

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW033119\
 Data File : VW009608.D
 Acq On : 31 Mar 2019 14:04
 Operator : SY/VA
 Sample : VW0331SBS01
 Misc : 5.00G/5.0ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0331SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 5:30:20 PM

Quant Time: Apr 01 05:15:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W032919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 29 13:24:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	293994	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	455309	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	421448	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	233007	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	166241	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	
35) Dibromofluoromethane	7.88	113	140030	48.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.94%	
50) Toluene-d8	10.32	98	510360	48.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.56%	
62) 4-Bromofluorobenzene	12.62	95	192540	48.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	41086	21.398	ug/l	98
3) Chloromethane	2.21	50	45572	18.401	ug/l	96
4) Vinyl Chloride	2.36	62	67036	20.267	ug/l	98
5) Bromomethane	2.77	94	49217	19.286	ug/l	93
6) Chloroethane	2.93	64	46847	19.124	ug/l	94
7) Trichlorofluoromethane	3.25	101	40987	18.136	ug/l	93
8) Diethyl Ether	3.67	74	30562	20.139	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.05	101	61510	20.285	ug/l	93
10) Methyl Iodide	4.26	142	78030	18.859	ug/l	92
11) Tert butyl alcohol	5.18	59	20158	103.414	ug/l	95
12) 1,1-Dichloroethene	4.04	96	58064	20.462	ug/l	93
13) Acrolein	3.89	56	12903	90.250	ug/l	99
14) Allyl chloride	4.65	41	77266	17.024	ug/l	98
15) Acrylonitrile	5.36	53	66858	96.385	ug/l	99
16) Acetone	4.12	43	77366	102.353	ug/l	99
17) Carbon Disulfide	4.37	76	157133	19.461	ug/l	98
18) Methyl Acetate	4.67	43	34938	19.121	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	73812	18.702	ug/l	100
20) Methylene Chloride	4.92	84	65000	19.558	ug/l	96
21) trans-1,2-Dichloroethene	5.41	96	59967	19.904	ug/l	93
22) Diisopropyl ether	6.31	45	192040	19.592	ug/l	98
23) Vinyl Acetate	6.25	43	633096	103.534	ug/l	99
24) 1,1-Dichloroethane	6.21	63	119069	20.182	ug/l	97
25) 2-Butanone	7.17	43	110977	106.245	ug/l	94
26) 2,2-Dichloropropane	7.16	77	64165	19.023	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	65647	19.951	ug/l	96
28) Bromochloromethane	7.50	49	45996	17.992	ug/l #	14
29) Tetrahydrofuran	7.53	42	68830	106.122	ug/l	97
30) Chloroform	7.67	83	125240	20.496	ug/l	98
31) Cyclohexane	7.95	56	106367	19.231	ug/l #	92
32) 1,1,1-Trichloroethane	7.87	97	95060	19.217	ug/l	97
36) 1,1-Dichloropropene	8.07	75	97188	20.637	ug/l	99
37) Ethyl Acetate	7.25	43	45034	20.128	ug/l	99
38) Carbon Tetrachloride	8.06	117	96231	19.942	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	103729	19.282	ug/l	96
40) Benzene	8.32	78	257327	20.173	ug/l	100
41) Methacrylonitrile	7.48	41	24104	19.167	ug/l	97
42) 1,2-Dichloroethane	8.40	62	91073	20.942	ug/l	99
43) Isopropyl Acetate	8.42	43	90503	20.640	ug/l	99
44) Trichloroethene	9.09	130	67520	20.446	ug/l	100
45) 1,2-Dichloropropane	9.37	63	64738	19.827	ug/l	97
46) Dibromomethane	9.45	93	36889	20.856	ug/l	96
47) Bromodichloromethane	9.64	83	91665	20.317	ug/l	98
48) Methyl methacrylate	9.43	41	41967	20.417	ug/l	100
49) 1,4-Dioxane	9.45	88	12224	464.080	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	249877	106.510	ug/l	99
52) Toluene	10.38	92	161280	20.189	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	87371	19.777	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	97794	19.965	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	50941	21.307	ug/l	98
56) Ethyl methacrylate	10.65	69	59480	20.396	ug/l	97
57) 1,3-Dichloropropane	10.93	76	86869	20.498	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	150809	105.104	ug/l	95
59) 2-Hexanone	10.97	43	172757	106.402	ug/l	100
60) Dibromochloromethane	11.13	129	58017	20.097	ug/l	97
61) 1,2-Dibromoethane	11.23	107	48299	21.067	ug/l	98
64) Tetrachloroethene	10.86	164	57167	19.978	ug/l	97
65) Chlorobenzene	11.66	112	177837	20.035	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	65992	20.405	ug/l	98
67) Ethyl Benzene	11.73	91	311901	19.945	ug/l	100
68) m/p-Xylenes	11.84	106	241708	40.705	ug/l	99
69) o-Xylene	12.16	106	110052	19.902	ug/l	99
70) Styrene	12.18	104	187906	20.344	ug/l	99
71) Bromoform	12.35	173	35099	20.167	ug/l #	98
73) Isopropylbenzene	12.46	105	306398	18.896	ug/l	98
74) N-amyl acetate	12.27	43	87076	20.370	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	62714	20.451	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	44857m	20.472	ug/l	
77) Bromobenzene	12.75	156	73506	19.685	ug/l	99
78) n-propylbenzene	12.80	91	392766	19.643	ug/l	99
79) 2-Chlorotoluene	12.89	91	221246	19.470	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	266273	19.499	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	18795	19.947	ug/l	94
82) 4-Chlorotoluene	12.99	91	234877	19.640	ug/l	99
83) tert-Butylbenzene	13.21	119	226418	19.477	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	279843	19.934	ug/l	100
85) sec-Butylbenzene	13.38	105	341290	19.460	ug/l	98
86) p-Isopropyltoluene	13.50	119	298683	19.580	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	153017	19.846	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	151952	19.731	ug/l	99
89) n-Butylbenzene	13.83	91	292298	19.413	ug/l	99
90) Hexachloroethane	14.10	117	56978	19.506	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	136071	19.736	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	11358	20.289	ug/l	98

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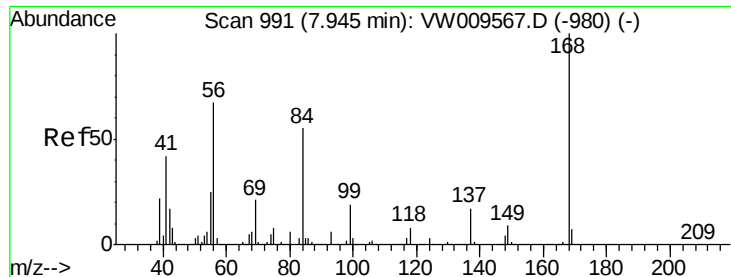
Manual Integrations
APPROVED

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	89080	20.063	ug/l	99
94) Hexachlorobutadiene	15.24	225	55935	19.616	ug/l	99
95) Naphthalene	15.37	128	155921	19.060	ug/l	98
96) 1,2,3-Trichlorobenzene	15.56	180	82524	20.803	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW009608.D

Acq: 31 Mar 2019 14:04

Instrument :

MSVOA_W

ClientSampleId :

VW0331SBS01

Tot Ion:168 Resp: 293994

Ion Ratio Lower Upper

168 100

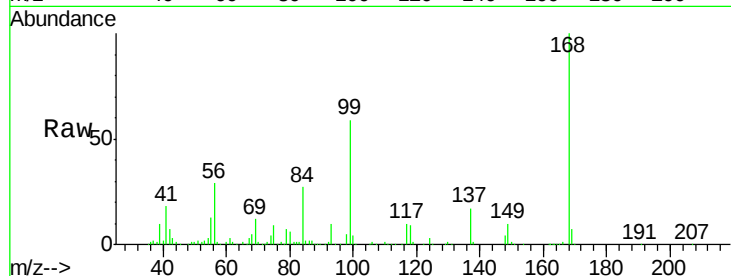
99 59.2 45.4 68.0

Manual Integrations

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4/1/2019 5:30:20 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

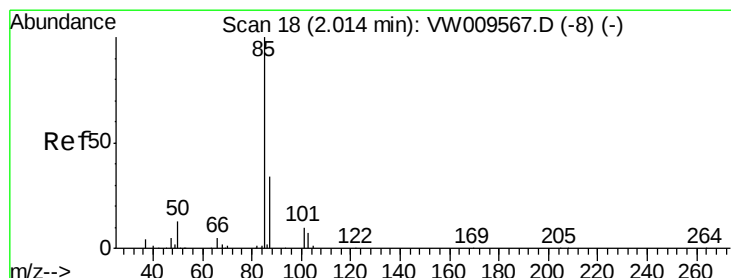
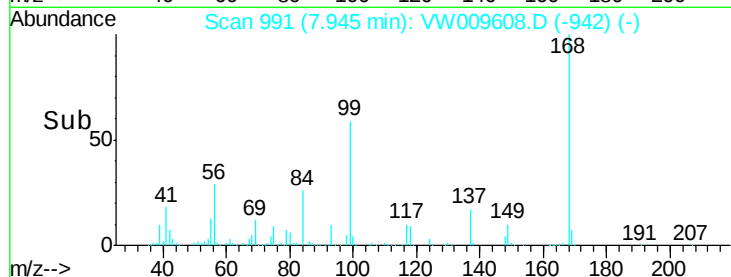
100000

50000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 21.398 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW009608.D

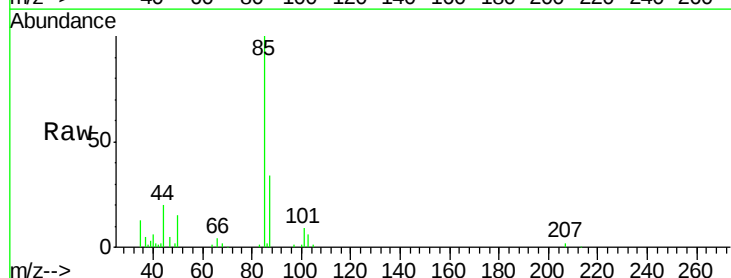
Acq: 31 Mar 2019 14:04

Tgt Ion: 85 Resp: 41086

Ion Ratio Lower Upper

85 100

87 34.4 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

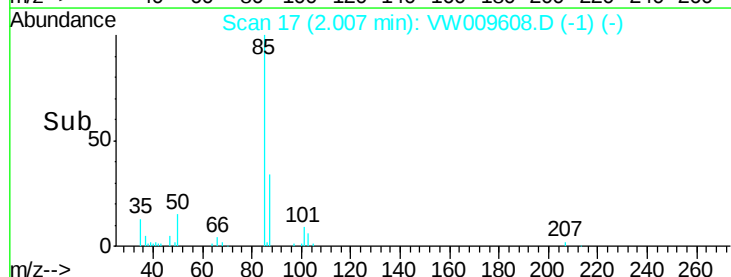
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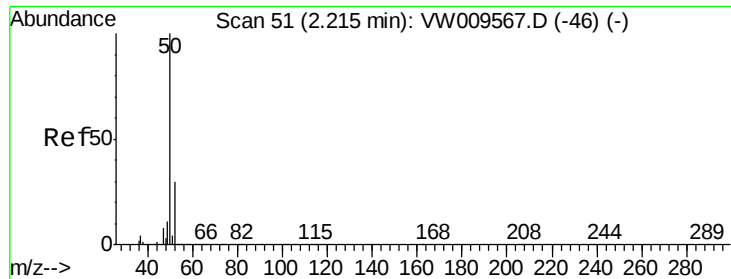
5000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 18.401 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW009608.D

Acq: 31 Mar 2019 14:04

Instrument :

MSVOA_W

ClientSampleId :

VW0331SBS01

Tot Ion: 50 Resp: 45572

Ion Ratio Lower Upper

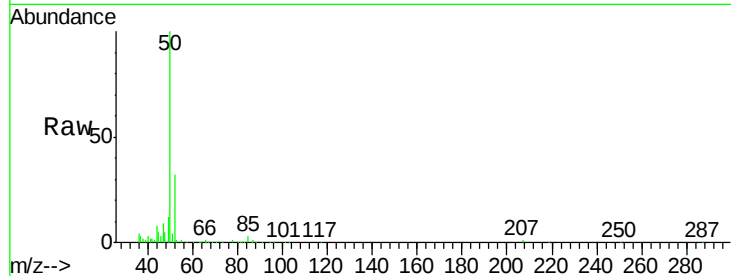
50 100

52 31.8 27.2 40.8

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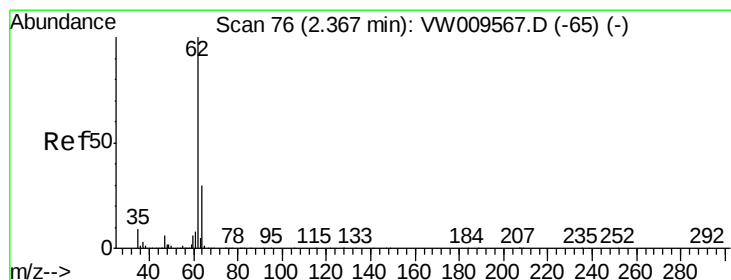
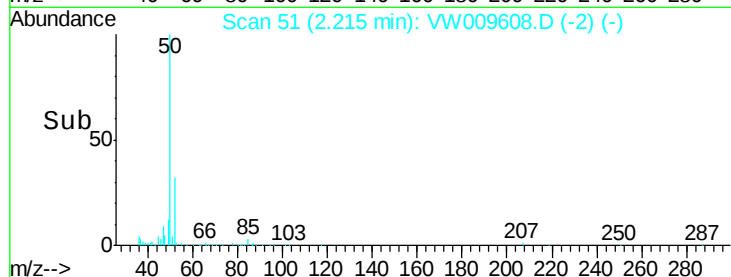
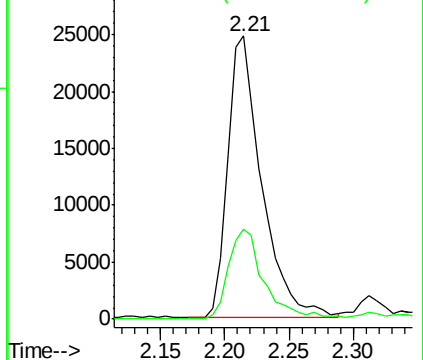
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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 20.267 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW009608.D

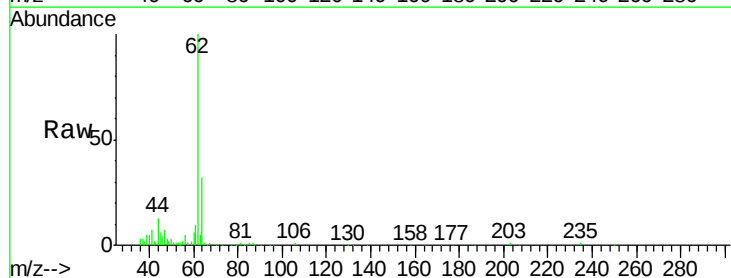
Acq: 31 Mar 2019 14:04

Tgt Ion: 62 Resp: 67036

Ion Ratio Lower Upper

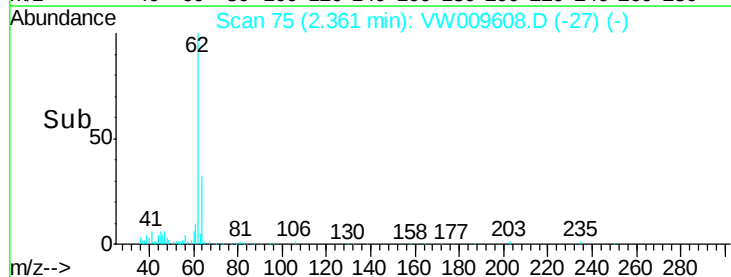
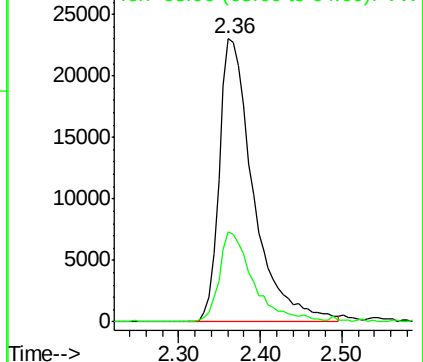
62 100

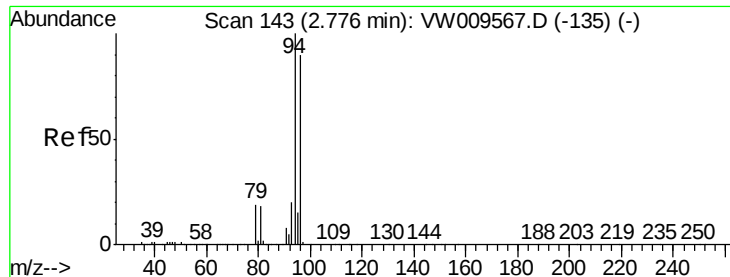
64 31.5 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 19.286 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW009608.D

Acq: 31 Mar 2019 14:04

Instrument :

MSVOA_W

ClientSampleId :

VW0331SBS01

Tot Ion: 94 Resp: 49217

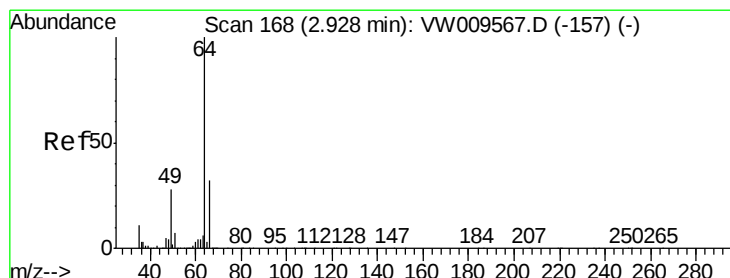
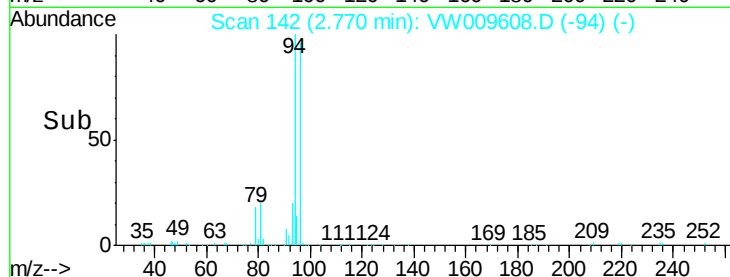
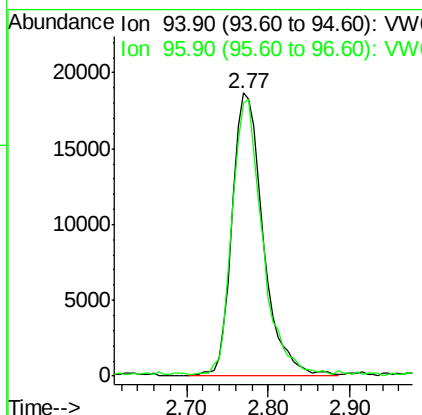
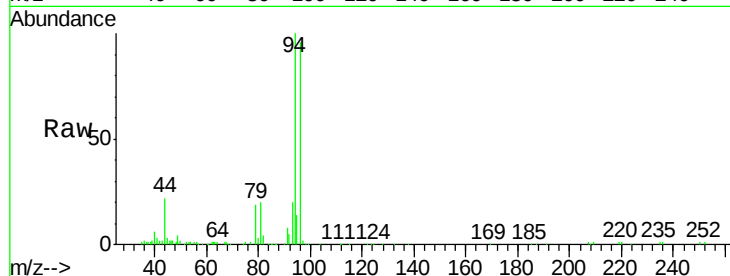
Ion Ratio Lower Upper

94 100

96 95.6 71.4 107.2

Manual Integrations
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4/1/2019 5:30:20 PM



#6

Chloroethane

Concen: 19.124 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW009608.D

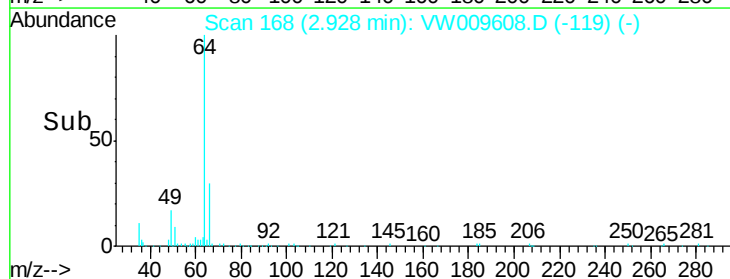
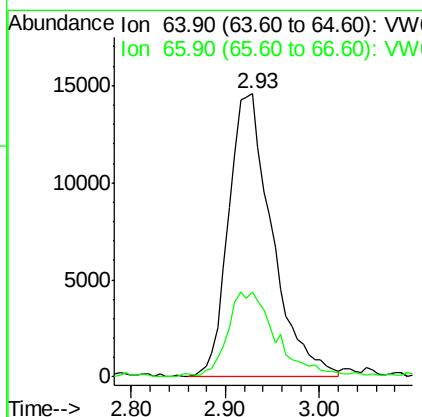
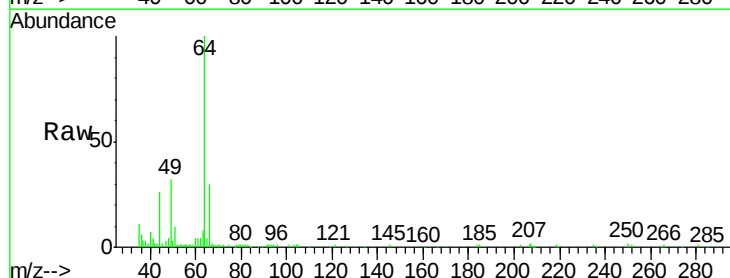
Acq: 31 Mar 2019 14:04

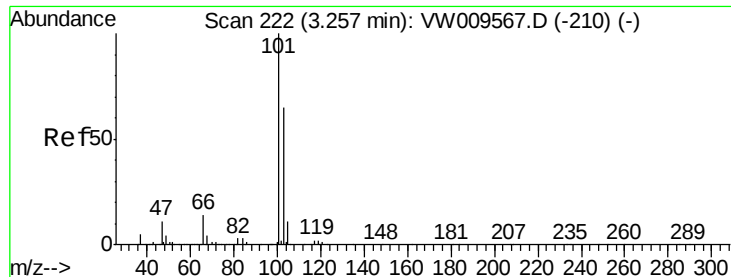
Tgt Ion: 64 Resp: 46847

Ion Ratio Lower Upper

64 100

66 29.2 26.2 39.2





#7

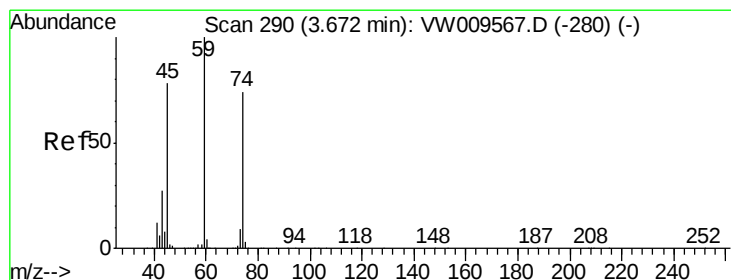
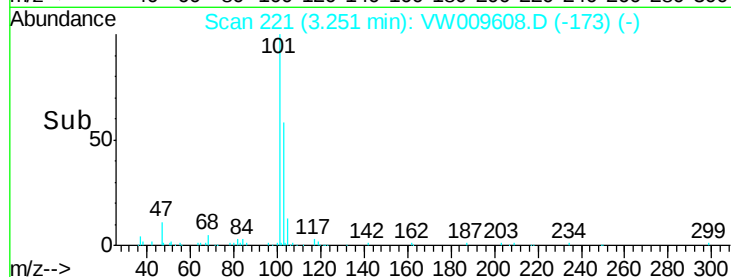
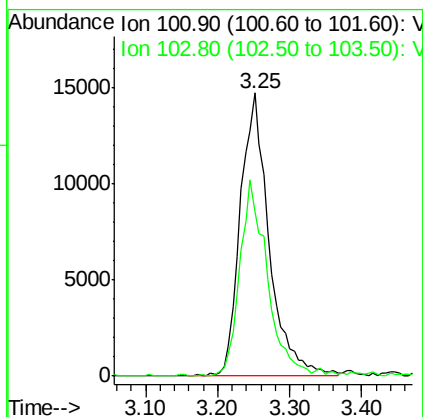
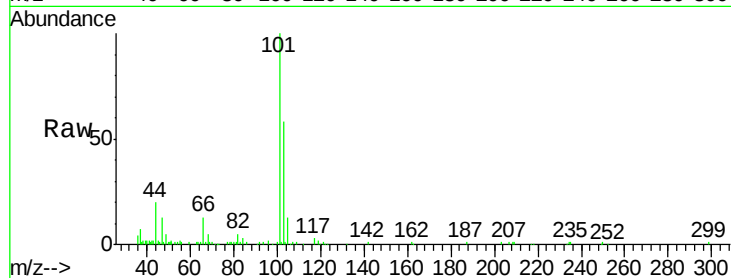
Trichlorofluoromethane
Concen: 18.136 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW009608.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	57.9	50.5	75.7

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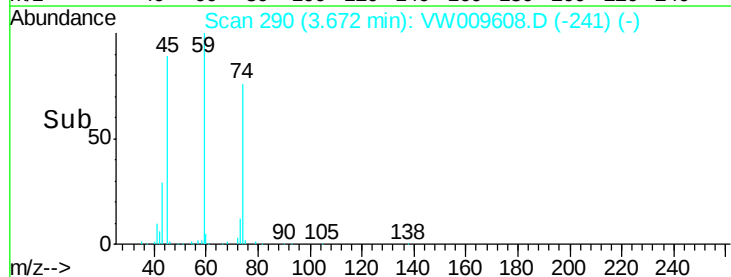
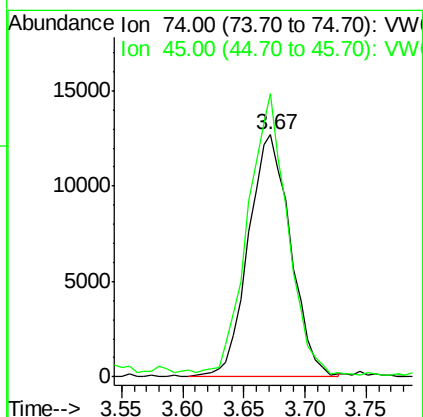
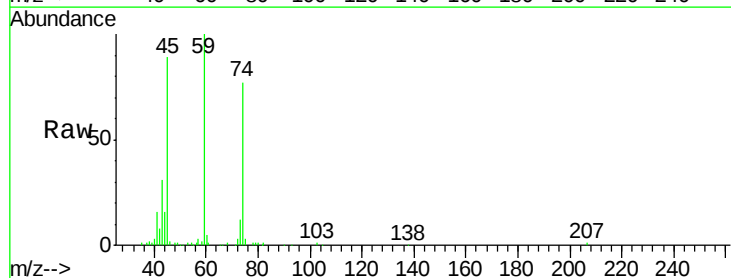
MMDadoda
4/1/2019 5:30:20 PM

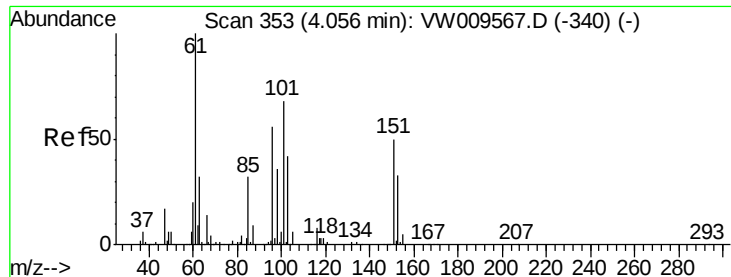


#8

Diethyl Ether
Concen: 20.139 ug/l
RT: 3.67 min Scan# 290
Delta R.T. 0.00 min
Lab File: VW009608.D
Acq: 31 Mar 2019 14:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	109.1	50.6	151.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.285 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW009608.D

Acq: 31 Mar 2019 14:04

Instrument :

MSVOA_W

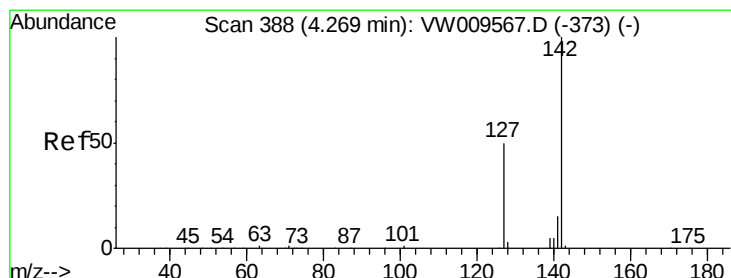
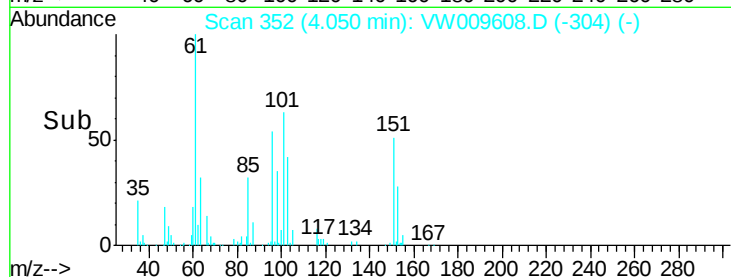
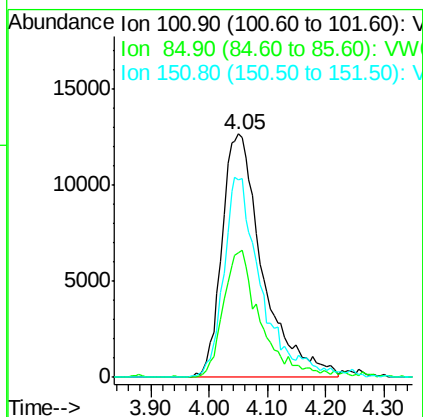
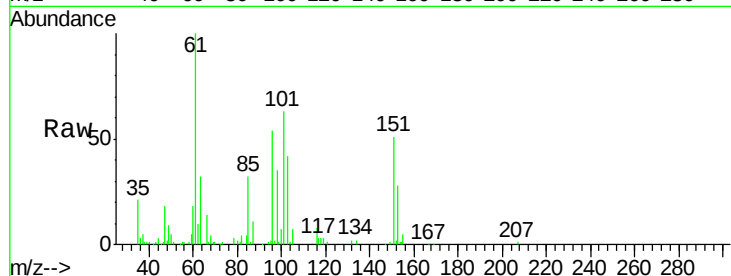
ClientSampleId :

VW0331SBS01

Tot Ion:	101	Resp:	61510
Ion Ratio	Lower	Upper	
101	100		
85	46.9	35.1	52.7
151	71.1	62.9	94.3

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#10

Methyl Iodide

Concen: 18.859 ug/l

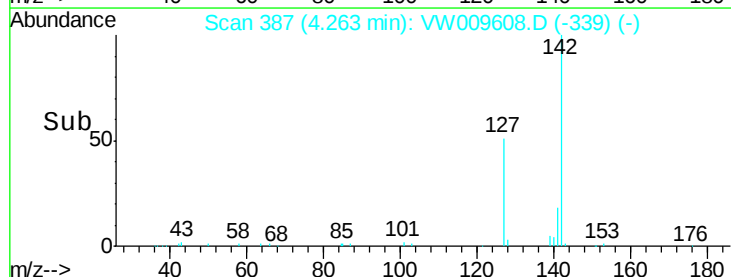
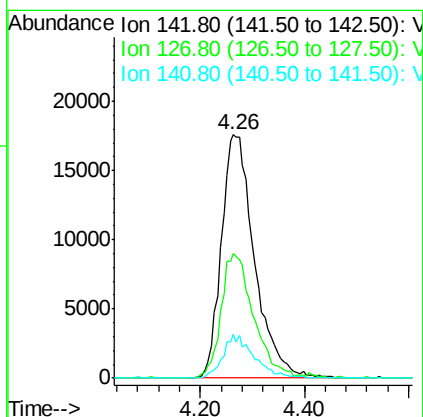
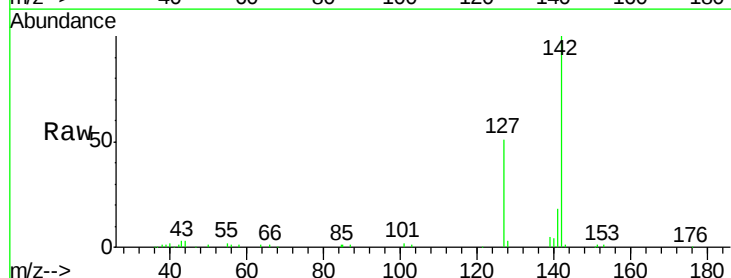
RT: 4.26 min Scan# 387

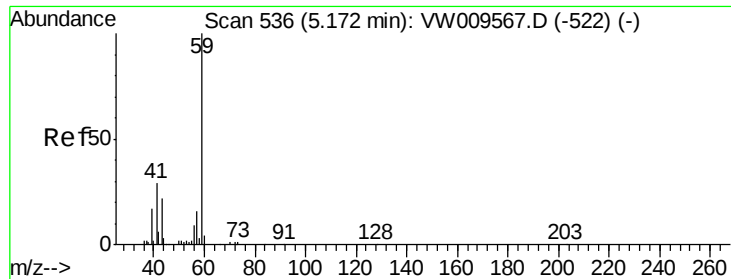
Delta R.T. -0.01 min

Lab File: VW009608.D

Acq: 31 Mar 2019 14:04

Tgt Ion:	142	Resp:	78030
Ion Ratio	Lower	Upper	
142	100		
127	50.2	35.9	53.9
141	16.8	11.4	17.2





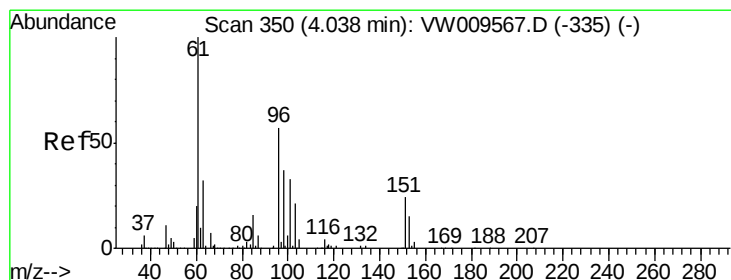
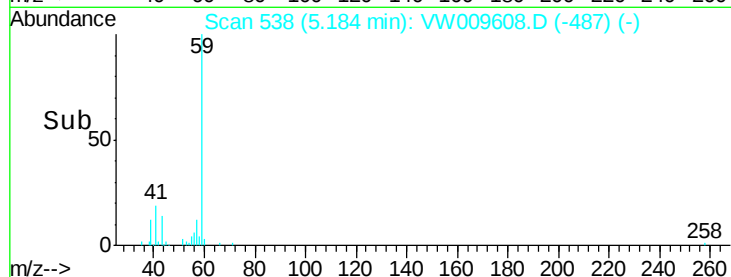
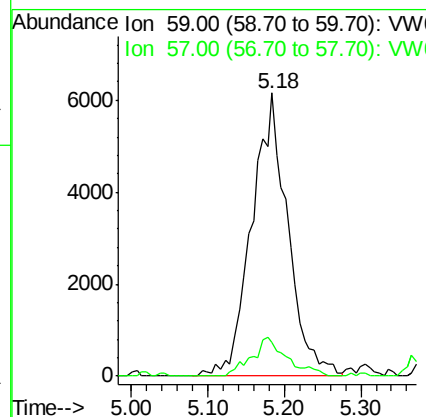
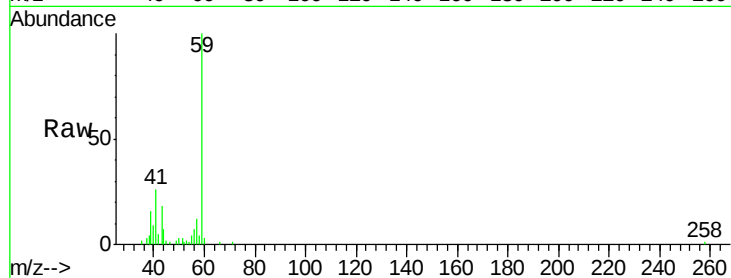
#11
Tert butyl alcohol
Concen: 103.414 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.01 min
Lab File: VW009608.D
Acq: 31 Mar 2019 14:04

Instrument :
MSVOA_W
ClientSampleId :
VW0331SBS01

Tot Ion: 59 Resp: 20158
Ion Ratio Lower Upper
59 100
57 13.4 9.4 14.0

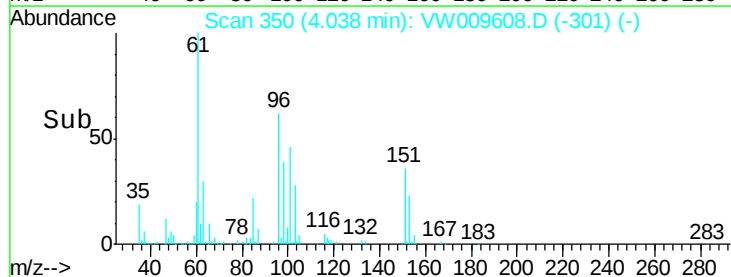
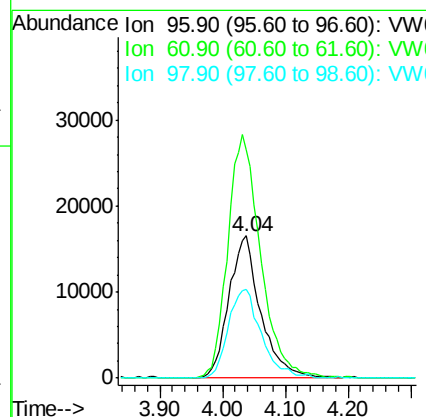
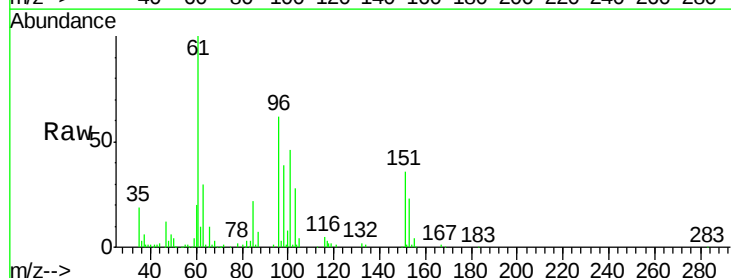
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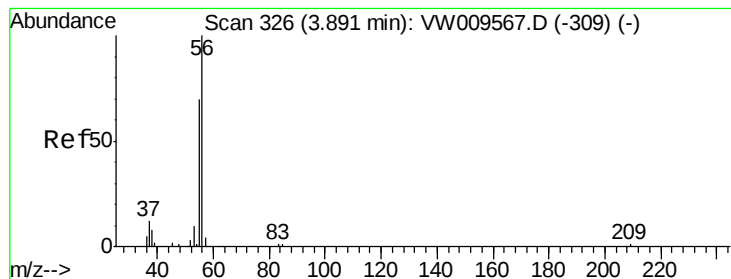
MMDadoda
4/1/2019 5:30:20 PM



#12
1,1-Dichloroethene
Concen: 20.462 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW009608.D
Acq: 31 Mar 2019 14:04

Tgt Ion: 96 Resp: 58064
Ion Ratio Lower Upper
96 100
61 160.4 138.0 207.0
98 61.9 49.8 74.8





#13

Acrolein

Concen: 90.250 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW009608.D

Acq: 31 Mar 2019 14:04

Instrument :

MSVOA_W

ClientSampleId :

VW0331SBS01

Tot Ion: 56 Resp: 12903

Ion Ratio Lower Upper

56 100

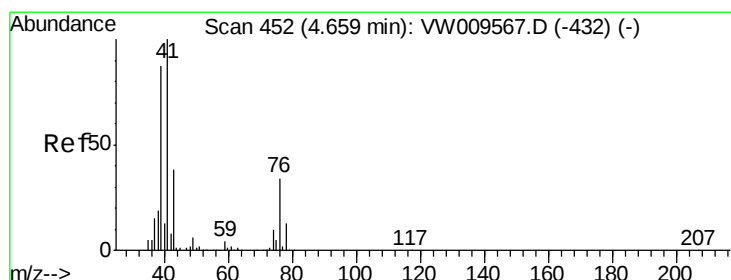
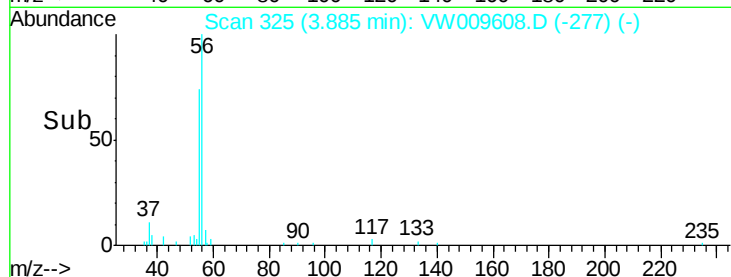
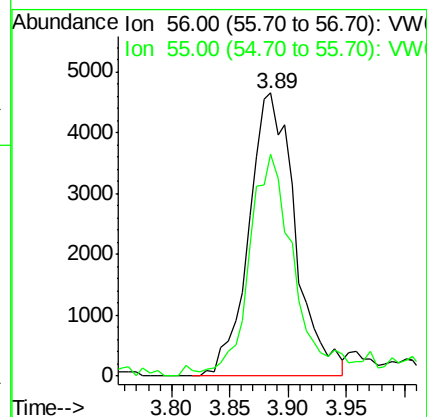
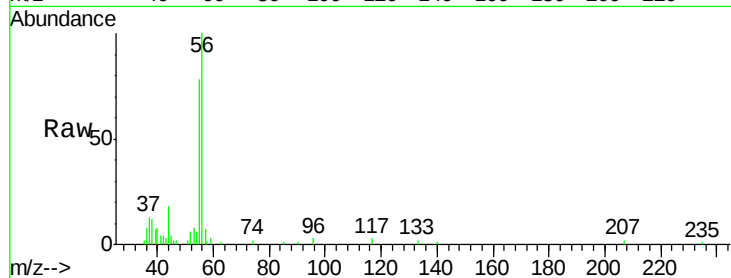
55 68.0 55.2 82.8

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#14

Allyl chloride

Concen: 17.024 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW009608.D

Acq: 31 Mar 2019 14:04

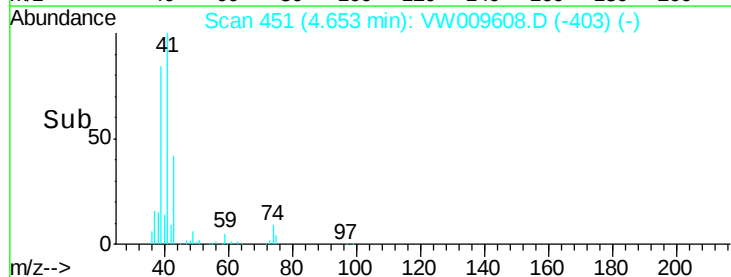
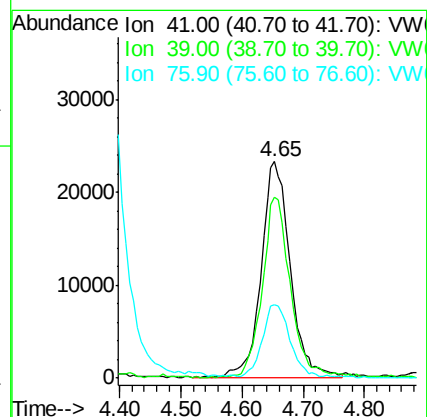
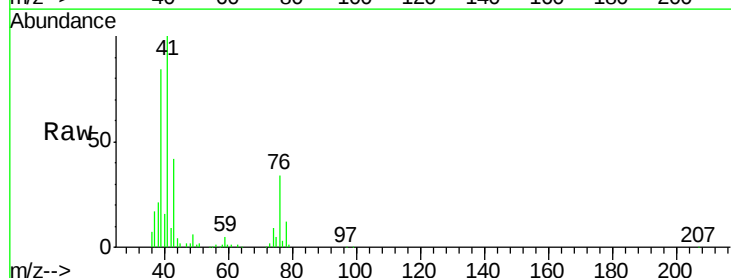
Tgt Ion: 41 Resp: 77266

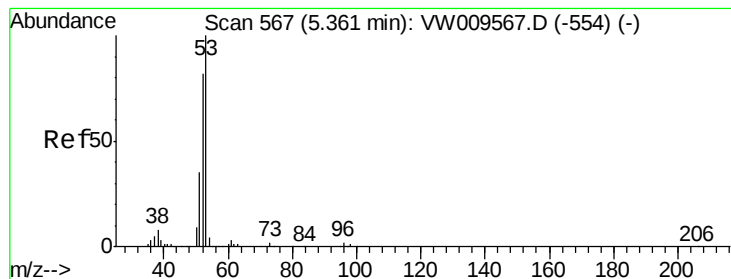
Ion Ratio Lower Upper

41 100

39 80.0 63.8 95.6

76 30.6 27.8 41.6





#15

Acrylonitrile

Concen: 96.385 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW009608.D

Acq: 31 Mar 2019 14:04

Instrument :

MSVOA_W

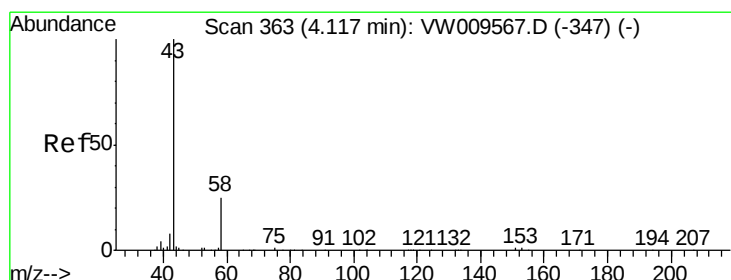
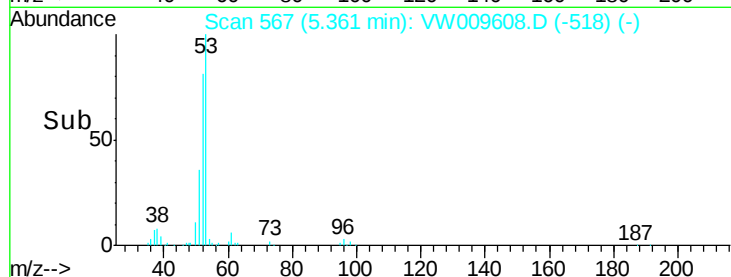
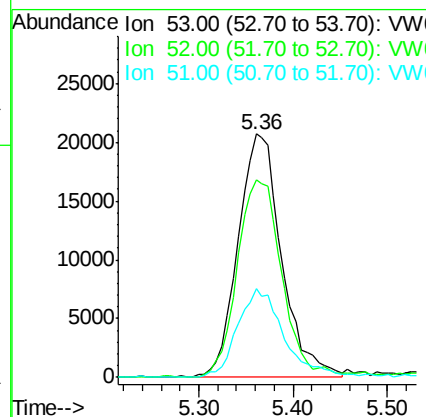
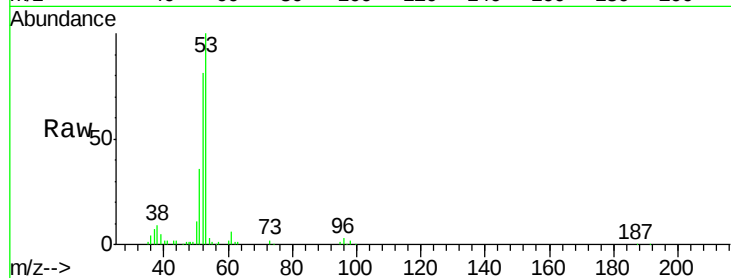
ClientSampleId :

VW0331SBS01

Tot Ion:	53	Resp:	66858
Ion	Ratio	Lower	Upper
53	100		
52	83.2	67.6	101.4
51	38.6	30.6	45.8

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#16

Acetone

Concen: 102.353 ug/l

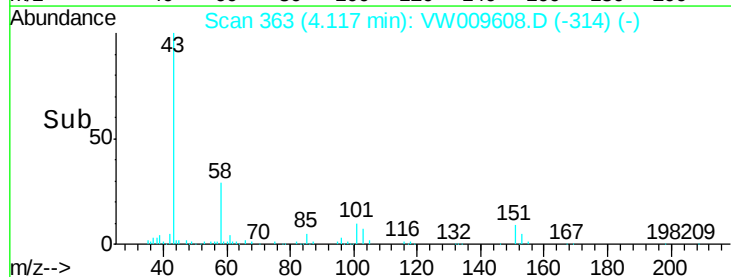
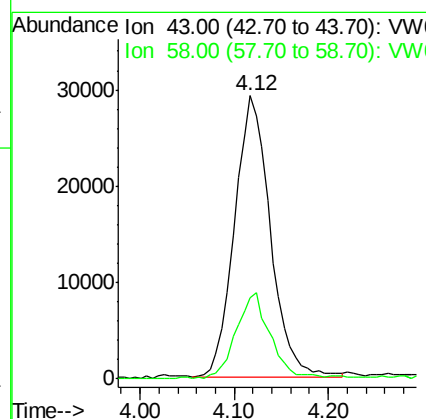
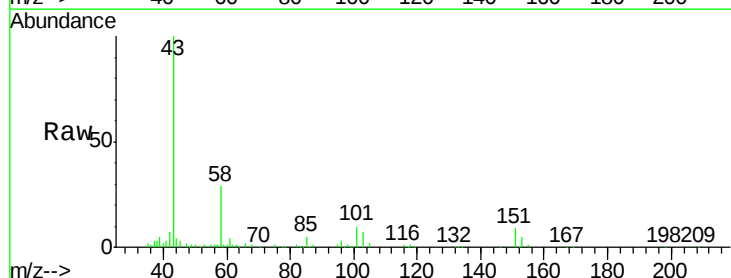
RT: 4.12 min Scan# 363

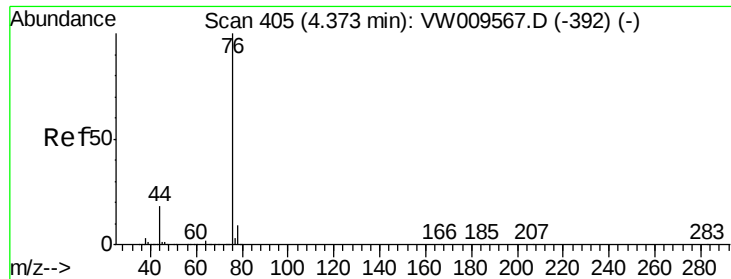
Delta R.T. 0.00 min

Lab File: VW009608.D

Acq: 31 Mar 2019 14:04

Tgt Ion:	43	Resp:	77366
Ion	Ratio	Lower	Upper
43	100		
58	28.8	23.6	35.4





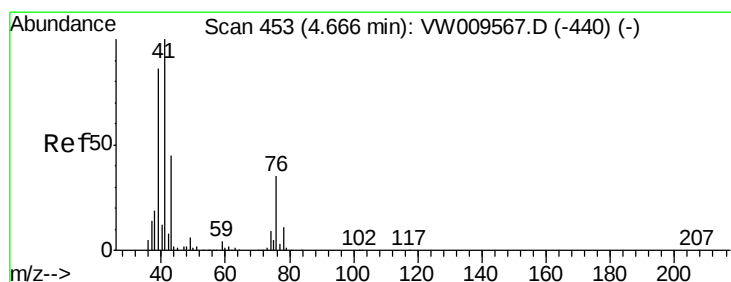
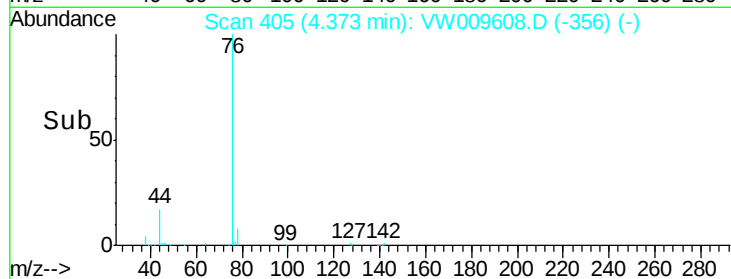
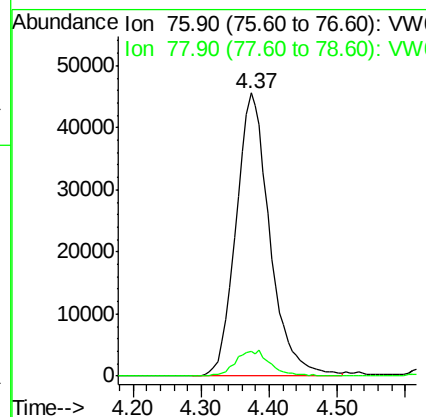
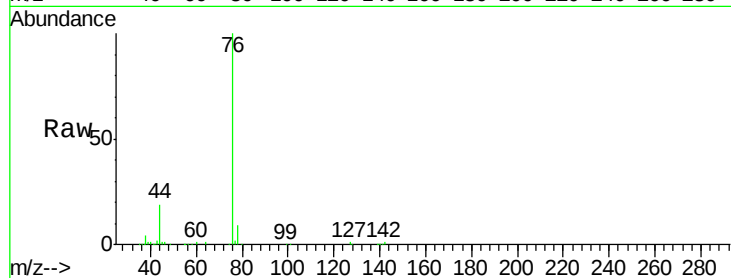
#17
Carbon Disulfide
Concen: 19.461 ug/l
RT: 4.37 min Scan# 405
Delta R.T. 0.00 min
Lab File: VW009608.D
Acq: 31 Mar 2019 14:04

Instrument :
MSVOA_W
ClientSampleId :
VW0331SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	6.6	9.8

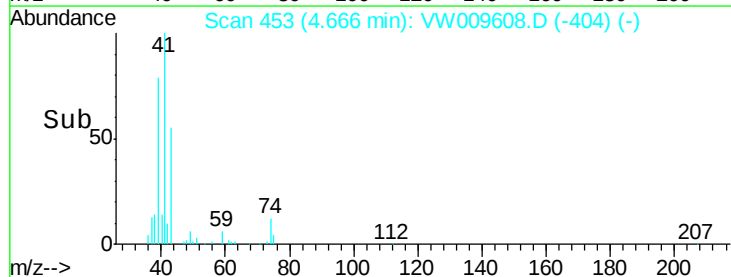
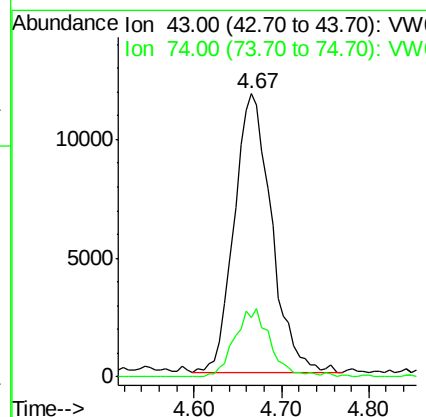
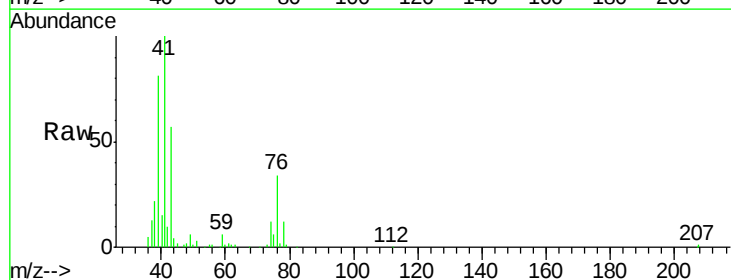
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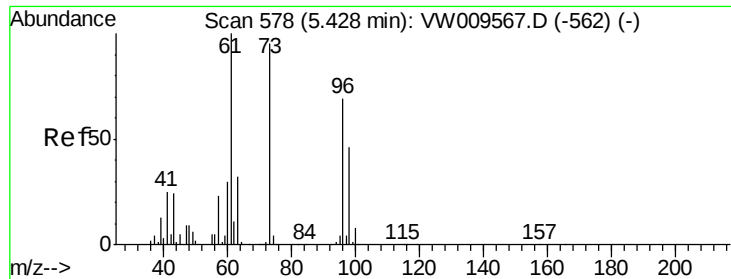
MMDadoda
4/1/2019 5:30:20 PM



#18
Methyl Acetate
Concen: 19.121 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW009608.D
Acq: 31 Mar 2019 14:04

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.6	17.7	26.5





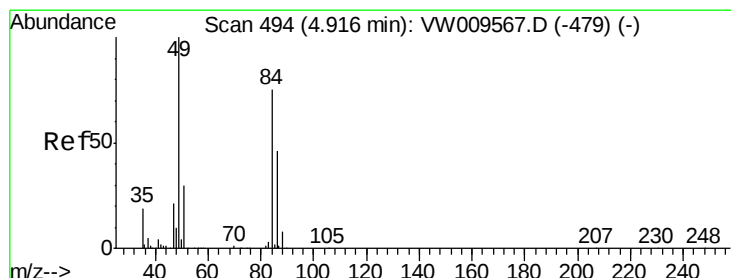
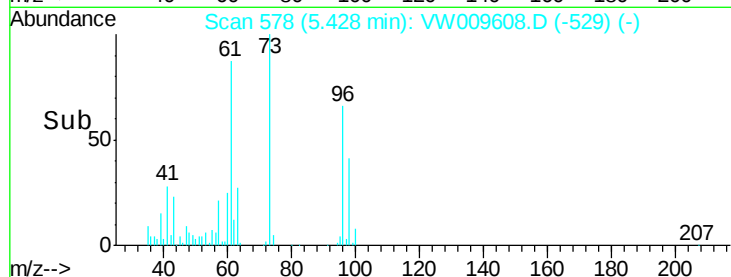
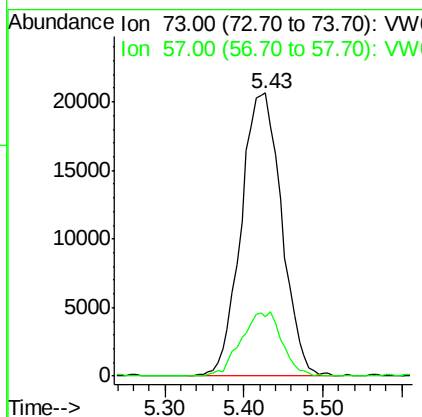
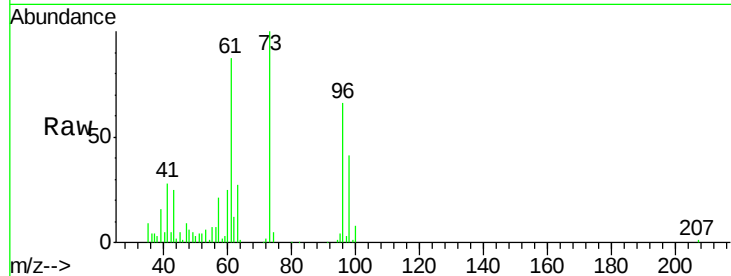
#19
Methvl tert-butvl Ether
Concen: 18.702 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW009608.D
Acq: 31 Mar 2019 14:04

Instrument :
MSVOA_W
ClientSampleId :
VW0331SBS01

Tot Ion: 73 Resp: 73812
Ion Ratio Lower Upper
73 100
57 21.1 17.0 25.6

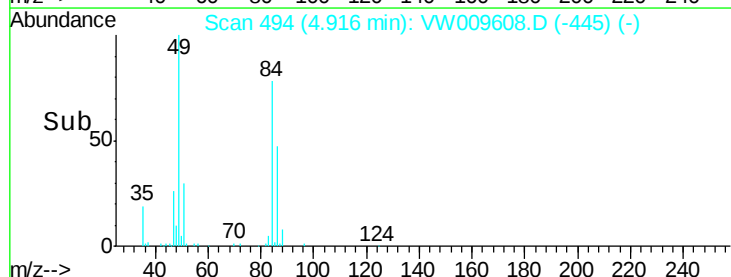
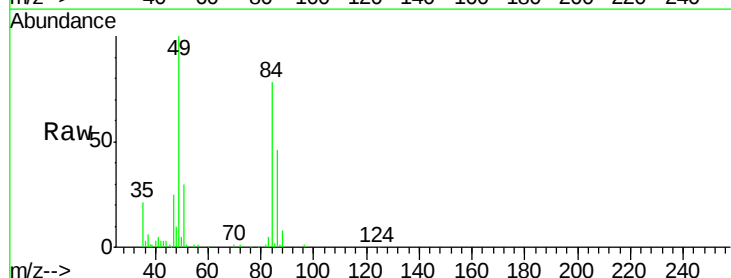
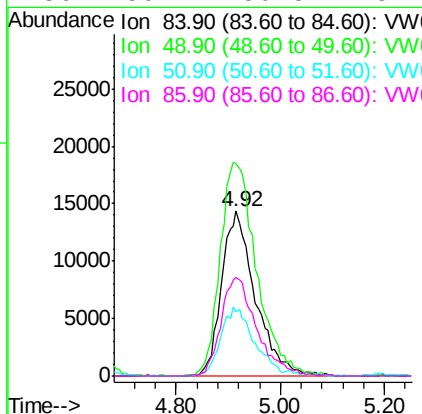
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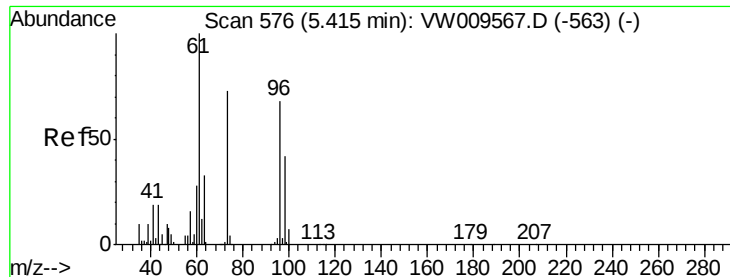
MMDadoda
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#20
Methylene Chloride
Concen: 19.558 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW009608.D
Acq: 31 Mar 2019 14:04

Tgt Ion: 84 Resp: 65000
Ion Ratio Lower Upper
84 100
49 128.9 99.1 148.7
51 38.8 28.7 43.1
86 59.7 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 19.904 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW009608.D

Acq: 31 Mar 2019 14:04

Instrument :

MSVOA_W

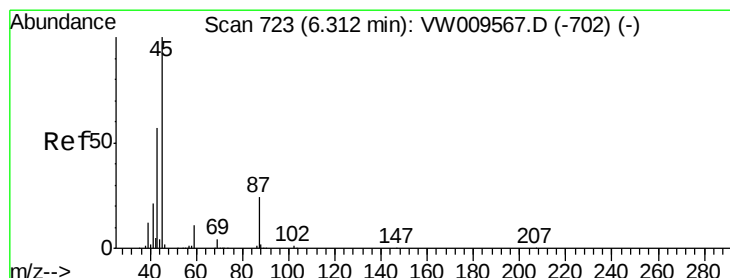
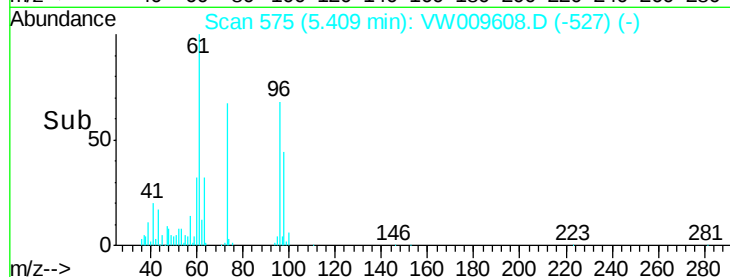
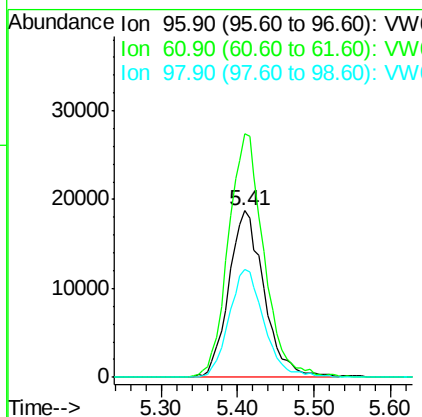
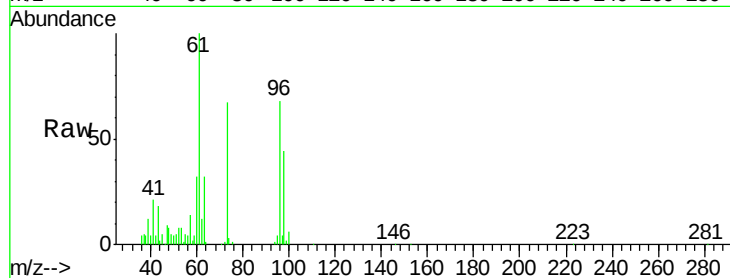
ClientSampleId :

VW0331SBS01

Tot Ion:	96	Resp:	59967
Ion	Ratio	Lower	Upper
96	100		
61	146.5	108.2	162.4
98	65.1	50.9	76.3

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#22

Diisopropyl ether

Concen: 19.592 ug/l

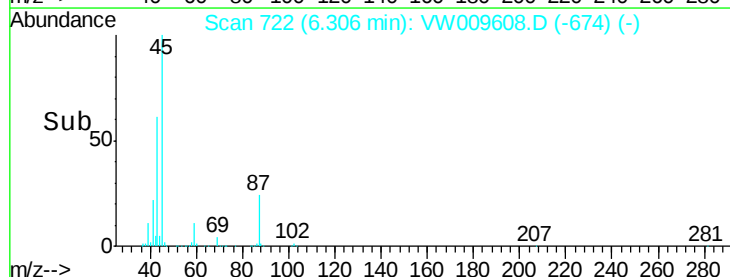
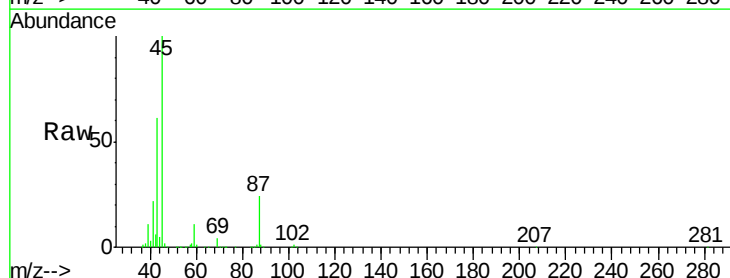
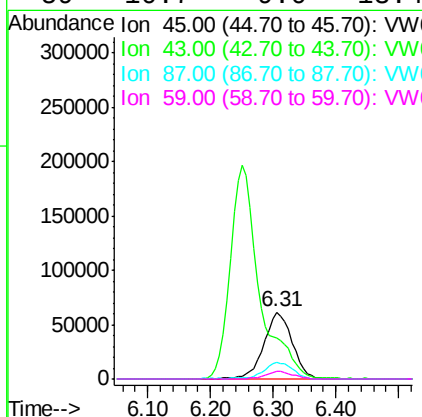
RT: 6.31 min Scan# 722

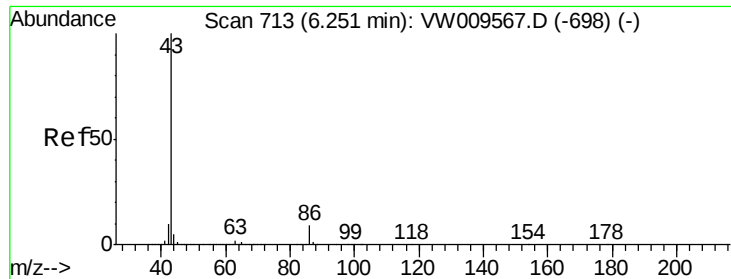
Delta R.T. -0.01 min

Lab File: VW009608.D

Acq: 31 Mar 2019 14:04

Tgt Ion:	45	Resp:	192040
Ion	Ratio	Lower	Upper
45	100		
43	60.8	47.9	71.9
87	24.2	20.6	30.8
59	10.7	9.0	13.4





#23

Vinyl Acetate

Concen: 103.534 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW009608.D

Acq: 31 Mar 2019 14:04

Instrument :

MSVOA_W

ClientSampleId :

VW0331SBS01

Tot Ion: 43 Resp: 633096

Ion Ratio Lower Upper

43 100

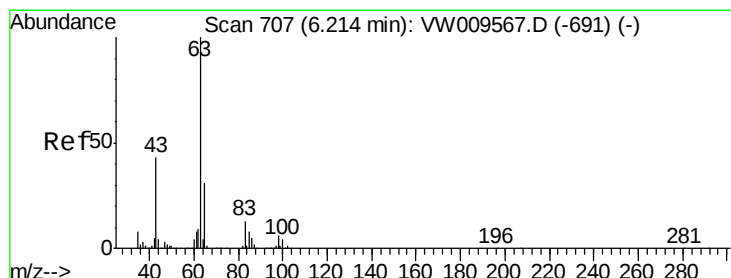
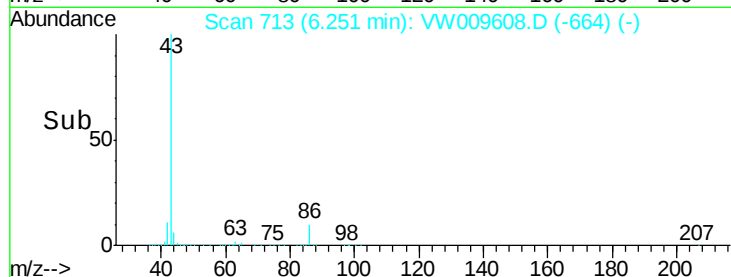
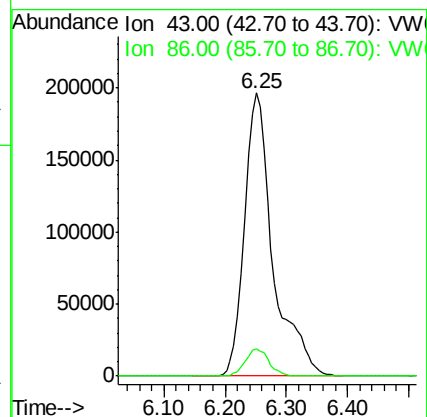
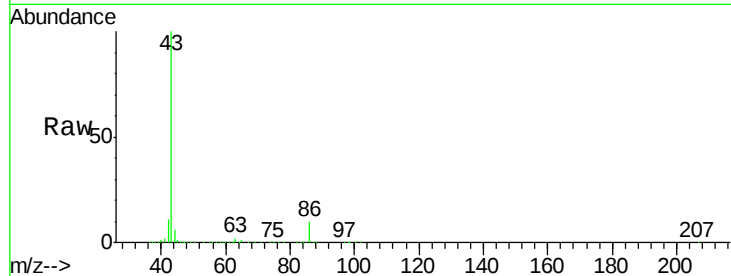
86 9.9 7.7 11.5

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#24

1,1-Dichloroethane

Concen: 20.182 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW009608.D

Acq: 31 Mar 2019 14:04

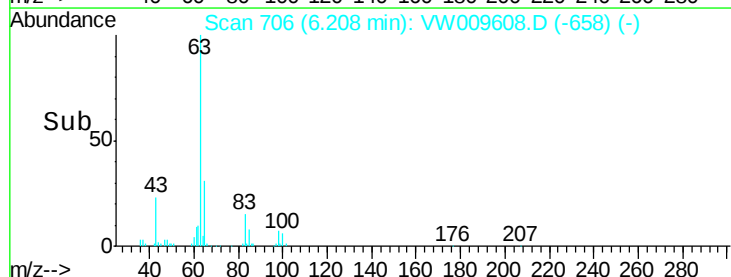
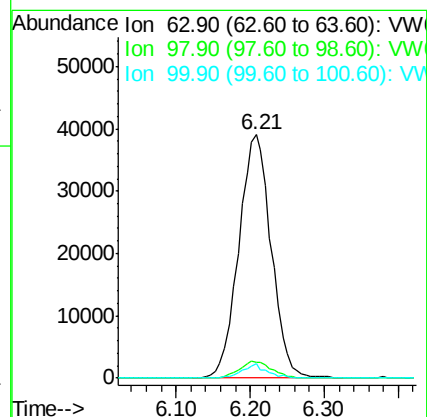
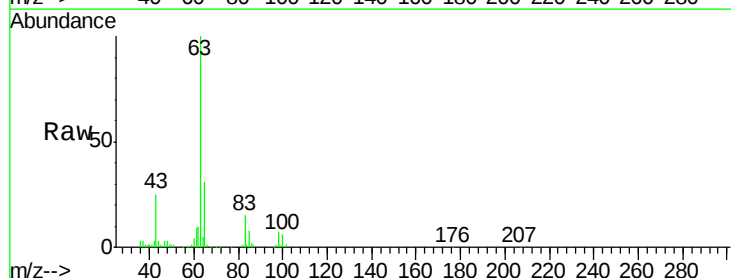
Tgt Ion: 63 Resp: 119069

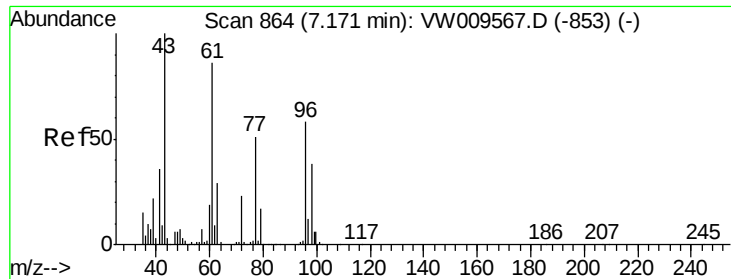
Ion Ratio Lower Upper

63 100

98 6.6 3.7 11.1

100 5.7 2.4 7.1





#25

2-Butanone

Concen: 106.245 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW009608.D

Acq: 31 Mar 2019 14:04

Instrument :

MSVOA_W

ClientSampleId :

VW0331SBS01

Tot Ion: 43 Resp: 110977

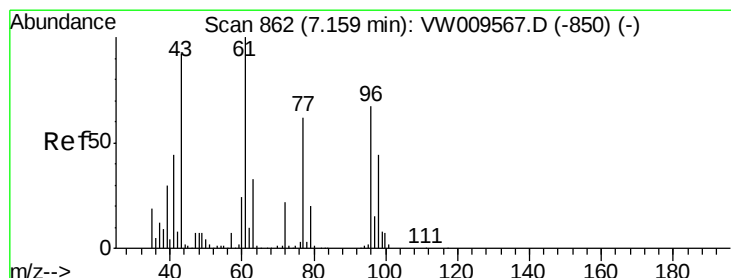
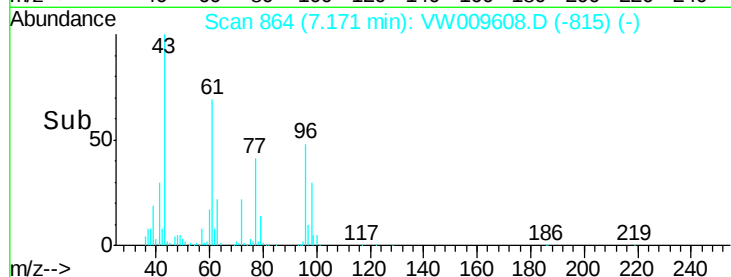
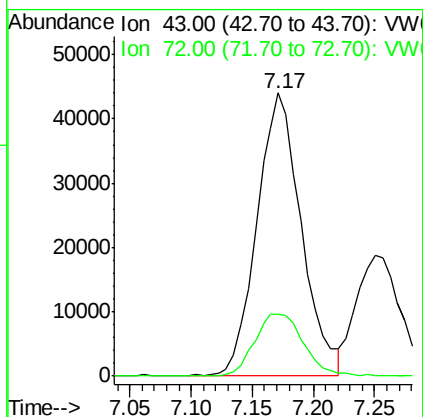
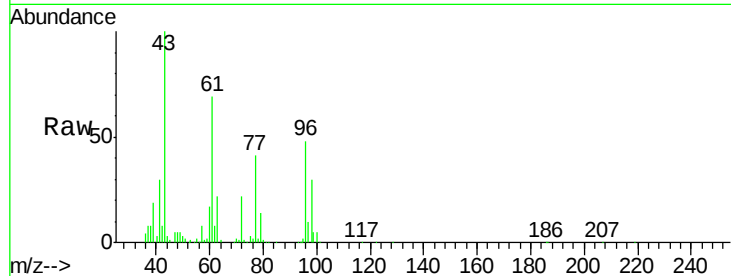
Ion Ratio Lower Upper

43 100

72 21.9 20.0 30.0

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 19.023 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW009608.D

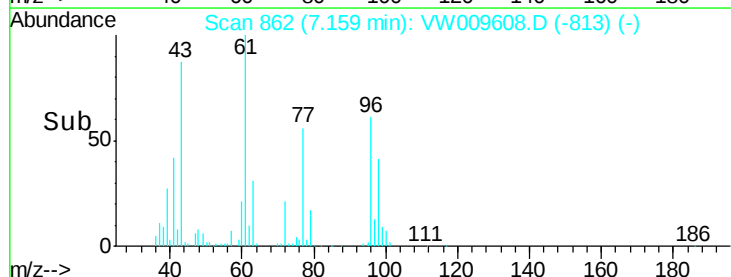
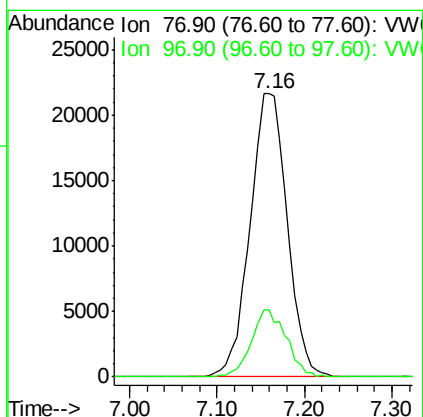
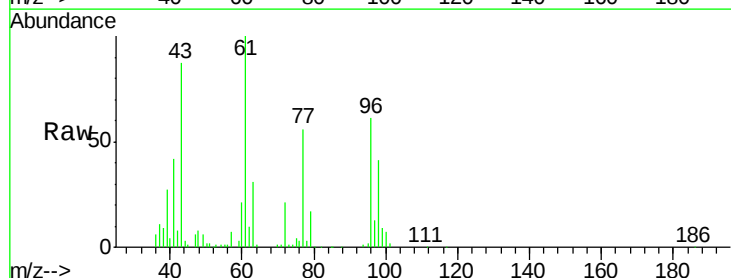
Acq: 31 Mar 2019 14:04

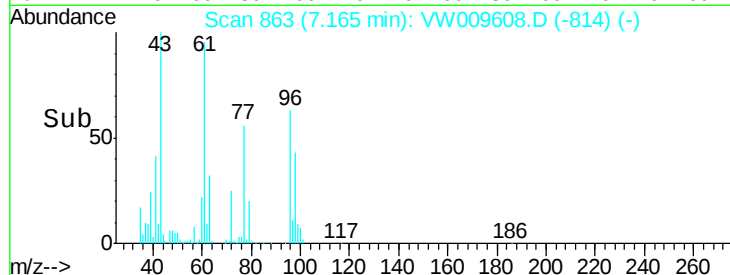
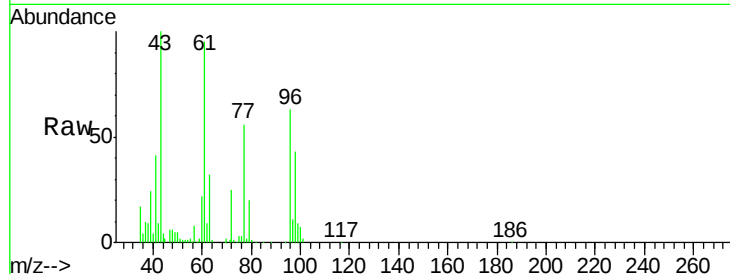
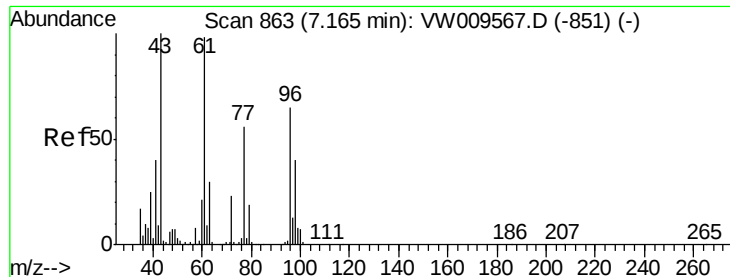
Tgt Ion: 77 Resp: 64165

Ion Ratio Lower Upper

77 100

97 22.2 11.6 34.7





#27

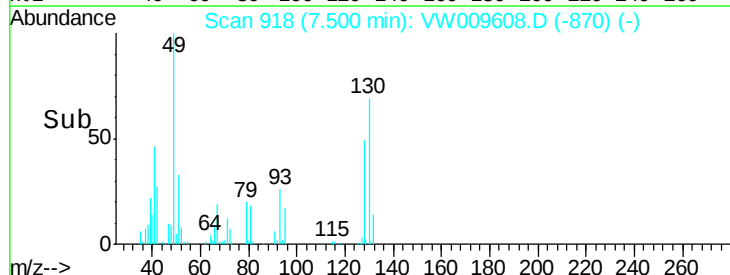
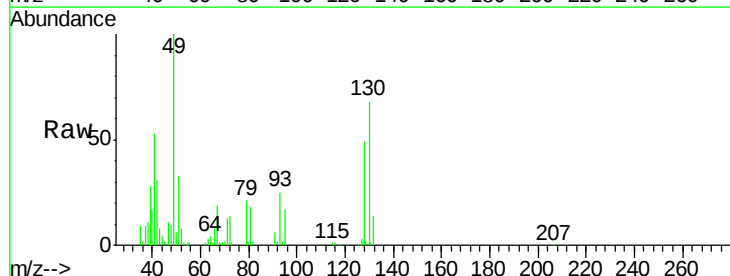
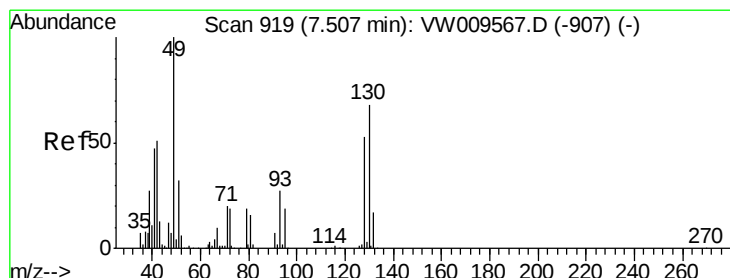
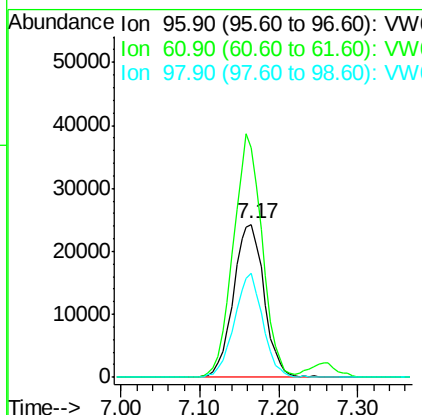
cis-1,2-Dichloroethene
Concen: 19.951 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW009608.D
Acq: 31 Mar 2019 14:04

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.6	0.0	289.8
98	63.1	0.0	130.8

Instrument :
MSVOA_W
ClientSampled :
VW0331SBS01

Manual Integrations
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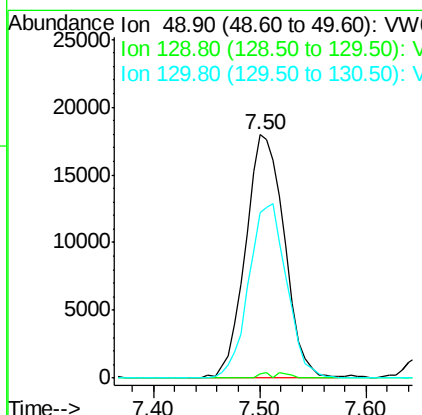
MMDadoda
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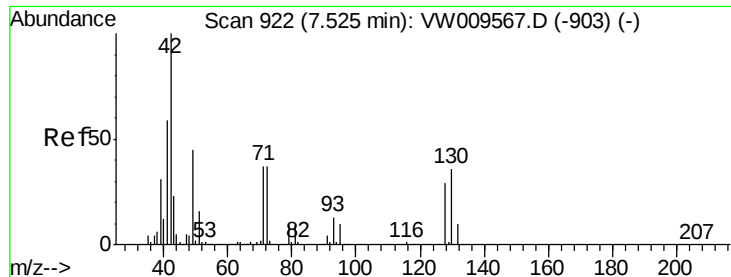


#28

Bromochloromethane
Concen: 17.992 ug/l
RT: 7.50 min Scan# 918
Delta R.T. -0.01 min
Lab File: VW009608.D
Acq: 31 Mar 2019 14:04

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	1.4
130	0.0	58.6	88.0#





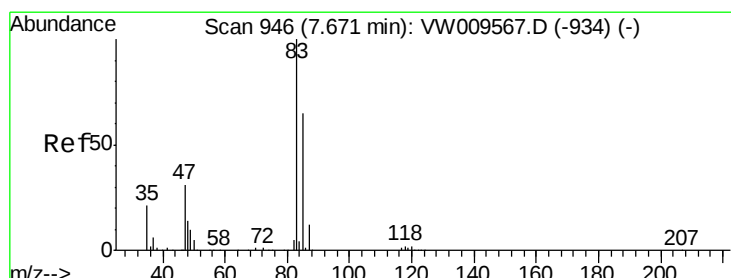
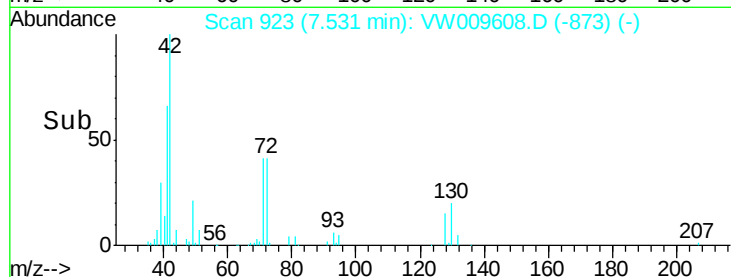
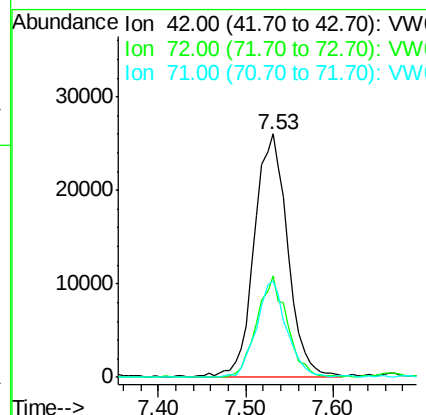
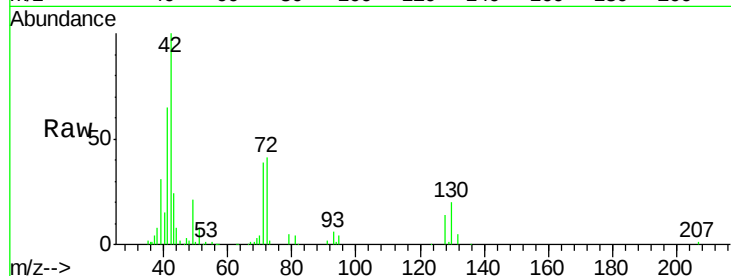
#29
Tetrahydrofuran
Concen: 106.122 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW009608.D
Acq: 31 Mar 2019 14:04

Instrument :
MSVOA_W
ClientSampleId :
VW0331SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.4	32.4	48.6
71	36.1	30.1	45.1

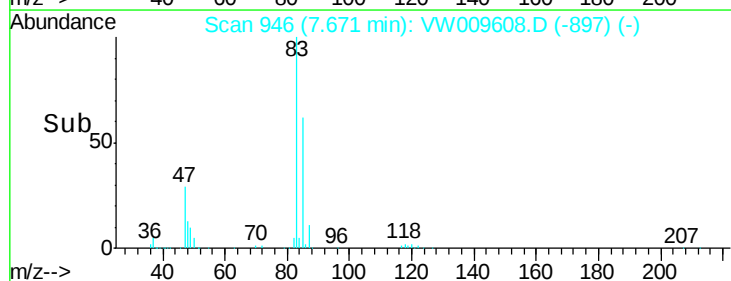
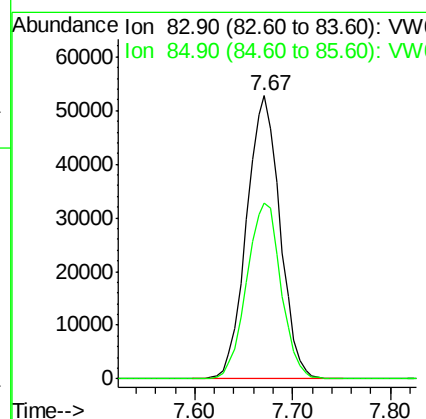
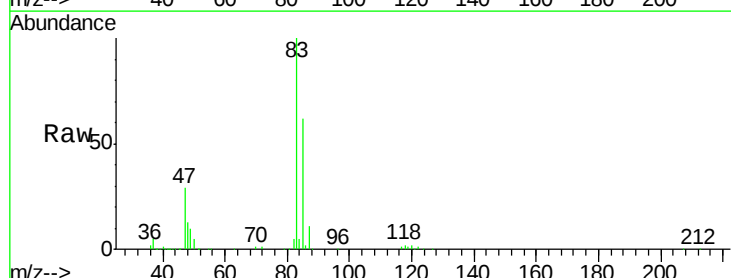
Manual Integrations
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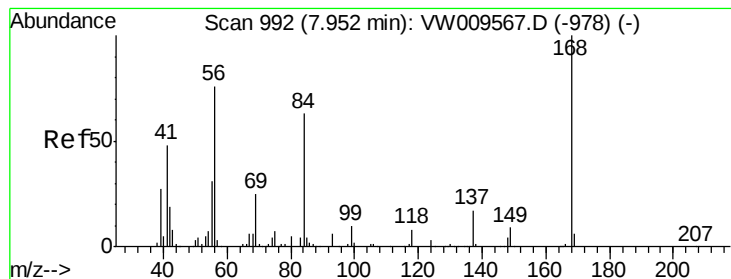
MMDadoda
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#30
Chloroform
Concen: 20.496 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW009608.D
Acq: 31 Mar 2019 14:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.9	51.0	76.6





#31

Cyclohexane

Concen: 19.231 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW009608.D

Acq: 31 Mar 2019 14:04

Instrument :

MSVOA_W

ClientSampled :

VW0331SBS01

Tot Ion: 56 Resp: 106367
Ion Ratio Lower Upper

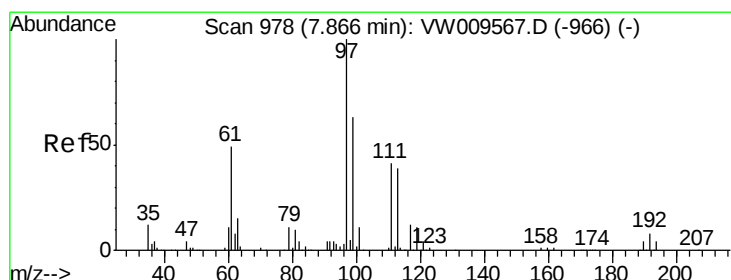
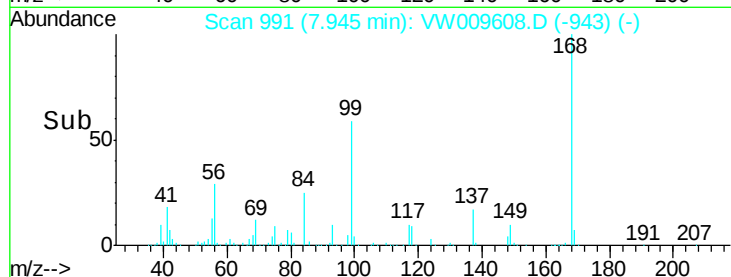
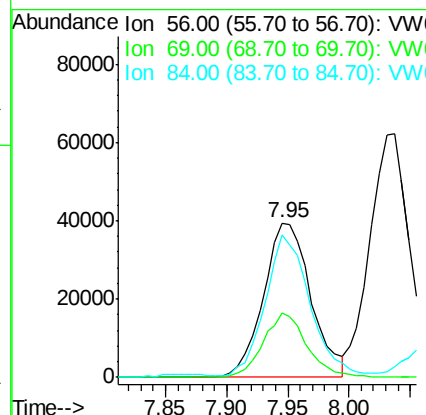
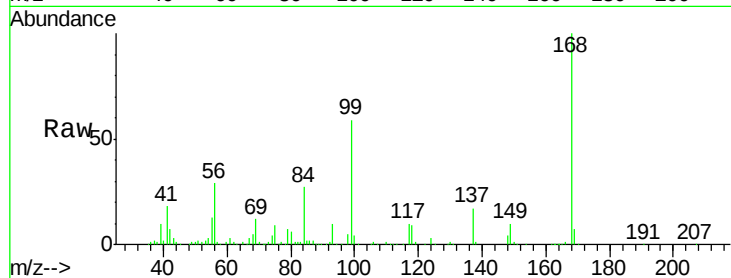
56 100

69 41.9 26.1 39.1#

84 90.0 68.6 103.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.217 ug/l

RT: 7.87 min Scan# 978

Delta R.T. 0.00 min

Lab File: VW009608.D

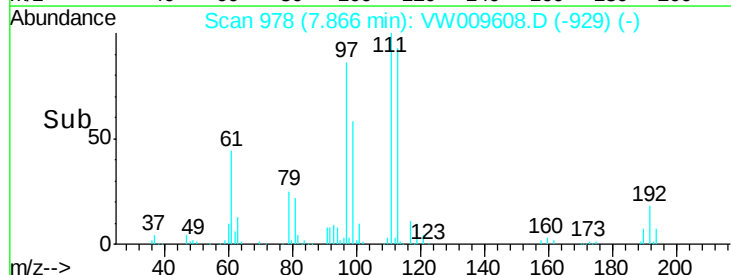
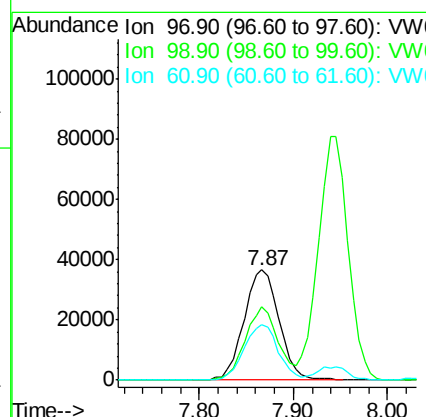
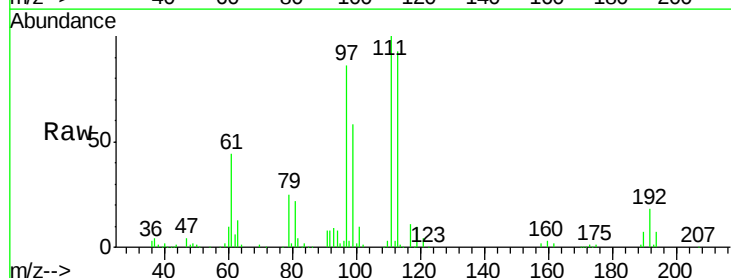
Acq: 31 Mar 2019 14:04

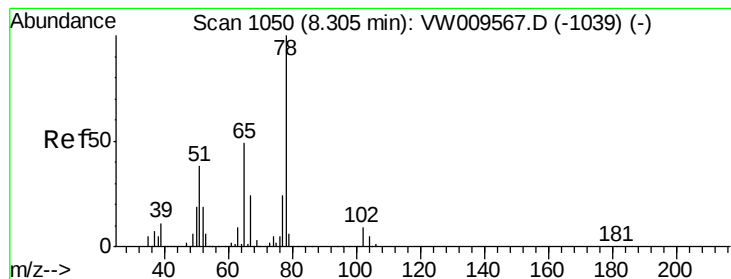
Tgt Ion: 97 Resp: 95060
Ion Ratio Lower Upper

97 100

99 63.3 51.9 77.9

61 49.5 36.8 55.2





#33

1,2-Dichloroethane-d4

Concen: 49.448 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW009608.D

Acq: 31 Mar 2019 14:04

Instrument :

MSVOA_W

ClientSampleId :

VW0331SBS01

Tot Ion: 65 Resp: 166241

Ion Ratio Lower Upper

65 100

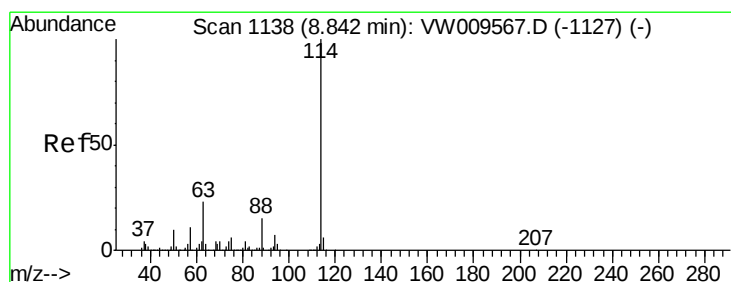
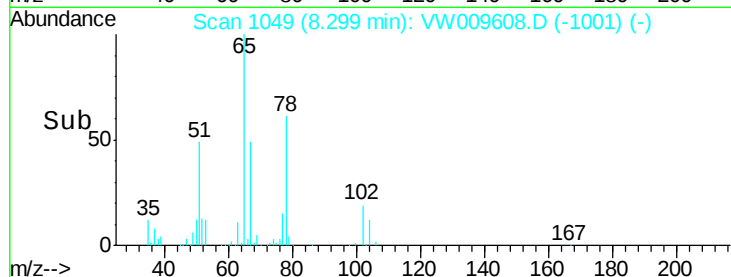
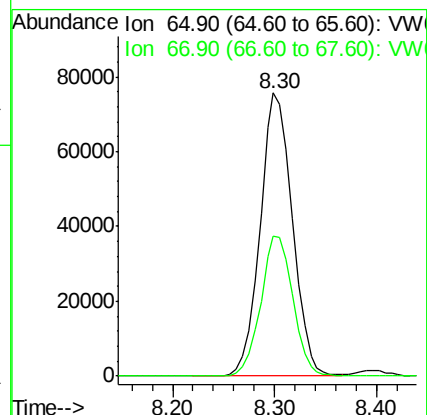
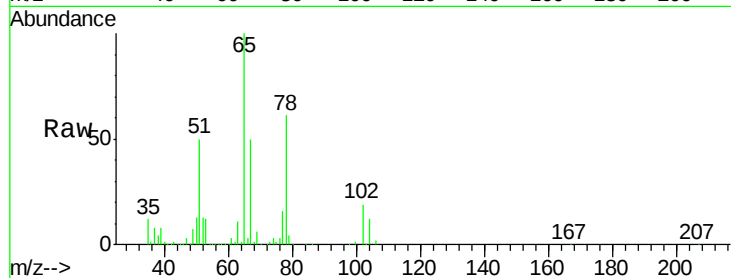
67 49.4 0.0 102.4

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: VW009608.D

Acq: 31 Mar 2019 14:04

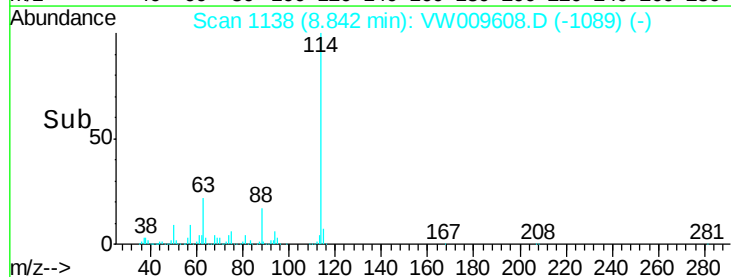
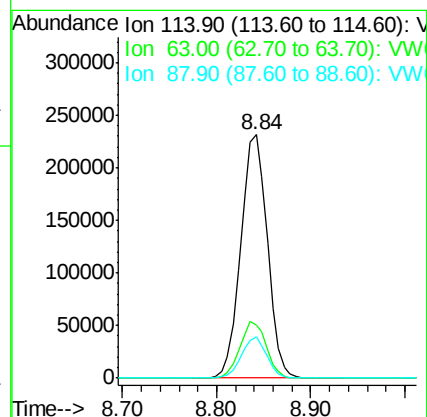
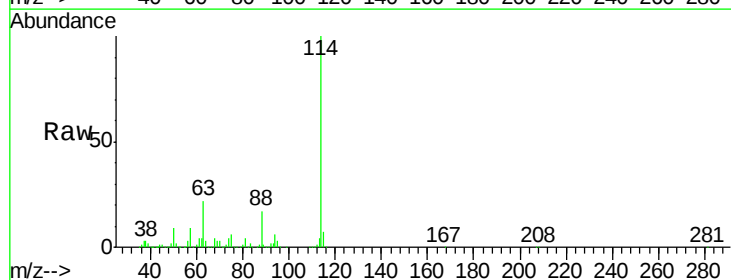
Tgt Ion: 114 Resp: 455309

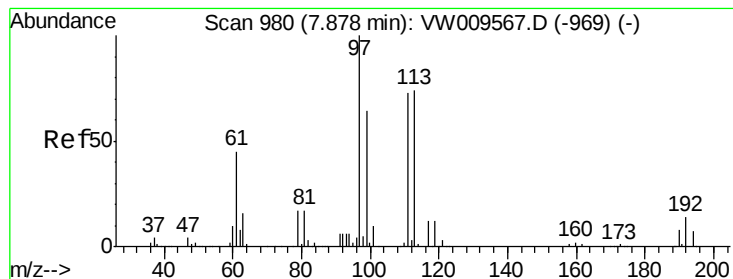
Ion Ratio Lower Upper

114 100

63 22.0 0.0 42.2

88 16.8 0.0 30.8





#35

Dibromofluoromethane

Concen: 48.967 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW009608.D

Acq: 31 Mar 2019 14:04

Instrument :

MSVOA_W

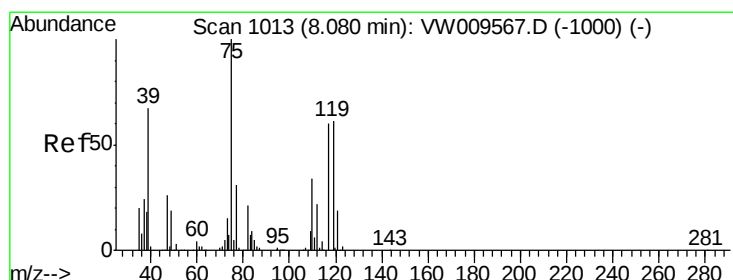
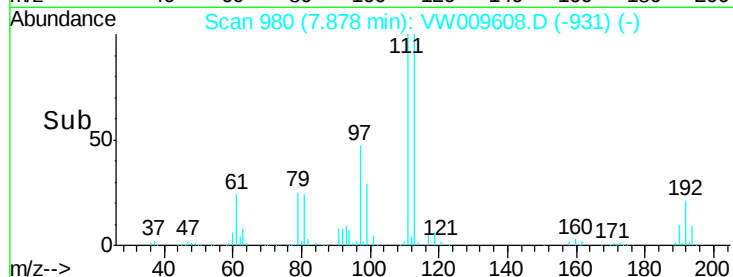
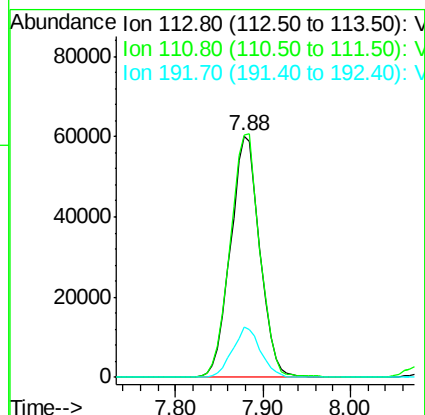
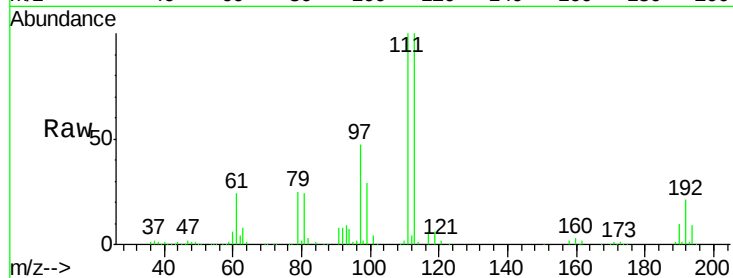
ClientSampleId :

VW0331SBS01

Tot Ion:	113	Resp:	140030
Ion Ratio	Lower	Upper	
113	100		
111	101.9	82.6	124.0
192	19.9	16.4	24.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 20.637 ug/l

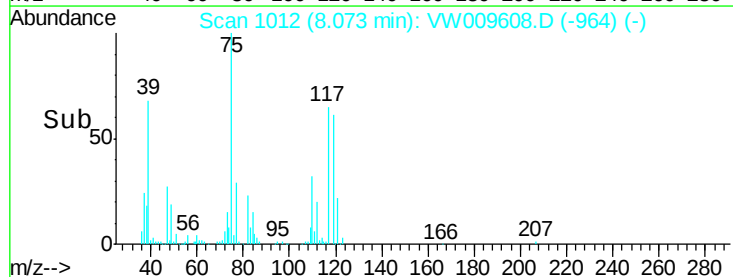
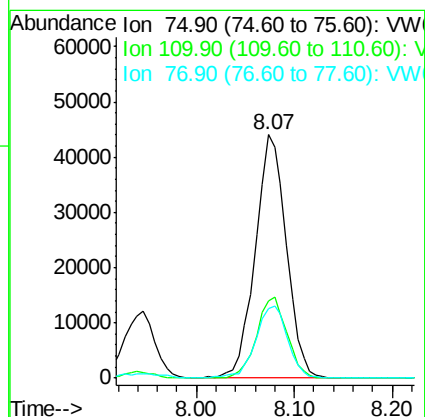
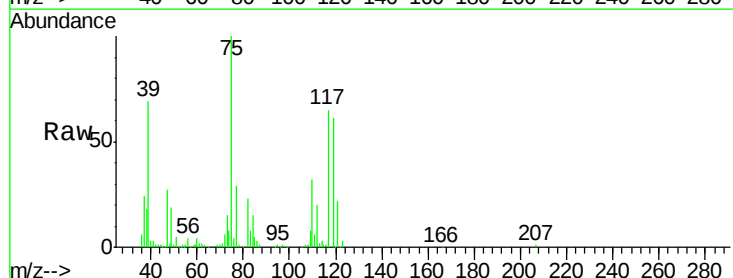
RT: 8.07 min Scan# 1012

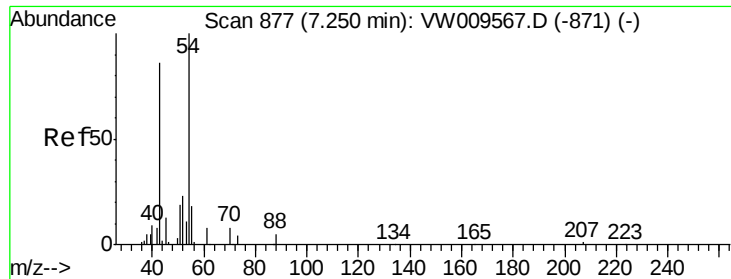
Delta R.T. -0.01 min

Lab File: VW009608.D

Acq: 31 Mar 2019 14:04

Tgt Ion:	75	Resp:	97188
Ion Ratio	Lower	Upper	
75	100		
110	32.7	16.8	50.4
77	30.5	24.6	36.8





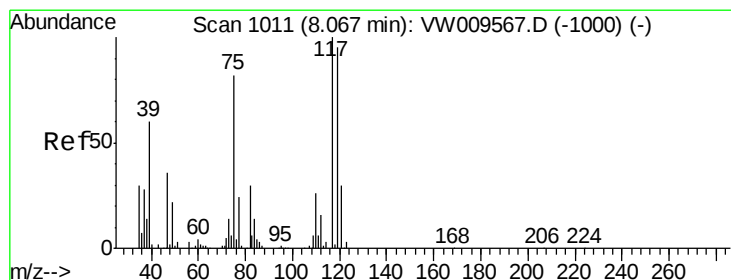
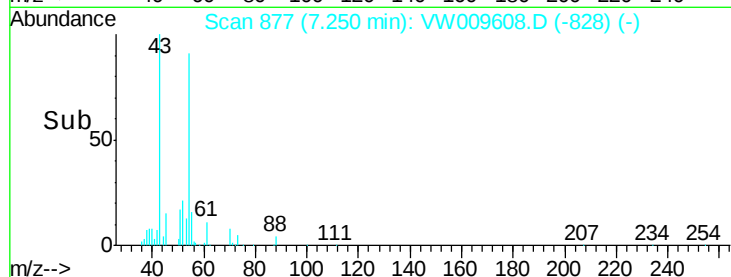
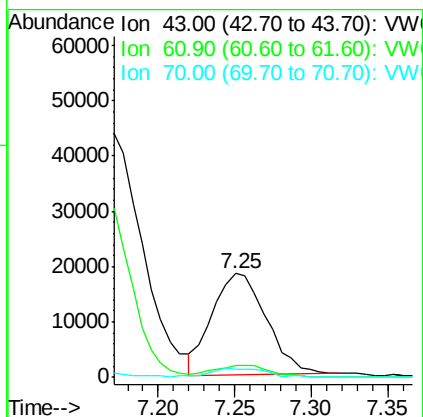
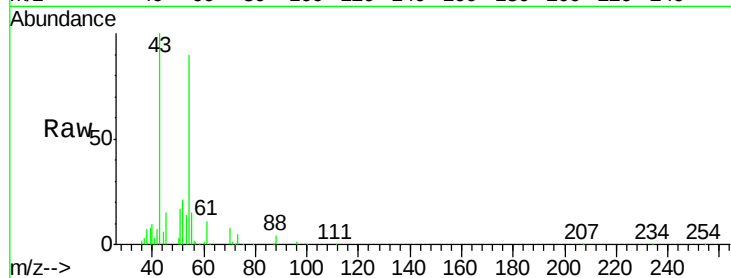
#37
Ethyl Acetate
Concen: 20.128 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW009608.D
Acq: 31 Mar 2019 14:04

Instrument :
MSVOA_W
ClientSampleId :
VW0331SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.0	15.0
70	9.3	7.3	10.9

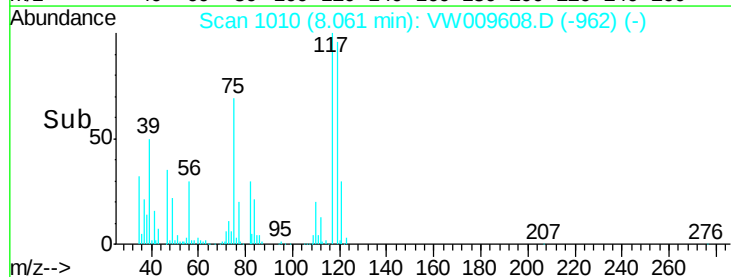
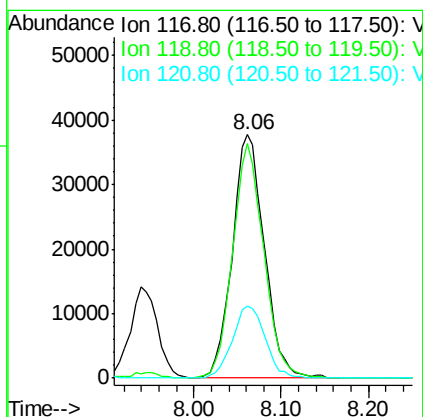
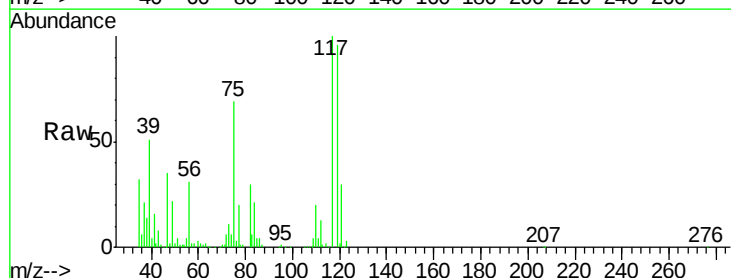
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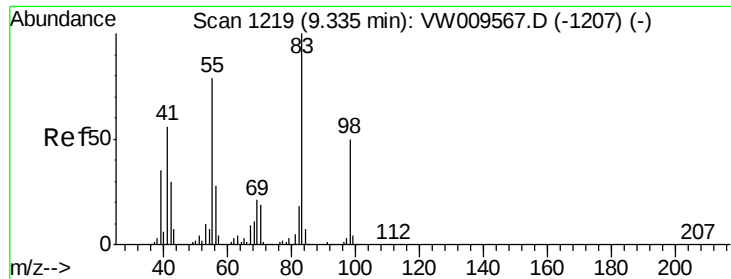
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.942 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW009608.D
Acq: 31 Mar 2019 14:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	75.4	113.0
121	29.7	24.9	37.3





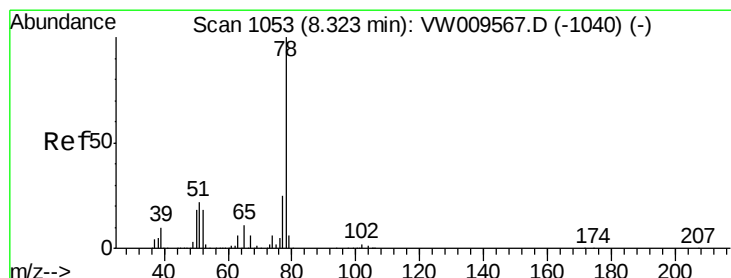
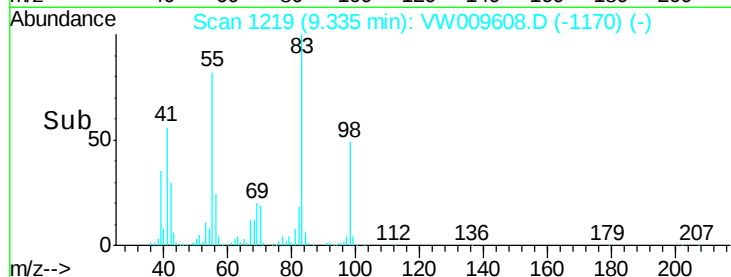
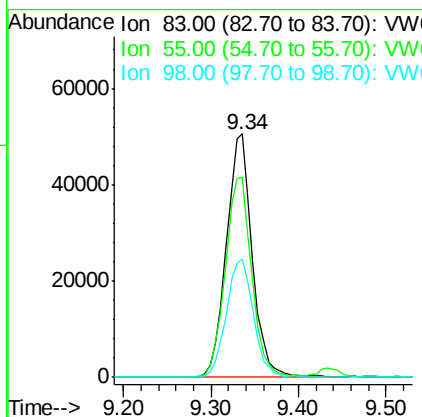
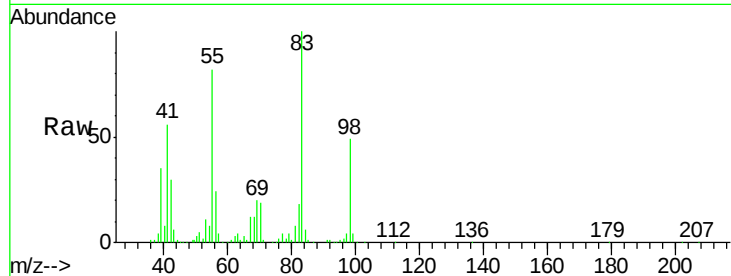
#39
Methvlcvclohexane
Concen: 19.282 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW009608.D
Acq: 31 Mar 2019 14:04

Instrument :
MSVOA_W
ClientSampleId :
VW0331SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	82.2		61.1	91.7
98	48.6		39.0	58.4

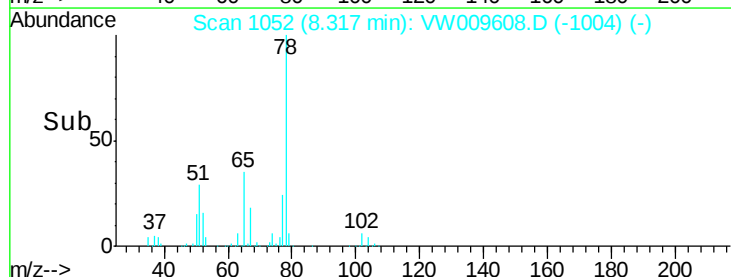
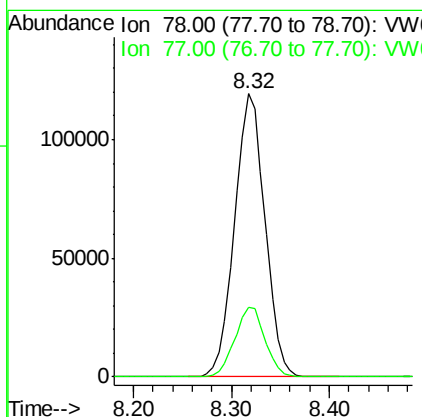
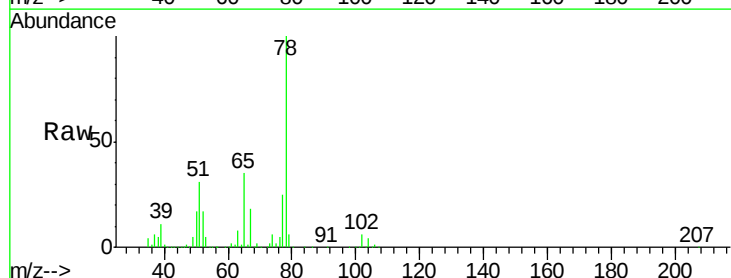
Manual Integrations
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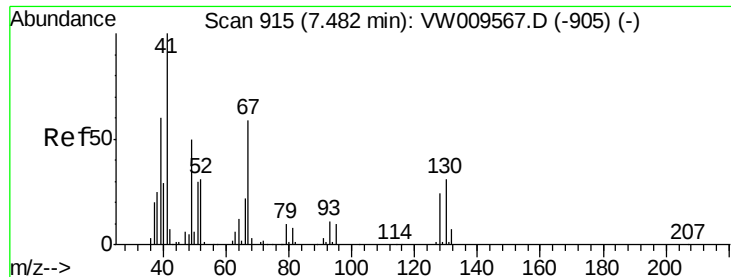
MMDadoda
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#40
Benzene
Concen: 20.173 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW009608.D
Acq: 31 Mar 2019 14:04

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.6		19.8	29.6





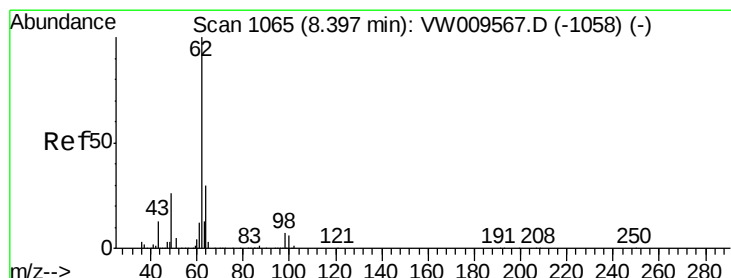
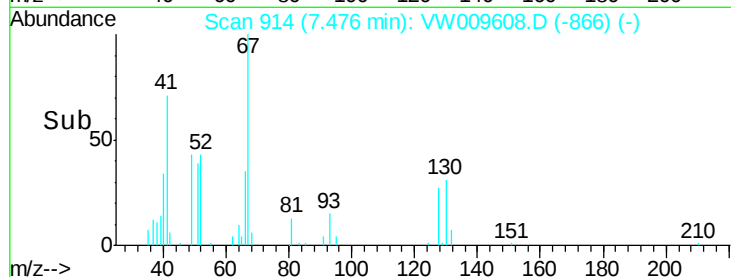
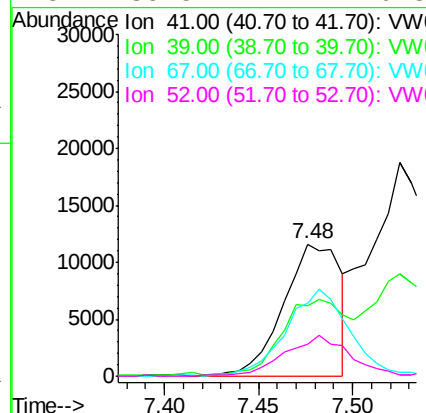
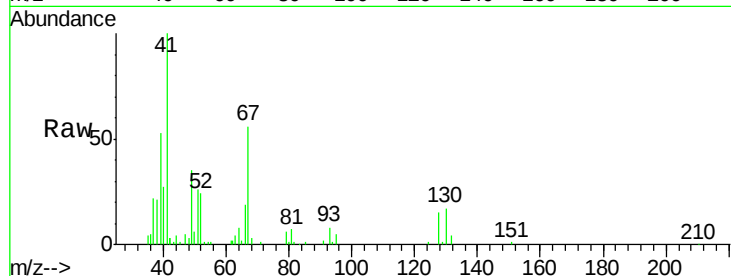
#41
Methacrylonitrile
Concen: 19.167 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW009608.D
Acq: 31 Mar 2019 14:04

Instrument :
MSVOA_W
ClientSampleId :
VW0331SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	66.6	52.5	78.7
67	75.0	56.6	84.8
52	35.5	27.2	40.8

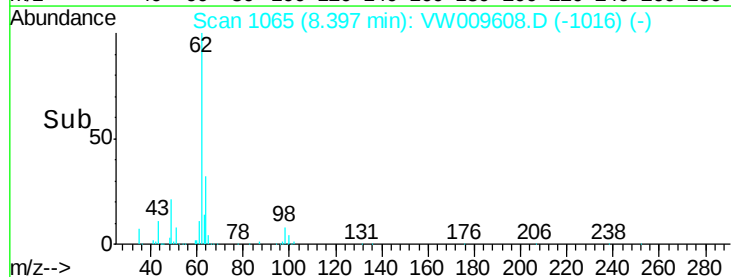
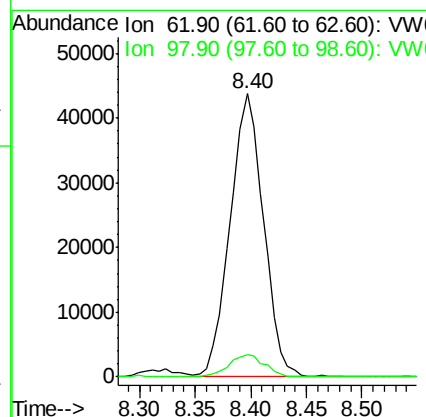
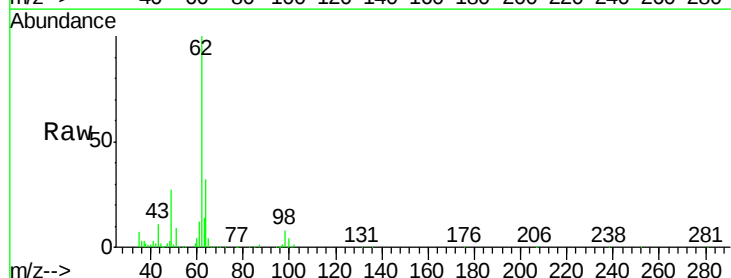
Manual Integrations
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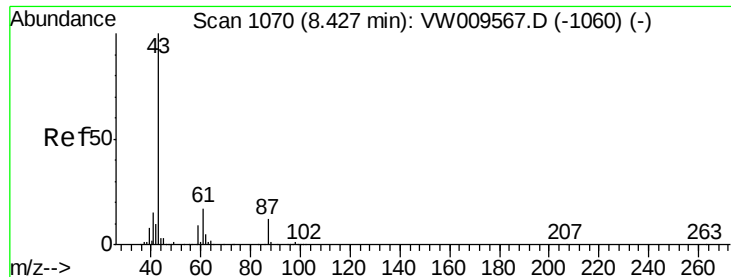
MMDadoda
4/1/2019 5:30:20 PM



#42
1,2-Dichloroethane
Concen: 20.942 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW009608.D
Acq: 31 Mar 2019 14:04

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.4





#43

Isopropyl Acetate

Concen: 20.640 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW009608.D

Acq: 31 Mar 2019 14:04

Instrument :

MSVOA_W

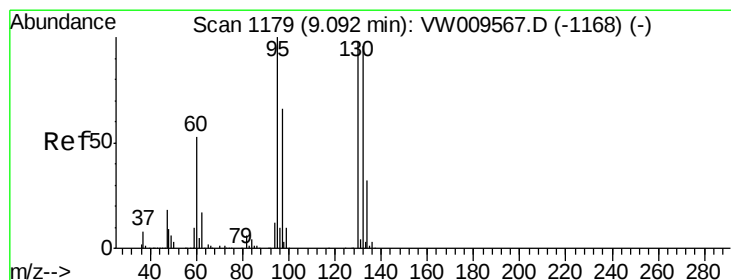
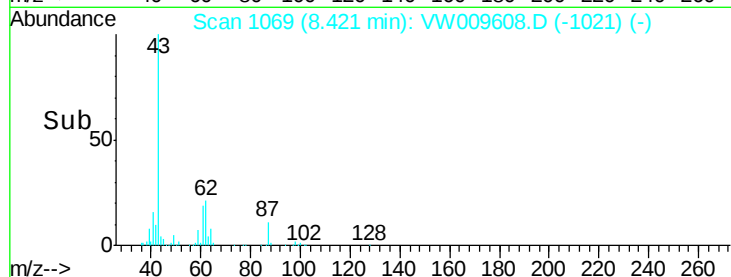
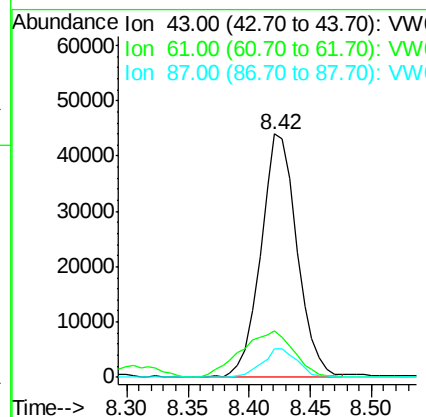
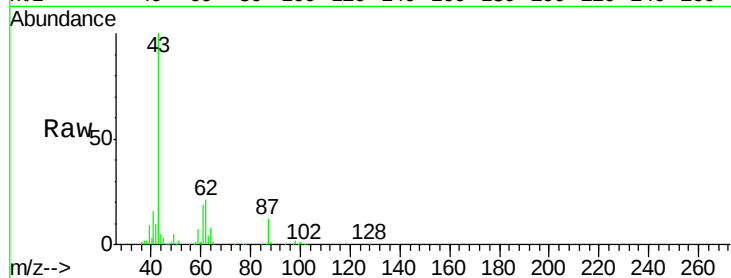
ClientSampleId :

VW0331SBS01

Tot Ion:	43	Resp:	90503
Ion	Ratio	Lower	Upper
43	100		
61	28.3	22.2	33.2
87	11.6	9.6	14.4

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4/1/2019 5:30:20 PM



#44

Trichloroethene

Concen: 20.446 ug/l

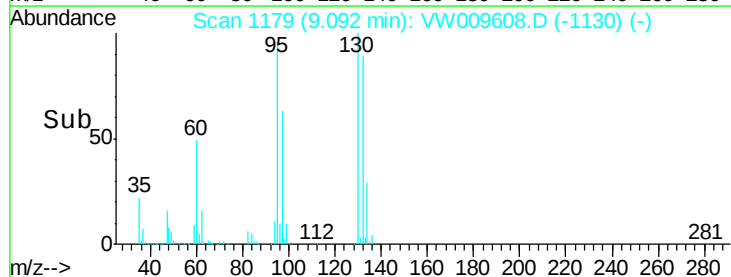
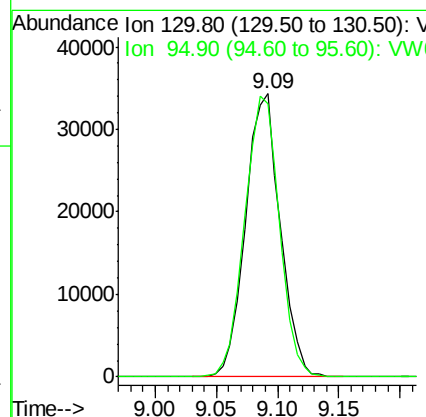
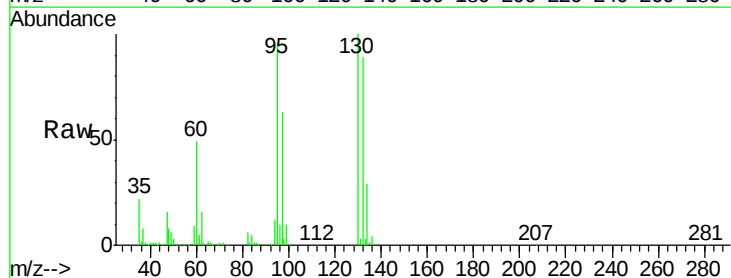
RT: 9.09 min Scan# 1179

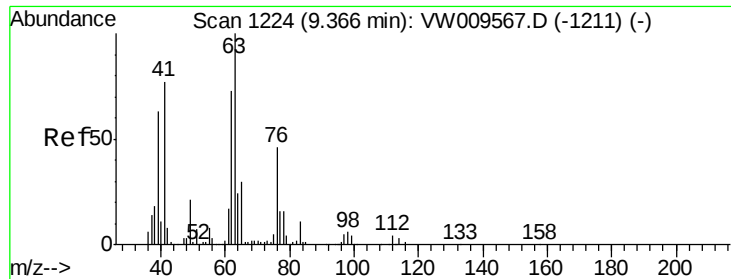
Delta R.T. 0.00 min

Lab File: VW009608.D

Acq: 31 Mar 2019 14:04

Tgt Ion:	130	Resp:	67520
Ion	Ratio	Lower	Upper
130	100		
95	96.4	0.0	192.6





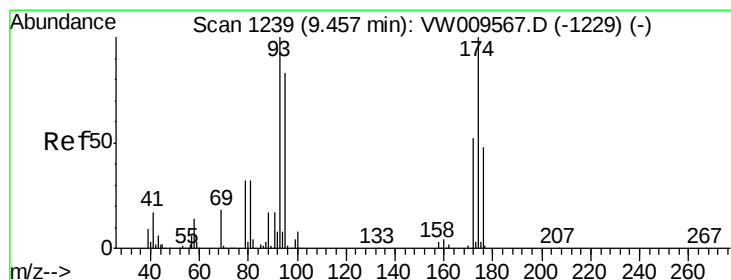
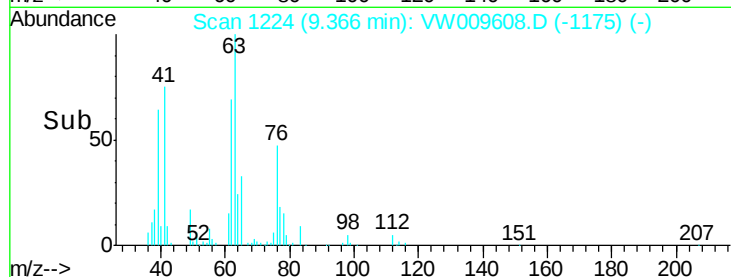
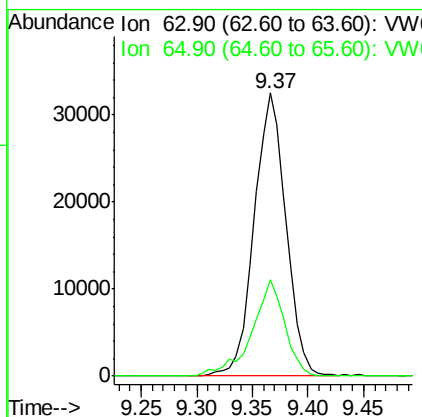
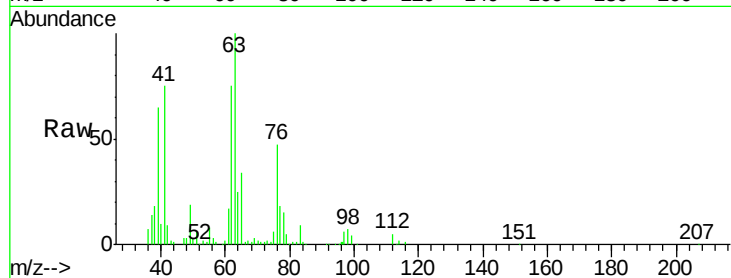
#45
 1,2-Dichloropropane
 Concen: 19.827 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW009608.D
 Acq: 31 Mar 2019 14:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0331SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	33.7	25.8	38.8

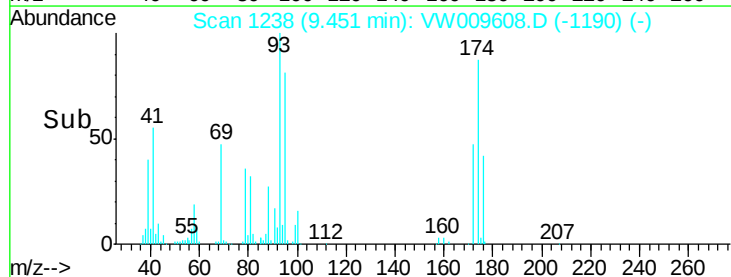
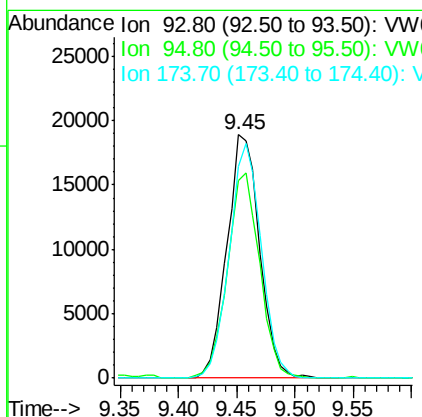
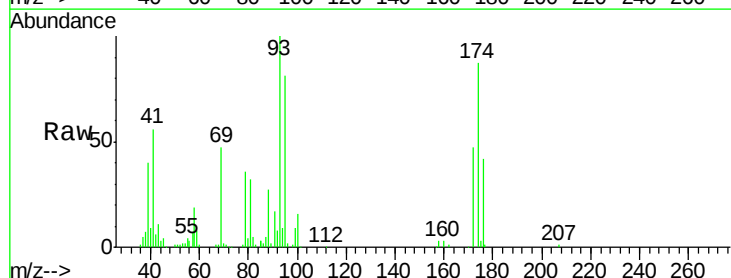
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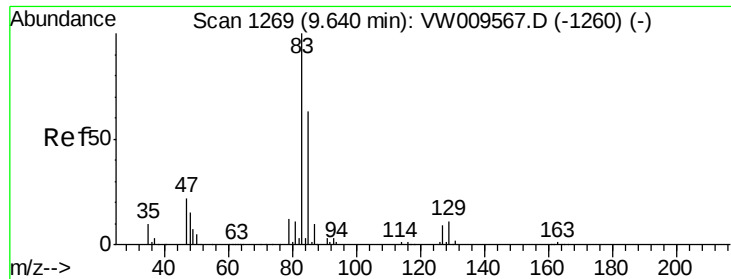
MMDadoda
 4/1/2019 5:30:20 PM



#46
 Dibromomethane
 Concen: 20.856 ug/l
 RT: 9.45 min Scan# 1238
 Delta R.T. -0.01 min
 Lab File: VW009608.D
 Acq: 31 Mar 2019 14:04

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.3	66.9	100.3
174	94.6	80.8	121.2





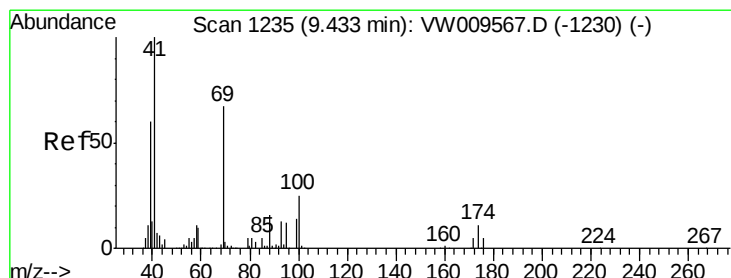
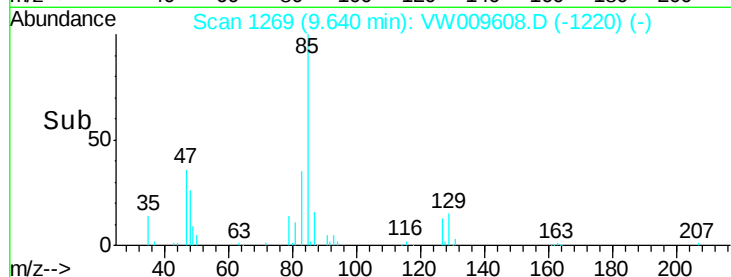
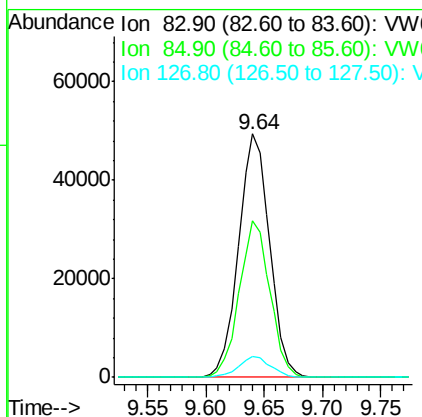
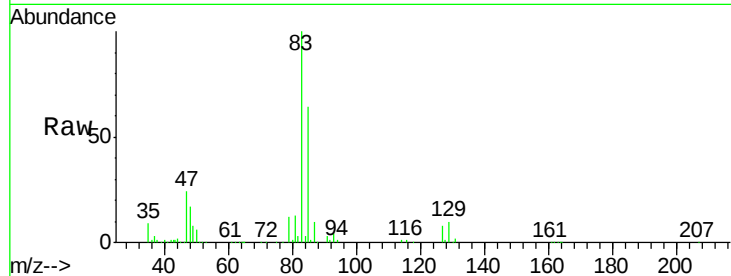
#47
Bromodichloromethane
Concen: 20.317 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW009608.D
Acq: 31 Mar 2019 14:04

Instrument :
MSVOA_W
ClientSampleId :
VW0331SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	64.4	52.6	79.0	
127	8.3	6.5	9.7	

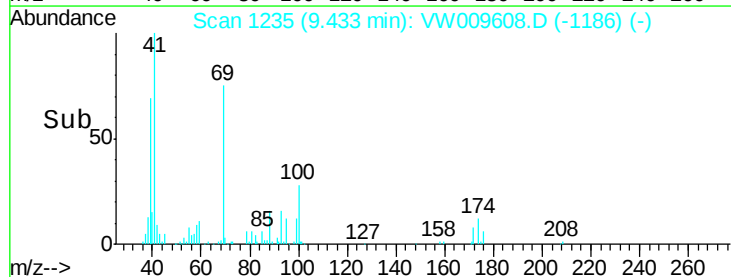
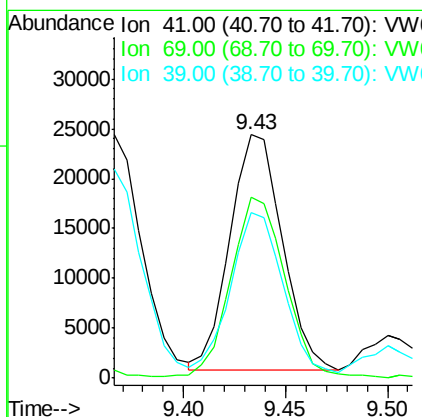
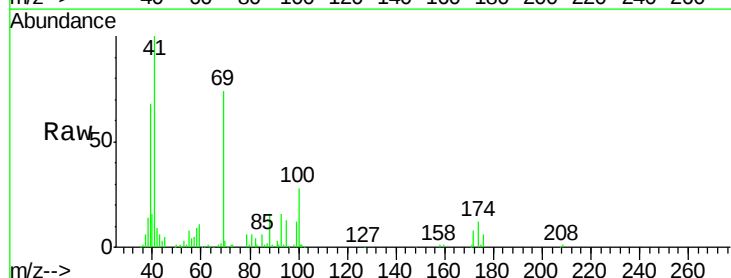
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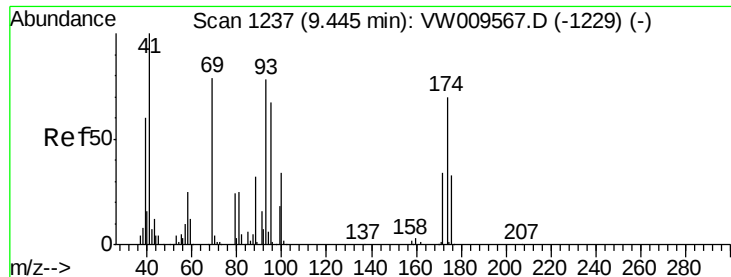
MMDadoda
4/1/2019 5:30:20 PM



#48
Methyl methacrylate
Concen: 20.417 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW009608.D
Acq: 31 Mar 2019 14:04

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	79.6	63.0	94.6	
39	71.5	57.2	85.8	





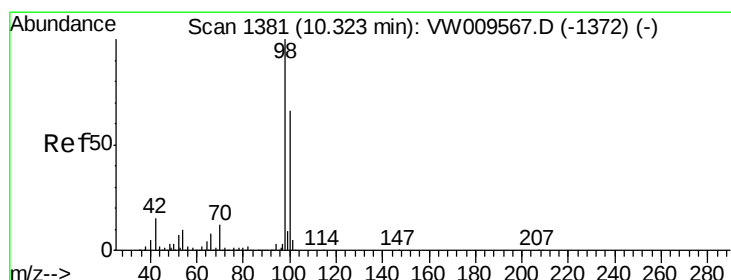
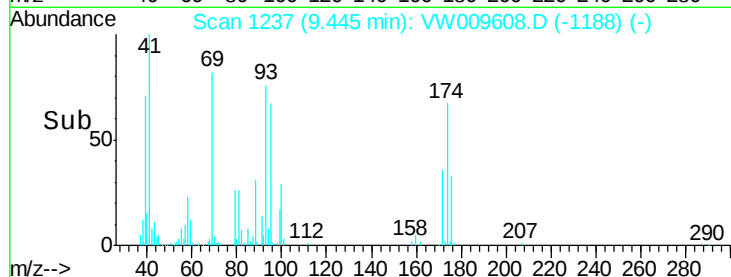
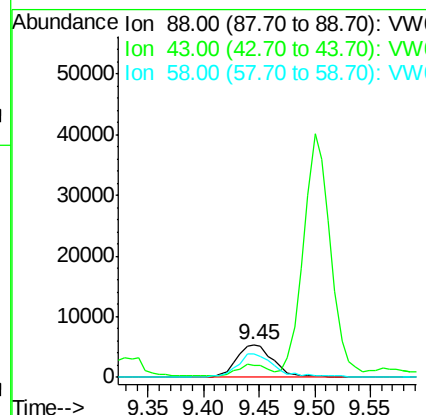
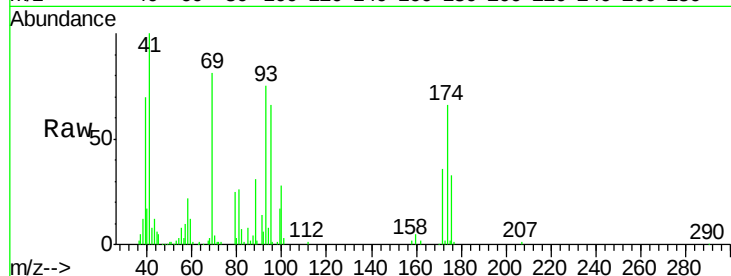
#49
1,4-Dioxane
Concen: 464.080 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW009608.D
Acq: 31 Mar 2019 14:04

Instrument :
MSVOA_W
ClientSampled :
VW0331SBS01

Tot Ion	88	Resp	12224
Ion	Ratio	Lower	Upper
88	100		
43	30.9	29.7	44.5
58	73.1	58.1	87.1

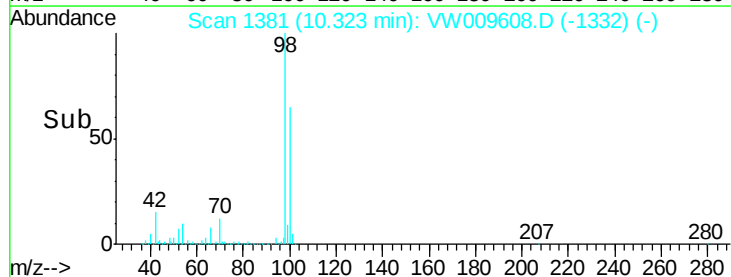
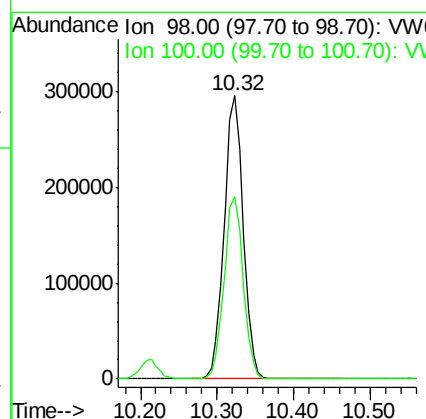
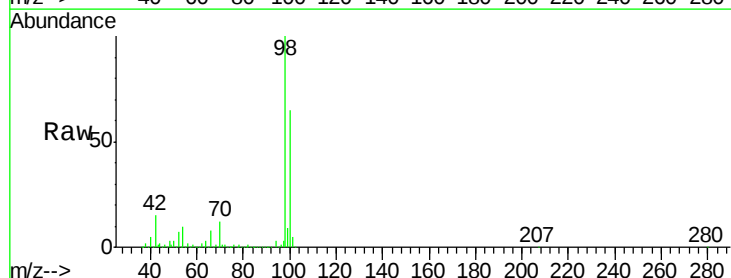
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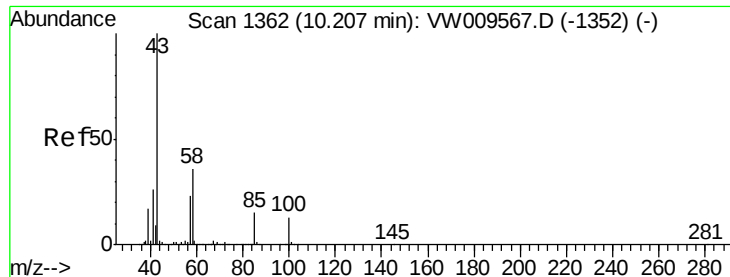
MMDadoda
4/1/2019 5:30:20 PM



#50
Toluene-d8
Concen: 48.285 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW009608.D
Acq: 31 Mar 2019 14:04

Tgt Ion	98	Resp	510360
Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.6	79.0





#51

4-Methyl-2-Pentanone

Concen: 106.510 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW009608.D

Acq: 31 Mar 2019 14:04

Instrument :

MSVOA_W

ClientSampled :

VW0331SBS01

Tot Ion: 43 Resp: 249877

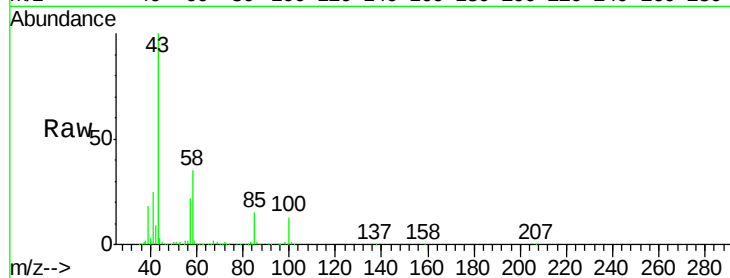
Ion Ratio Lower Upper

43 100

58 34.9 28.6 42.8

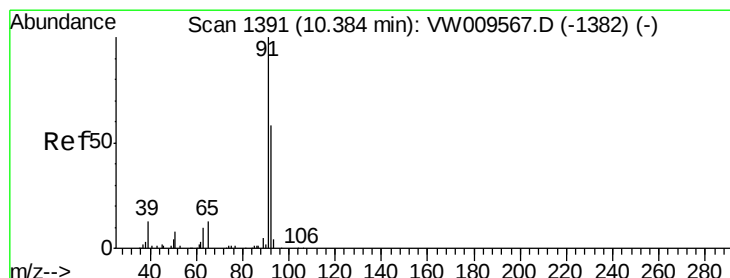
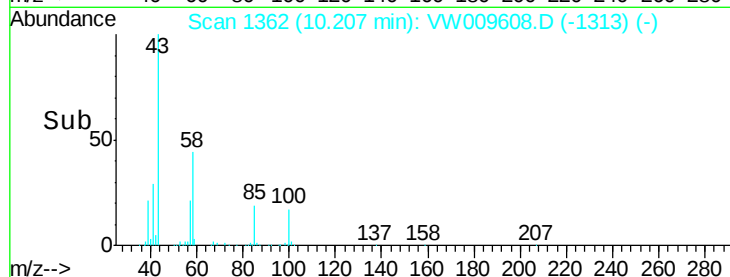
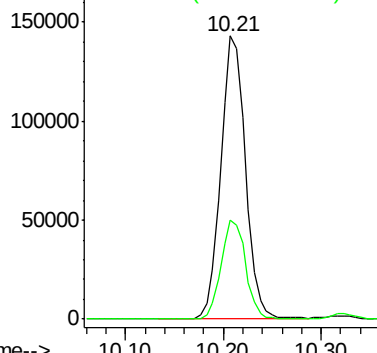
Manual Integrations
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MMDadoda
4/1/2019 5:30:20 PM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 20.189 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW009608.D

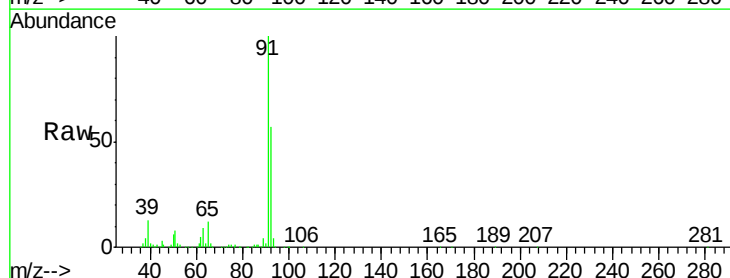
Acq: 31 Mar 2019 14:04

Tgt Ion: 92 Resp: 161280

Ion Ratio Lower Upper

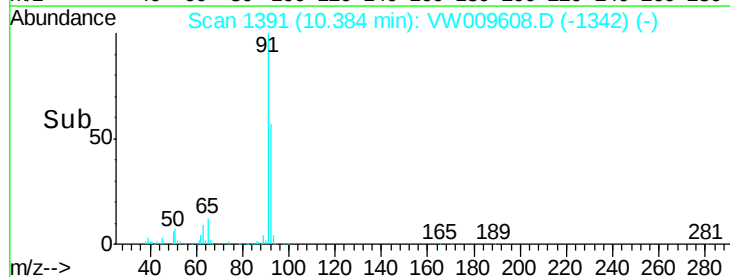
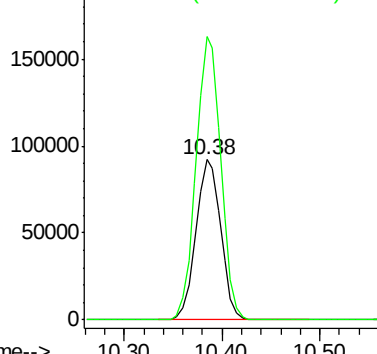
92 100

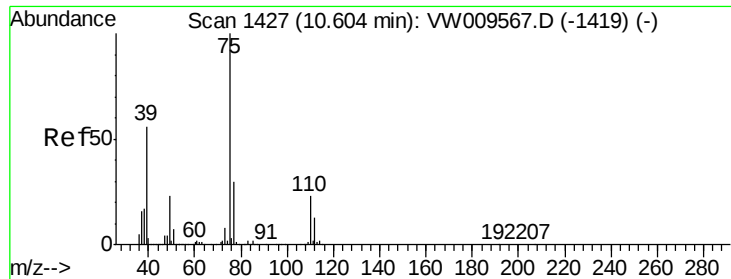
91 177.1 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





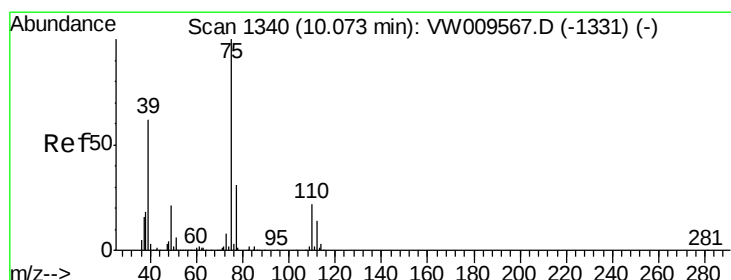
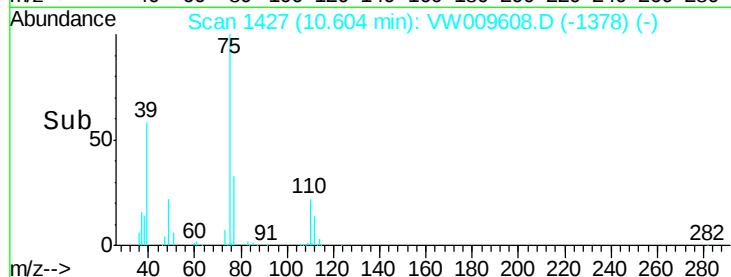
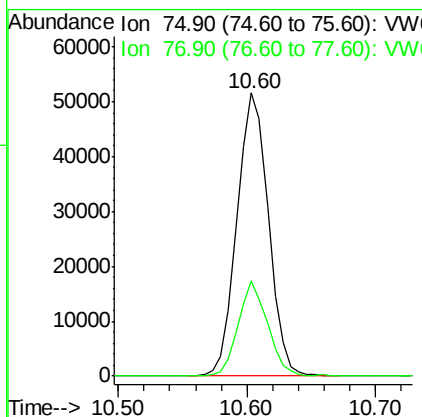
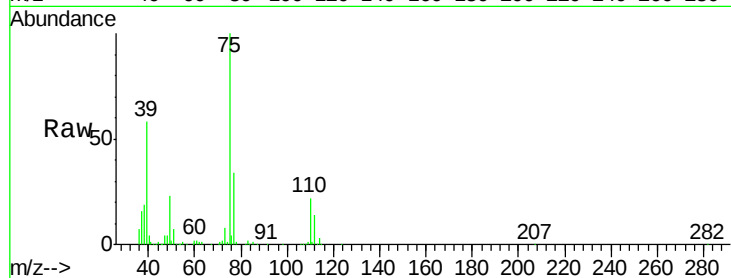
#53
t-1,3-Dichloropropene
Concen: 19.777 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW009608.D
Acq: 31 Mar 2019 14:04

Instrument :
MSVOA_W
ClientSampled :
VW0331SBS01

Tot Ion: 75 Resp: 87371
Ion Ratio Lower Upper
75 100
77 33.6 24.8 37.2

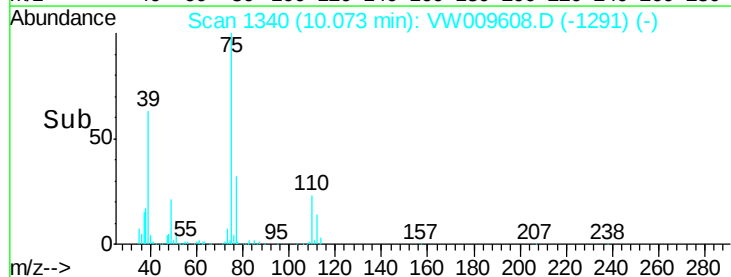
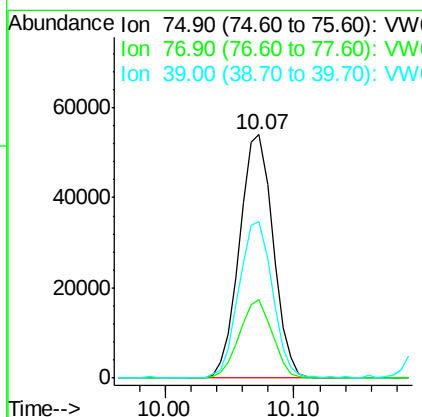
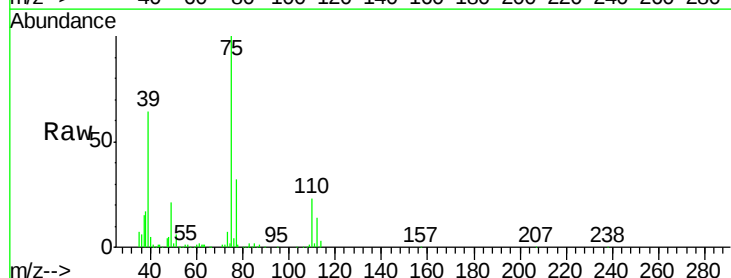
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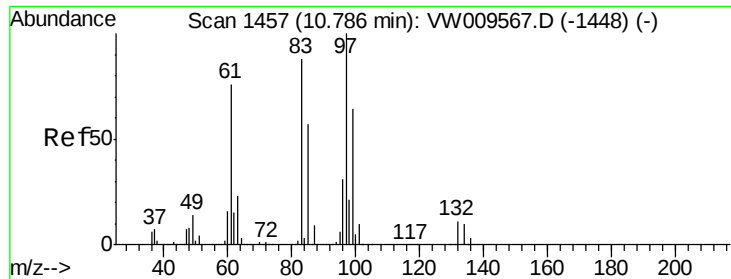
MMDadoda
4/1/2019 5:30:20 PM



#54
cis-1,3-Dichloropropene
Concen: 19.965 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW009608.D
Acq: 31 Mar 2019 14:04

Tgt Ion: 75 Resp: 97794
Ion Ratio Lower Upper
75 100
77 32.3 25.9 38.9
39 63.9 46.8 70.2





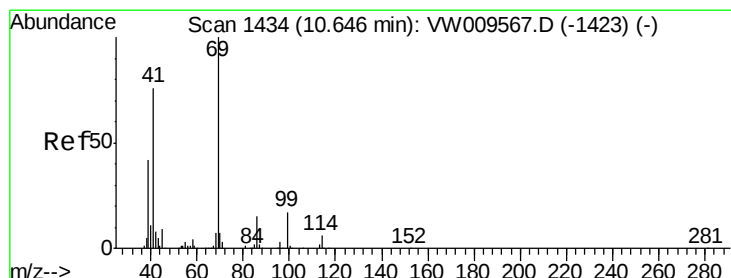
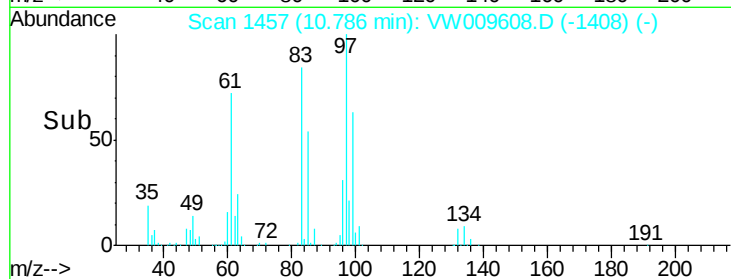
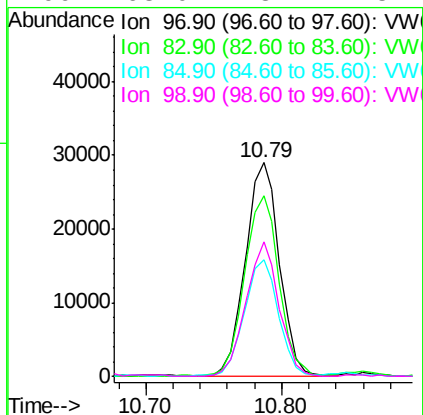
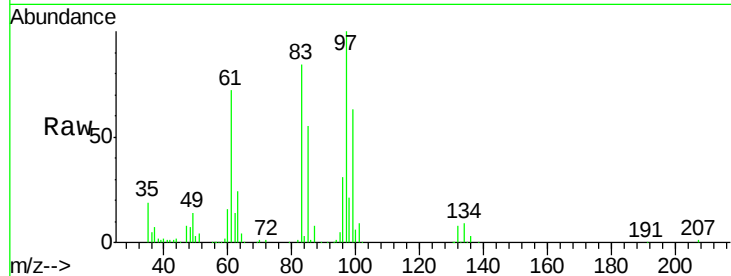
#55
 1,1,2-Trichloroethane
 Concen: 21.307 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW009608.D
 Acq: 31 Mar 2019 14:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0331SBS01

Tot Ion:	97	Resp:	50941
Ion	Ratio	Lower	Upper
97	100		
83	83.9	66.3	99.5
85	54.6	41.4	62.2
99	63.0	48.7	73.1

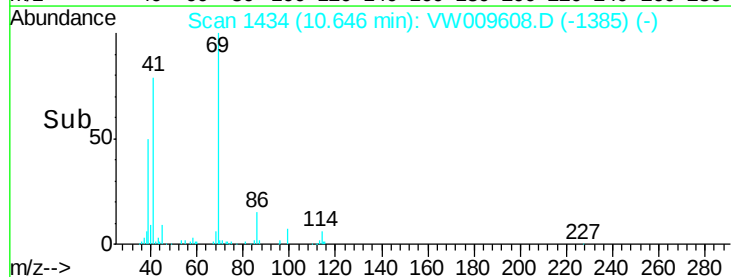
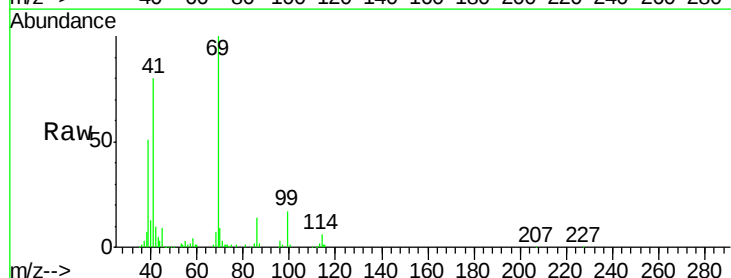
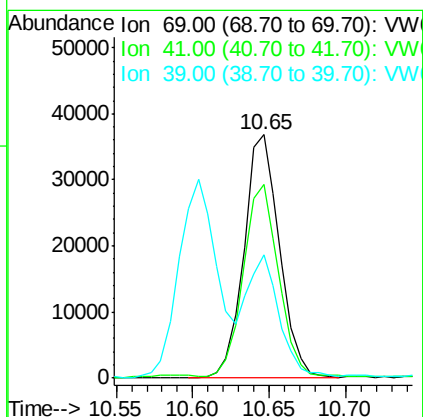
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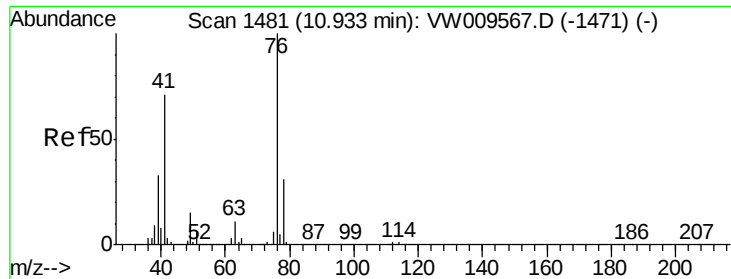
MMDadoda
 4/1/2019 5:30:20 PM



#56
 Ethyl methacrylate
 Concen: 20.396 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW009608.D
 Acq: 31 Mar 2019 14:04

Tgt Ion:	69	Resp:	59480
Ion	Ratio	Lower	Upper
69	100		
41	78.3	59.3	88.9
39	45.1	36.2	54.2





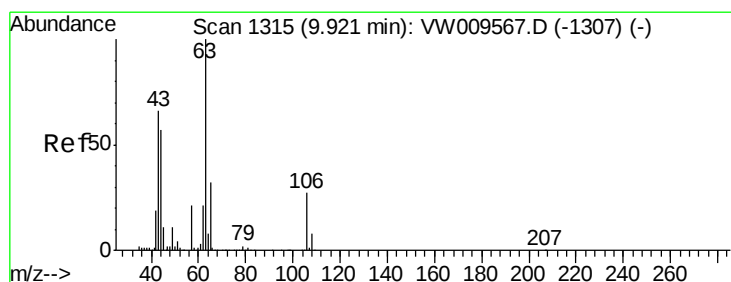
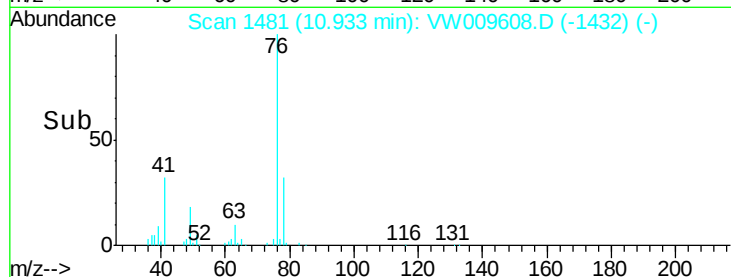
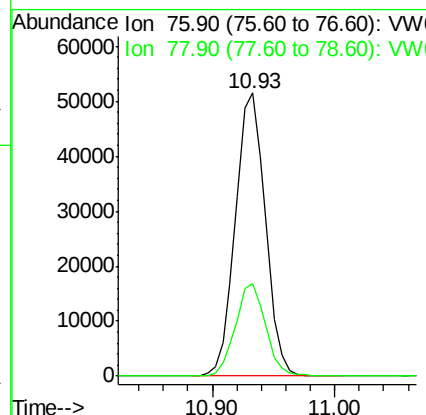
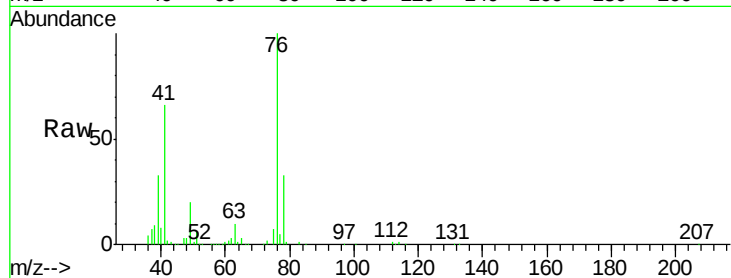
#57
 1,3-Dichloropropane
 Concen: 20.498 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW009608.D
 Acq: 31 Mar 2019 14:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0331SBS01

Tot Ion: 76 Resp: 86869
 Ion Ratio Lower Upper
 76 100
 78 33.0 25.8 38.6

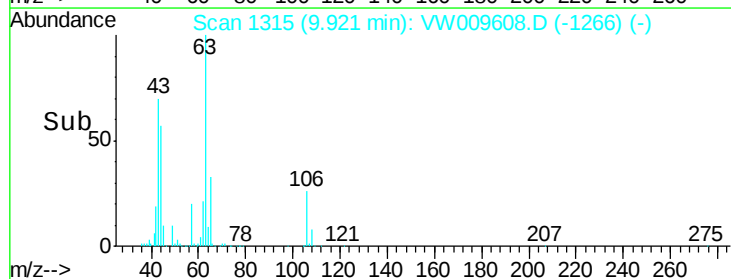
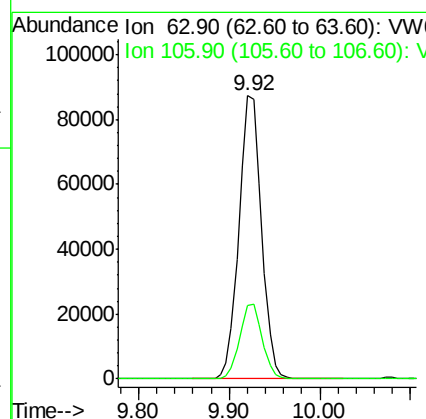
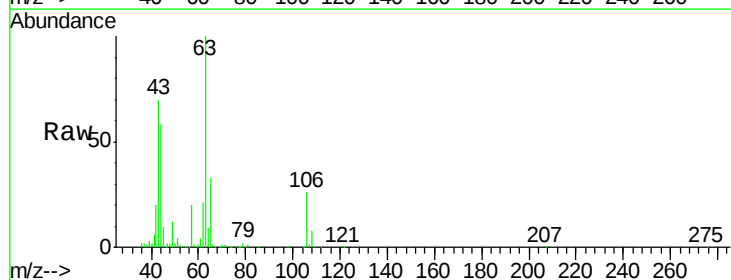
Manual Integrations
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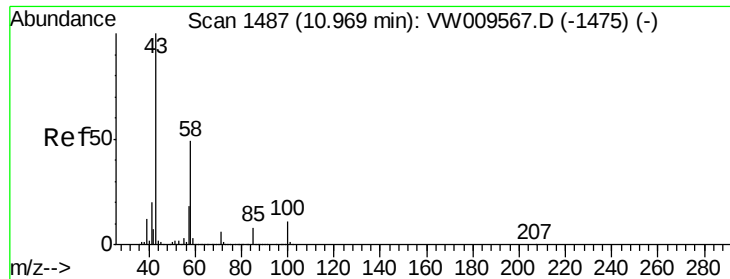
MMDadoda
 4/1/2019 5:30:20 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 105.104 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW009608.D
 Acq: 31 Mar 2019 14:04

Tgt Ion: 63 Resp: 150809
 Ion Ratio Lower Upper
 63 100
 106 26.2 22.9 34.3





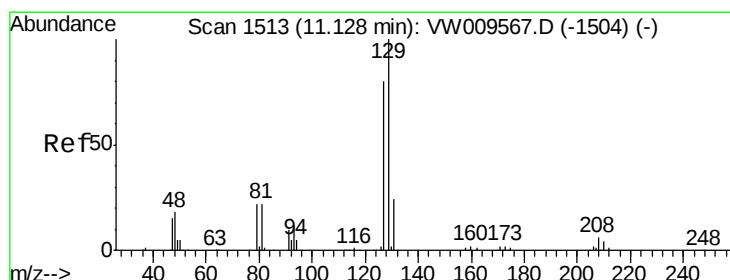
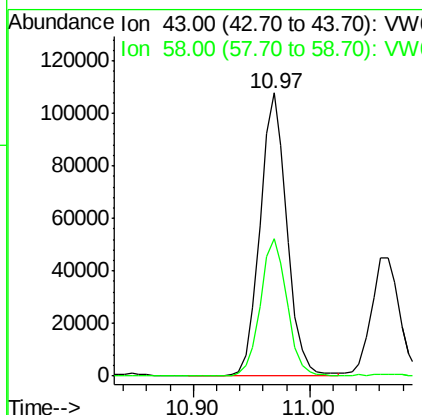
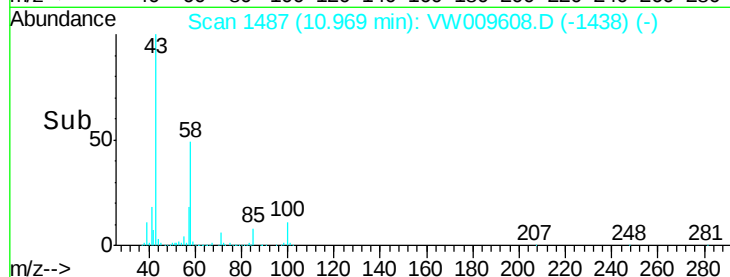
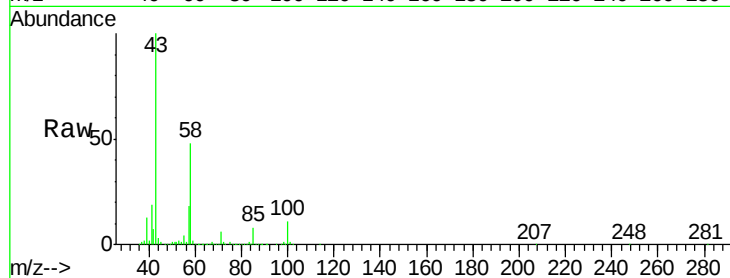
#59
2-Hexanone
Concen: 106.402 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW009608.D
Acq: 31 Mar 2019 14:04

Instrument :
MSVOA_W
ClientSampleId :
VW0331SBS01

Tot Ion: 43 Resp: 172757
Ion Ratio Lower Upper
43 100
58 48.4 24.2 72.6

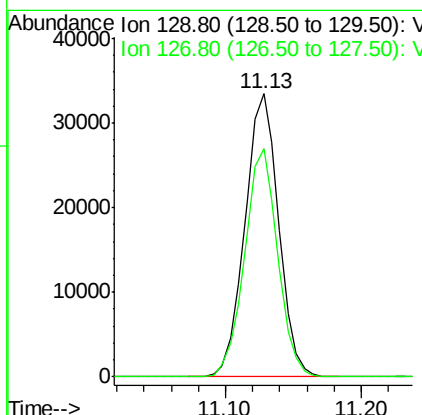
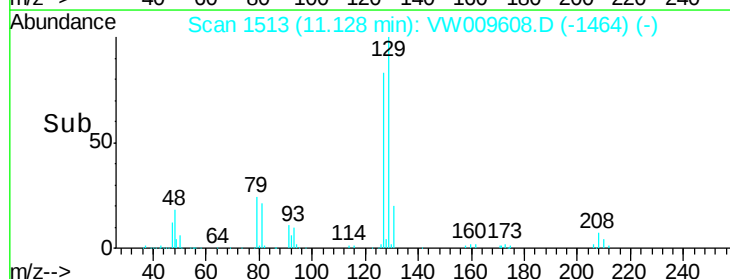
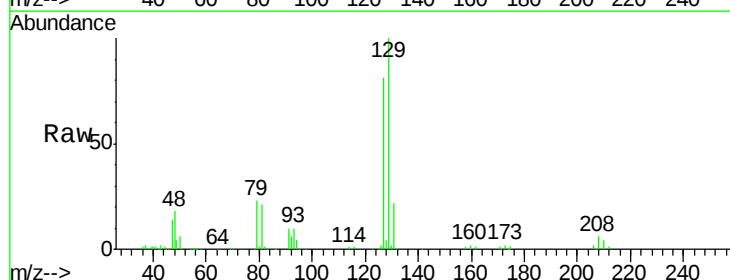
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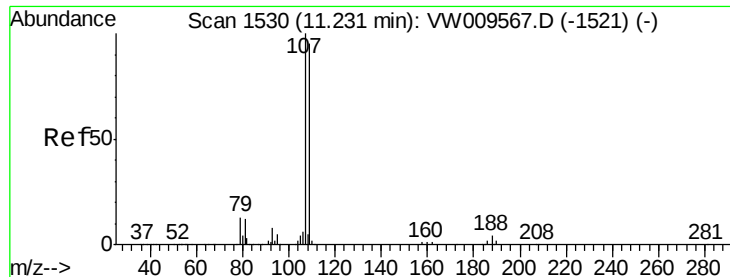
MMDadoda
4/1/2019 5:30:20 PM



#60
Dibromochloromethane
Concen: 20.097 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW009608.D
Acq: 31 Mar 2019 14:04

Tgt Ion: 129 Resp: 58017
Ion Ratio Lower Upper
129 100
127 79.1 38.1 114.5





#61

1,2-Dibromoethane

Concen: 21.067 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW009608.D

Acq: 31 Mar 2019 14:04

Instrument :

MSVOA_W

ClientSampleId :

VW0331SBS01

Tot Ion: 107 Resp: 48299

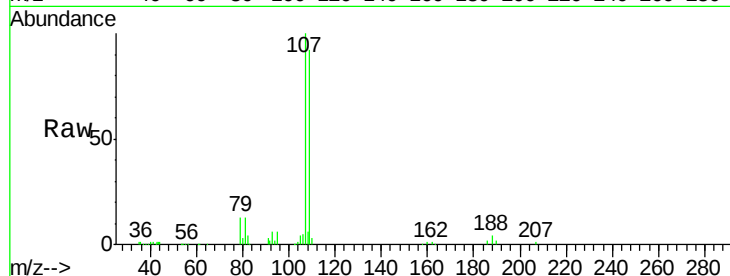
Ion Ratio Lower Upper

107 100

109 92.4 75.1 112.7

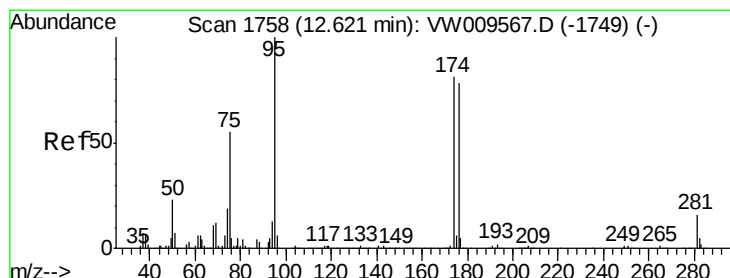
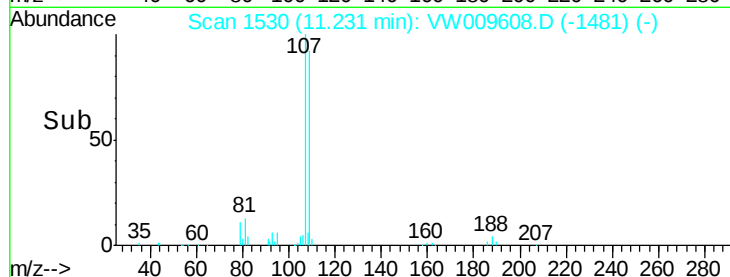
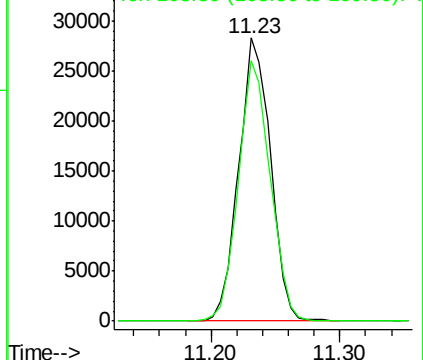
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.829 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW009608.D

Acq: 31 Mar 2019 14:04

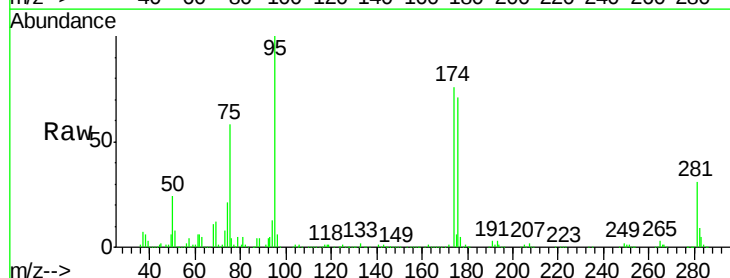
Tgt Ion: 95 Resp: 192540

Ion Ratio Lower Upper

95 100

174 79.9 0.0 168.4

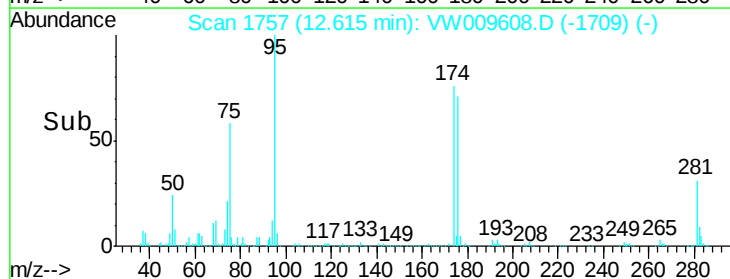
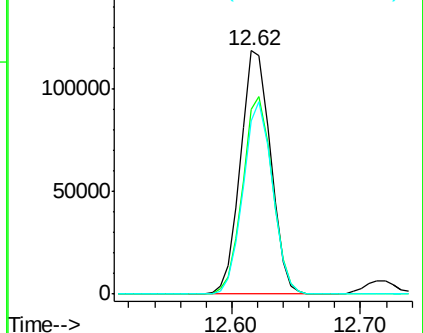
176 76.8 0.0 161.6

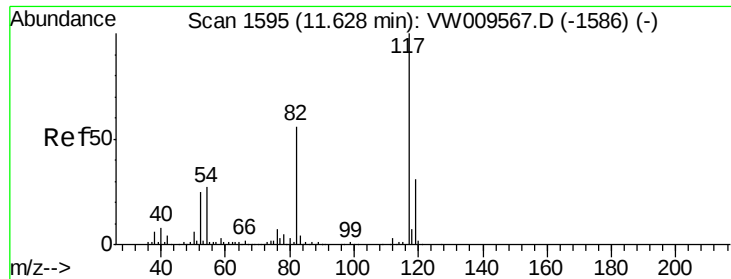


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.01 min

Lab File: VW009608.D

Acq: 31 Mar 2019 14:04

Instrument :

MSVOA_W

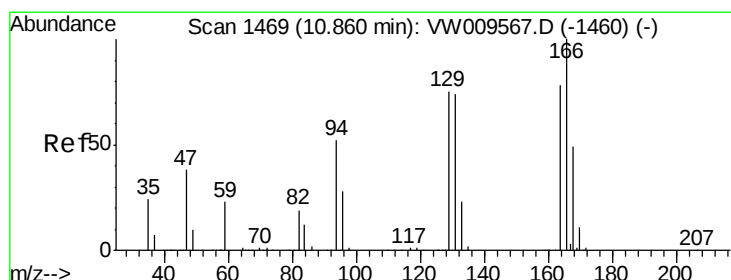
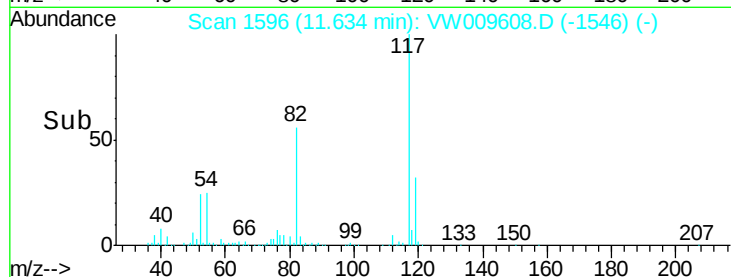
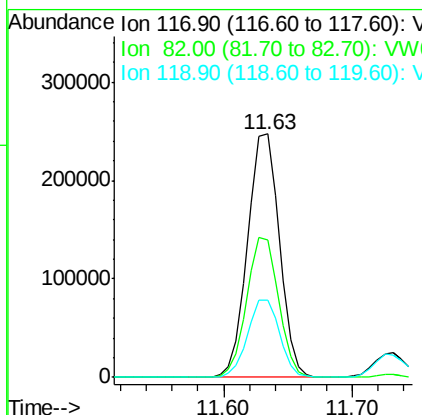
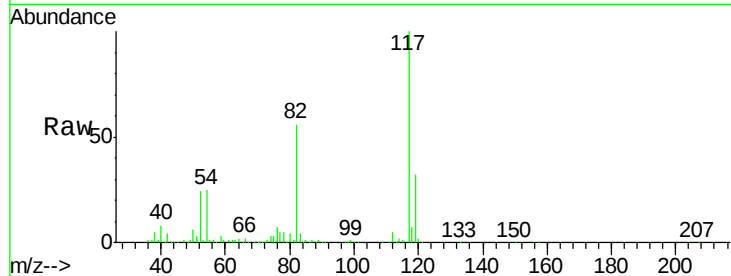
ClientSampleId :

VW0331SBS01

Tot Ion:	117	Resp:	421448
Ion Ratio	Lower	Upper	
117	100		
82	56.4	43.6	65.4
119	31.8	26.0	39.0

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#64

Tetrachloroethene

Concen: 19.978 ug/l

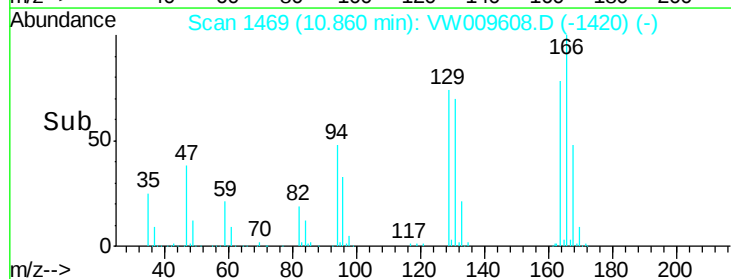
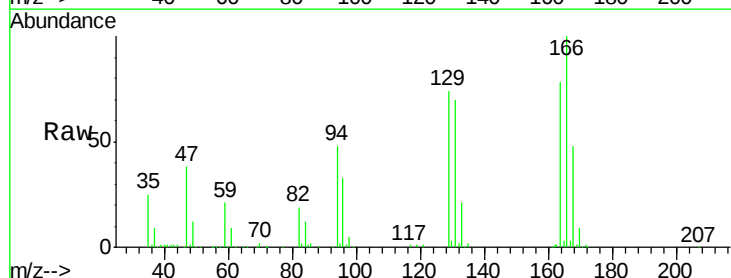
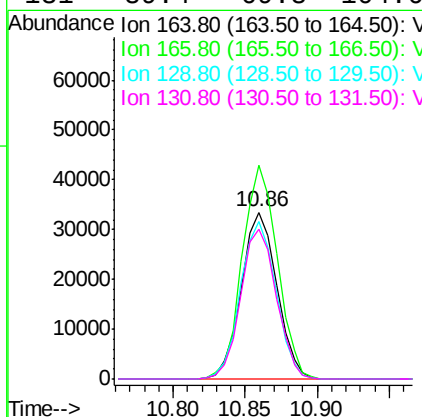
RT: 10.86 min Scan# 1469

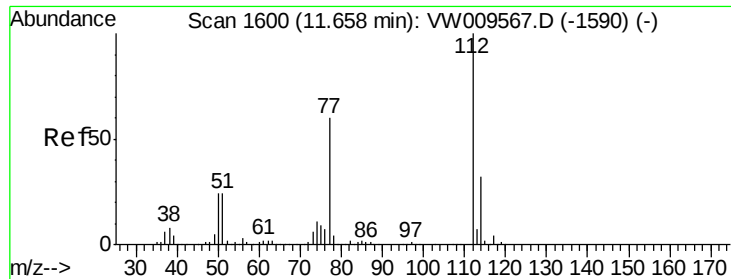
Delta R.T. 0.00 min

Lab File: VW009608.D

Acq: 31 Mar 2019 14:04

Tgt Ion:	164	Resp:	57167
Ion Ratio	Lower	Upper	
164	100		
166	127.9	100.9	151.3
129	94.1	72.0	108.0
131	89.4	69.8	104.6





#65

Chlorobenzene

Concen: 20.035 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW009608.D

Acq: 31 Mar 2019 14:04

Instrument :

MSVOA_W

ClientSampleId :

VW0331SBS01

Tot Ion:112 Resp: 177837

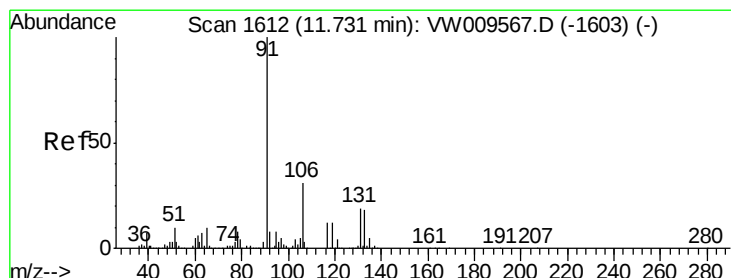
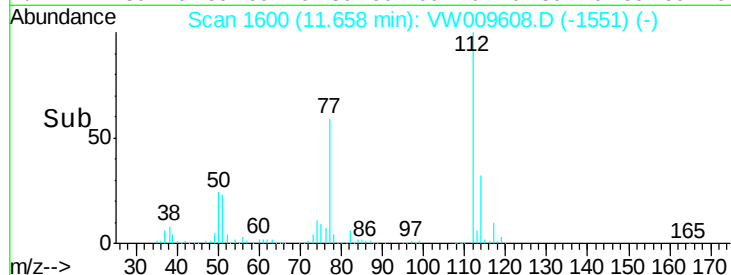
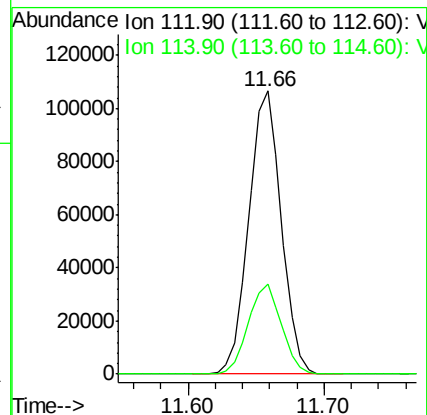
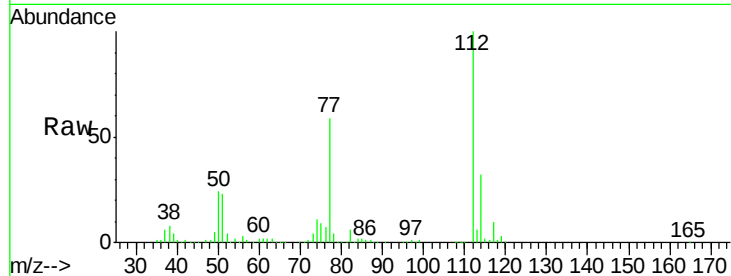
Ion Ratio Lower Upper

112 100

114 31.8 25.6 38.4

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 20.405 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW009608.D

Acq: 31 Mar 2019 14:04

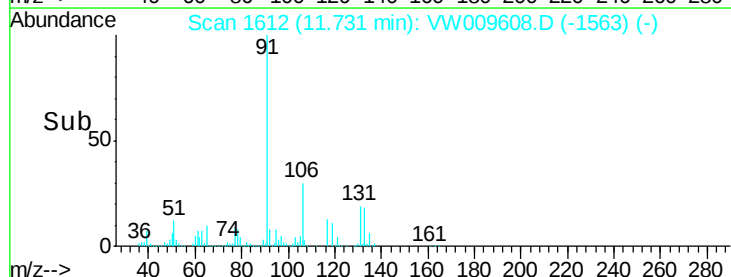
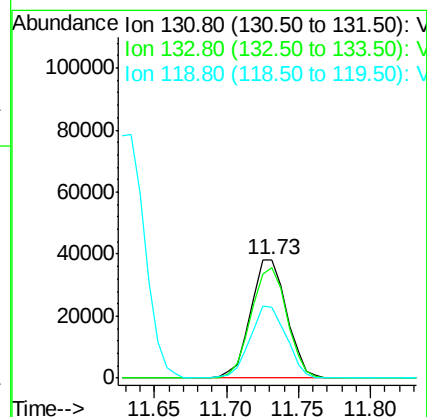
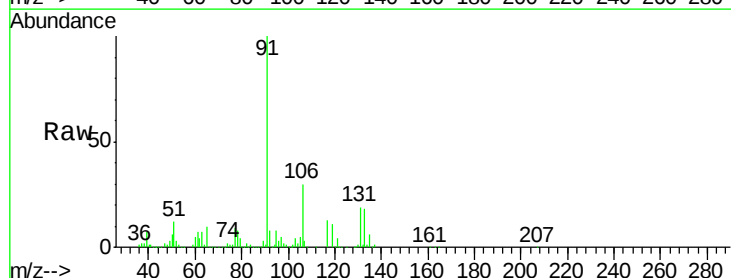
Tgt Ion:131 Resp: 65992

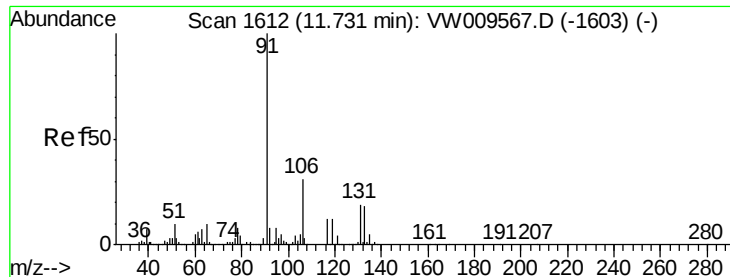
Ion Ratio Lower Upper

131 100

133 93.0 47.3 141.8

119 60.9 31.6 95.0





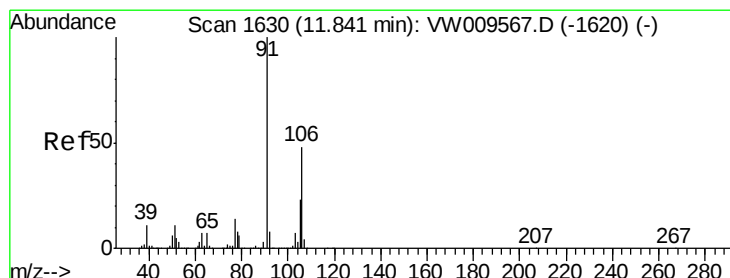
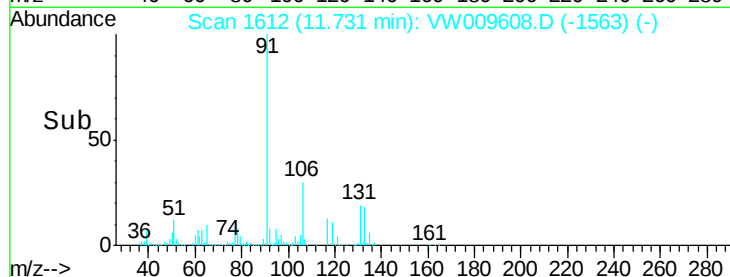
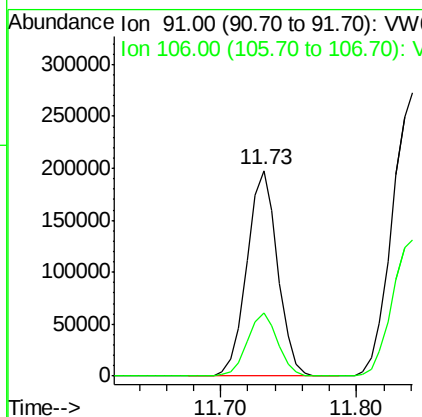
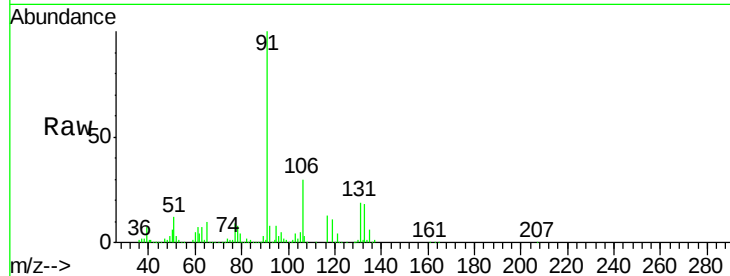
#67
Ethyl Benzene
Concen: 19.945 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009608.D
Acq: 31 Mar 2019 14:04

Instrument :
MSVOA_W
ClientSampleId :
VW0331SBS01

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	30.5	24.6	36.8	

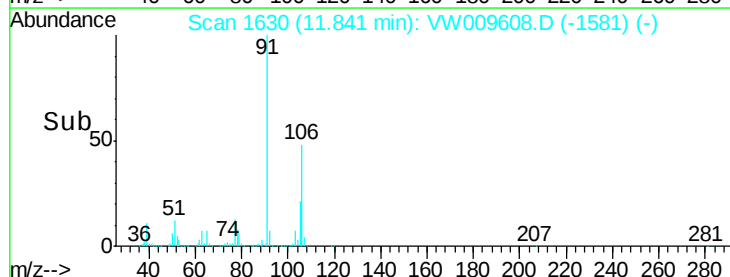
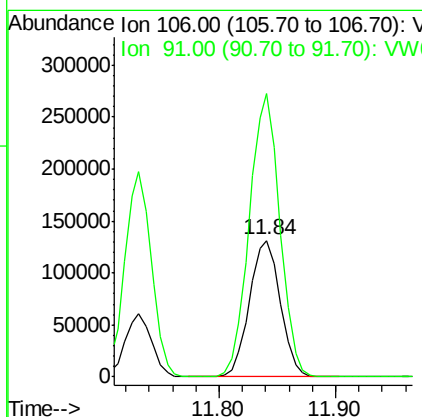
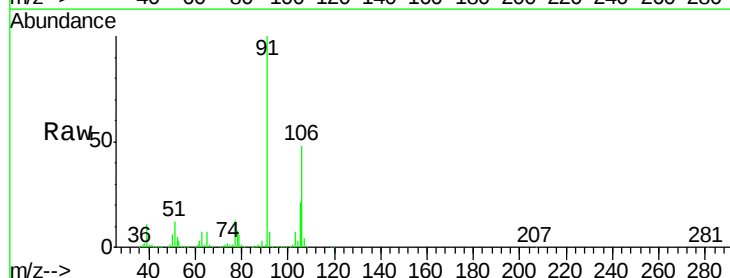
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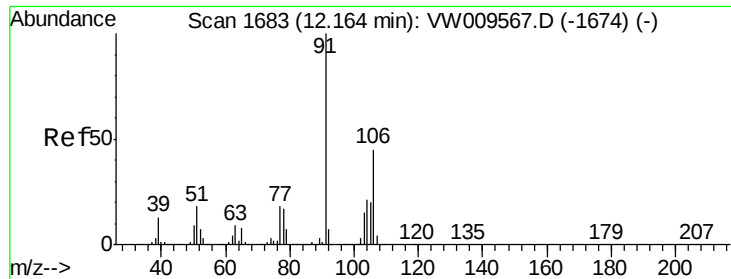
MMDadoda
4/1/2019 5:30:20 PM



#68
m/p-Xylenes
Concen: 40.705 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW009608.D
Acq: 31 Mar 2019 14:04

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	205.6	163.1	244.7	





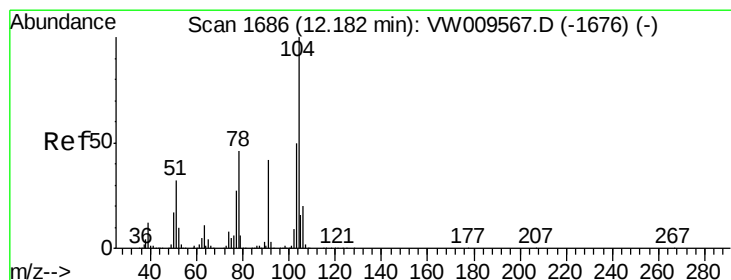
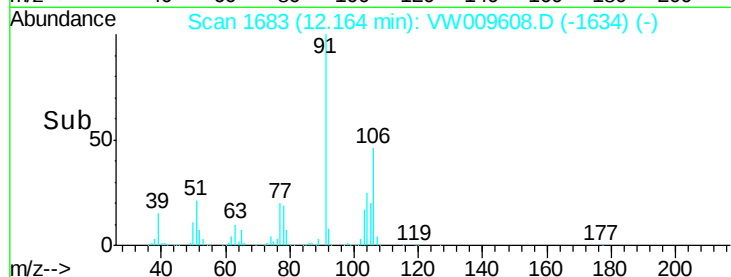
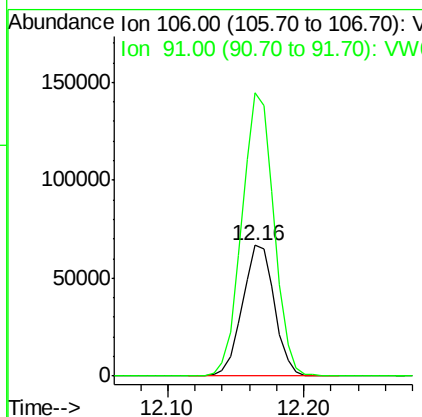
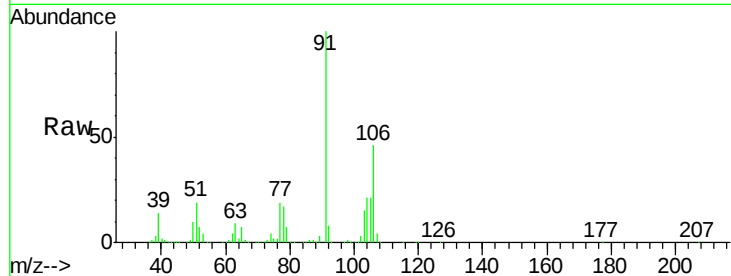
#69
o-Xylene
Concen: 19.902 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW009608.D
Acq: 31 Mar 2019 14:04

Instrument :
MSVOA_W
ClientSampleId :
VW0331SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	216.2	108.6	325.8

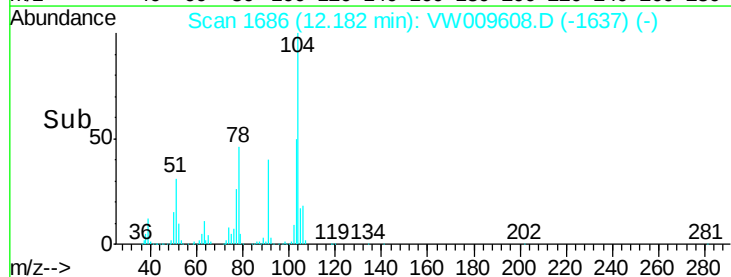
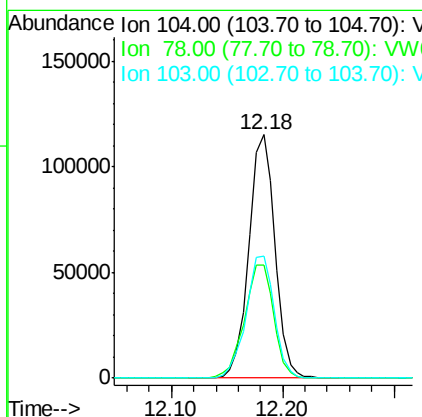
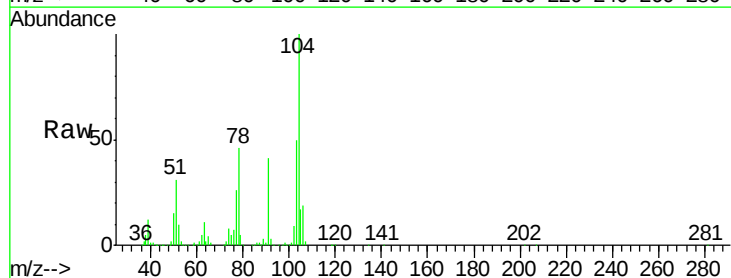
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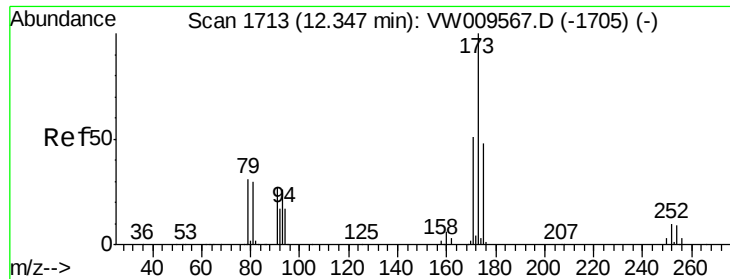
MMDadoda
4/1/2019 5:30:20 PM



#70
Styrene
Concen: 20.344 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW009608.D
Acq: 31 Mar 2019 14:04

Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.4	42.2	63.4
103	54.5	44.6	66.8





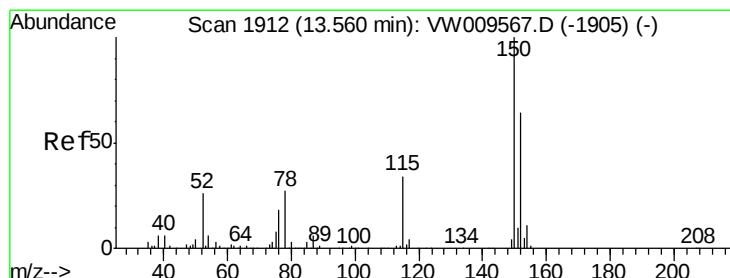
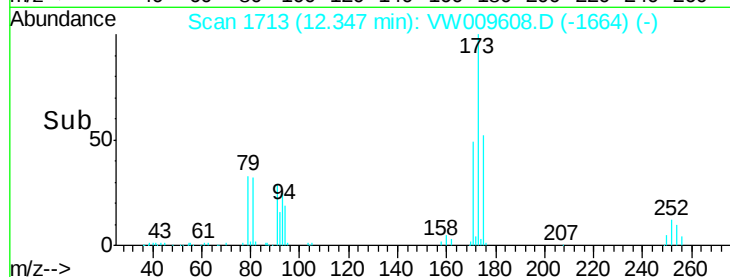
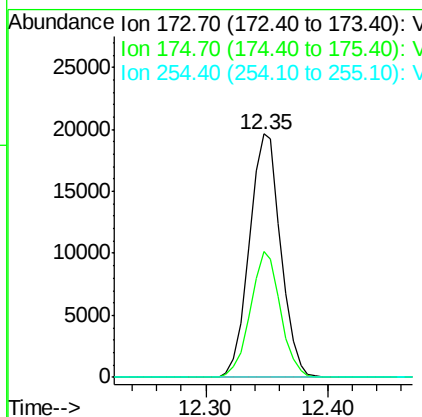
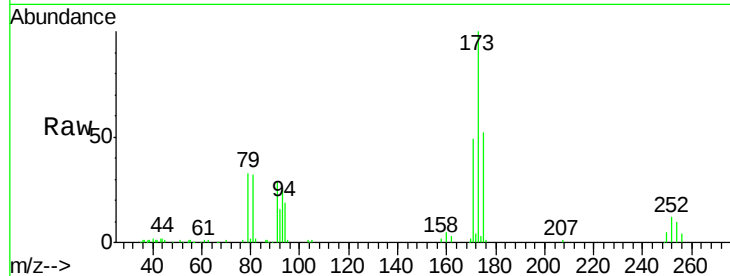
#71
Bromoform
Concen: 20.167 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW009608.D
Acq: 31 Mar 2019 14:04

Instrument :
MSVOA_W
ClientSampleId :
VW0331SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.1	72.4
254	0.0	0.2	0.4

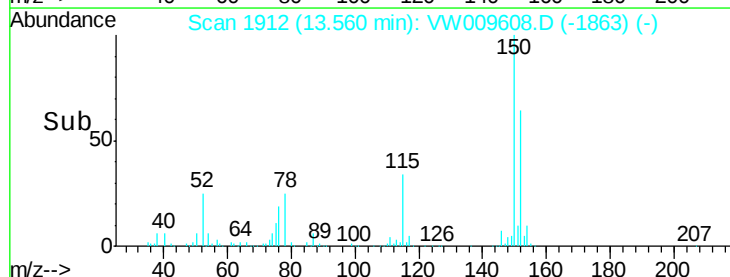
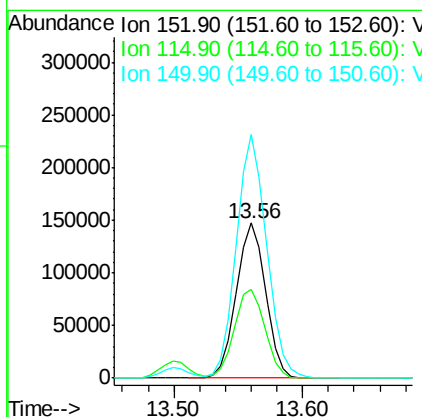
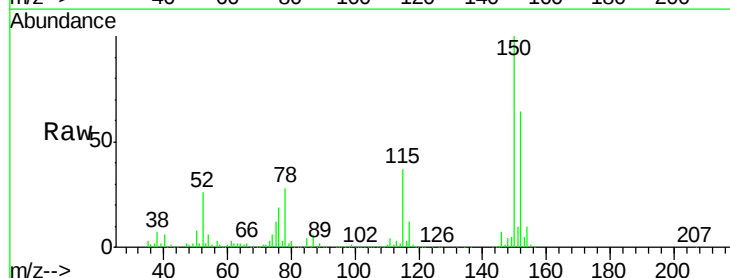
Manual Integrations
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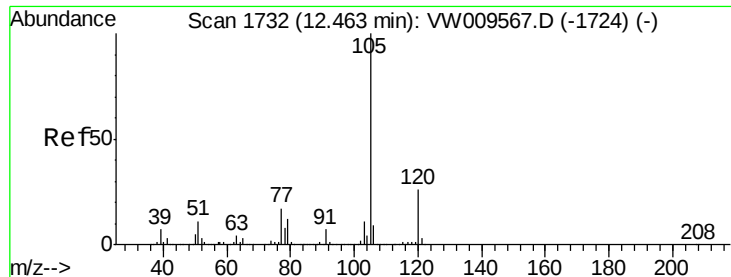
MMDadoda
4/1/2019 5:30:20 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW009608.D
Acq: 31 Mar 2019 14:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.5	29.6	88.8
150	161.5	0.0	349.2





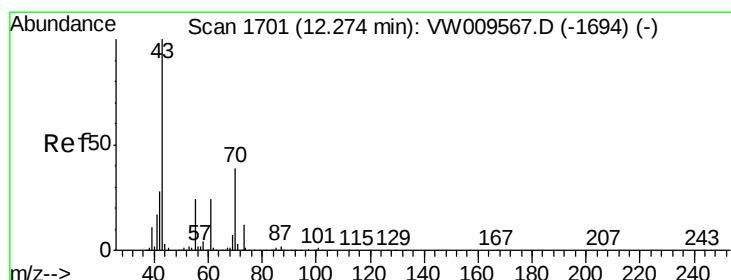
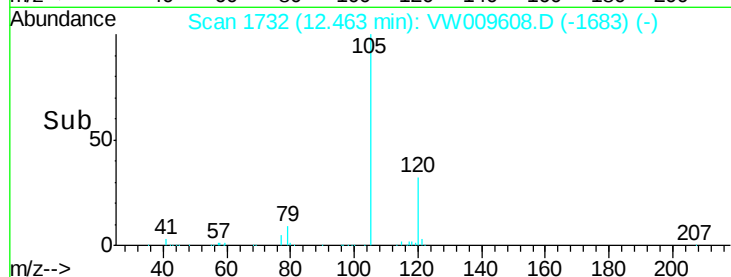
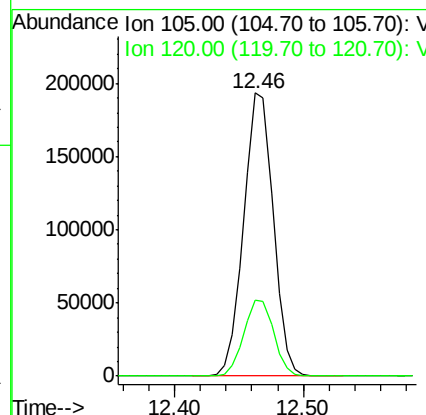
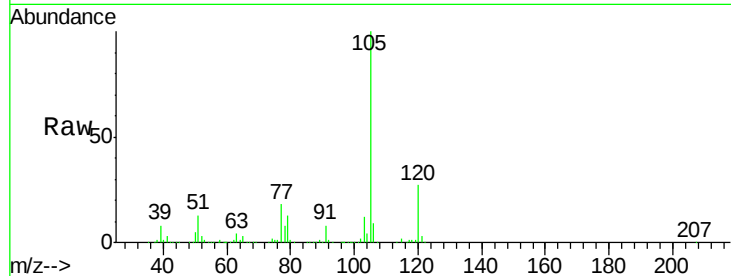
#73
Isopropylbenzene
Concen: 18.896 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW009608.D
Acq: 31 Mar 2019 14:04

Instrument :
MSVOA_W
ClientSampleId :
VW0331SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.3	13.0	39.0

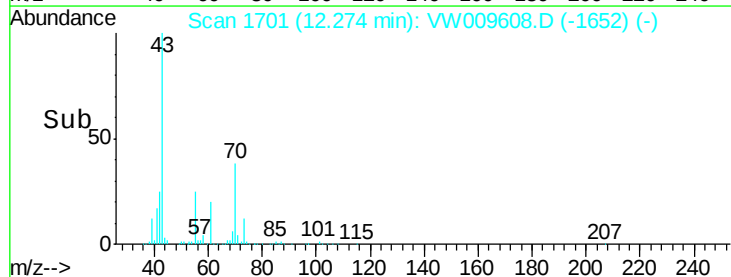
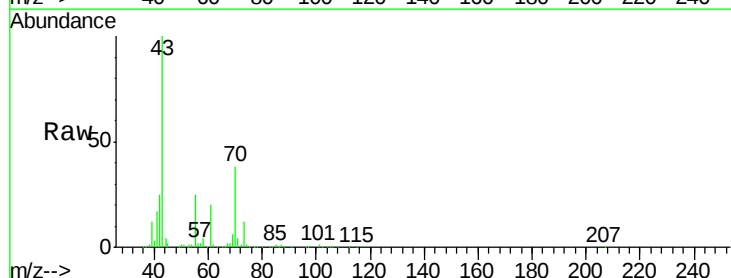
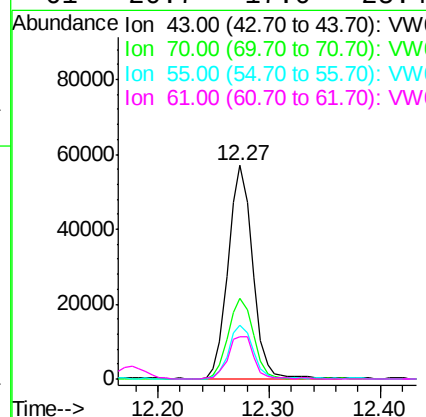
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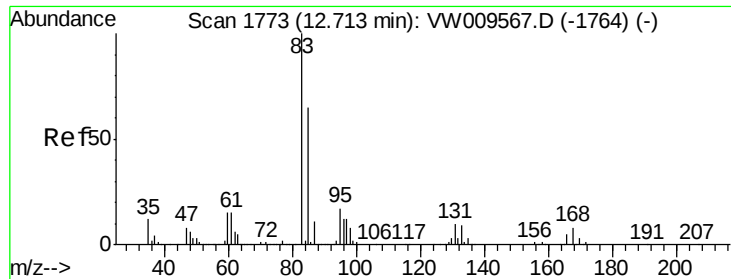
MMDadoda
4/1/2019 5:30:20 PM



#74
N-ethyl acetate
Concen: 20.370 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW009608.D
Acq: 31 Mar 2019 14:04

Tgt Ion	Ratio	Lower	Upper
43	100		
70	38.5	30.6	46.0
55	25.3	19.3	28.9
61	20.7	17.0	25.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.451 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009608.D

Acq: 31 Mar 2019 14:04

Instrument :

MSVOA_W

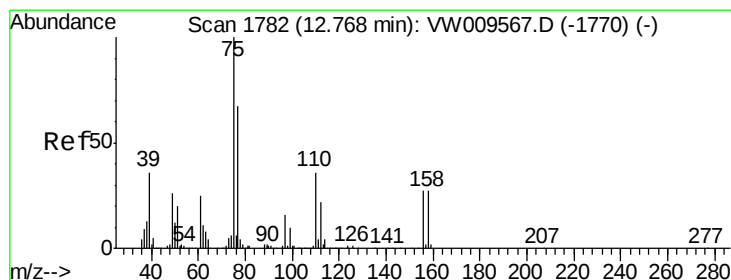
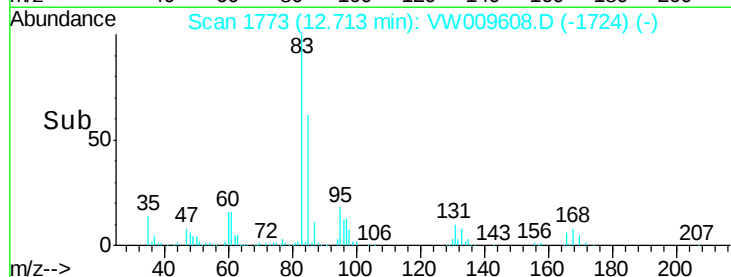
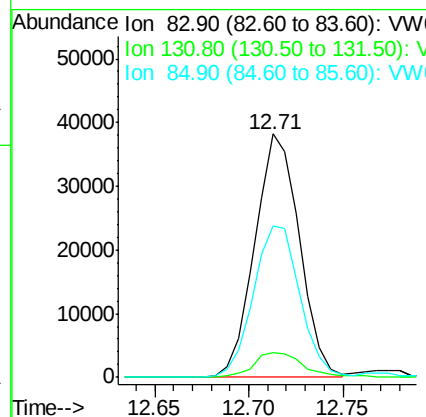
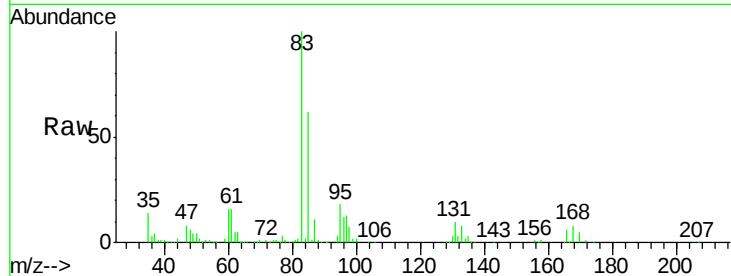
ClientSampleId :

VW0331SBS01

Tot Ion:	83	Resp:	62714
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.3	16.1
85	65.2	32.6	97.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.472 ug/l m

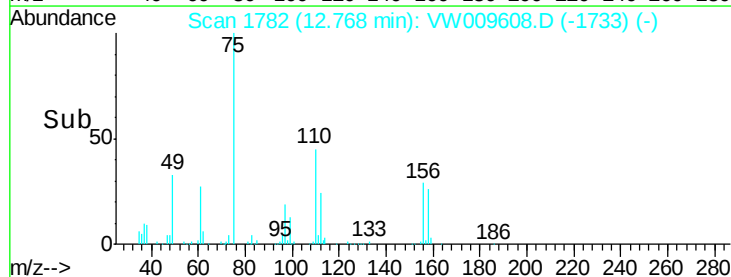
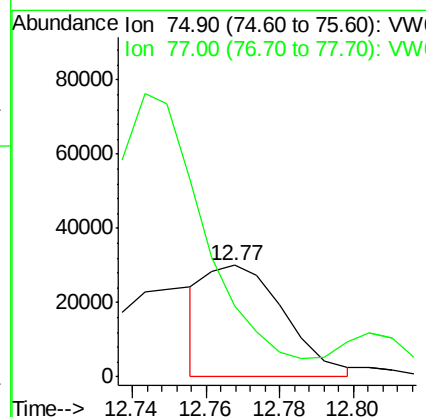
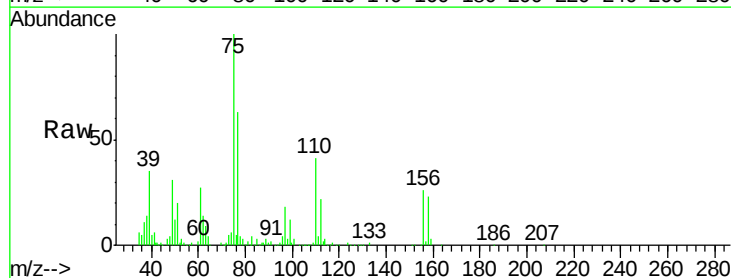
RT: 12.77 min Scan# 1782

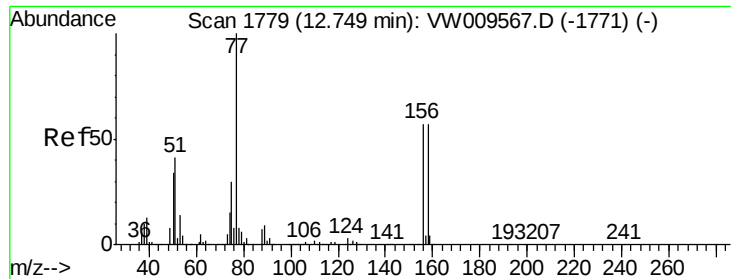
Delta R.T. 0.00 min

Lab File: VW009608.D

Acq: 31 Mar 2019 14:04

Tgt Ion:	75	Resp:	44857
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.685 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW009608.D

Acq: 31 Mar 2019 14:04

Instrument :

MSVOA_W

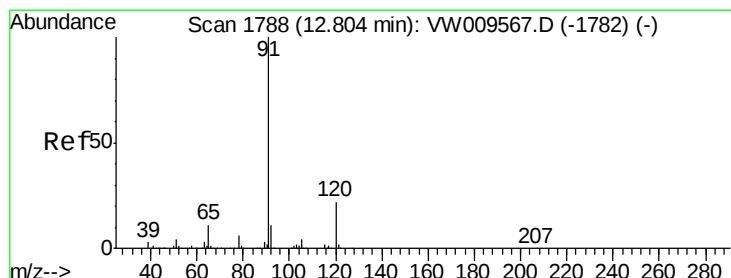
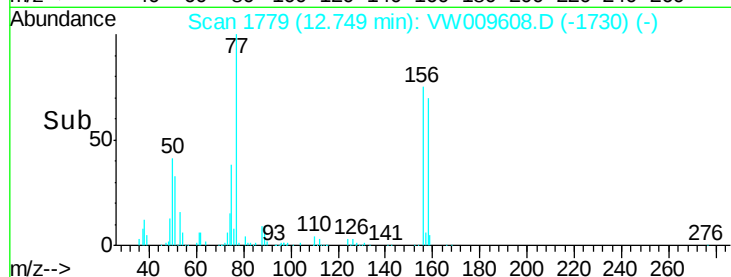
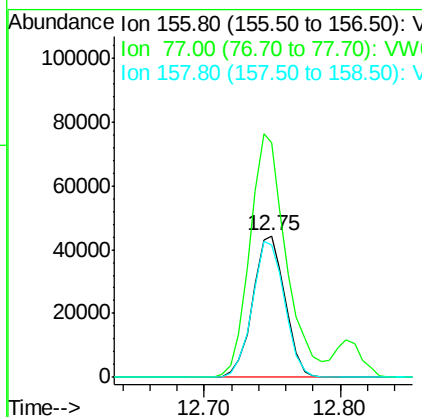
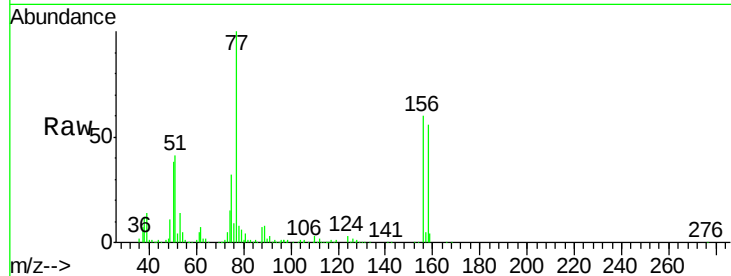
ClientSampled :

VW0331SBS01

Tot Ion:	156	Resp:	73506
Ion Ratio	Lower	Upper	
156	100		
77	193.6	96.0	288.0
158	96.6	49.1	147.3

Manual Integrations
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#78

n-propylbenzene

Concen: 19.643 ug/l

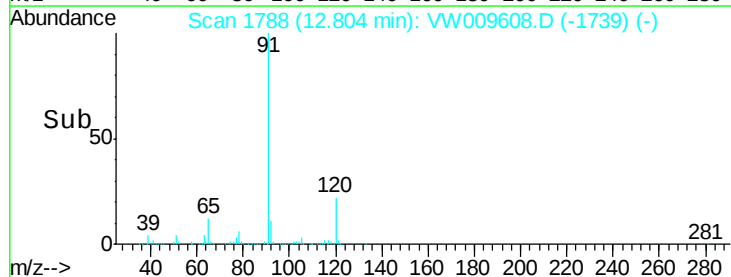
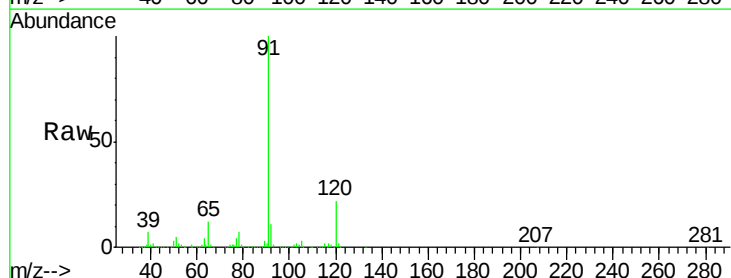
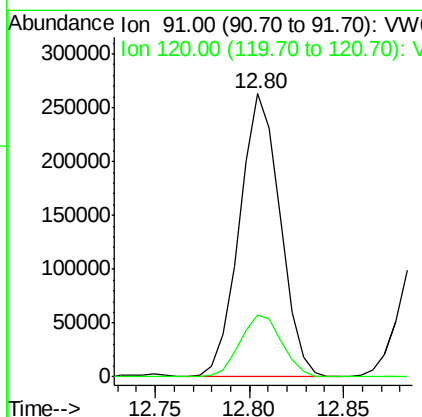
RT: 12.80 min Scan# 1788

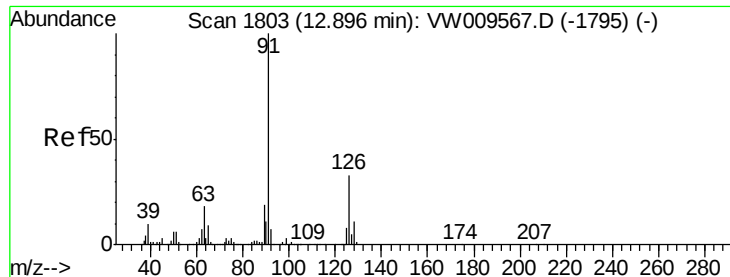
Delta R.T. 0.00 min

Lab File: VW009608.D

Acq: 31 Mar 2019 14:04

Tgt Ion:	91	Resp:	392766
Ion Ratio	Lower	Upper	
91	100		
120	22.6	11.1	33.3





#79

2-Chlorotoluene

Concen: 19.470 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW009608.D

Acq: 31 Mar 2019 14:04

Instrument :

MSVOA_W

ClientSampleId :

VW0331SBS01

Tot Ion: 91 Resp: 221246

Ion Ratio Lower Upper

91 100

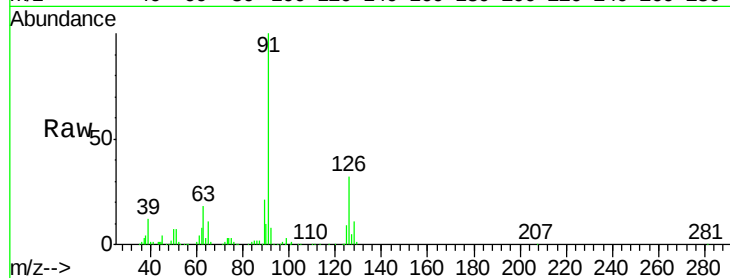
126 32.8 17.0 51.0

Manual Integrations

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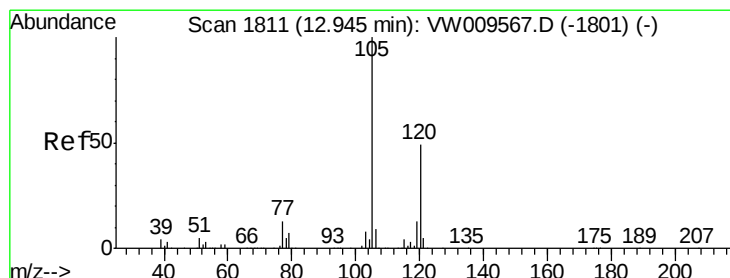
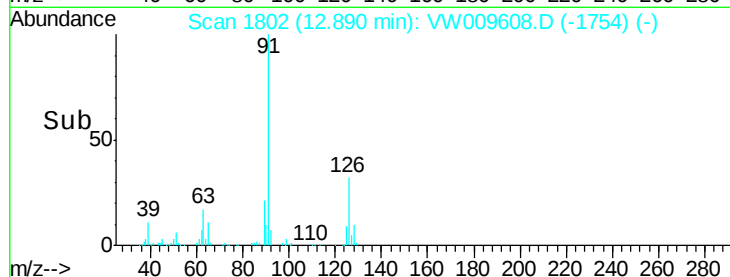
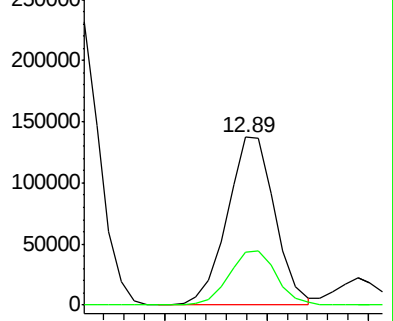
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.499 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW009608.D

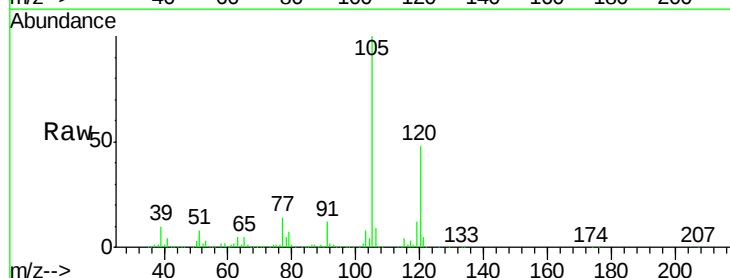
Acq: 31 Mar 2019 14:04

Tgt Ion:105 Resp: 266273

Ion Ratio Lower Upper

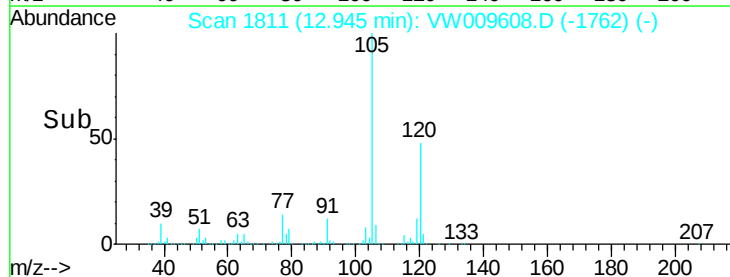
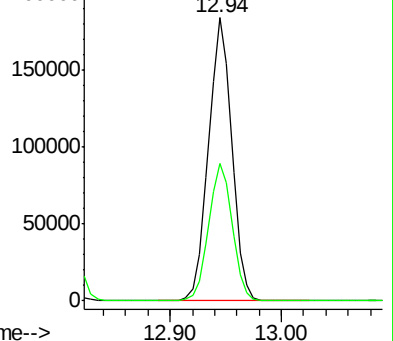
105 100

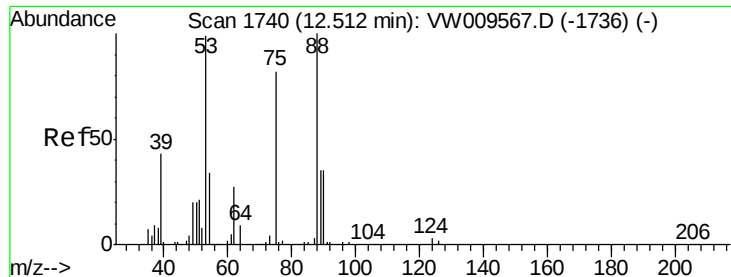
120 49.3 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 19.947 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW009608.D

Acq: 31 Mar 2019 14:04

Instrument :

MSVOA_W

ClientSampleId :

VW0331SBS01

Tot Ion: 75 Resp: 18795

Ion Ratio Lower Upper

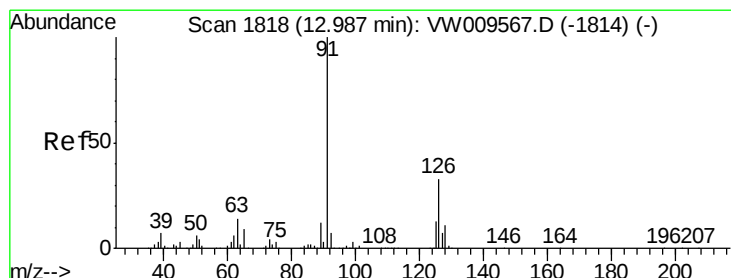
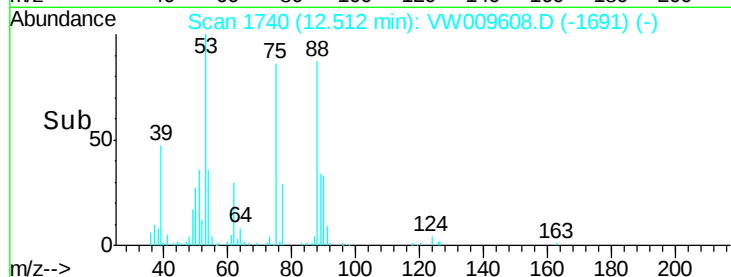
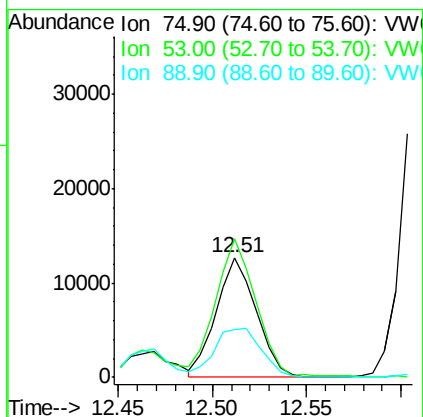
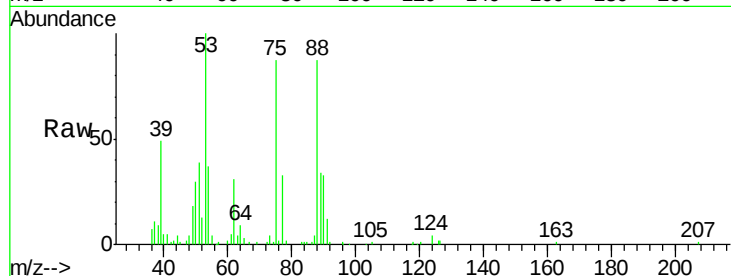
75 100

53 115.6 86.7 130.1

89 47.6 36.4 54.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.640 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW009608.D

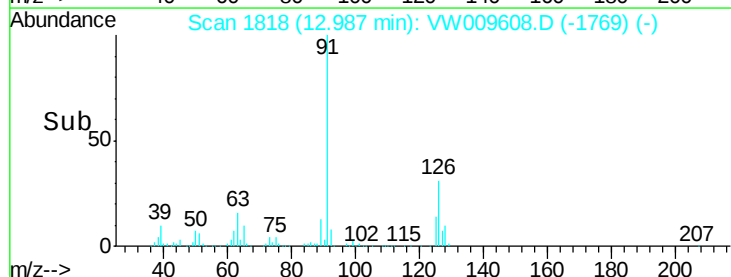
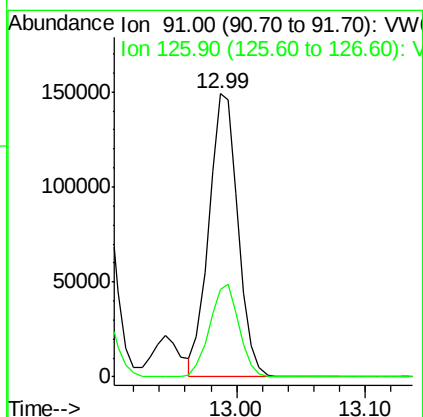
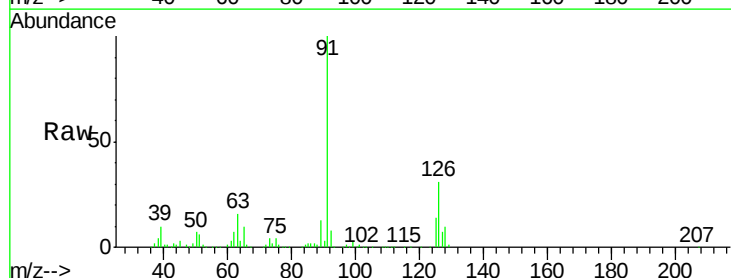
Acq: 31 Mar 2019 14:04

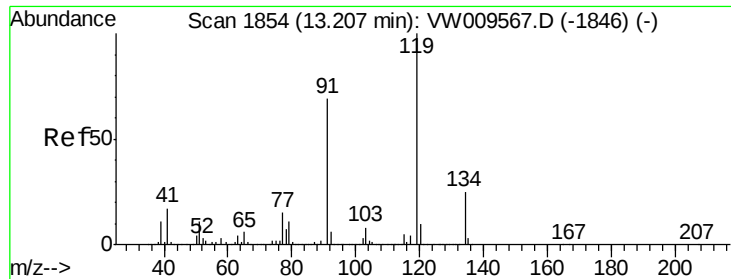
Tgt Ion: 91 Resp: 234877

Ion Ratio Lower Upper

91 100

126 33.3 16.9 50.6





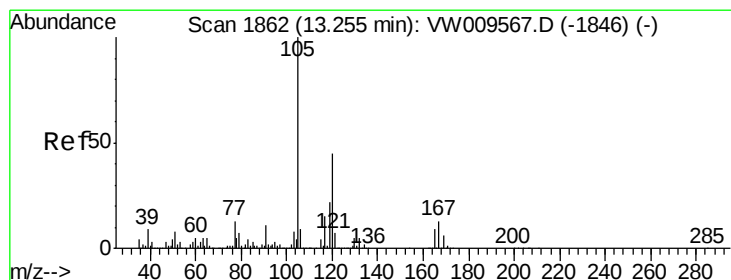
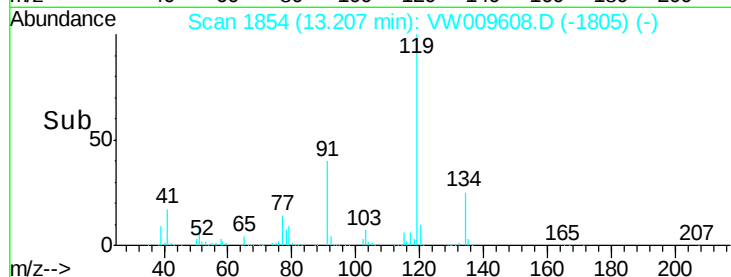
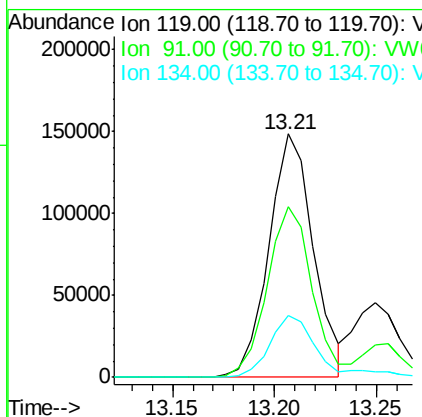
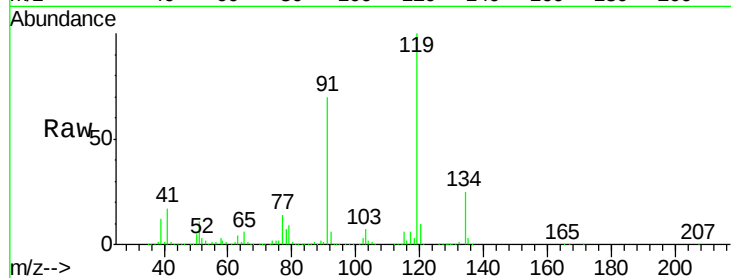
#83
tert-Butylbenzene
Concen: 19.477 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW009608.D
Acq: 31 Mar 2019 14:04

Instrument :
MSVOA_W
ClientSampleId :
VW0331SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.9	34.4	103.2
134	25.4	12.7	38.1

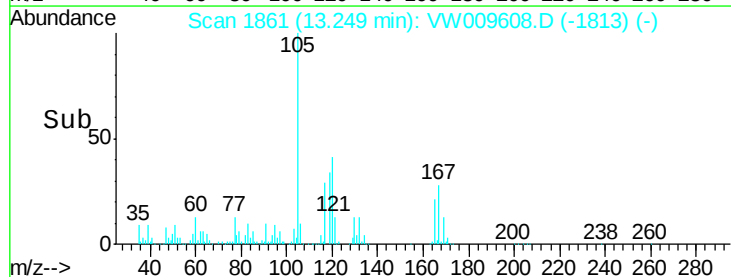
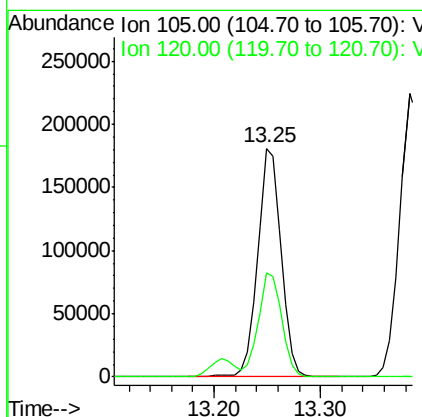
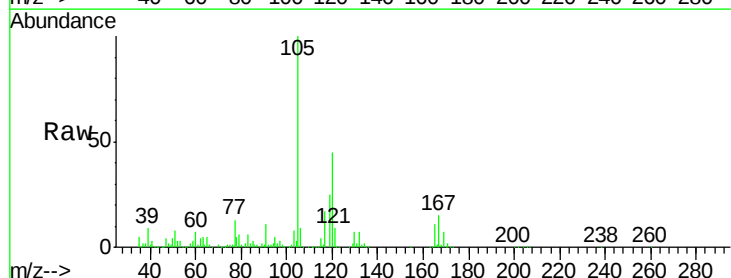
Manual Integrations
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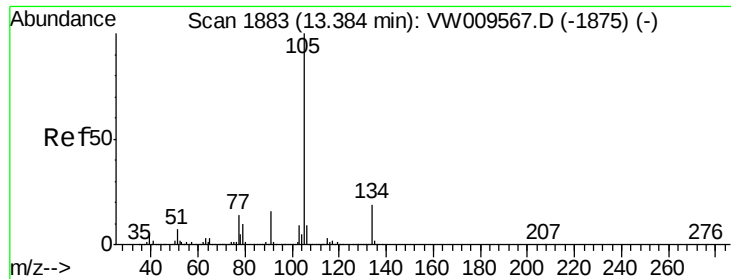
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 19.934 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.01 min
Lab File: VW009608.D
Acq: 31 Mar 2019 14:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.8	68.3





#85

sec-Butylbenzene

Concen: 19.460 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW009608.D

Acq: 31 Mar 2019 14:04

Instrument :

MSVOA_W

ClientSampleId :

VW0331SBS01

Tot Ion:105 Resp: 341290

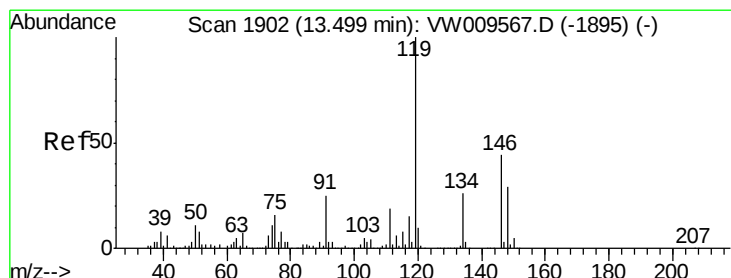
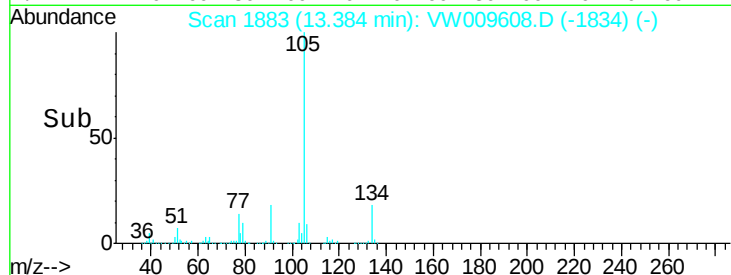
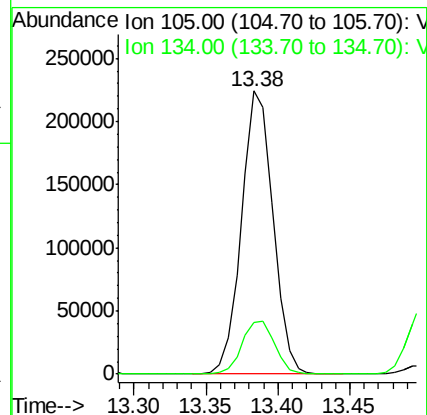
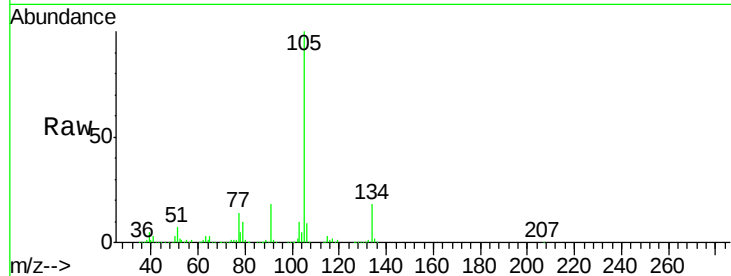
Ion Ratio Lower Upper

105 100

134 19.4 10.2 30.6

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 19.580 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009608.D

Acq: 31 Mar 2019 14:04

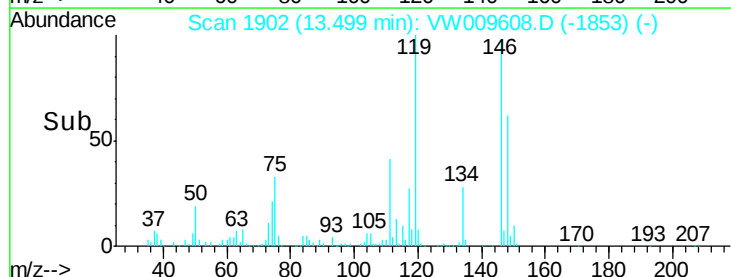
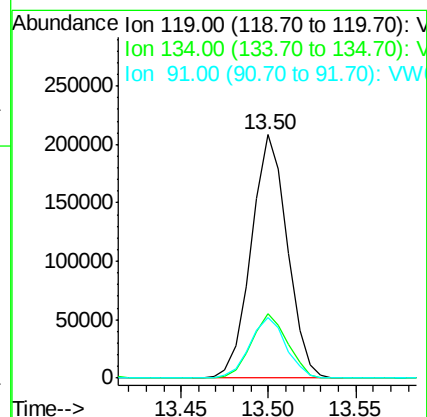
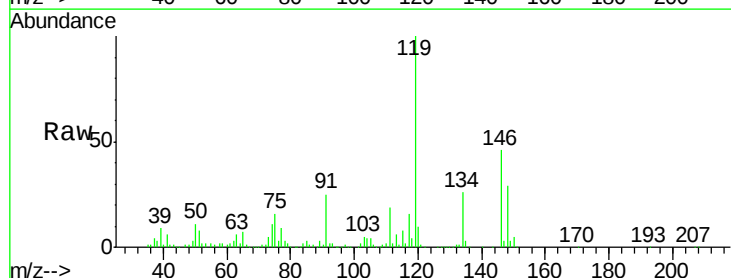
Tgt Ion:119 Resp: 298683

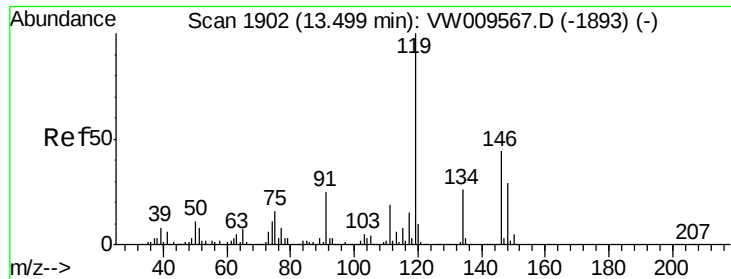
Ion Ratio Lower Upper

119 100

134 26.4 13.1 39.3

91 25.1 12.3 36.8





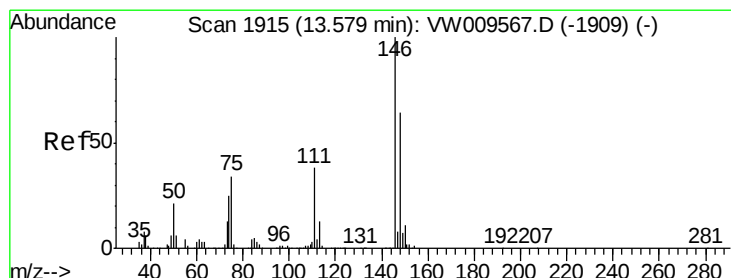
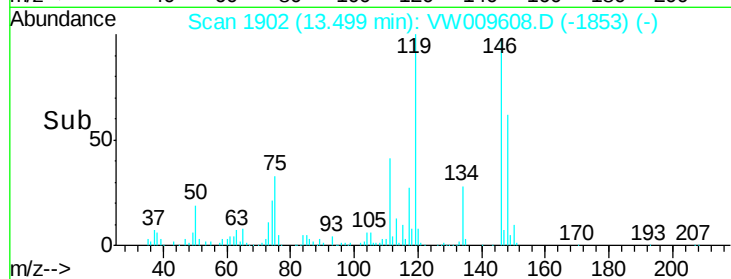
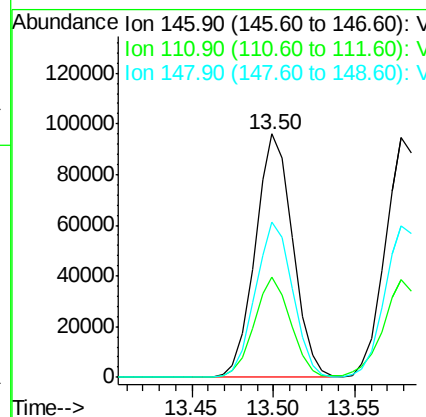
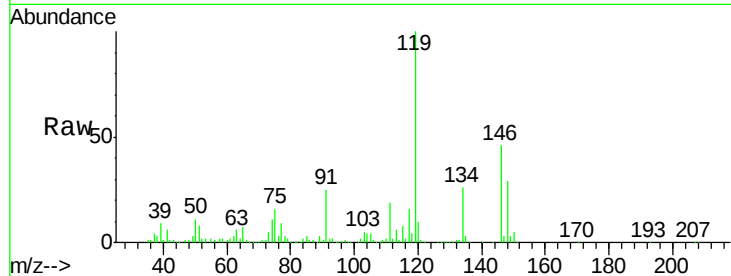
#87
 1,3-Dichlorobenzene
 Concen: 19.846 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009608.D
 Acq: 31 Mar 2019 14:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0331SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	153017		
111	40.6	20.1	60.2	
148	63.4	31.4	94.3	

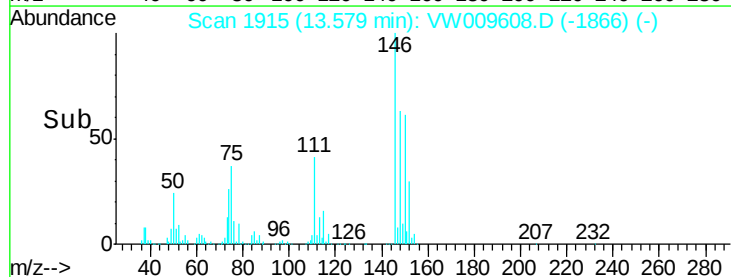
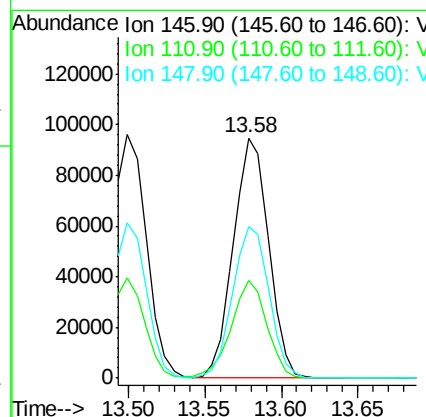
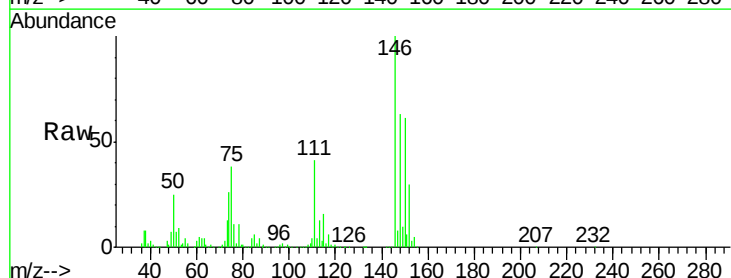
Manual Integrations
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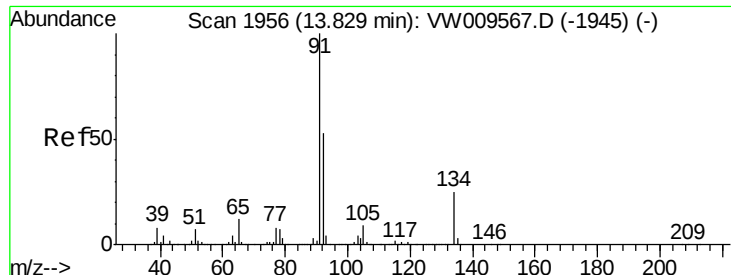
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#88
 1,4-Dichlorobenzene
 Concen: 19.731 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW009608.D
 Acq: 31 Mar 2019 14:04

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	151952		
111	40.9	19.9	59.6	
148	64.7	32.2	96.6	





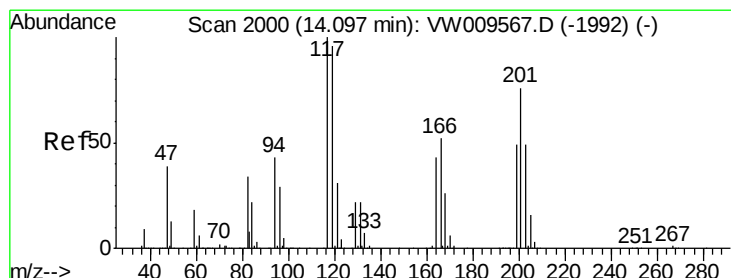
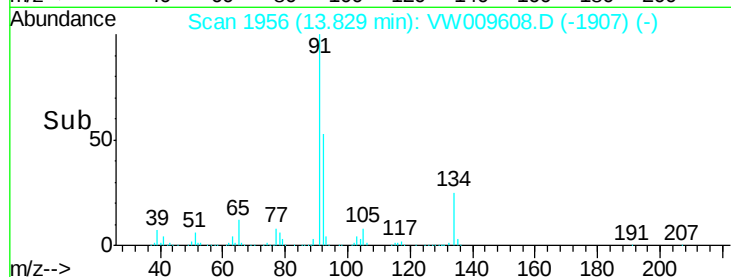
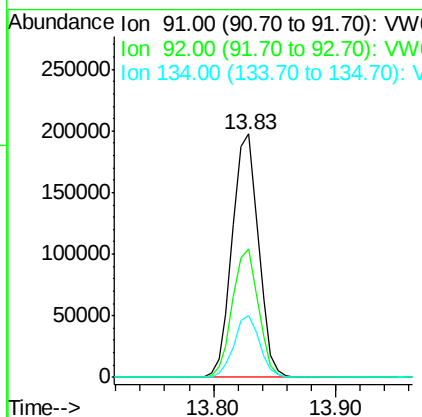
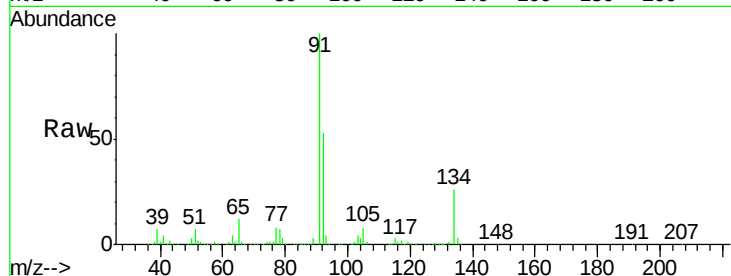
#89
n-Butylbenzene
Concen: 19.413 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW009608.D
Acq: 31 Mar 2019 14:04

Instrument :
MSVOA_W
ClientSampleId :
VW0331SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.4	79.0
134	24.7	12.9	38.6

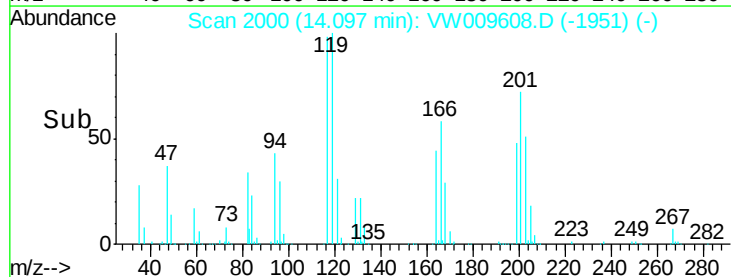
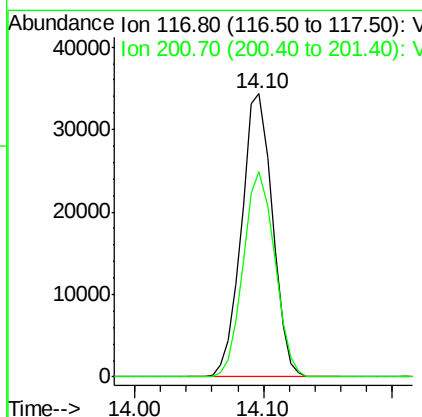
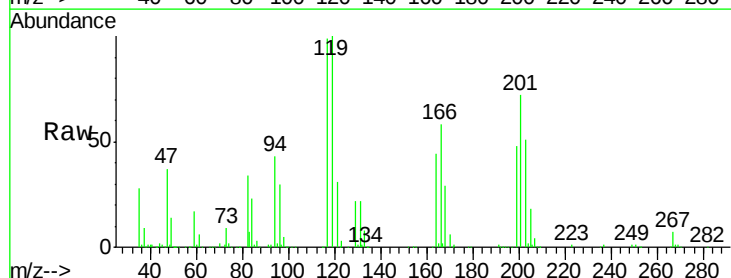
Manual Integrations
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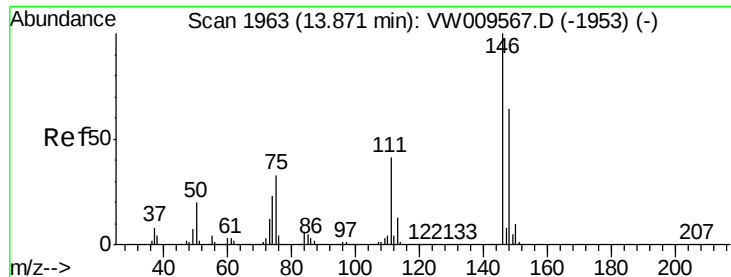
MMDadoda
4/1/2019 5:30:20 PM



#90
Hexachloroethane
Concen: 19.506 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW009608.D
Acq: 31 Mar 2019 14:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.8	38.2	114.6





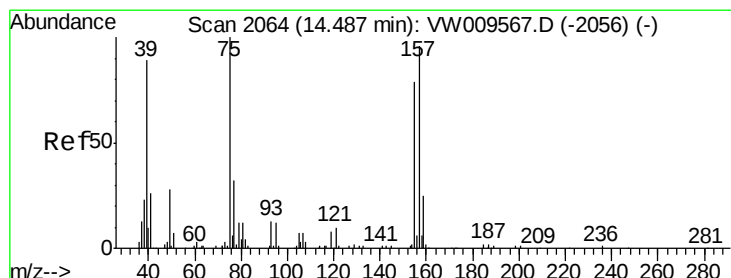
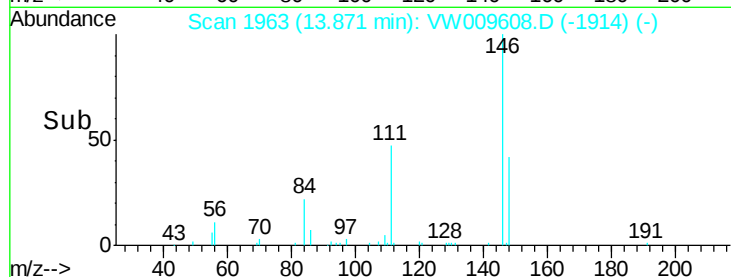
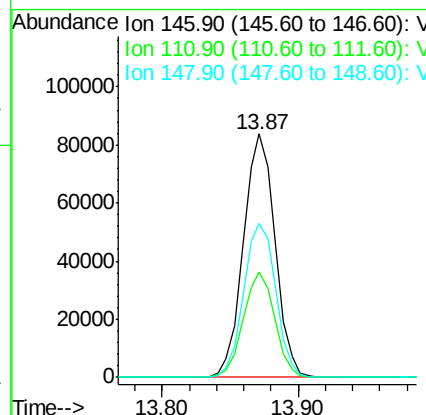
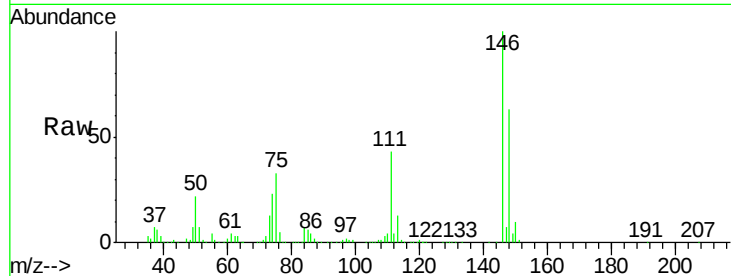
#91
 1,2-Dichlorobenzene
 Concen: 19.736 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW009608.D
 Acq: 31 Mar 2019 14:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0331SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	20.4	61.2
148	64.3	31.9	95.9

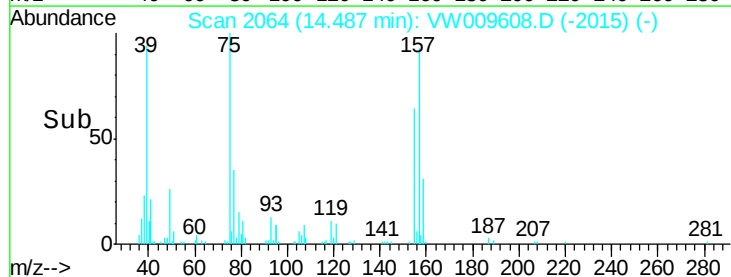
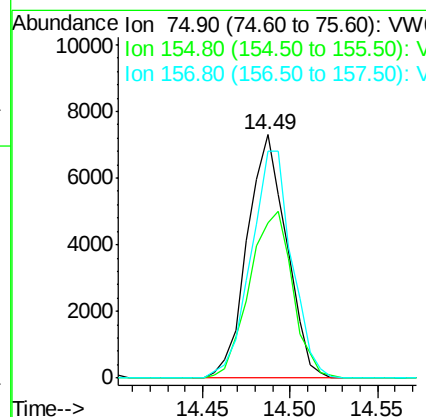
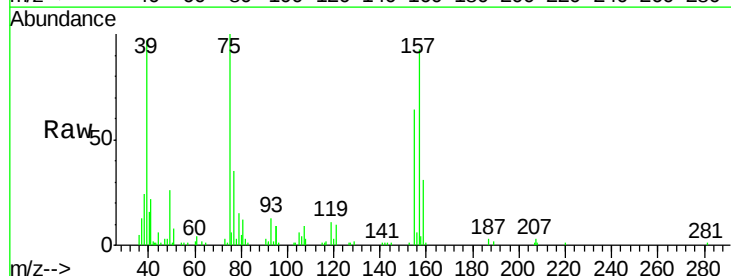
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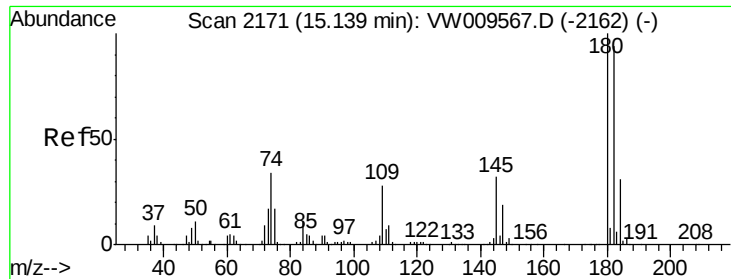
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.289 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW009608.D
 Acq: 31 Mar 2019 14:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.5	39.3	117.8
157	97.6	49.5	148.5





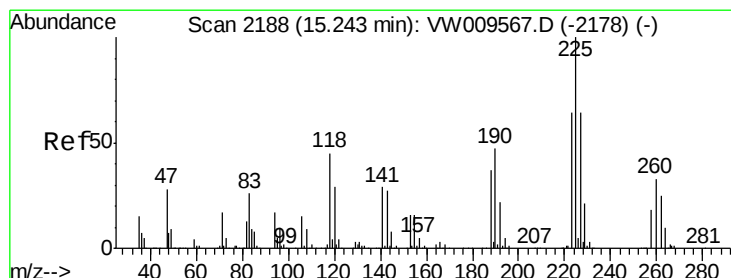
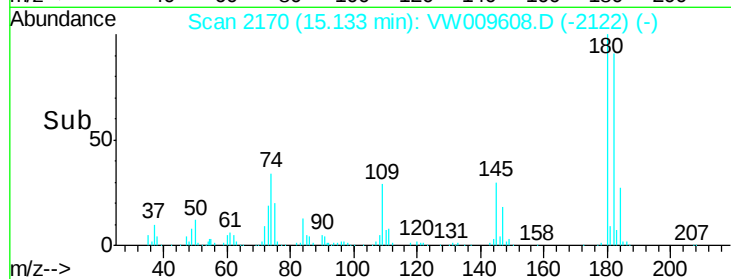
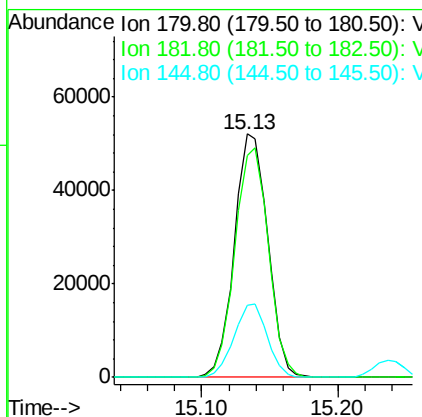
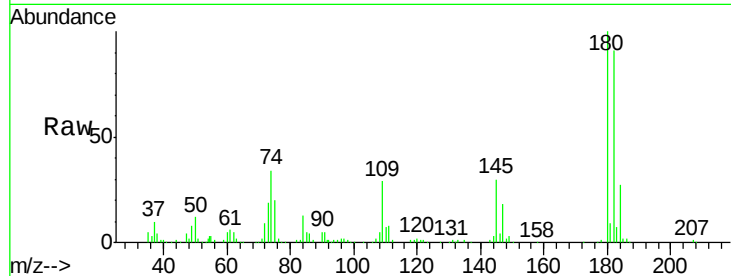
#93
1,2,4-Trichlorobenzene
Concen: 20.063 ug/l
RT: 15.13 min Scan# 2170
Delta R.T. -0.01 min
Lab File: VW009608.D
Acq: 31 Mar 2019 14:04

Instrument :
MSVOA_W
ClientSampleId :
VW0331SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.9	143.7
145	30.1	15.0	45.0

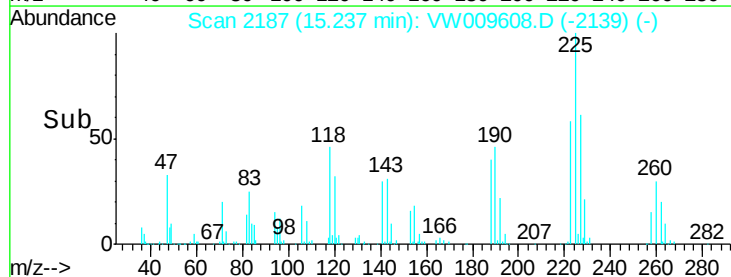
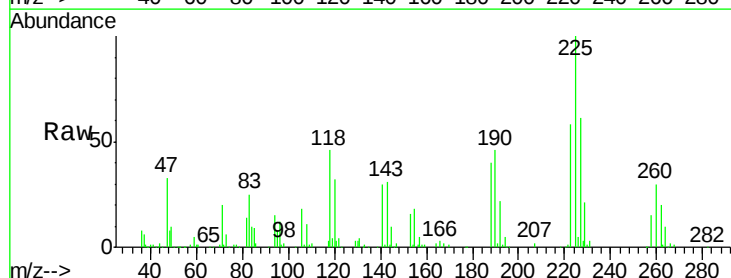
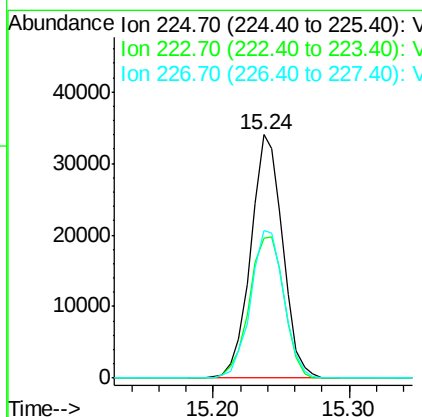
Manual Integrations
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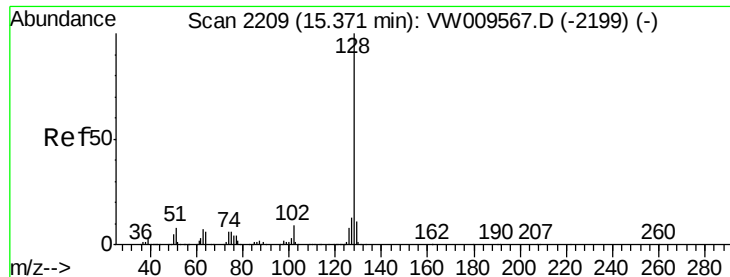
MMDadoda
4/1/2019 5:30:20 PM



#94
Hexachlorobutadiene
Concen: 19.616 ug/l
RT: 15.24 min Scan# 2187
Delta R.T. -0.01 min
Lab File: VW009608.D
Acq: 31 Mar 2019 14:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	31.4	94.3
227	63.3	32.1	96.5





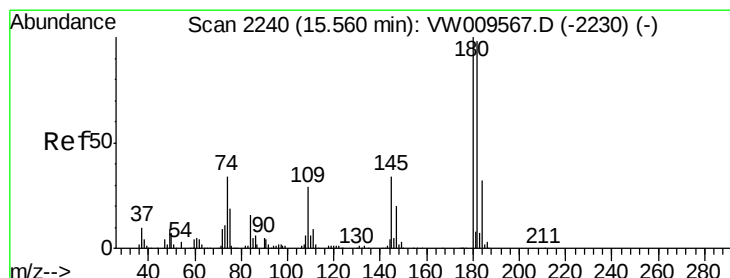
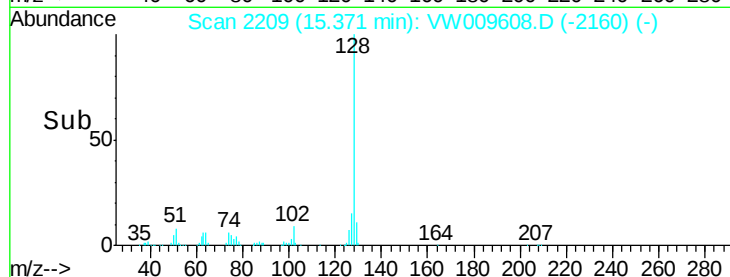
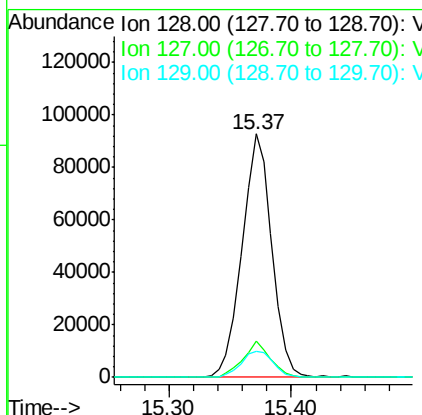
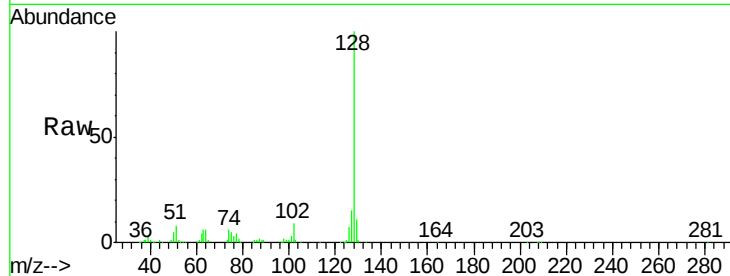
#95
Naphthalene
Concen: 19.060 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW009608.D
Acq: 31 Mar 2019 14:04

Instrument :
MSVOA_W
ClientSampleId :
VW0331SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	155921		
127	14.0	10.8	16.2	
129	11.7	8.7	13.1	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.803 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW009608.D
Acq: 31 Mar 2019 14:04

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	82524		
182	94.5	47.3	141.9	
145	33.1	16.0	48.0	

