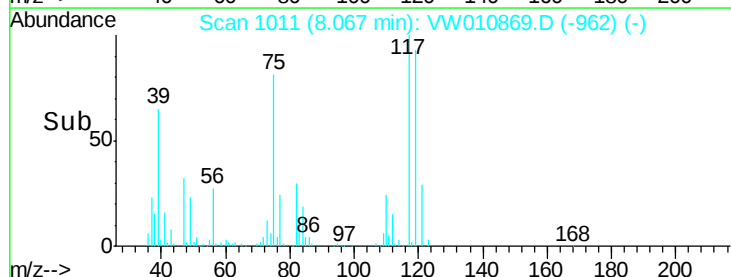
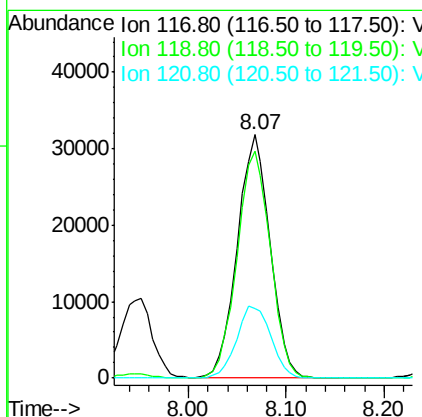
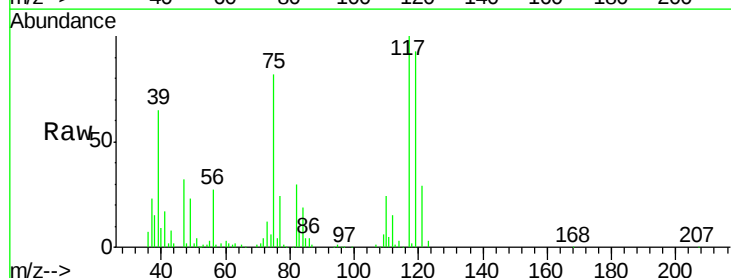
Manual Integrations
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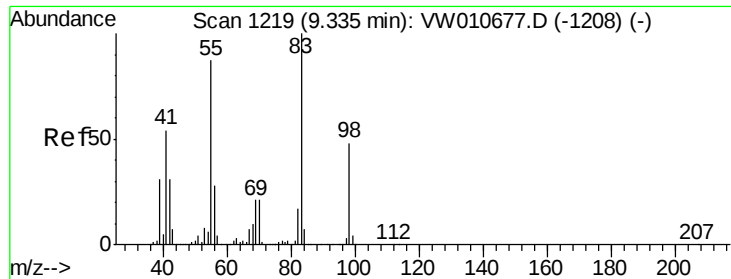
MMDadoda
6/20/2019 12:00:32 PM



#38
Carbon Tetrachloride
Concen: 21.006 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW010869.D
Acq: 20 Jun 2019 01:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.0	74.2	111.4
121	28.6	22.9	34.3





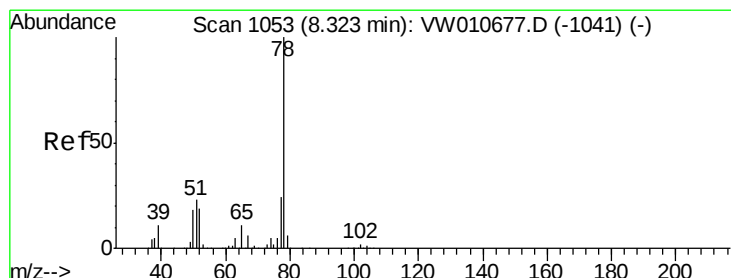
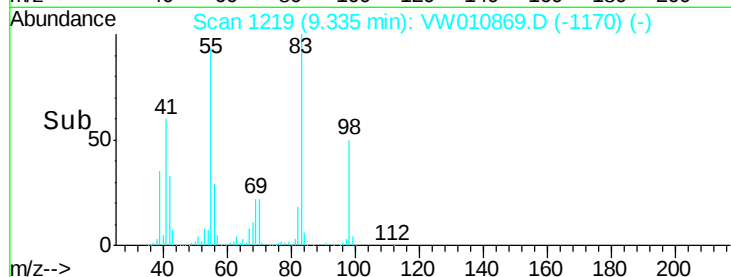
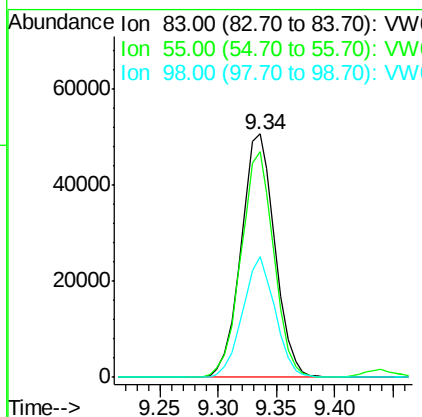
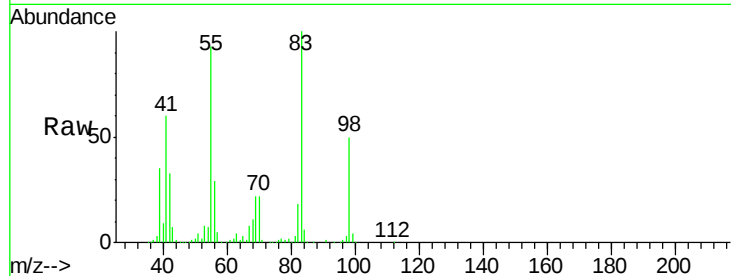
#39
Methvlcvclohexane
Concen: 19.702 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW010869.D
Acq: 20 Jun 2019 01:48

Instrument :
MSVOA_W
ClientSampleId :
VW0619SBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	92.7	70.0	105.0
98	49.6	38.1	57.1

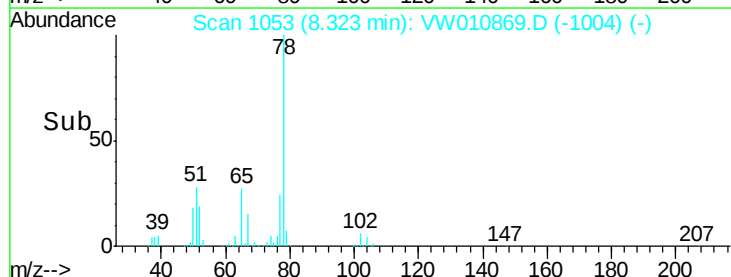
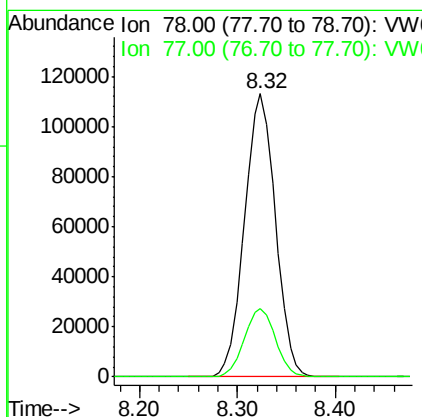
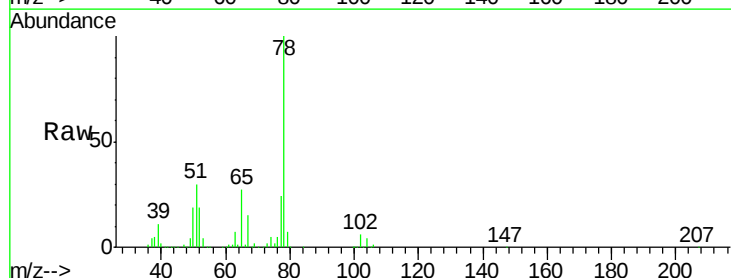
Manual Integrations
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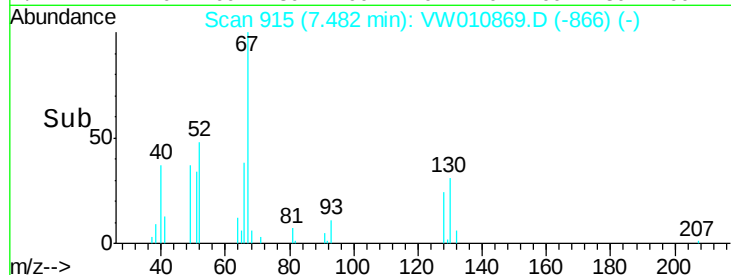
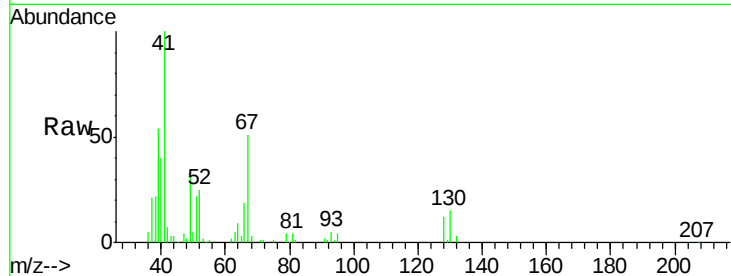
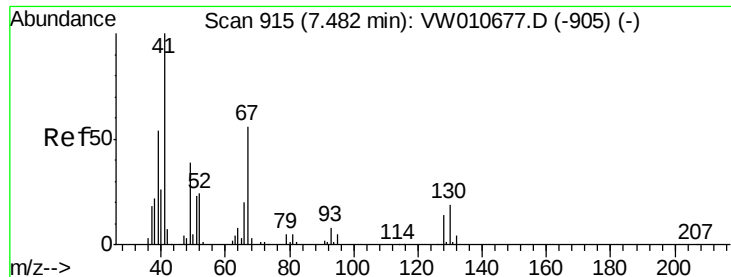
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#40
Benzene
Concen: 22.209 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW010869.D
Acq: 20 Jun 2019 01:48

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.1	28.7





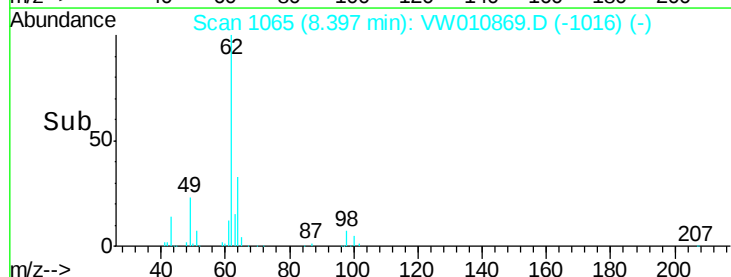
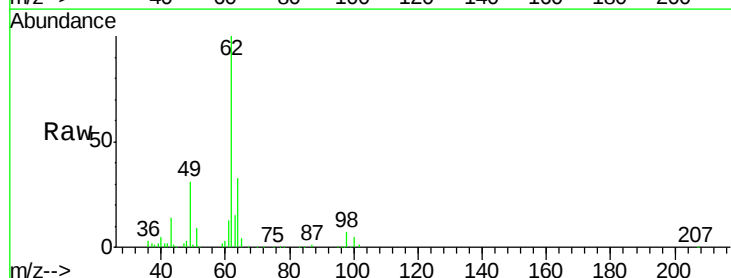
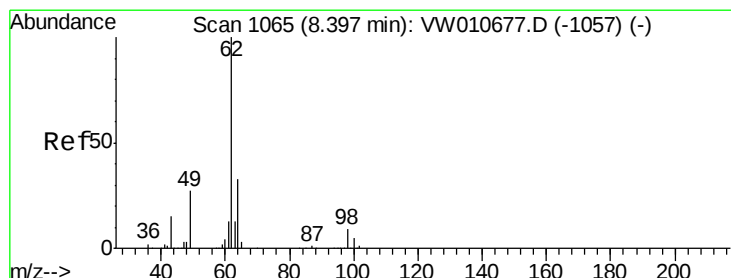
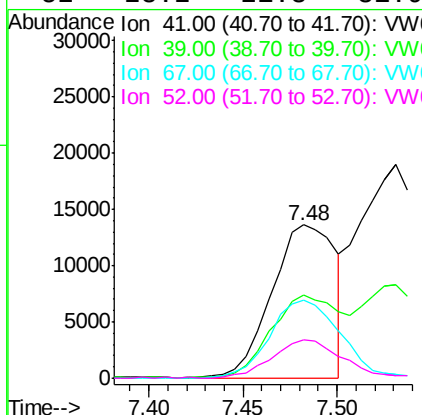
#41
Methacrylonitrile
Concen: 23.752 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW010869.D
Acq: 20 Jun 2019 01:48

Tot Ion	Ratio	Lower	Upper
41	100		
39	60.9	47.3	70.9
67	57.0	47.2	70.8
52	28.2	21.3	31.9

Instrument :
MSVOA_W
ClientSampleId :
VW0619SBS02

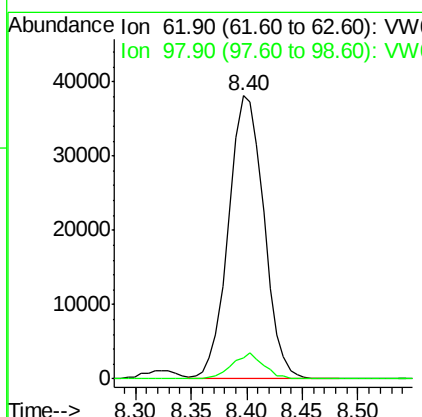
Manual Integrations
APPROVED

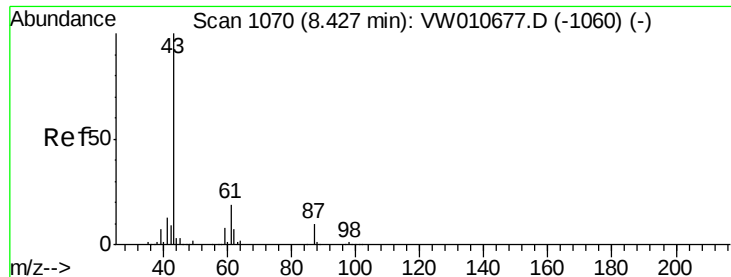
MMDadoda
6/20/2019 12:00:32 PM



#42
1,2-Dichloroethane
Concen: 23.743 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW010869.D
Acq: 20 Jun 2019 01:48

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	17.2





#43

Isopropyl Acetate

Concen: 23.923 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW010869.D

Acq: 20 Jun 2019 01:48

Instrument :

MSVOA_W

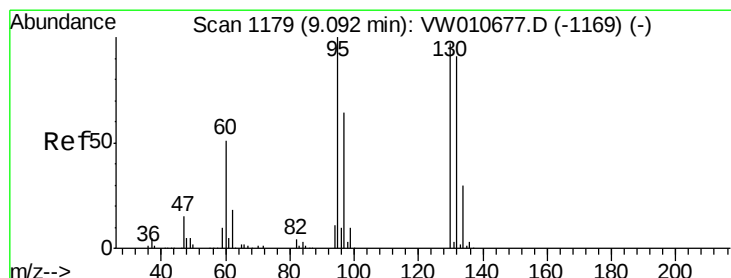
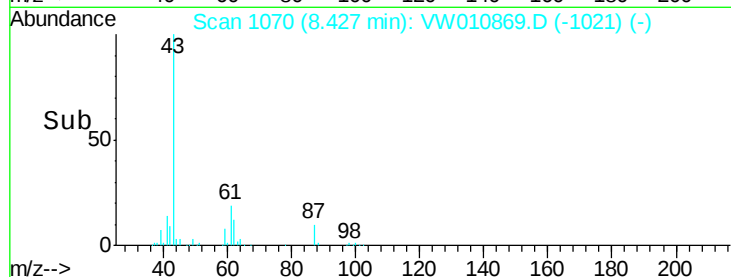
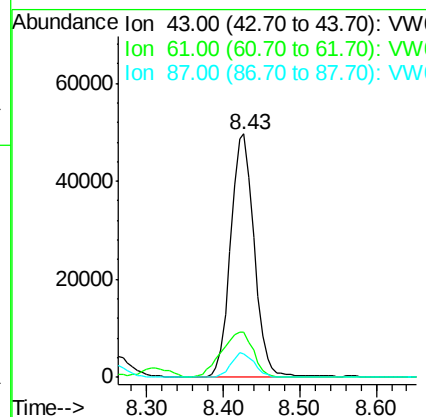
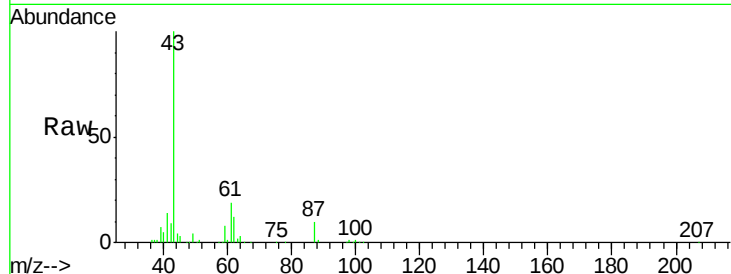
ClientSampleId :

VW0619SBS02

Tot Ion:	43	Resp:	104828
Ion	Ratio	Lower	Upper
43	100		
61	25.2	21.2	31.8
87	10.1	8.3	12.5

Manual Integrations
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#44

Trichloroethene

Concen: 21.588 ug/l

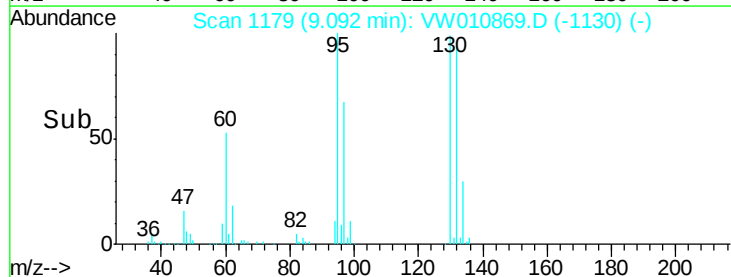
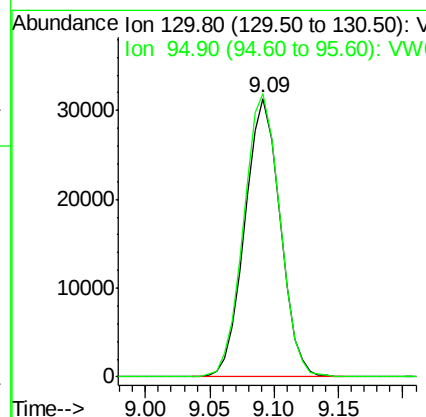
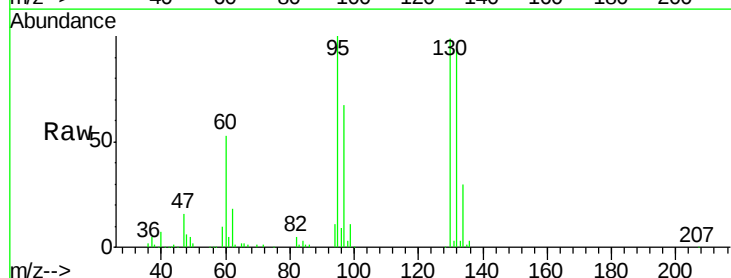
RT: 9.09 min Scan# 1179

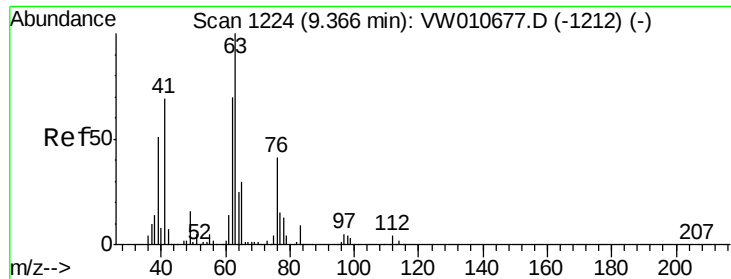
Delta R.T. 0.00 min

Lab File: VW010869.D

Acq: 20 Jun 2019 01:48

Tgt Ion:	130	Resp:	59462
Ion	Ratio	Lower	Upper
130	100		
95	101.5	0.0	207.0





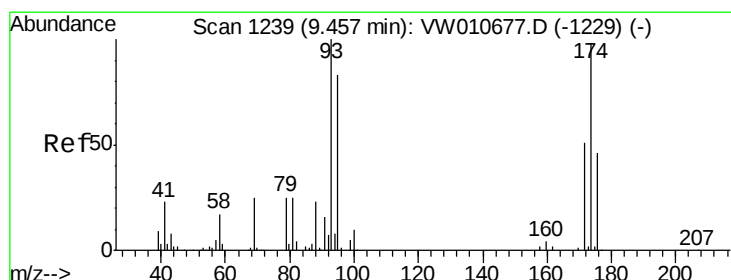
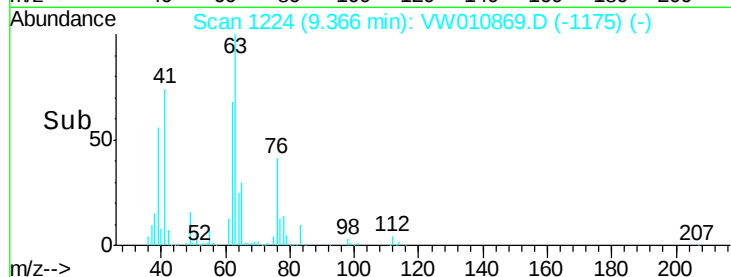
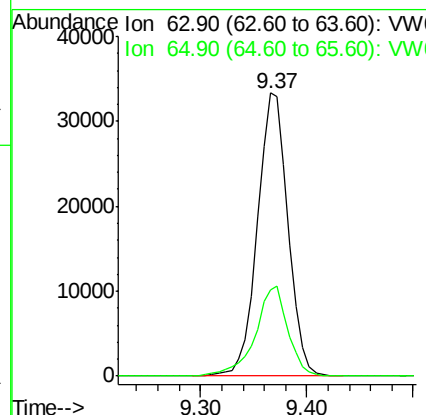
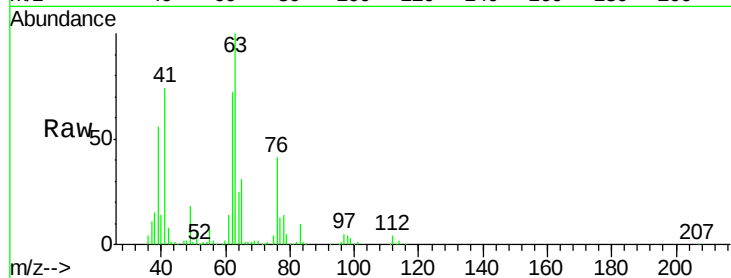
#45
 1,2-Dichloropropane
 Concen: 22.713 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW010869.D
 Acq: 20 Jun 2019 01:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0619SBS02

Tot Ion: 63 Resp: 67135
 Ion Ratio Lower Upper
 63 100
 65 30.7 23.8 35.6

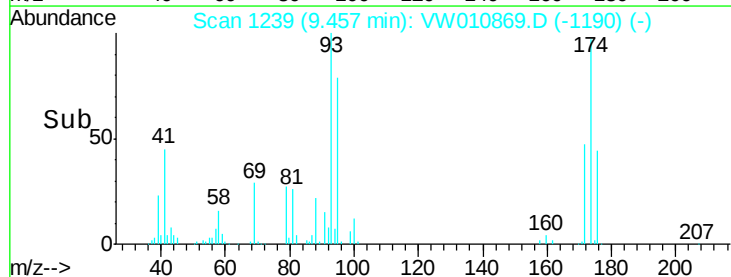
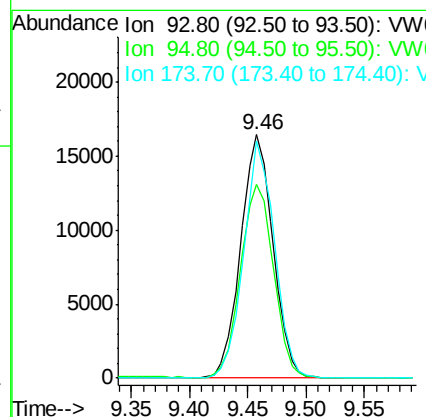
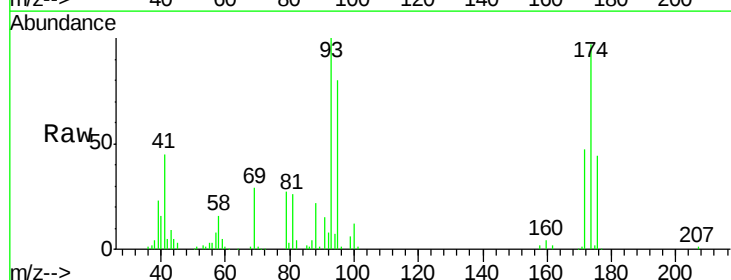
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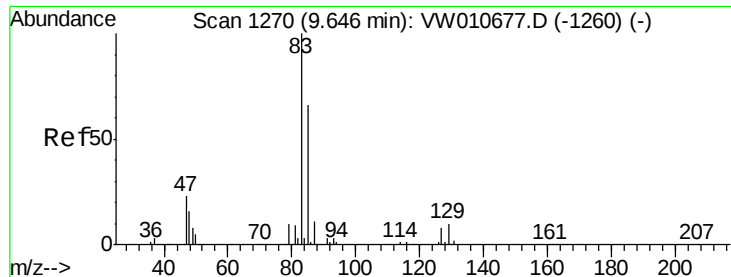
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#46
 Dibromomethane
 Concen: 23.254 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW010869.D
 Acq: 20 Jun 2019 01:48

Tgt Ion: 93 Resp: 31926
 Ion Ratio Lower Upper
 93 100
 95 81.4 65.8 98.8
 174 92.9 77.4 116.0





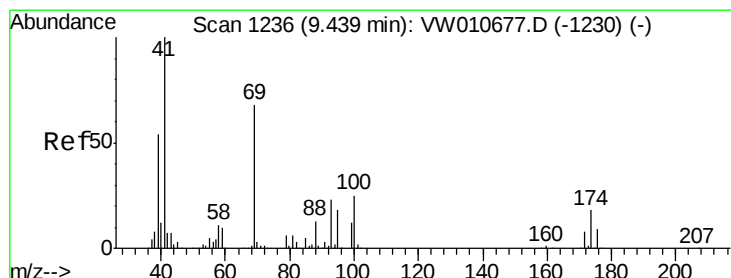
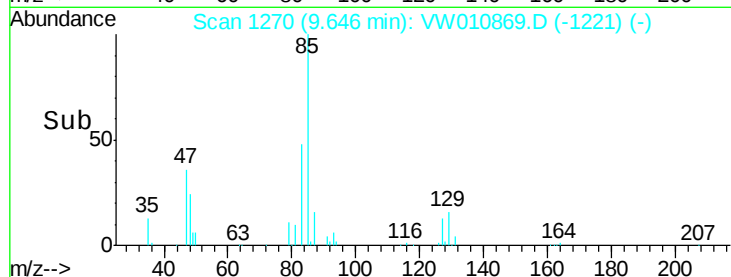
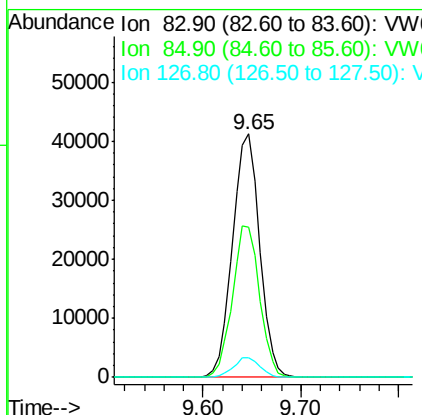
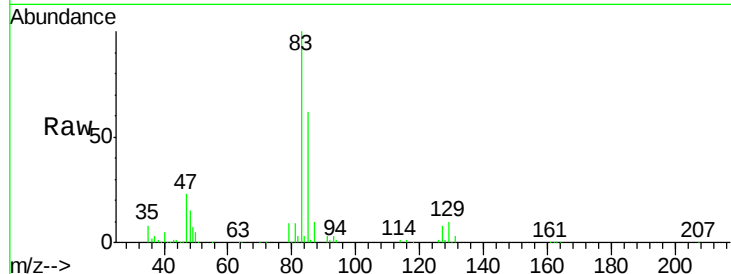
#47
Bromodichloromethane
Concen: 22.330 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW010869.D
Acq: 20 Jun 2019 01:48

Instrument :
MSVOA_W
ClientSampleId :
VW0619SBS02

Tot Ion	83	Resp	79467
Ion Ratio	100	Lower	Upper
83	100		
85	61.7	53.0	79.4
127	8.0	6.4	9.6

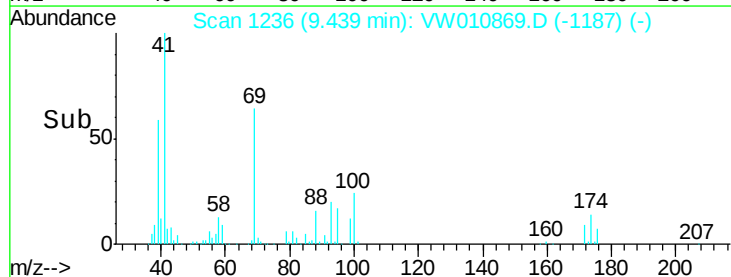
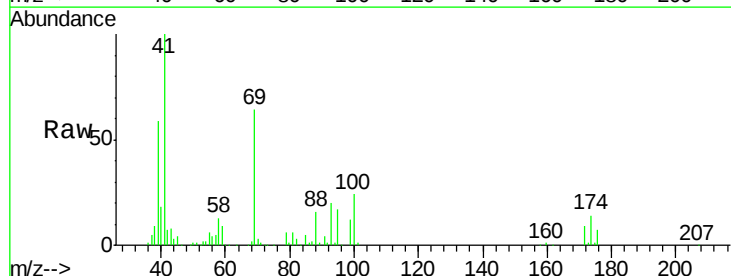
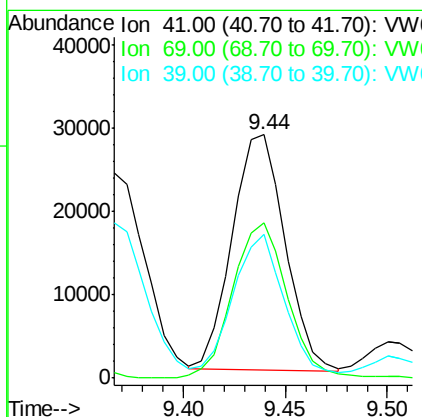
Manual Integrations
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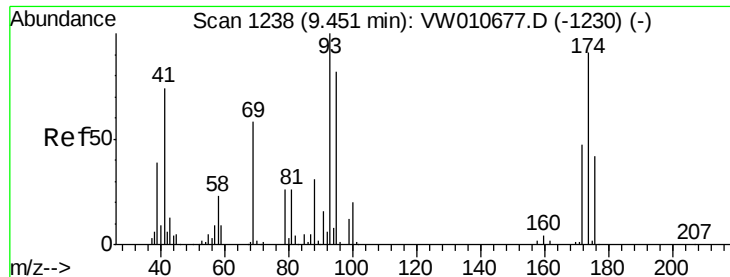
MMDadoda
6/20/2019 12:00:32 PM



#48
Methyl methacrylate
Concen: 24.202 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW010869.D
Acq: 20 Jun 2019 01:48

Tgt Ion	41	Resp	51133
Ion Ratio	100	Lower	Upper
41	100		
69	68.5	56.6	85.0
39	59.7	44.4	66.6





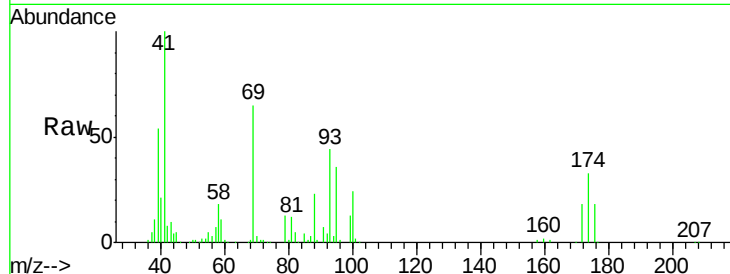
#49
1,4-Dioxane
Concen: 497.279 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VW010869.D
Acq: 20 Jun 2019 01:48

Instrument :
MSVOA_W
ClientSampleId :
VW0619SBS02

Tot Ion	88	Resp	10674
Ion	Ratio	Lower	Upper
88	100		
43	43.2	34.2	51.4
58	82.2	69.0	103.4

Manual Integrations
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6/20/2019 12:00:32 PM

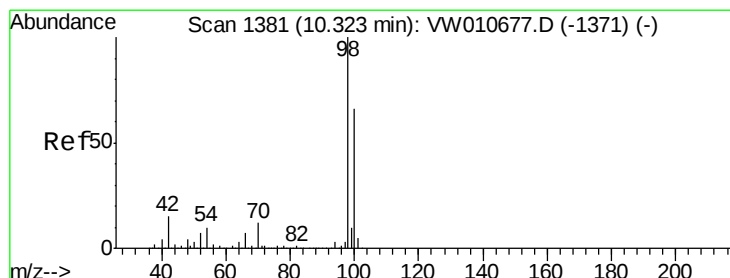
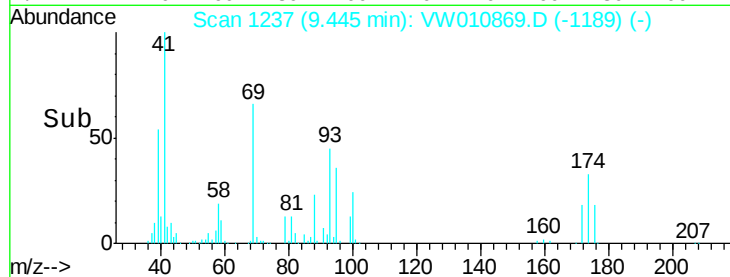
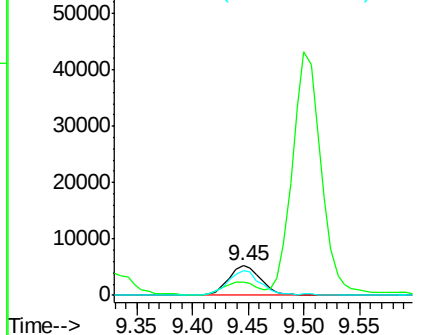


Abundance

Ion 88.00 (87.70 to 88.70): VW

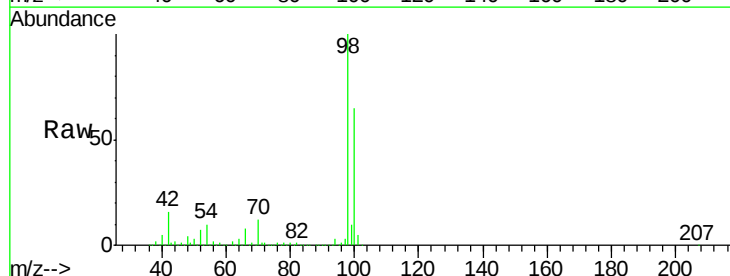
Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50
Toluene-d8
Concen: 49.615 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW010869.D
Acq: 20 Jun 2019 01:48

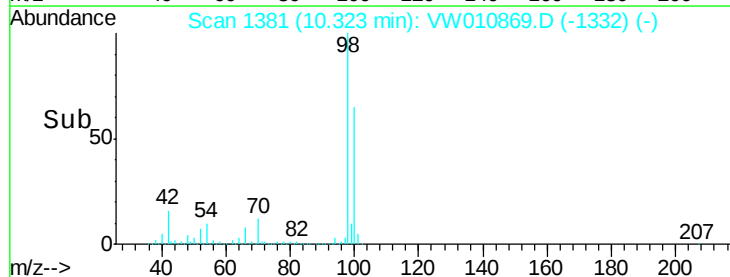
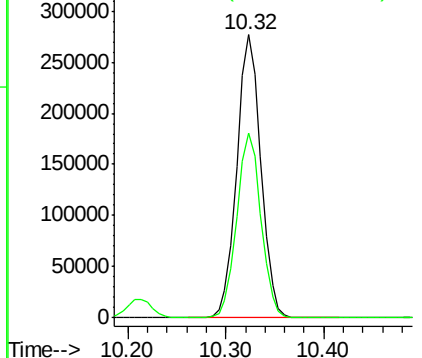
Tgt Ion	98	Resp	472208
Ion	Ratio	Lower	Upper
98	100		
100	65.6	53.0	79.6

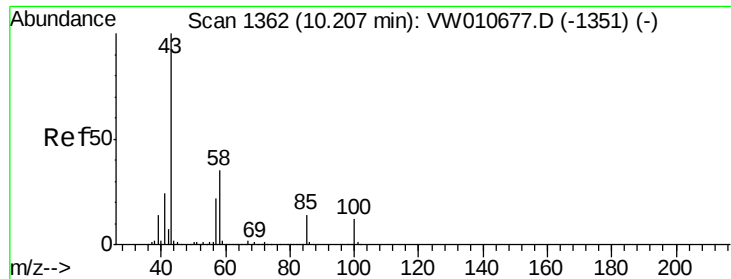


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 123.343 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW010869.D

Acq: 20 Jun 2019 01:48

Instrument :

MSVOA_W

ClientSampleId :

VW0619SBS02

Tot Ion: 43 Resp: 276116

Ion Ratio Lower Upper

43 100

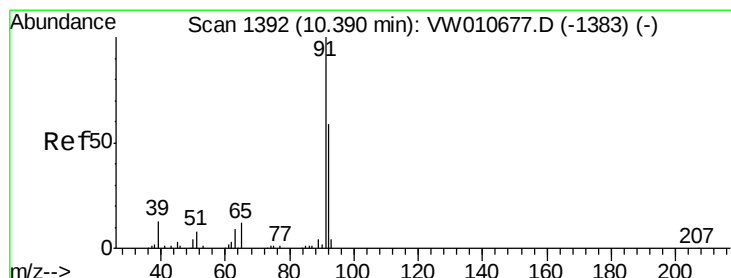
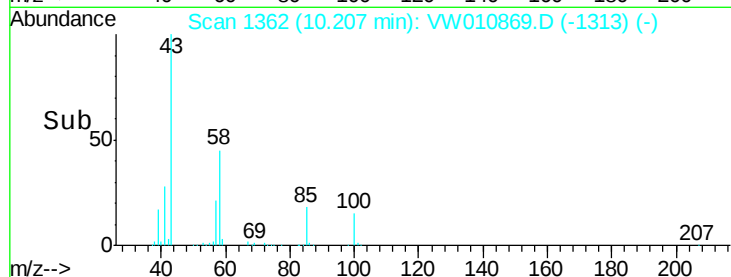
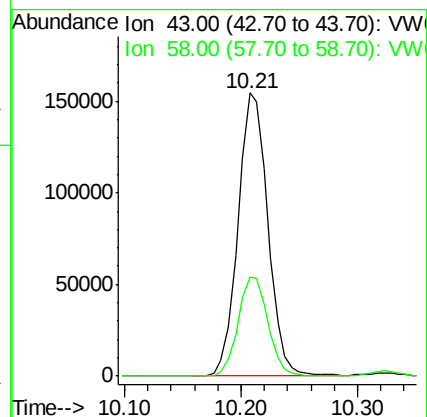
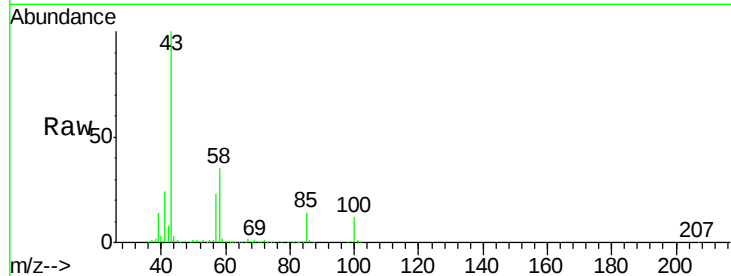
58 35.3 28.4 42.6

Manual Integrations

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#52

Toluene

Concen: 21.944 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW010869.D

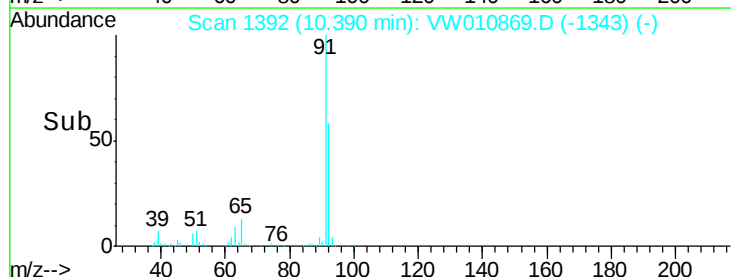
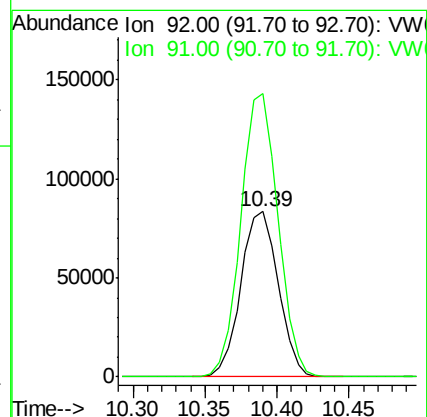
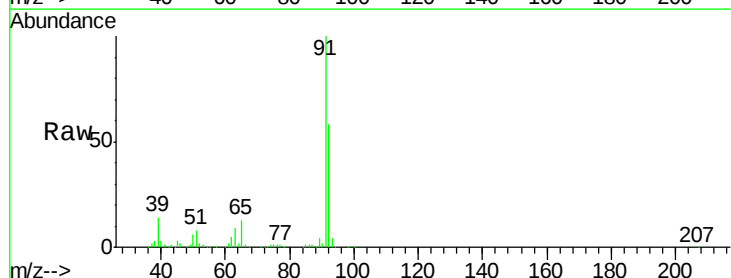
Acq: 20 Jun 2019 01:48

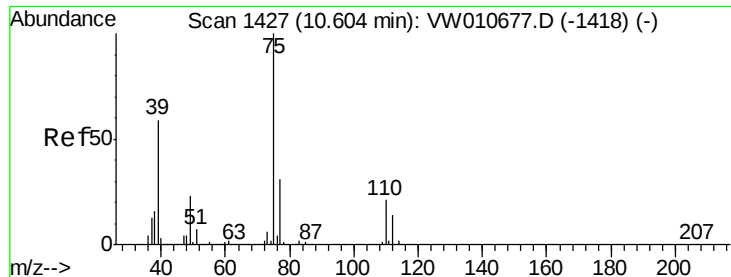
Tgt Ion: 92 Resp: 150765

Ion Ratio Lower Upper

92 100

91 170.4 134.9 202.3





#53

t-1,3-Dichloropropene

Concen: 20.760 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW010869.D

Acq: 20 Jun 2019 01:48

Instrument :

MSVOA_W

ClientSampleID :

VW0619SBS02

Tot Ion: 75 Resp: 78256

Ion Ratio Lower Upper

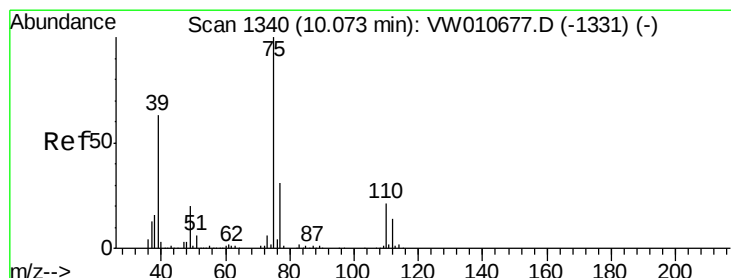
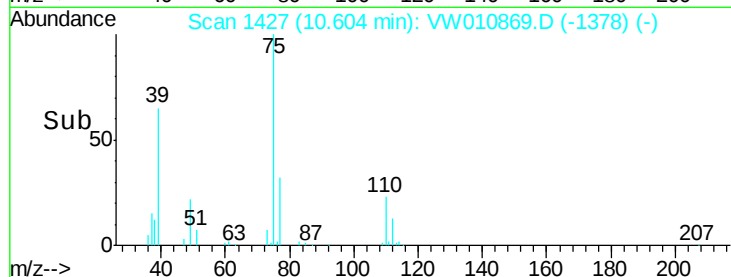
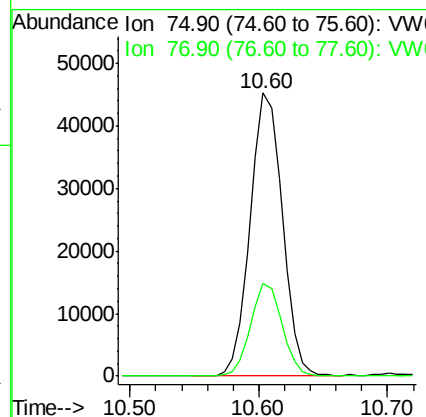
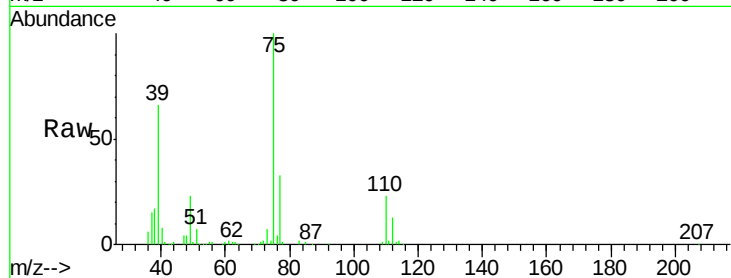
75 100

77 32.5 24.6 36.8

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 21.455 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW010869.D

Acq: 20 Jun 2019 01:48

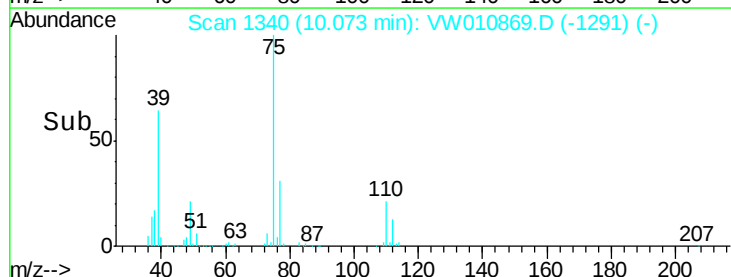
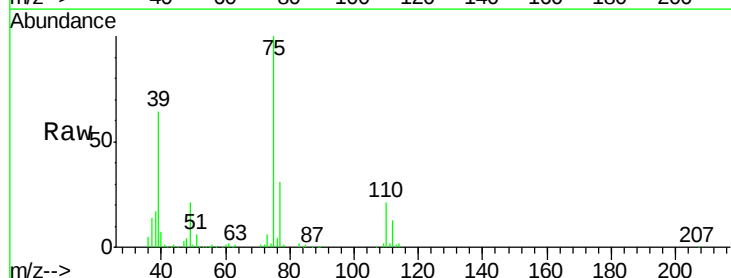
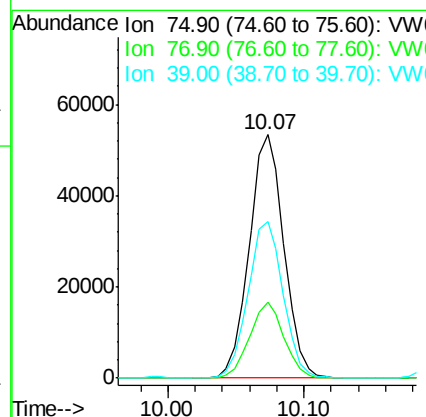
Tgt Ion: 75 Resp: 95167

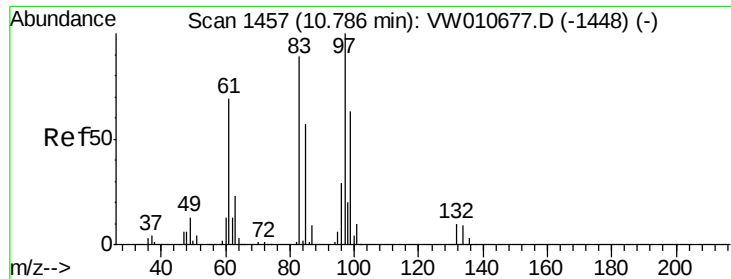
Ion Ratio Lower Upper

75 100

77 31.2 25.2 37.8

39 64.1 50.1 75.1





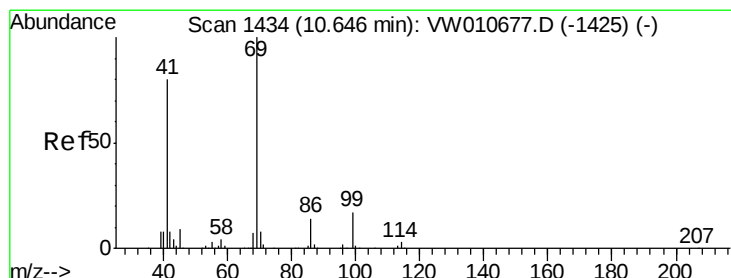
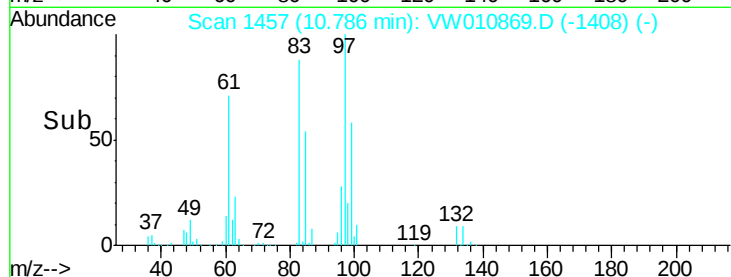
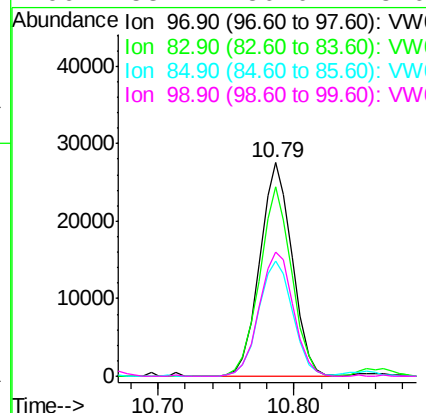
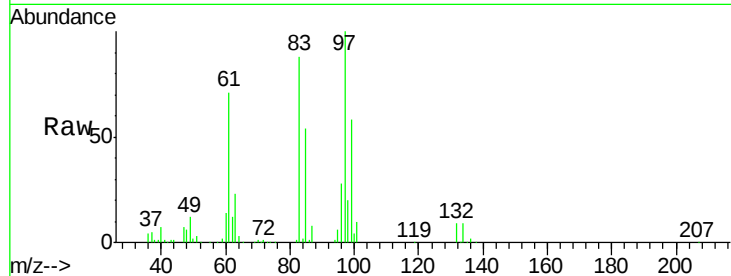
#55
 1,1,2-Trichloroethane
 Concen: 23.240 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW010869.D
 Acq: 20 Jun 2019 01:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0619SBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	97	100	45964		
83	83	88.4	71.1	106.7	
85	85	54.0	45.2	67.8	
99	99	58.2	50.0	75.0	

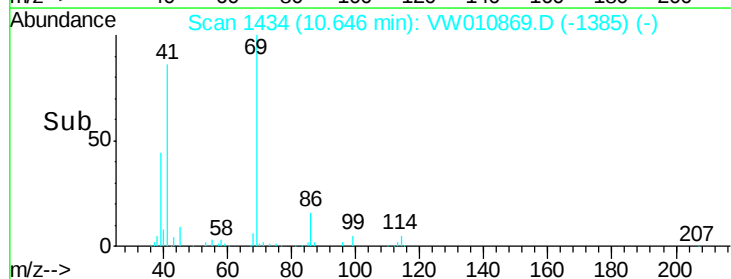
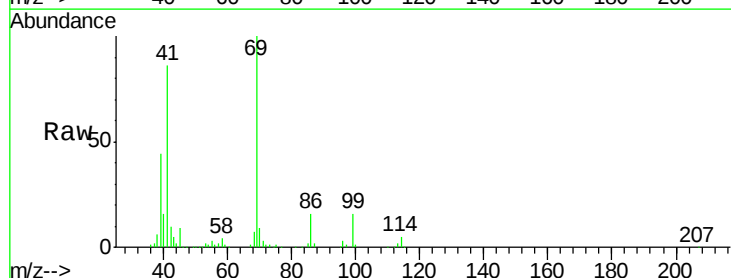
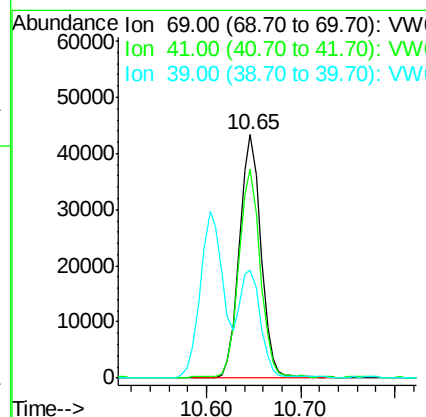
Manual Integrations
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 6/20/2019 12:00:32 PM



#56
 Ethyl methacrylate
 Concen: 22.813 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW010869.D
 Acq: 20 Jun 2019 01:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	69	100	69429		
41	41	83.7	64.8	97.2	
39	39	43.2	32.2	48.2	





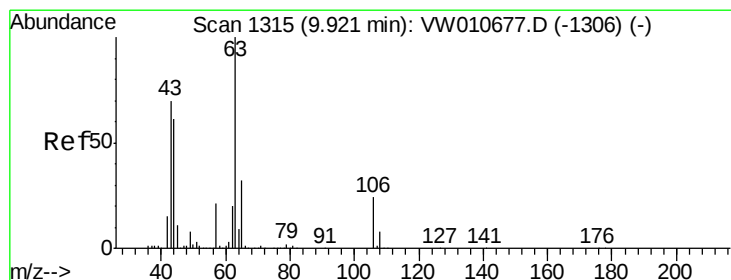
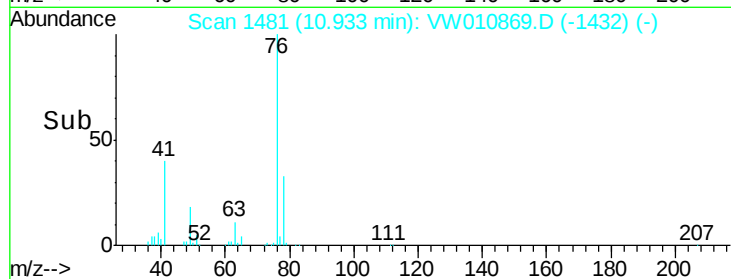
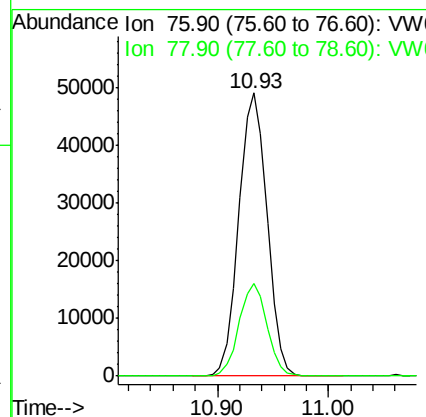
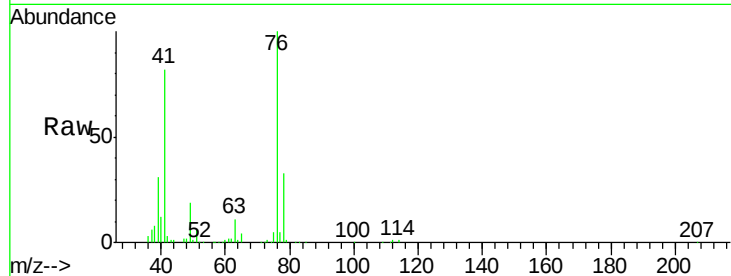
#57
 1,3-Dichloropropane
 Concen: 23.140 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW010869.D
 Acq: 20 Jun 2019 01:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0619SBS02

Tot Ion: 76 Resp: 86248
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.7 38.5

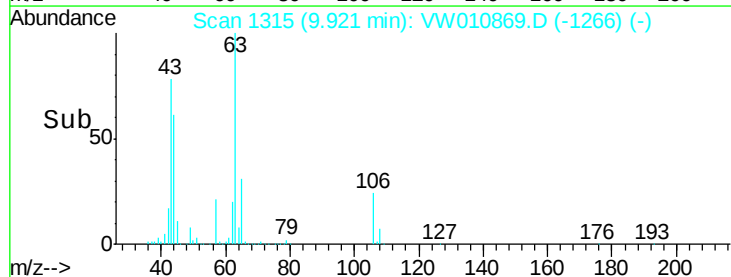
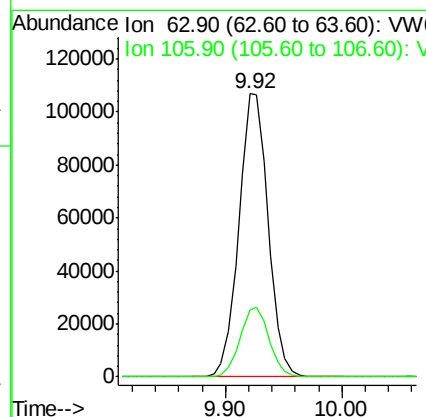
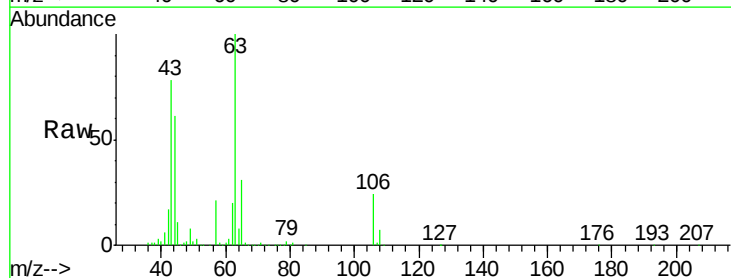
Manual Integrations
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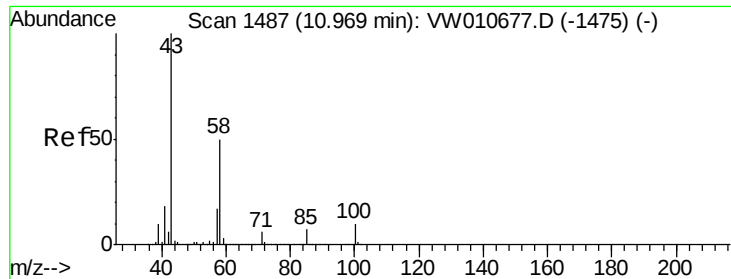
MMDadoda
 6/20/2019 12:00:32 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 117.258 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW010869.D
 Acq: 20 Jun 2019 01:48

Tgt Ion: 63 Resp: 186913
 Ion Ratio Lower Upper
 63 100
 106 24.4 20.1 30.1





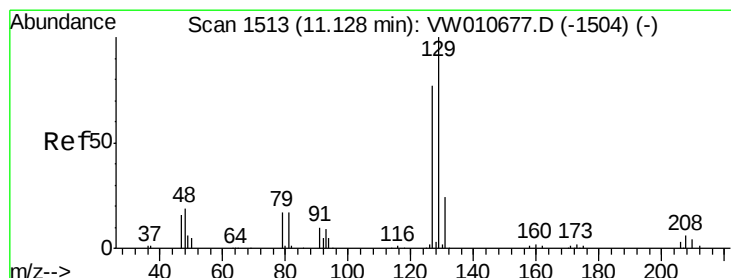
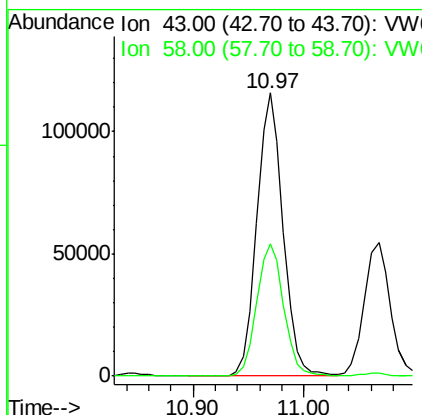
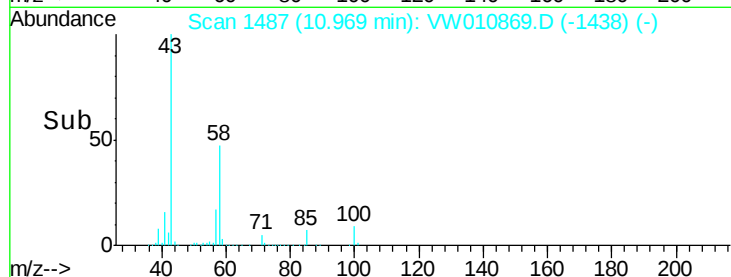
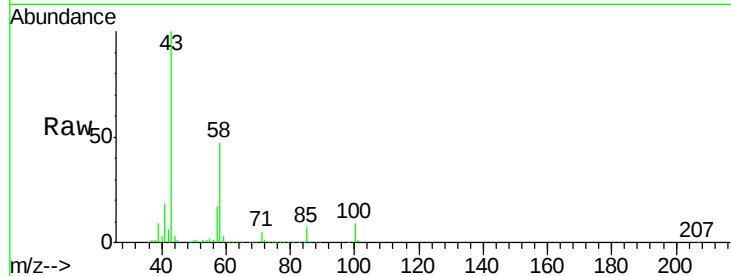
#59
2-Hexanone
Concen: 117.180 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW010869.D
Acq: 20 Jun 2019 01:48

Instrument :
MSVOA_W
ClientSampleId :
VW0619SBSD02

Tot Ion: 43 Resp: 189585
Ion Ratio Lower Upper
43 100
58 48.2 24.9 74.6

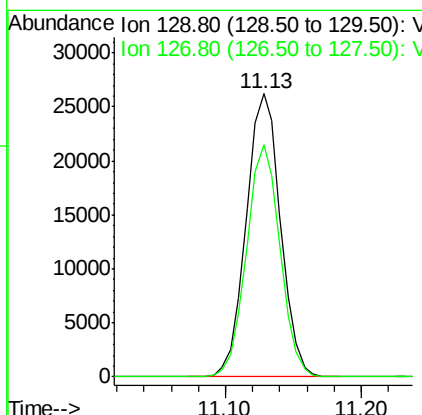
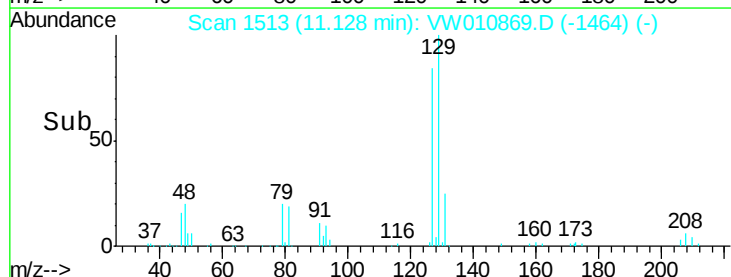
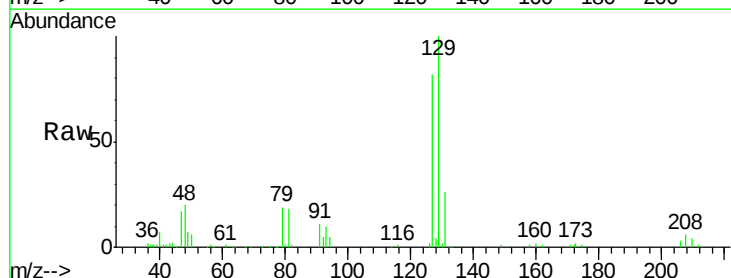
Manual Integrations
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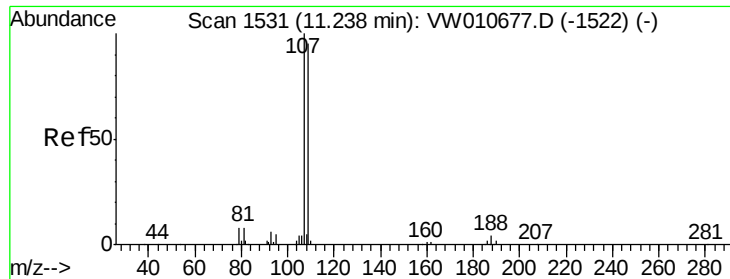
MMDadoda
6/20/2019 12:00:32 PM



#60
Dibromochloromethane
Concen: 21.193 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW010869.D
Acq: 20 Jun 2019 01:48

Tgt Ion:129 Resp: 46464
Ion Ratio Lower Upper
129 100
127 80.0 38.6 116.0





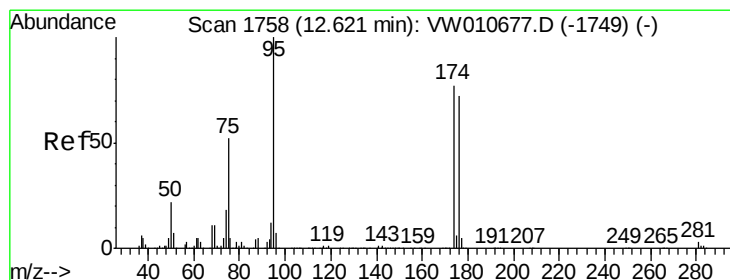
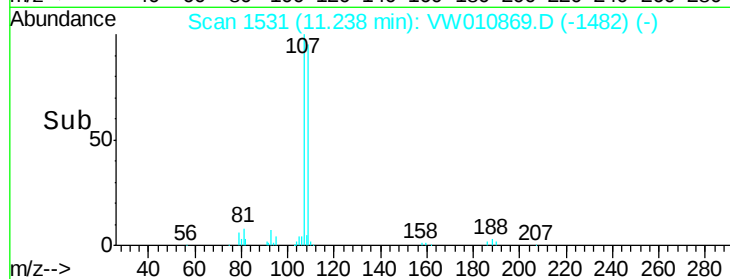
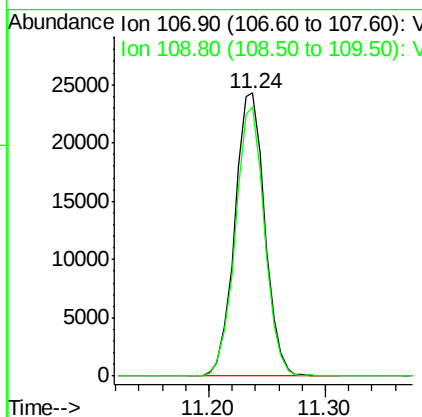
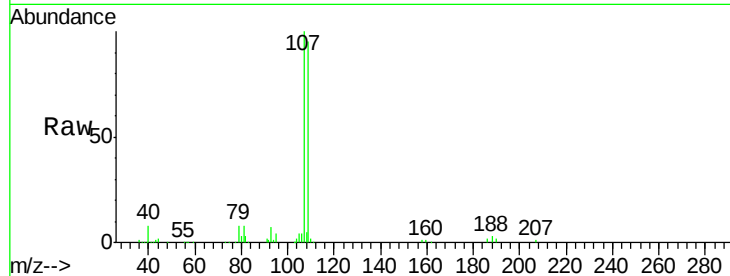
#61
 1,2-Dibromoethane
 Concen: 23.272 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW010869.D
 Acq: 20 Jun 2019 01:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0619SBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.9	75.8	113.8

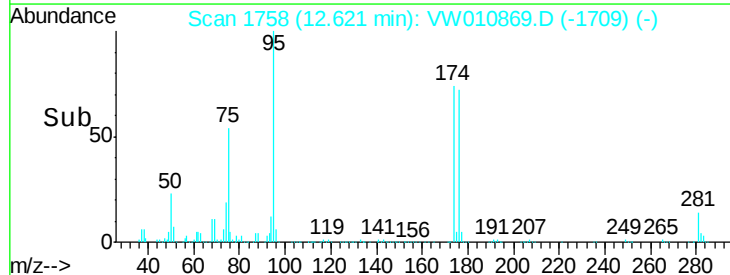
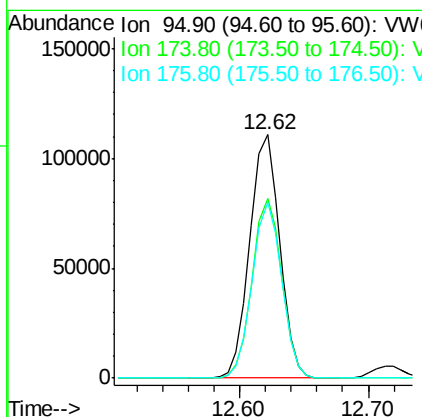
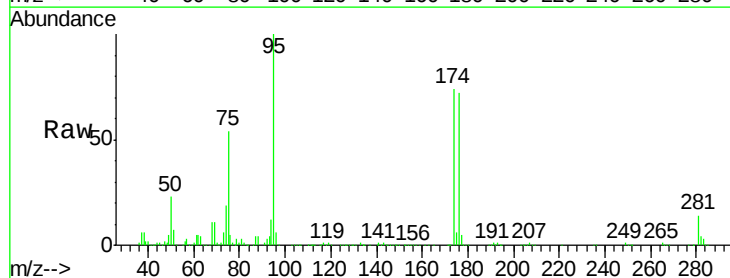
Manual Integrations
 APPROVED

MMDadoda
 6/20/2019 12:00:32 PM



#62
 4-Bromofluorobenzene
 Concen: 51.294 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW010869.D
 Acq: 20 Jun 2019 01:48

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.0	0.0	150.4
176	71.2	0.0	144.8





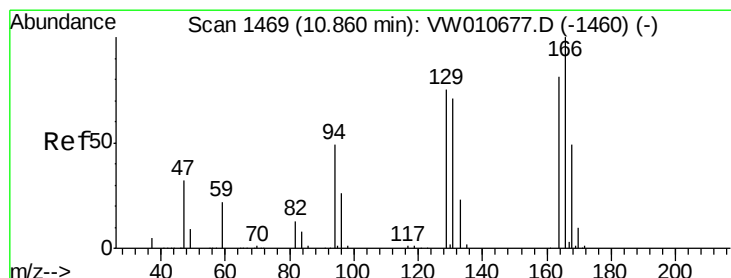
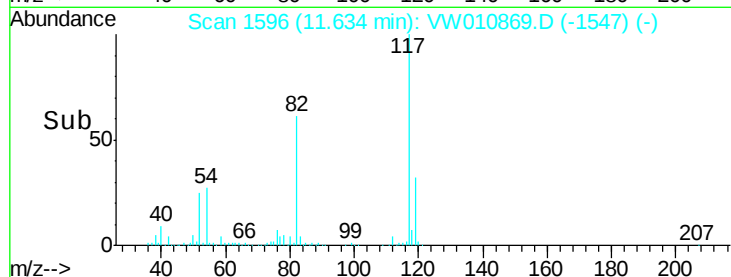
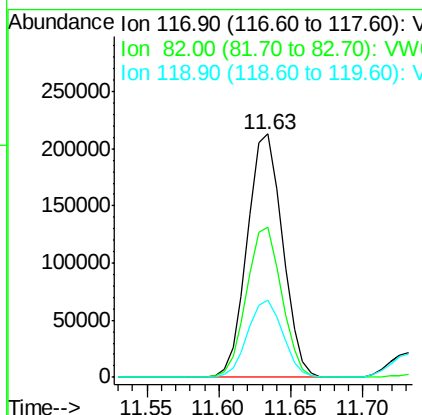
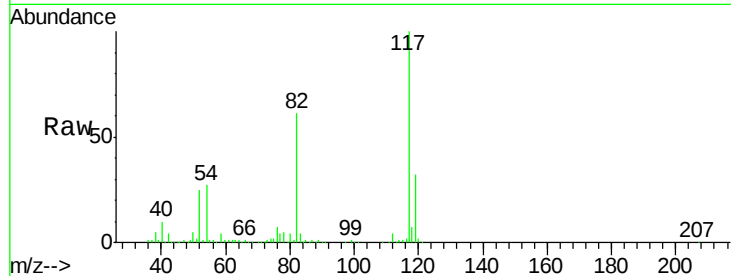
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010869.D
Acq: 20 Jun 2019 01:48

Instrument :
MSVOA_W
ClientSampleId :
VW0619SBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.5	47.0	70.4
119	31.8	25.1	37.7

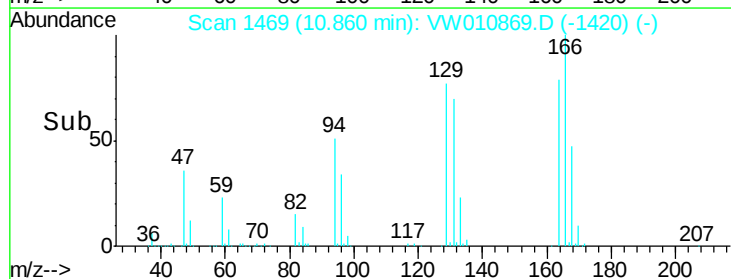
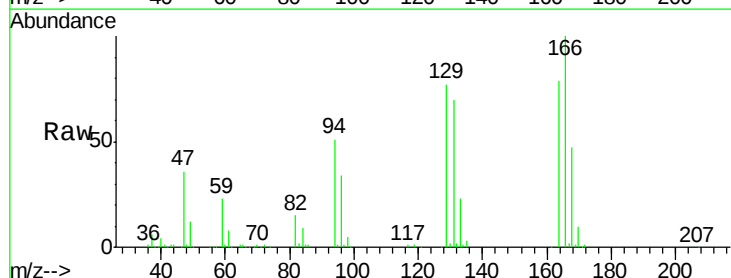
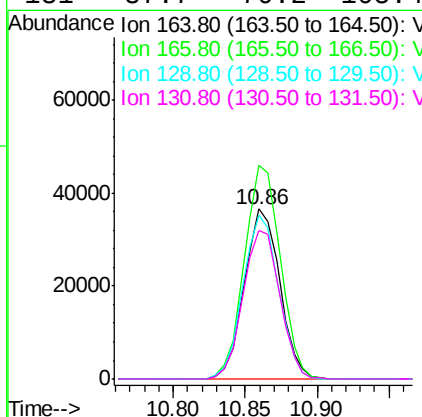
Manual Integrations
APPROVED

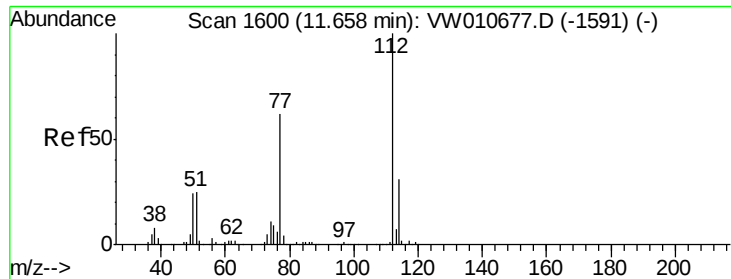
MMDadoda
6/20/2019 12:00:32 PM



#64
Tetrachloroethene
Concen: 25.960 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW010869.D
Acq: 20 Jun 2019 01:48

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.9	99.2	148.8
129	96.4	74.6	112.0
131	87.7	70.2	105.4





#65

Chlorobenzene

Concen: 21.568 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW010869.D

Acq: 20 Jun 2019 01:48

Instrument :

MSVOA_W

ClientSampleId :

VW0619SBS02

Tot Ion:112 Resp: 153329

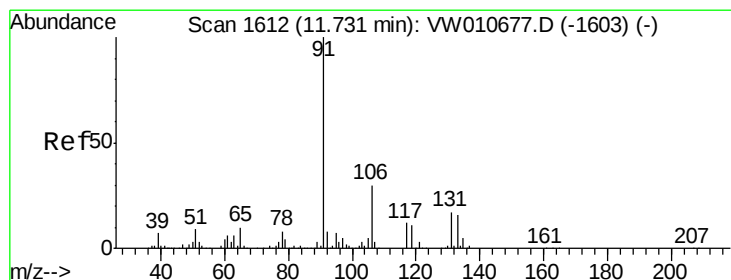
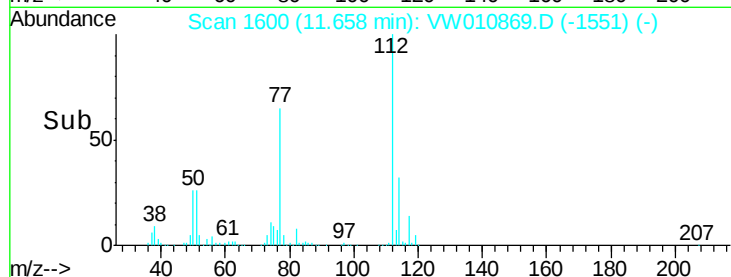
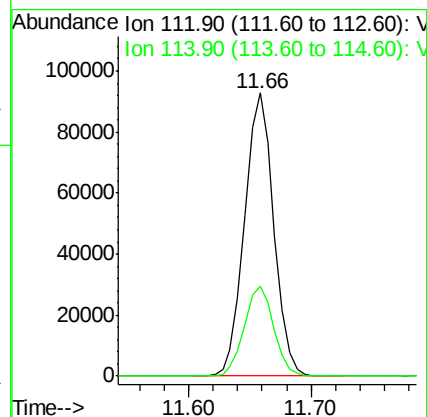
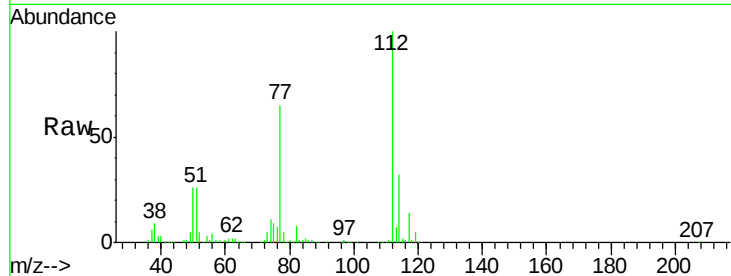
Ion Ratio Lower Upper

112 100

114 31.9 24.8 37.2

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 21.641 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW010869.D

Acq: 20 Jun 2019 01:48

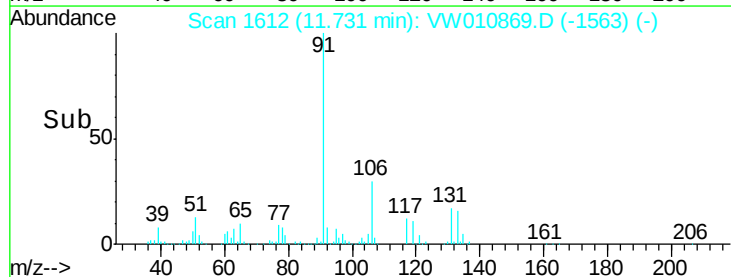
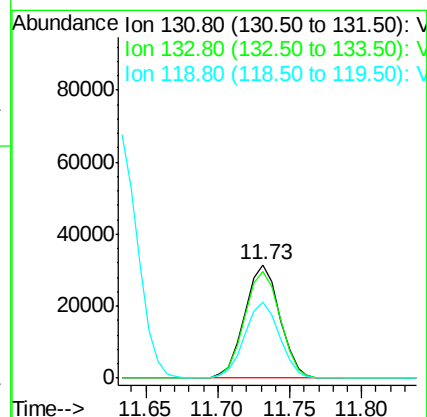
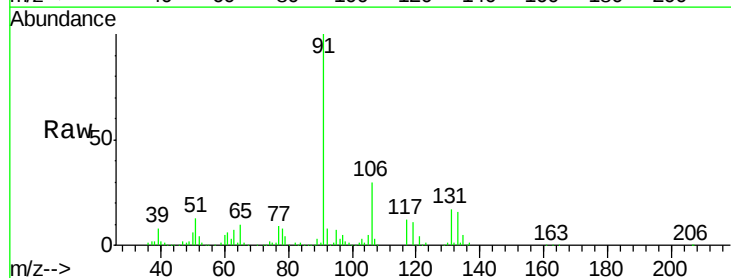
Tgt Ion:131 Resp: 53258

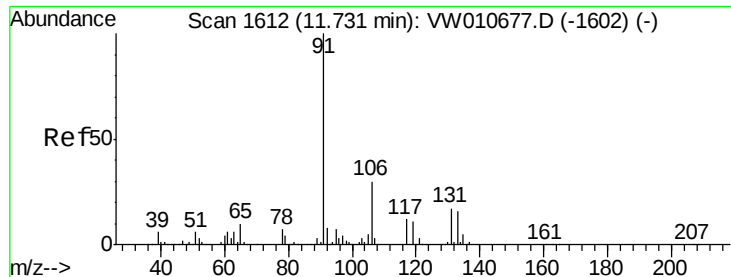
Ion Ratio Lower Upper

131 100

133 94.8 47.3 141.9

119 66.3 32.4 97.0





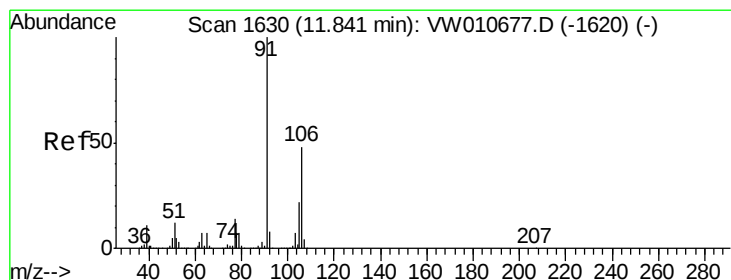
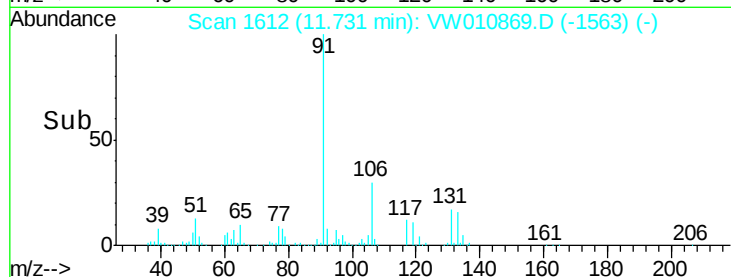
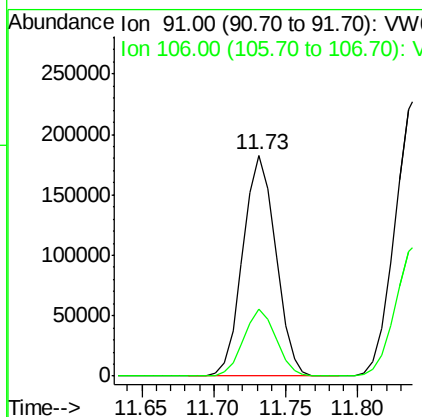
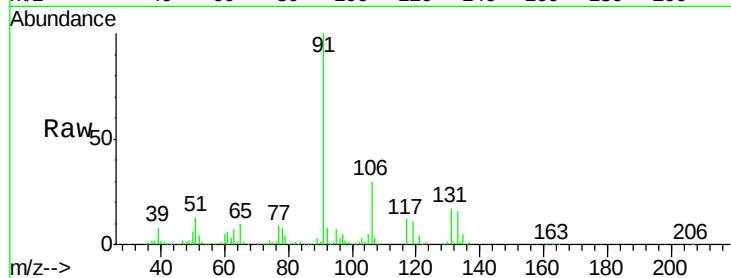
#67
Ethyl Benzene
Concen: 21.179 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010869.D
Acq: 20 Jun 2019 01:48

Instrument :
MSVOA_W
ClientSampleId :
VW0619SBS02

Tot Ion: 91 Resp: 289372
Ion Ratio Lower Upper
91 100
106 30.2 24.2 36.4

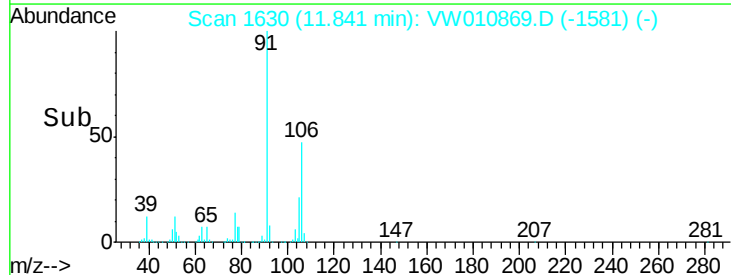
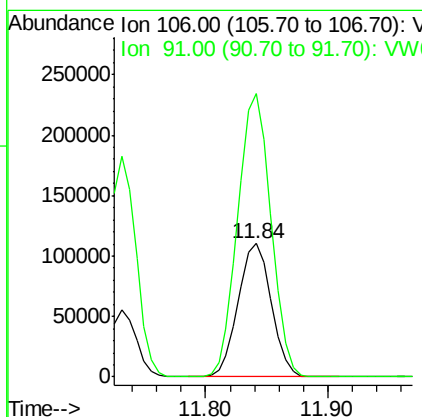
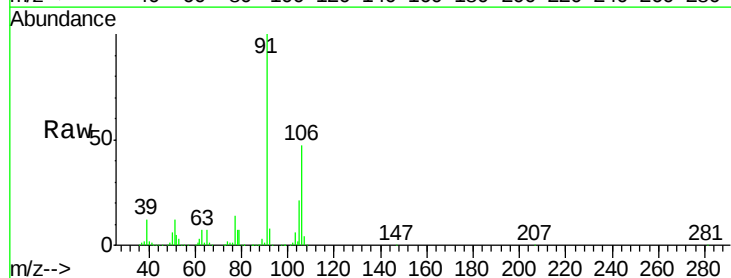
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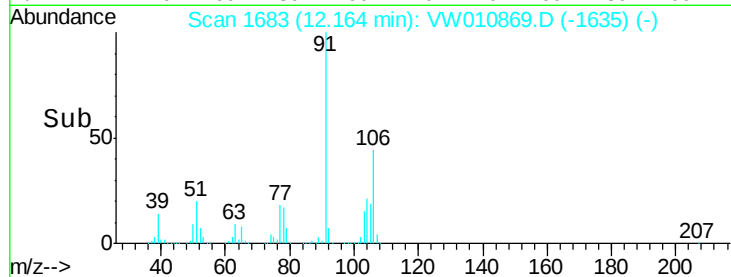
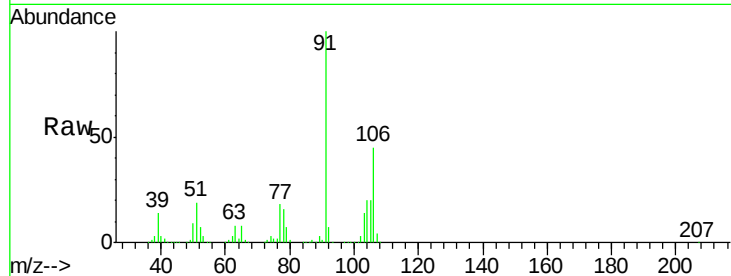
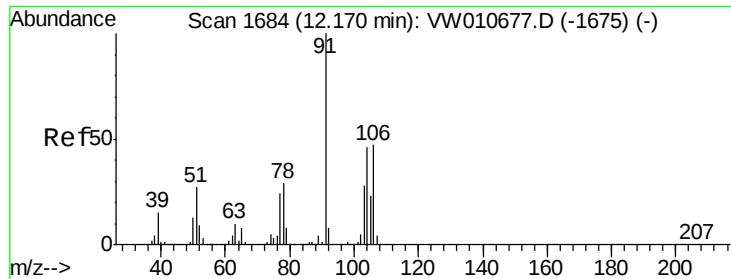
MMDadoda
6/20/2019 12:00:32 PM



#68
m/p-Xylenes
Concen: 42.483 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW010869.D
Acq: 20 Jun 2019 01:48

Tgt Ion: 106 Resp: 207783
Ion Ratio Lower Upper
106 100
91 212.5 166.5 249.7





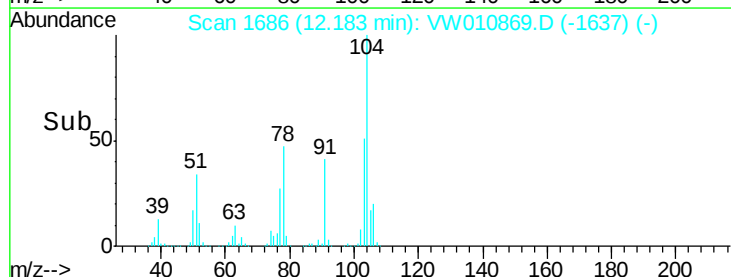
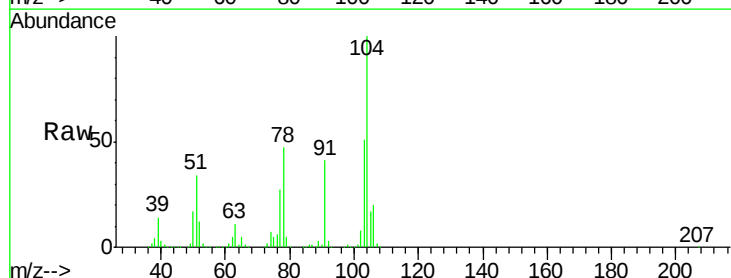
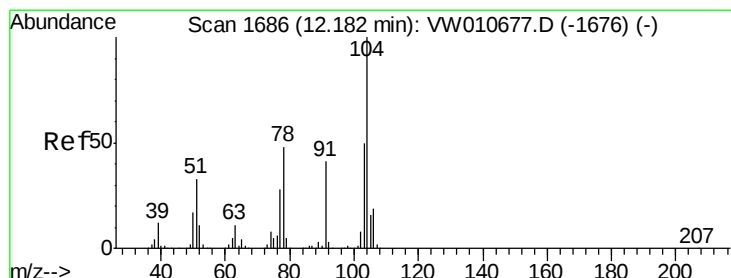
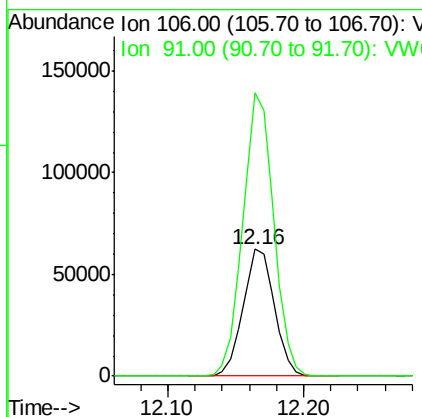
#69
o-Xylene
Concen: 21.679 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010869.D
Acq: 20 Jun 2019 01:48

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	100560		
91	91	220.2	108.9	326.6	

Instrument :
MSVOA_W
ClientSampleId :
VW0619SBS02

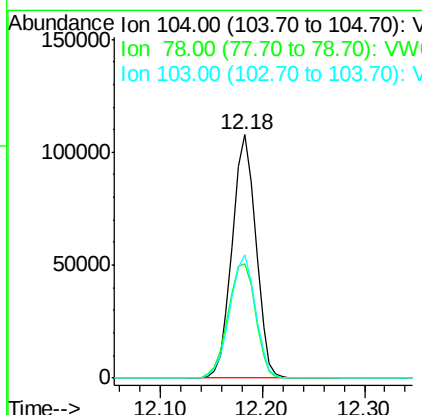
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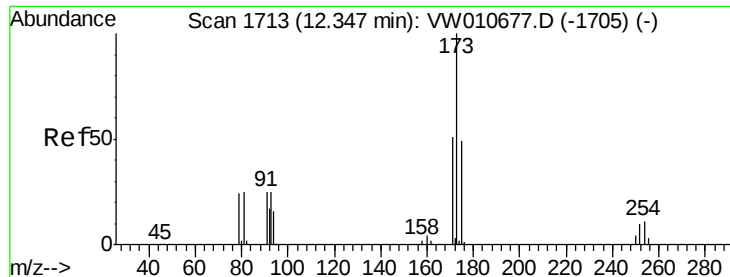
MMDadoda
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#70
Styrene
Concen: 21.462 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010869.D
Acq: 20 Jun 2019 01:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	172942		
78	78	54.7	42.7	64.1	
103	103	54.8	43.6	65.4	





#71

Bromoform

Concen: 20.768 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW010869.D

Acq: 20 Jun 2019 01:48

Instrument :

MSVOA_W

ClientSampleId :

VW0619SBS02

Tot Ion:173 Resp: 26433

Ion Ratio Lower Upper

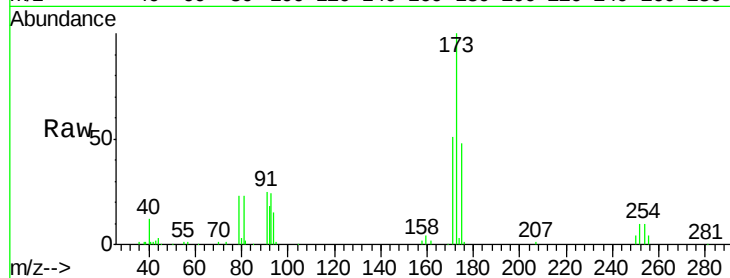
173 100

175 49.4 24.3 72.8

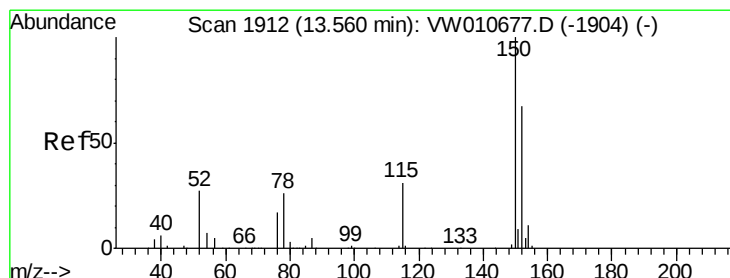
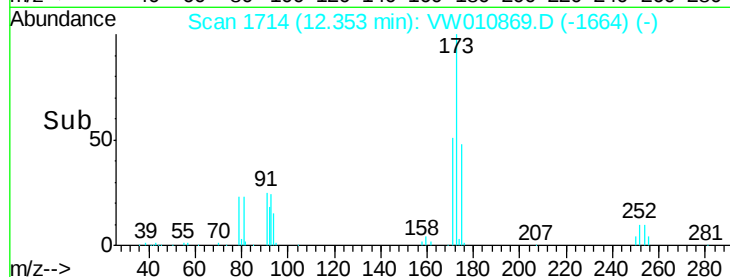
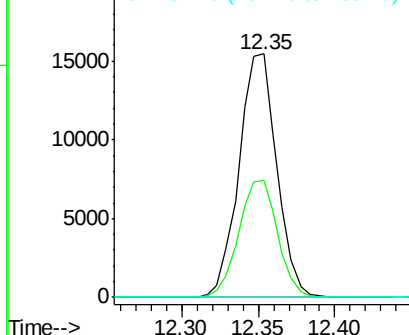
254 0.0 0.1 0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW010869.D

Acq: 20 Jun 2019 01:48

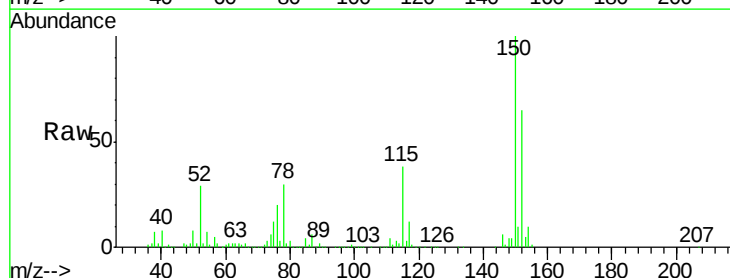
Tgt Ion:152 Resp: 173929

Ion Ratio Lower Upper

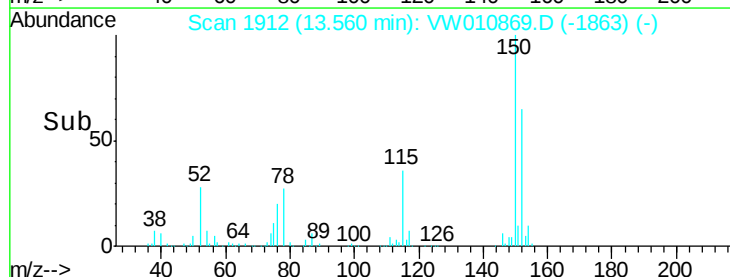
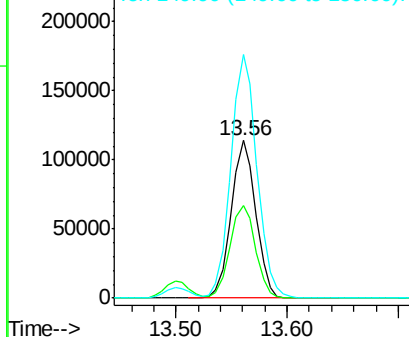
152 100

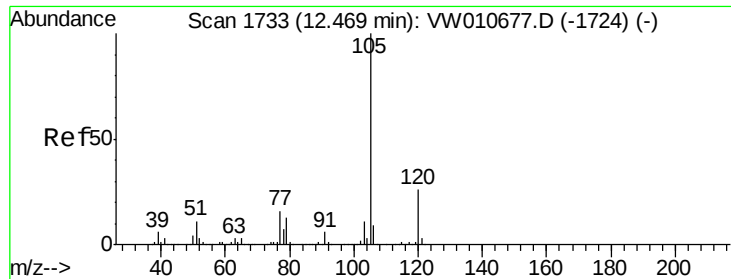
115 61.0 29.8 89.3

150 164.0 0.0 345.0



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





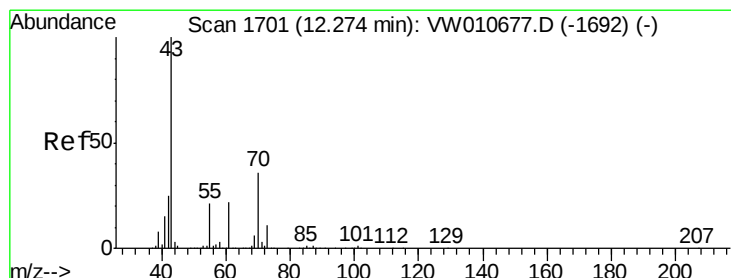
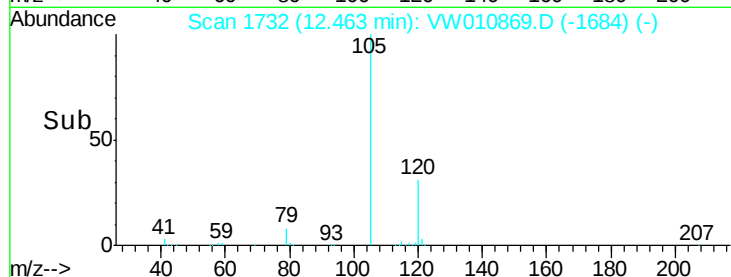
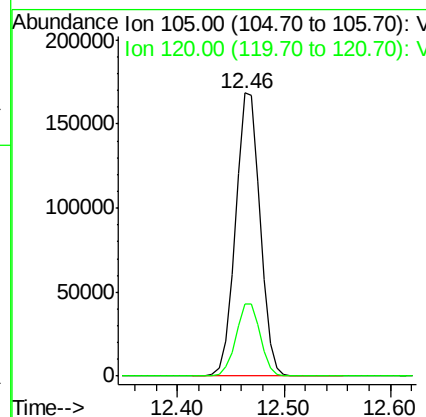
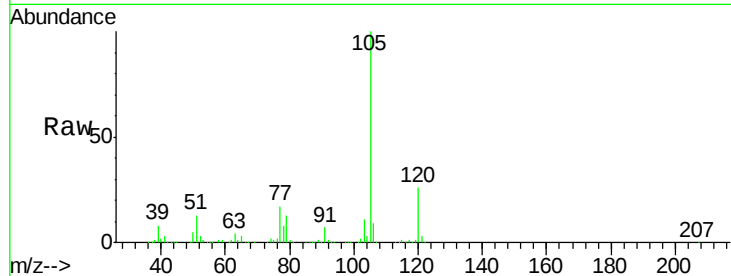
#73
Isopropylbenzene
Concen: 20.807 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.01 min
Lab File: VW010869.D
Acq: 20 Jun 2019 01:48

Instrument :
MSVOA_W
ClientSampleId :
VW0619SBS02

Tot Ion	Ratio	Resp	Lower	Upper
105	100	271949		
120	25.5	13.1	39.1	

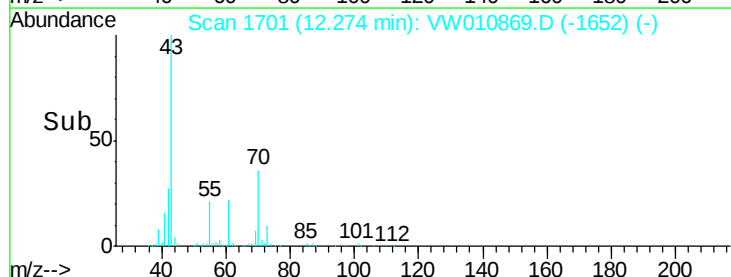
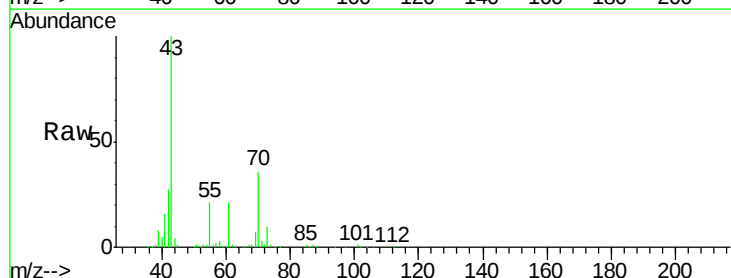
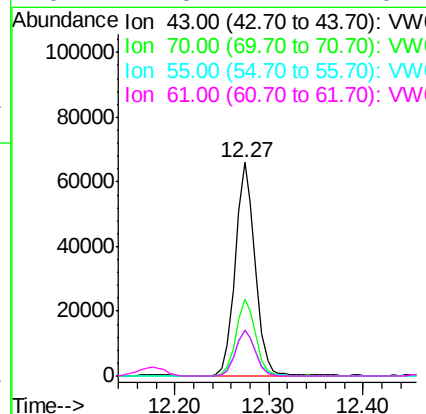
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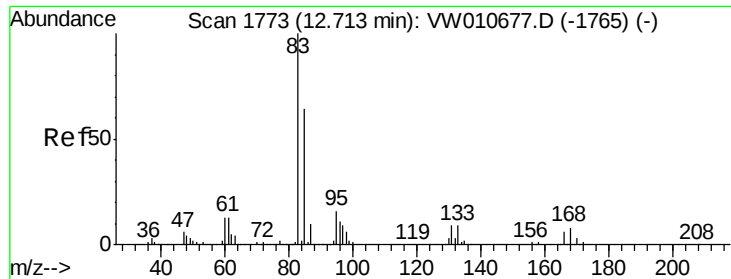
MMDadoda
6/20/2019 12:00:32 PM



#74
N-ethyl acetate
Concen: 22.698 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW010869.D
Acq: 20 Jun 2019 01:48

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	95880		
70	35.6	29.2	43.8	
55	22.2	17.5	26.3	
61	21.3	17.4	26.2	





#75

1,1,2,2-Tetrachloroethane

Concen: 22.292 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW010869.D

Acq: 20 Jun 2019 01:48

Instrument :

MSVOA_W

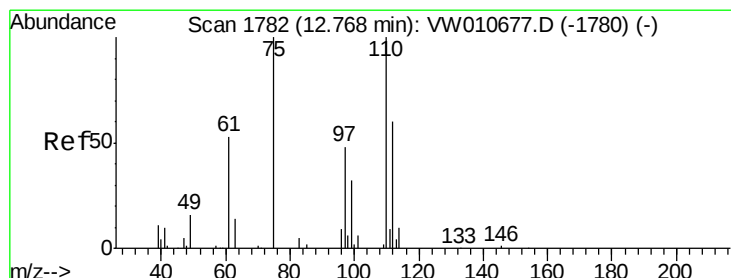
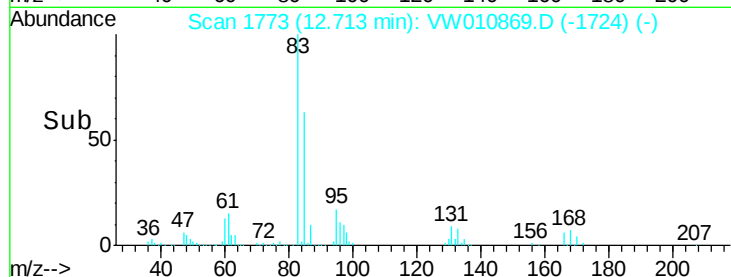
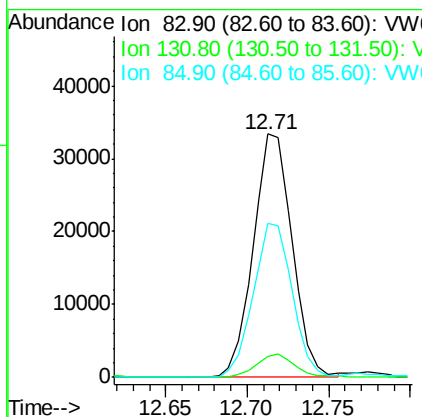
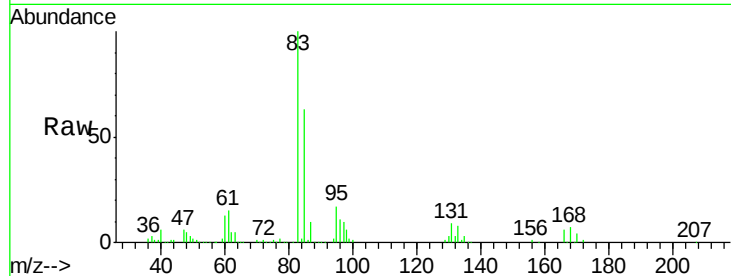
ClientSampleId :

VW0619SBS02

Tot Ion:	83	Resp:	55466
Ion Ratio	Lower	Upper	
83	100		
131	9.9	4.9	14.7
85	63.6	31.9	95.9

Manual Integrations
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6/20/2019 12:00:32 PM



#76

1,2,3-Trichloropropane

Concen: 22.991 ug/l m

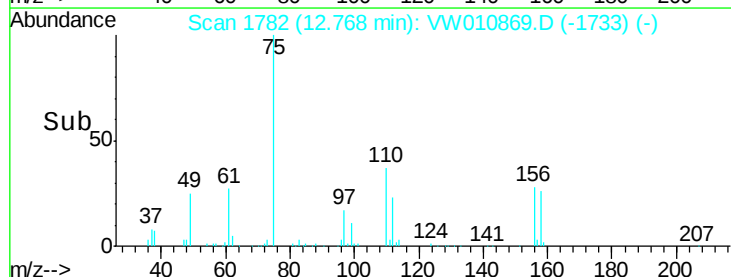
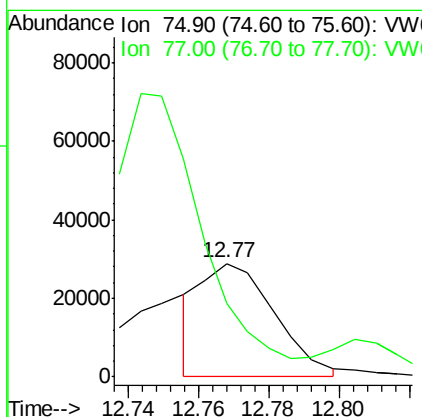
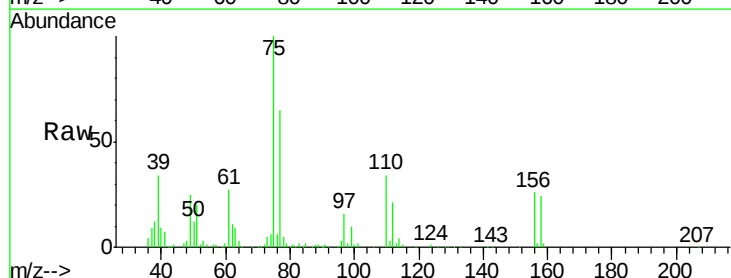
RT: 12.77 min Scan# 1782

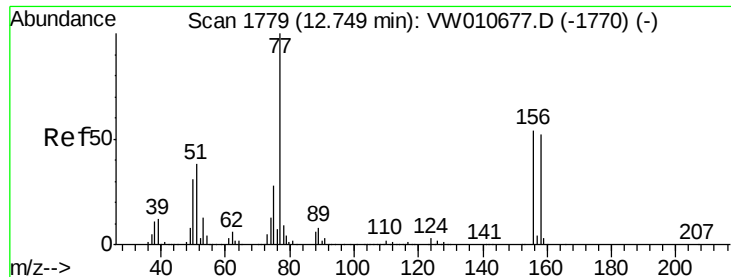
Delta R.T. 0.00 min

Lab File: VW010869.D

Acq: 20 Jun 2019 01:48

Tgt Ion:	75	Resp:	41993
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.597 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW010869.D

Acq: 20 Jun 2019 01:48

Instrument :

MSVOA_W

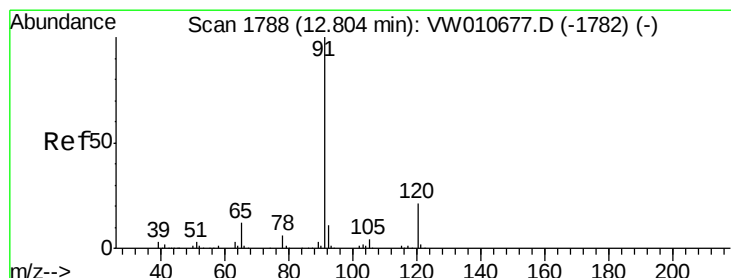
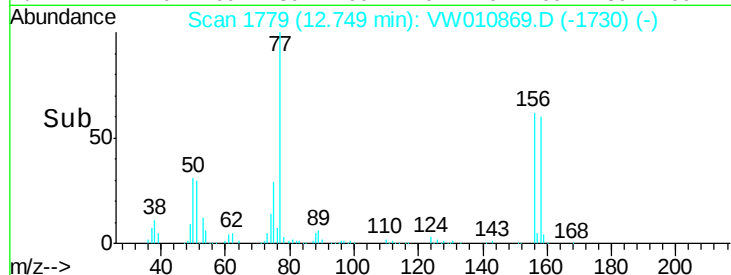
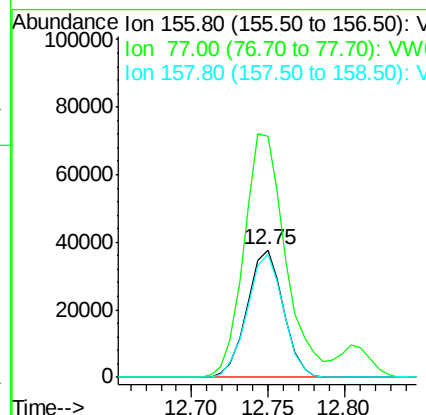
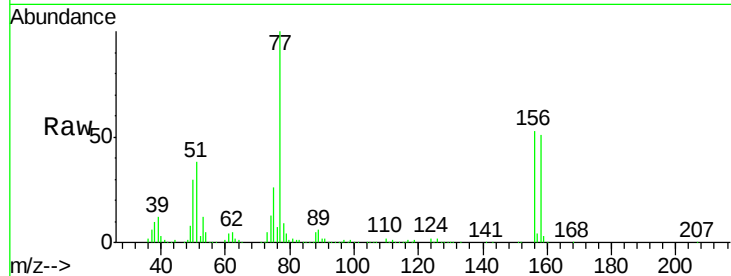
ClientSampleId :

VW0619SBS02

Tot Ion	Ratio	Lower	Upper
156	100		
77	219.6	106.5	319.4
158	97.3	48.3	144.9

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#78

n-propylbenzene

Concen: 20.925 ug/l

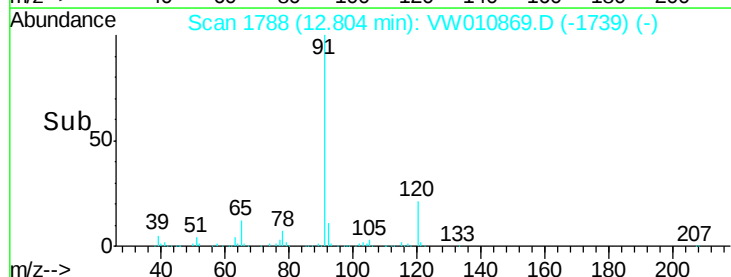
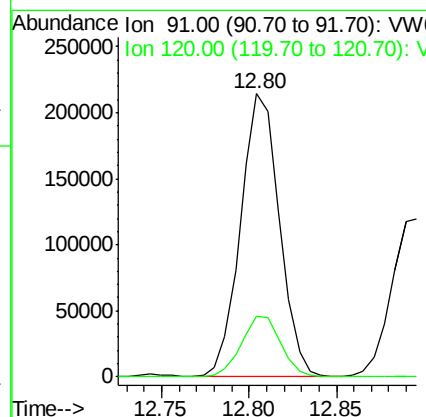
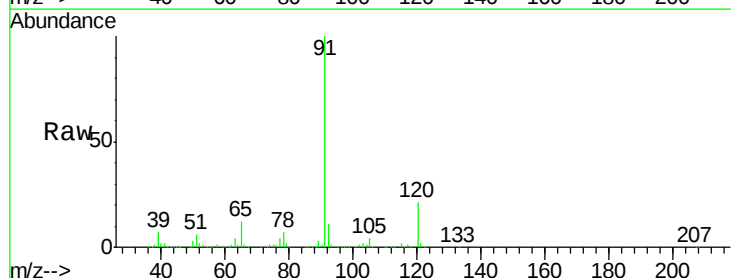
RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW010869.D

Acq: 20 Jun 2019 01:48

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.9	10.8	32.4





#79

2-Chlorotoluene

Concen: 21.767 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW010869.D

Acq: 20 Jun 2019 01:48

Instrument :

MSVOA_W

ClientSampleId :

VW0619SBS02

Tot Ion: 91 Resp: 195985

Ion Ratio Lower Upper

91 100

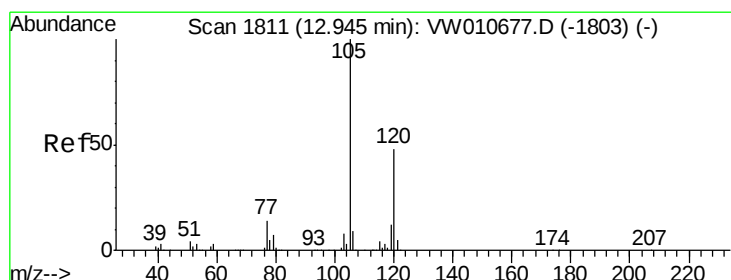
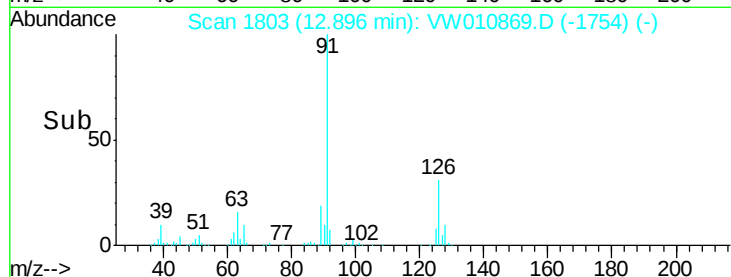
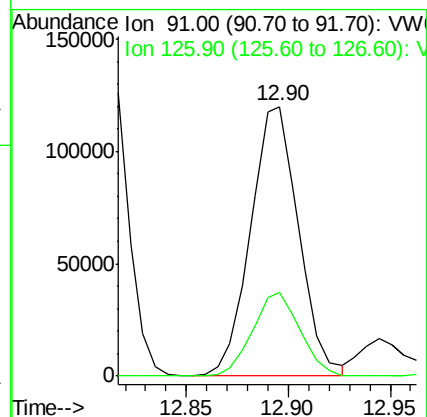
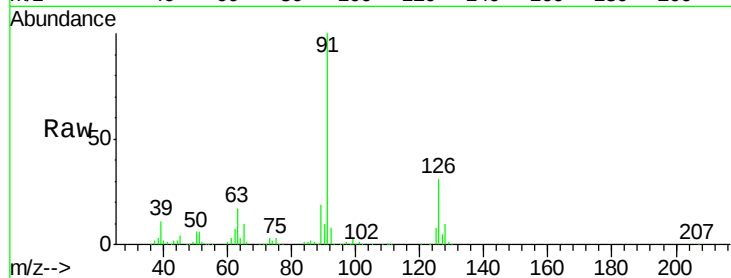
126 30.7 15.7 47.0

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.298 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW010869.D

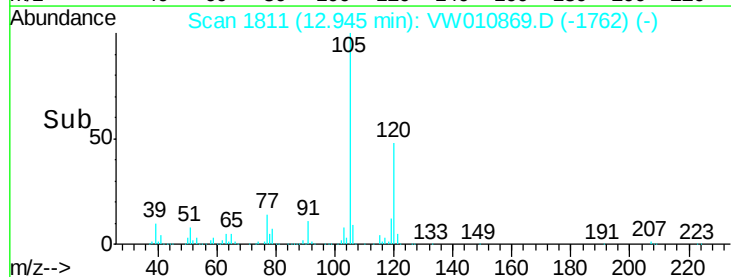
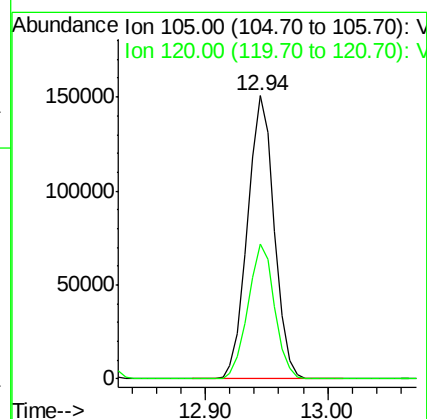
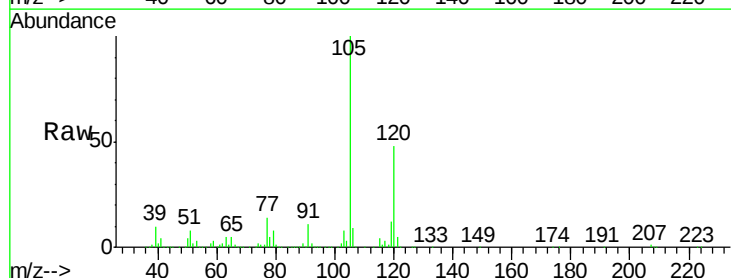
Acq: 20 Jun 2019 01:48

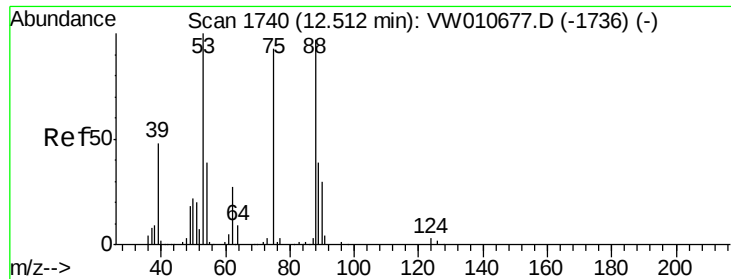
Tgt Ion: 105 Resp: 227843

Ion Ratio Lower Upper

105 100

120 47.6 24.3 72.8





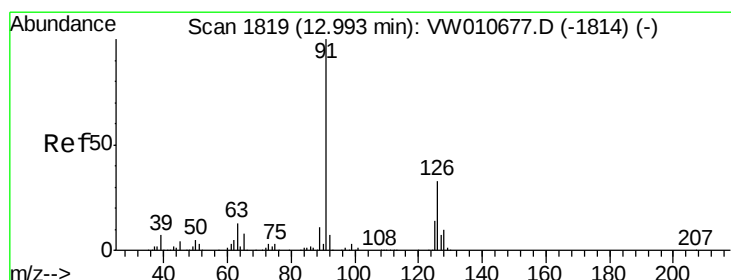
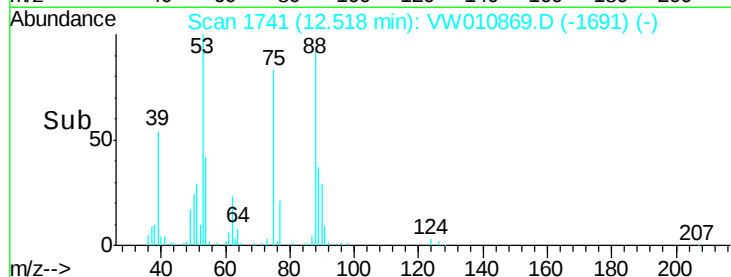
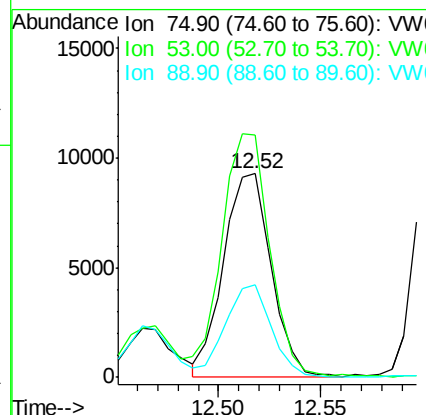
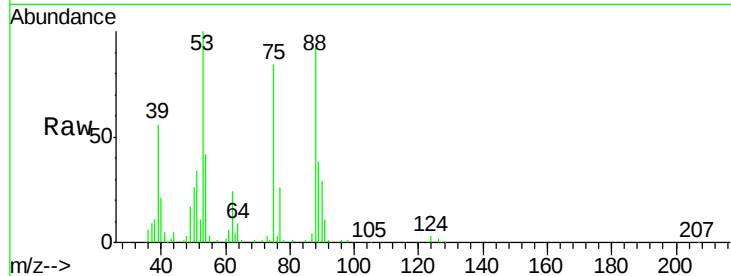
#81
trans-1,4-Dichloro-2-butene
Concen: 18.997 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.01 min
Lab File: VW010869.D
Acq: 20 Jun 2019 01:48

Instrument :
MSVOA_W
ClientSampleId :
VW0619SBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	122.1	90.1	135.1
89	43.8	34.6	52.0

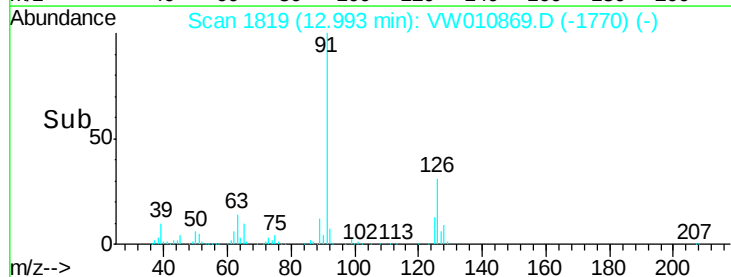
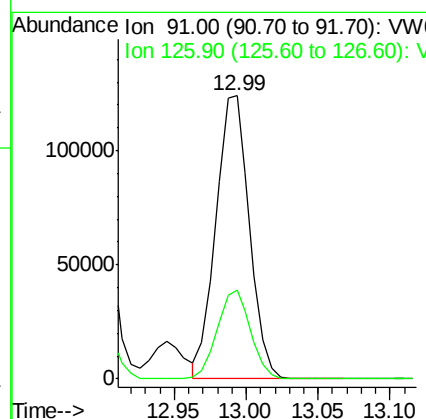
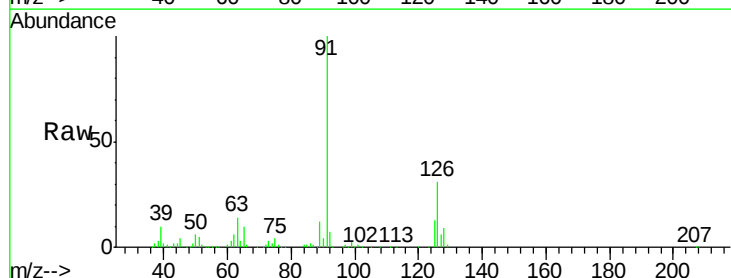
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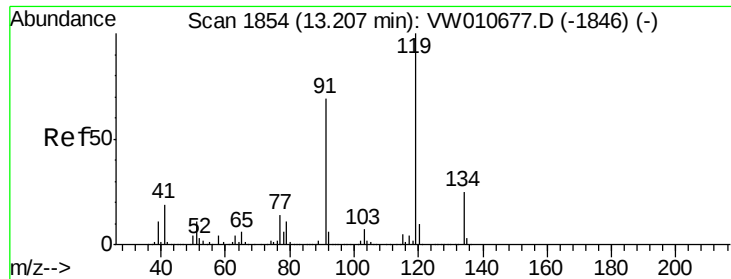
MMDadoda
6/20/2019 12:00:32 PM



#82
4-Chlorotoluene
Concen: 21.647 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW010869.D
Acq: 20 Jun 2019 01:48

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.9	47.7





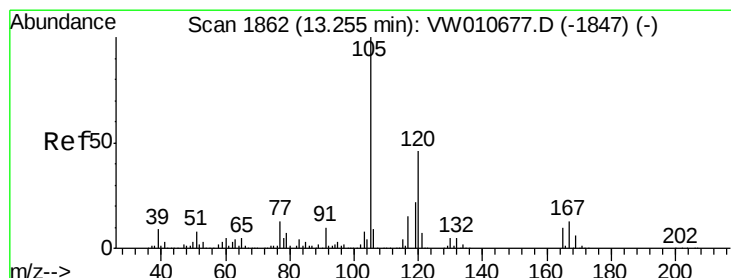
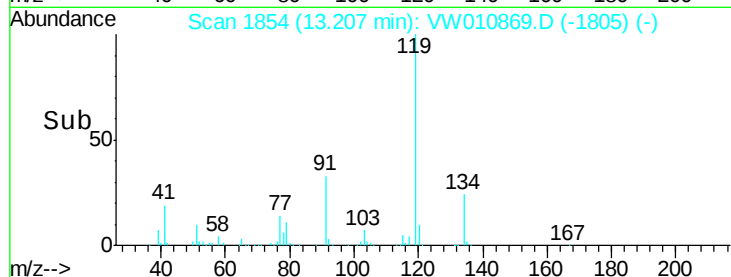
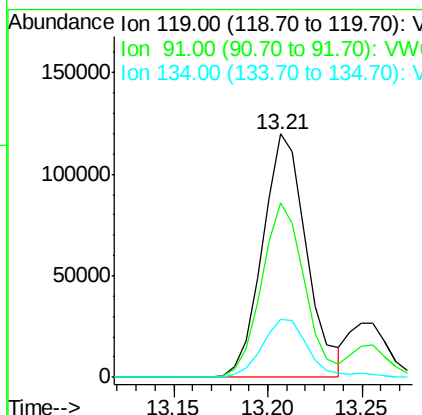
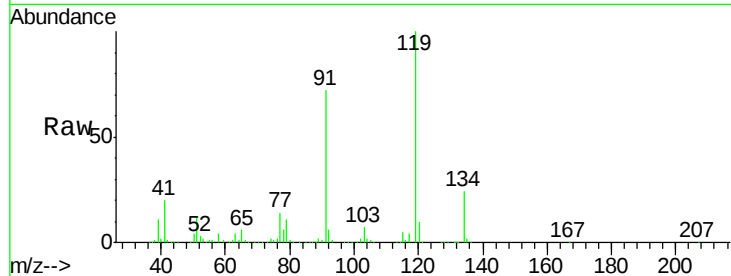
#83
tert-Butylbenzene
Concen: 21.394 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW010869.D
Acq: 20 Jun 2019 01:48

Instrument :
MSVOA_W
ClientSampleId :
VW0619SBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.1	35.1	105.3
134	25.6	13.6	40.7

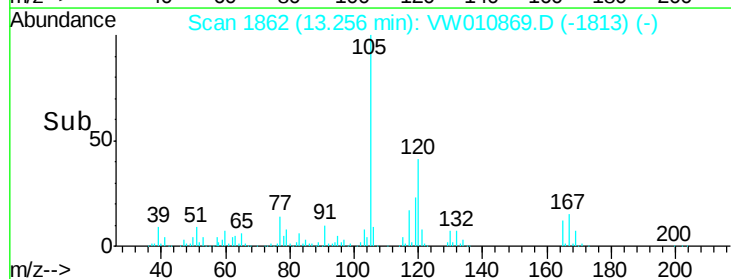
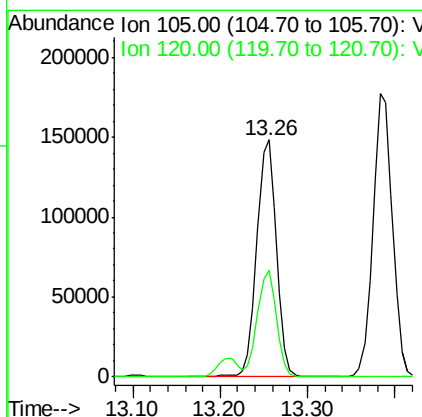
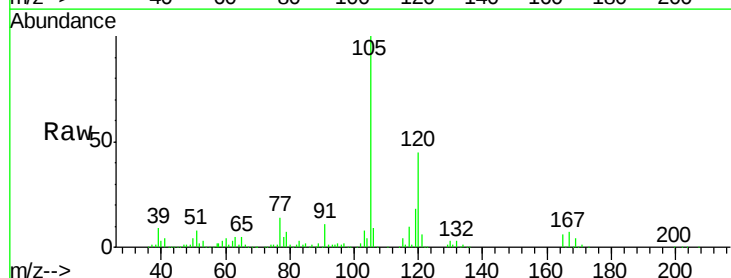
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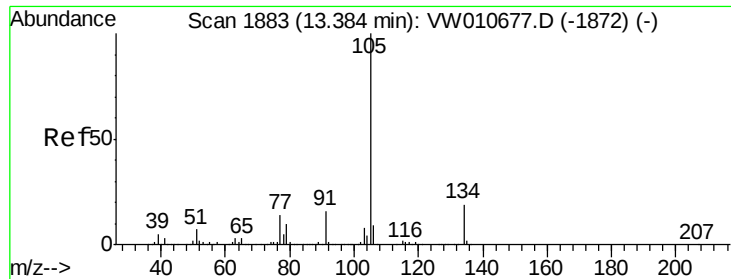
MMDadoda
6/20/2019 12:00:32 PM



#84
1,2,4-Trimethylbenzene
Concen: 21.405 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW010869.D
Acq: 20 Jun 2019 01:48

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.5	67.5





#85

sec-Butylbenzene

Concen: 20.677 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW010869.D

Acq: 20 Jun 2019 01:48

Instrument :

MSVOA_W

ClientSampleId :

VW0619SBS02

Tot Ion:105 Resp: 273336

Ion Ratio Lower Upper

105 100

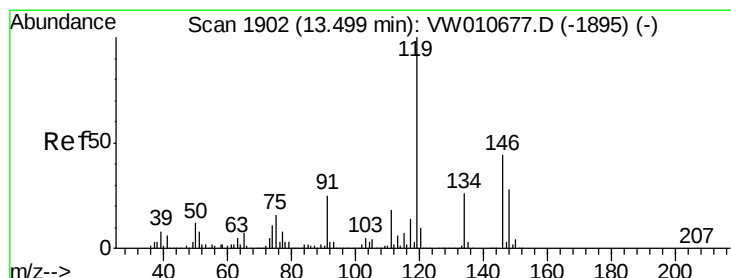
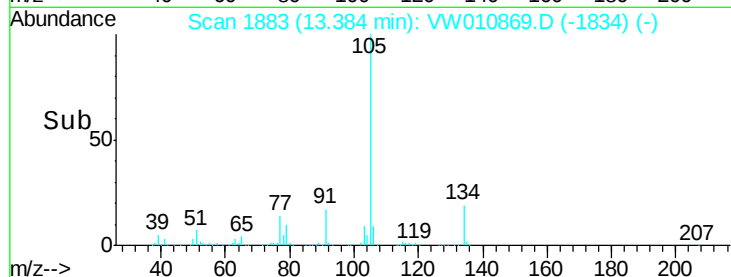
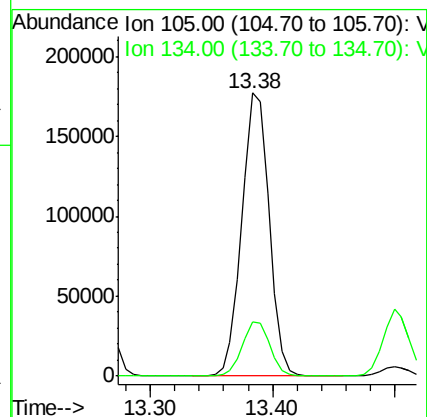
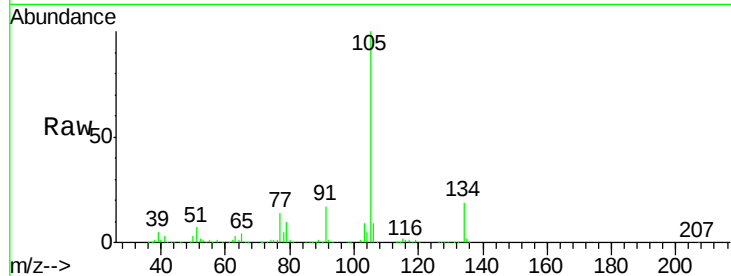
134 19.5 9.7 28.9

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.594 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010869.D

Acq: 20 Jun 2019 01:48

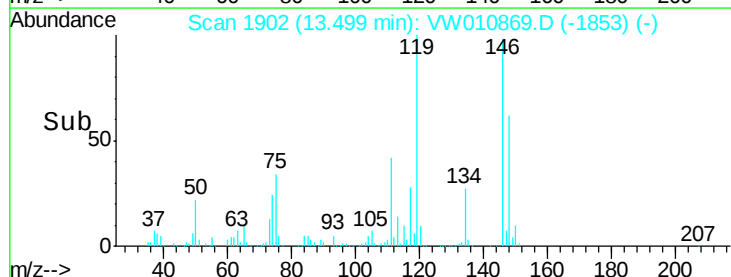
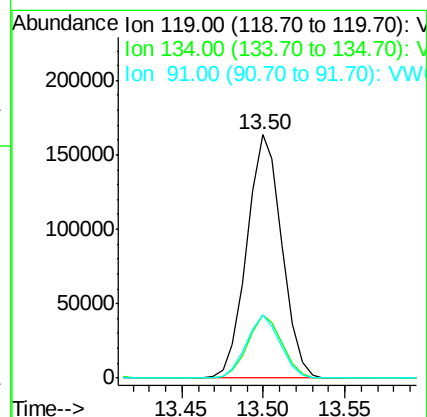
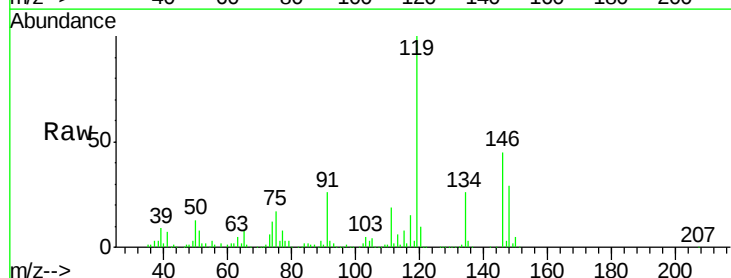
Tgt Ion:119 Resp: 243452

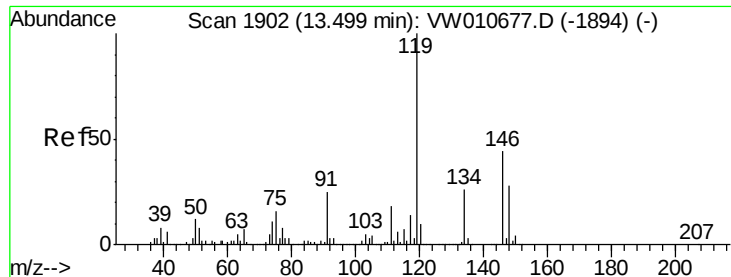
Ion Ratio Lower Upper

119 100

134 25.5 13.0 39.0

91 25.0 12.2 36.4





#87

1,3-Dichlorobenzene

Concen: 21.562 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010869.D

Acq: 20 Jun 2019 01:48

Instrument :

MSVOA_W

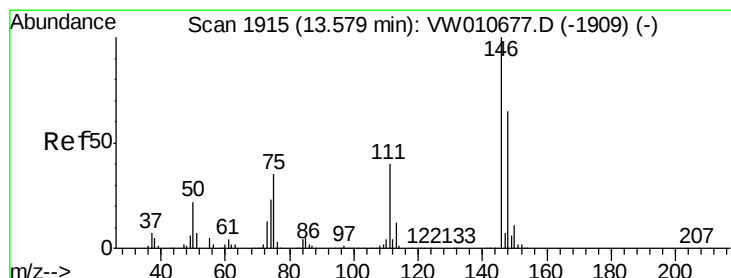
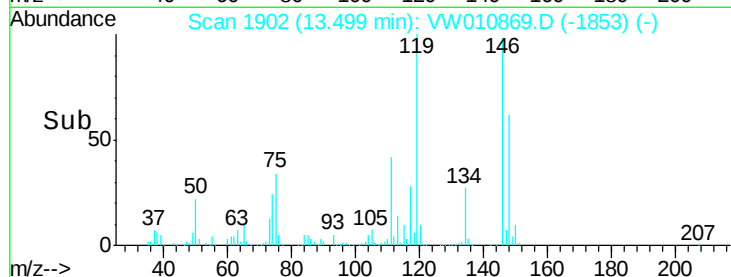
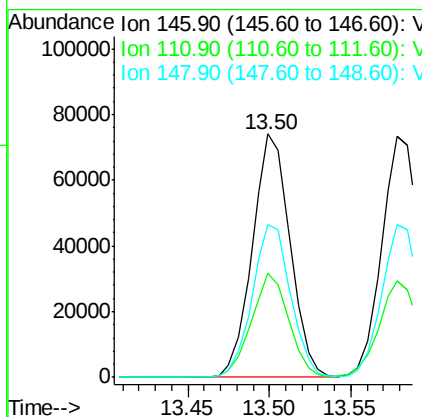
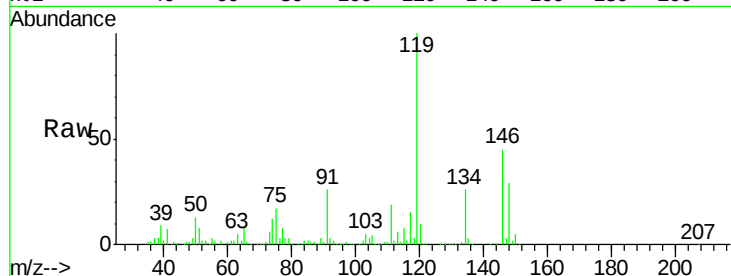
ClientSampleId :

VW0619SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.4	61.3
148	63.8	31.5	94.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 21.672 ug/l

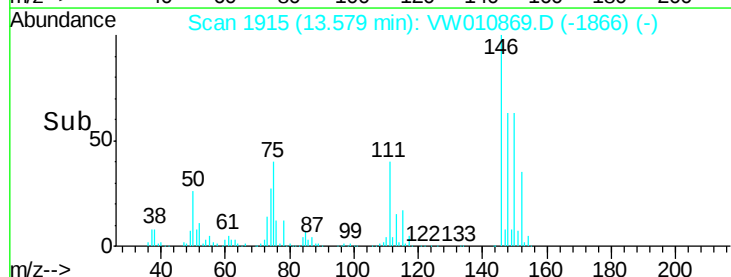
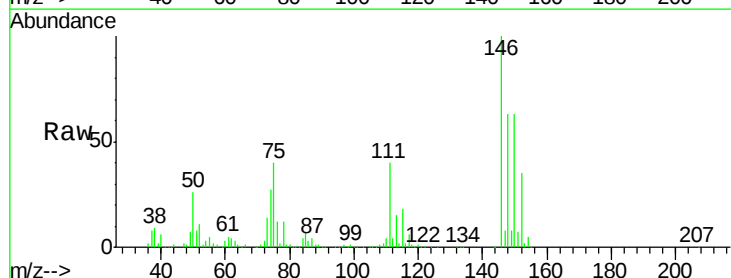
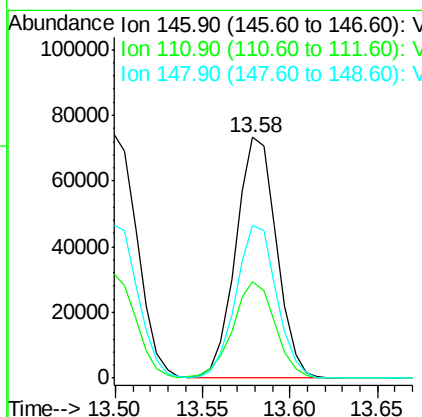
RT: 13.58 min Scan# 1915

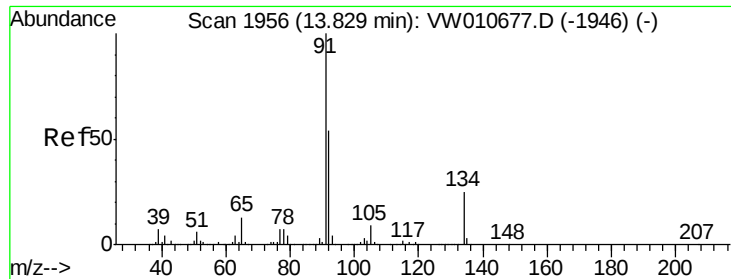
Delta R.T. 0.00 min

Lab File: VW010869.D

Acq: 20 Jun 2019 01:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.3	60.9
148	63.8	32.4	97.2





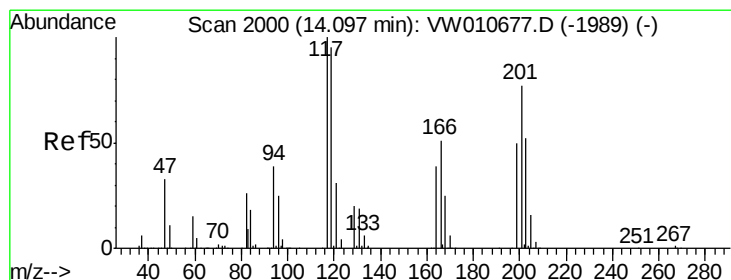
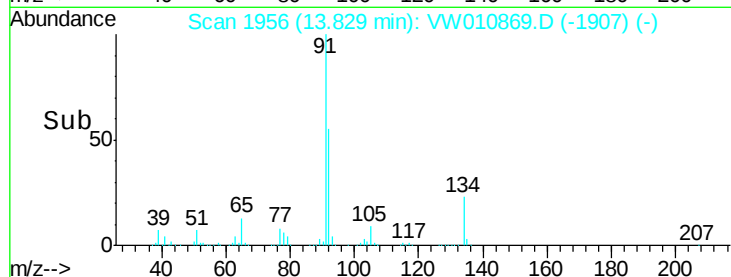
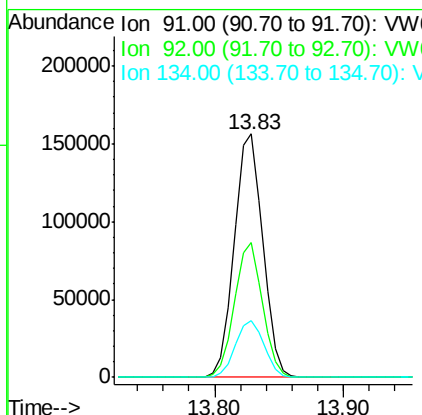
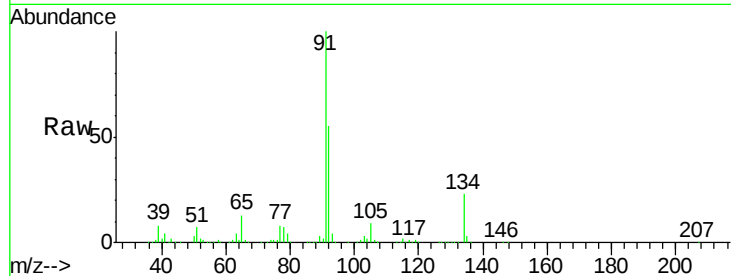
#89
n-Butylbenzene
Concen: 20.404 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW010869.D
Acq: 20 Jun 2019 01:48

Instrument :
MSVOA_W
ClientSampleId :
VW0619SBS02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	240654		
92	54.1	27.3	81.8	
134	23.6	12.3	36.9	

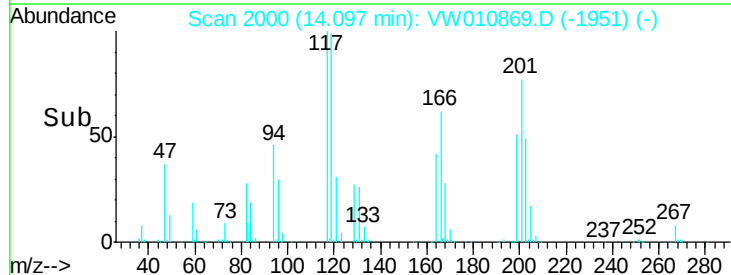
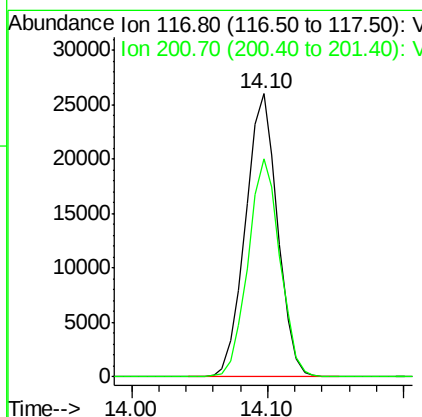
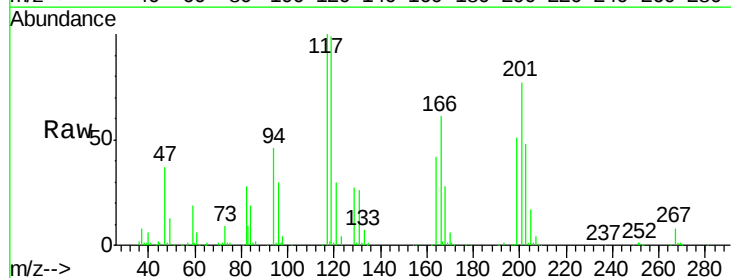
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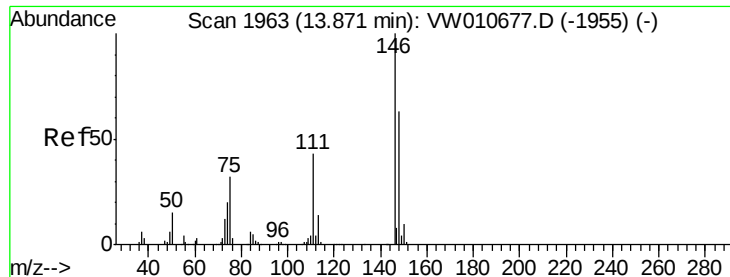
MMDadoda
6/20/2019 12:00:32 PM



#90
Hexachloroethane
Concen: 20.300 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW010869.D
Acq: 20 Jun 2019 01:48

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	42974		
201	76.8	38.8	116.4	





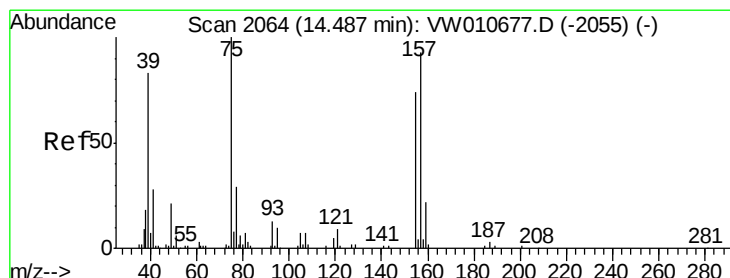
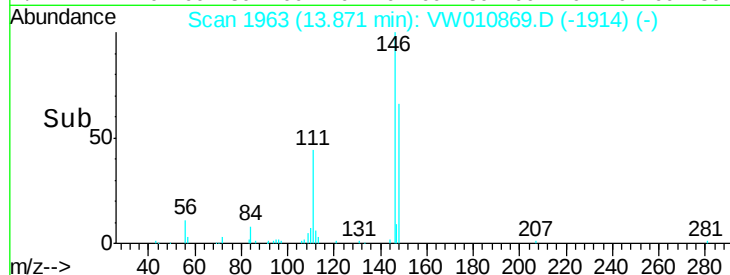
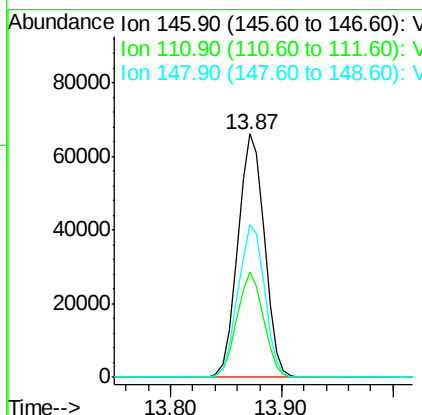
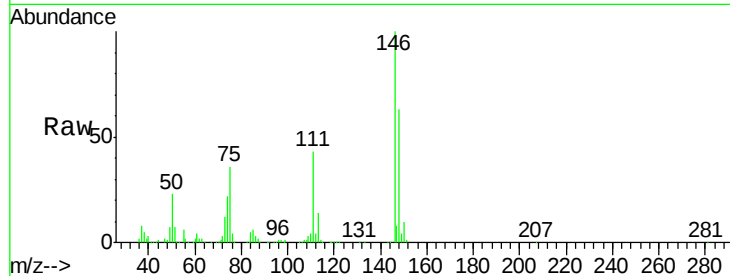
#91
 1,2-Dichlorobenzene
 Concen: 22.014 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW010869.D
 Acq: 20 Jun 2019 01:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0619SBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.5	64.5
148	62.9	31.9	95.5

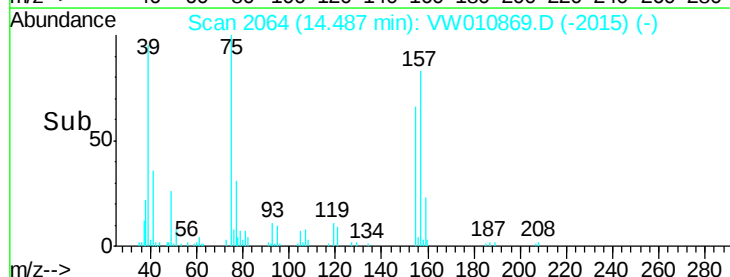
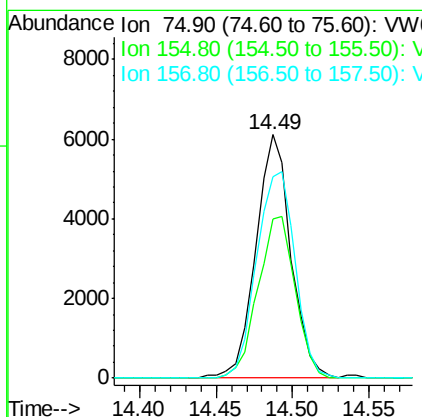
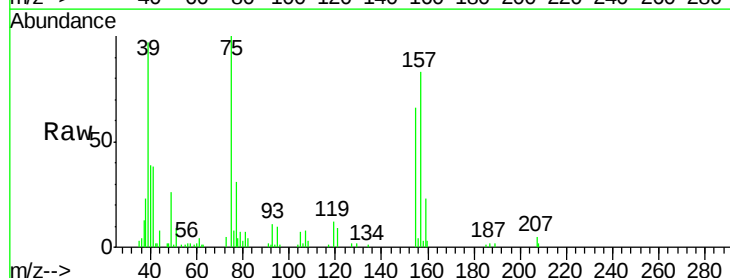
Manual Integrations
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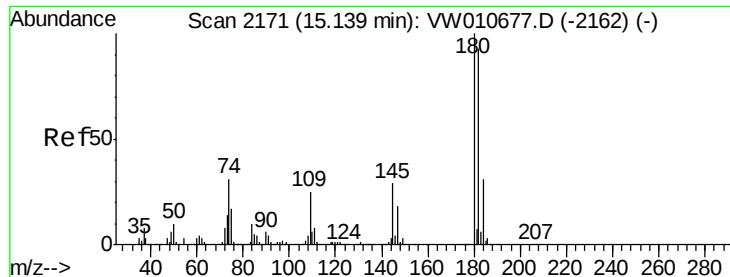
MMDadoda
 6/20/2019 12:00:32 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.894 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW010869.D
 Acq: 20 Jun 2019 01:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.3	38.8	116.4
157	92.5	48.4	145.0





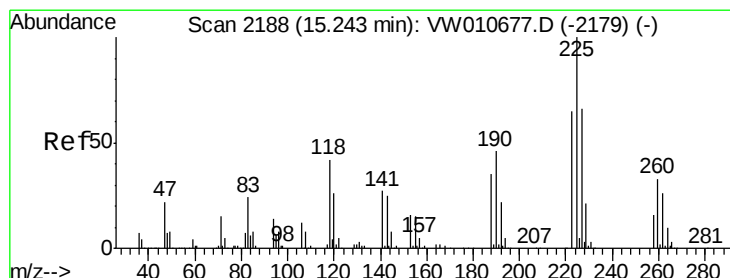
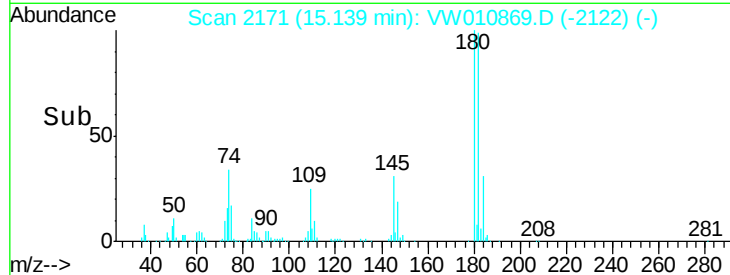
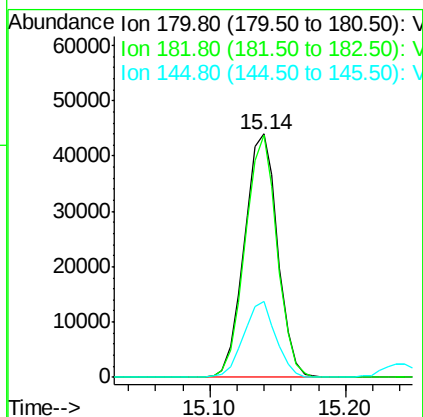
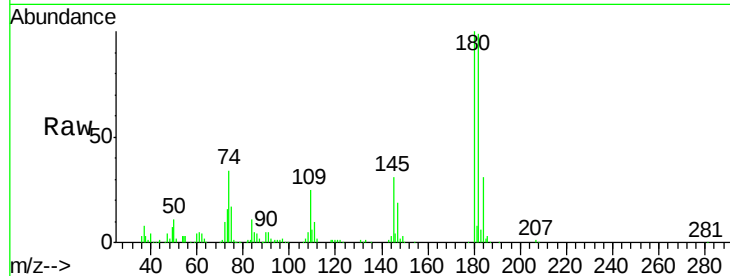
#93
 1,2,4-Trichlorobenzene
 Concen: 21.616 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010869.D
 Acq: 20 Jun 2019 01:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0619SBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.1	141.4
145	30.5	15.2	45.5

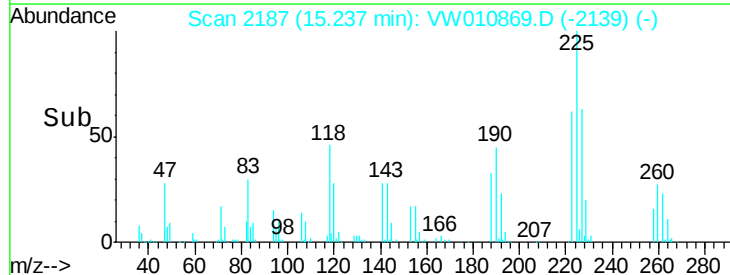
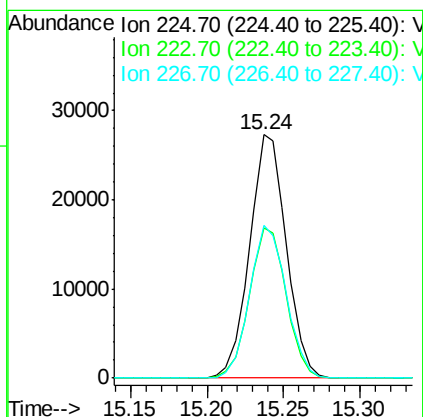
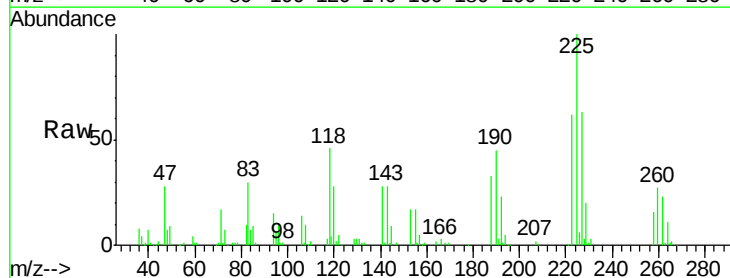
Manual Integrations
 APPROVED

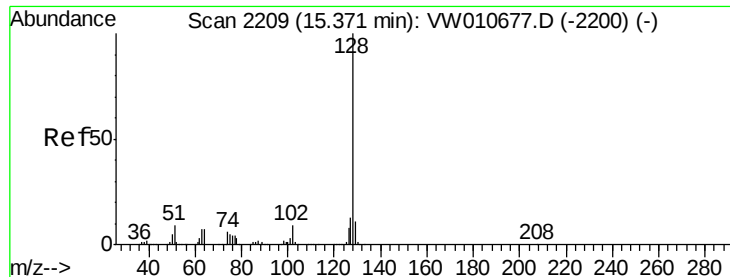
MMDadoda
 6/20/2019 12:00:32 PM



#94
 Hexachlorobutadiene
 Concen: 20.912 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW010869.D
 Acq: 20 Jun 2019 01:48

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	32.2	96.6
227	62.7	32.0	96.0





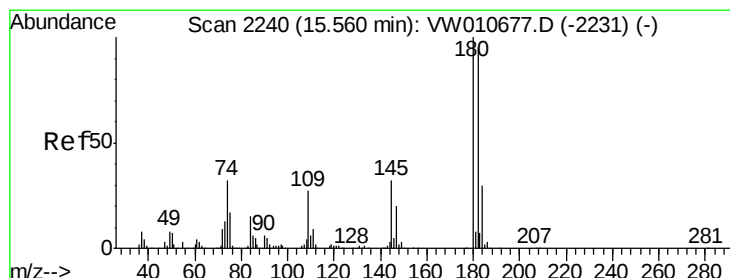
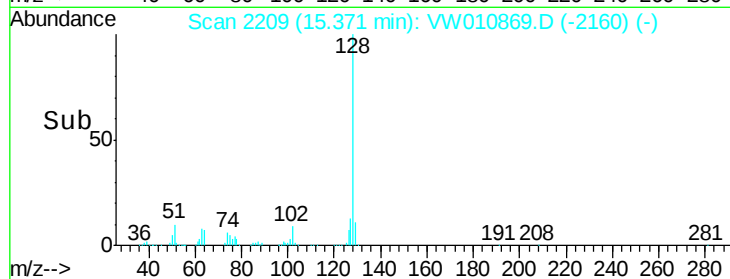
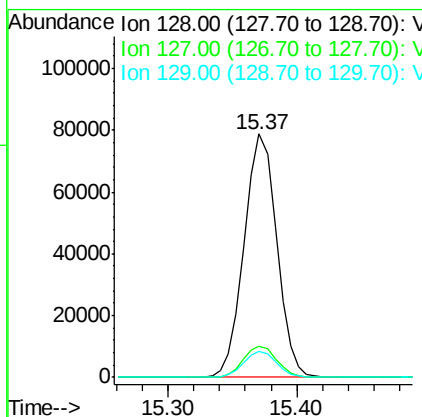
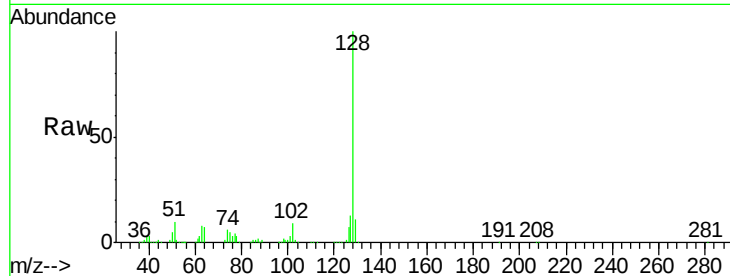
#95
Naphthalene
Concen: 21.923 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW010869.D
Acq: 20 Jun 2019 01:48

Instrument :
MSVOA_W
ClientSampleId :
VW0619SBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/20/2019 12:00:32 PM



#96
1,2,3-Trichlorobenzene
Concen: 22.428 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW010869.D
Acq: 20 Jun 2019 01:48

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.0	141.0
145	32.3	16.1	48.3

