

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041719\
 Data File : VW010021.D
 Acq On : 17 Apr 2019 17:34
 Operator : SY/VA
 Sample : VW0417SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0417SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/18/2019 11:40:43 AM

Quant Time: Apr 18 03:07:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 02:23:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	394813	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	629037	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	574243	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	296948	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	241229	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	
35) Dibromofluoromethane	7.88	113	194811	48.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.42%	
50) Toluene-d8	10.32	98	753423	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	
62) 4-Bromofluorobenzene	12.62	95	274299	50.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	59651	19.815	ug/l	97
3) Chloromethane	2.21	50	56110	18.638	ug/l	99
4) Vinyl Chloride	2.37	62	68520	19.581	ug/l	95
5) Bromomethane	2.77	94	44691	19.004	ug/l	99
6) Chloroethane	2.92	64	43967	19.230	ug/l	94
7) Trichlorofluoromethane	3.25	101	44774	18.506	ug/l	99
8) Diethyl Ether	3.67	74	40127	19.938	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	79048	19.416	ug/l	100
10) Methyl Iodide	4.26	142	106463	18.923	ug/l	100
11) Tert butyl alcohol	5.18	59	28893	104.110	ug/l	97
12) 1,1-Dichloroethene	4.03	96	73830	18.916	ug/l	99
13) Acrolein	3.88	56	27606	94.552	ug/l	96
14) Allyl chloride	4.65	41	124237	17.904	ug/l	98
15) Acrylonitrile	5.36	53	108461	104.720	ug/l	98
16) Acetone	4.12	43	108336	95.834	ug/l	100
17) Carbon Disulfide	4.37	76	197741	17.706	ug/l	100
18) Methyl Acetate	4.67	43	52907	20.222	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	109938	21.686	ug/l	94
20) Methylene Chloride	4.91	84	97831	19.643	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	82046	19.412	ug/l	93
22) Diisopropyl ether	6.31	45	289368	20.558	ug/l	99
23) Vinyl Acetate	6.25	43	951191	107.350	ug/l	98
24) 1,1-Dichloroethane	6.20	63	167455	19.901	ug/l	99
25) 2-Butanone	7.17	43	161852	108.993	ug/l	93
26) 2,2-Dichloropropane	7.16	77	90087	19.352	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	91070	19.592	ug/l	99
28) Bromochloromethane	7.50	49	72489	21.081	ug/l	98
29) Tetrahydrofuran	7.53	42	102011	108.415	ug/l	98
30) Chloroform	7.67	83	167750	19.896	ug/l	99
31) Cyclohexane	7.95	56	153251	19.450	ug/l	93
32) 1,1,1-Trichloroethane	7.87	97	129507	19.566	ug/l	97
36) 1,1-Dichloropropene	8.07	75	131268	20.429	ug/l	99
37) Ethyl Acetate	7.25	43	68721	21.047	ug/l	98
38) Carbon Tetrachloride	8.06	117	125057	19.942	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	142803	19.024	ug/l	97
40) Benzene	8.32	78	358778	20.421	ug/l	100
41) Methacrylonitrile	7.48	41	40662	21.851	ug/l	98
42) 1,2-Dichloroethane	8.40	62	124310	20.589	ug/l	100
43) Isopropyl Acetate	8.42	43	132985	21.735	ug/l	97
44) Trichloroethene	9.09	130	88287	19.785	ug/l	97
45) 1,2-Dichloropropane	9.37	63	93730	20.297	ug/l	90
46) Dibromomethane	9.45	93	49480	20.673	ug/l	99
47) Bromodichloromethane	9.64	83	121664	19.691	ug/l	96
48) Methyl methacrylate	9.43	41	63836	21.434	ug/l	99
49) 1,4-Dioxane	9.45	88	14475	395.790	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	357531	111.570	ug/l	98
52) Toluene	10.38	92	226761	20.720	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	127475	20.809	ug/l	93
54) cis-1,3-Dichloropropene	10.07	75	140520	20.089	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	69020	20.660	ug/l	94
56) Ethyl methacrylate	10.65	69	86573	20.318	ug/l	98
57) 1,3-Dichloropropane	10.93	76	125057	20.885	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	268586	134.548	ug/l	100
59) 2-Hexanone	10.97	43	253993	113.862	ug/l	98
60) Dibromochloromethane	11.13	129	78845	20.420	ug/l	99
61) 1,2-Dibromoethane	11.23	107	65045	20.468	ug/l	97
64) Tetrachloroethene	10.86	164	74405	19.960	ug/l	99
65) Chlorobenzene	11.66	112	245565	20.893	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	84806	20.177	ug/l	97
67) Ethyl Benzene	11.73	91	427407	20.382	ug/l	98
68) m/p-Xylenes	11.84	106	325826	41.567	ug/l	99
69) o-Xylene	12.16	106	148216	20.766	ug/l	100
70) Styrene	12.18	104	251091	20.404	ug/l	99
71) Bromoform	12.35	173	46621	20.977	ug/l	96
73) Isopropylbenzene	12.46	105	420691	20.356	ug/l	99
74) N-amyl acetate	12.27	43	121639	21.253	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	85716	20.993	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	62563m	21.051	ug/l	
77) Bromobenzene	12.75	156	96782	20.362	ug/l	100
78) n-propylbenzene	12.80	91	525970	20.534	ug/l	100
79) 2-Chlorotoluene	12.89	91	299314	20.318	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	360133	20.552	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	25443	20.186	ug/l	94
82) 4-Chlorotoluene	12.99	91	317346	20.468	ug/l	100
83) tert-Butylbenzene	13.21	119	299162	20.616	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	364049	20.491	ug/l	99
85) sec-Butylbenzene	13.38	105	449742	20.739	ug/l	100
86) p-Isopropyltoluene	13.50	119	390324	20.421	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	195122	20.308	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	198218	20.668	ug/l	99
89) n-Butylbenzene	13.83	91	384660	20.313	ug/l	99
90) Hexachloroethane	14.10	117	71968	19.659	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	179038	20.782	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	15121	20.694	ug/l	97

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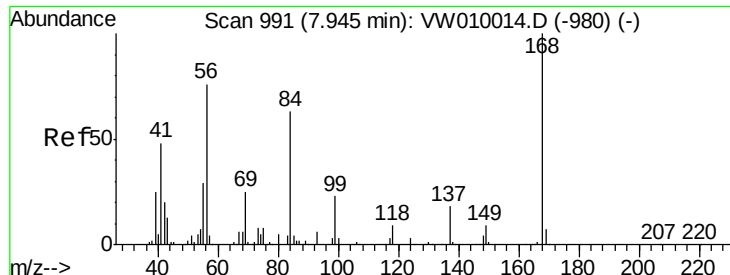
Manual Integrations
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QLast Update : Thu Apr 18 02:23:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	115957	20.402	ug/l	99
94) Hexachlorobutadiene	15.24	225	69355	20.095	ug/l	100
95) Naphthalene	15.37	128	214241	20.624	ug/l	98
96) 1,2,3-Trichlorobenzene	15.56	180	104703	21.234	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: VW010021.D

Acq: 17 Apr 2019 17:34

Instrument :

MSVOA_W

ClientSampleId :

VW0417SBS01

Tot Ion:168 Resp: 394813

Ion Ratio Lower Upper

168 100

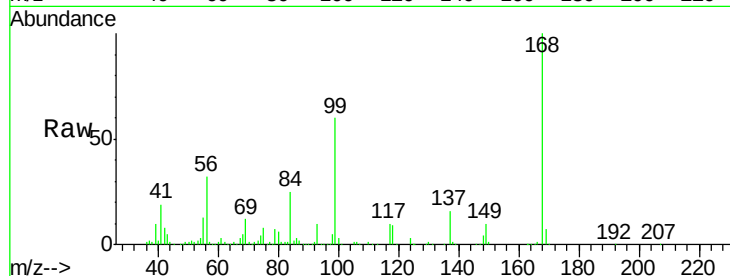
99 60.0 48.4 72.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

150000

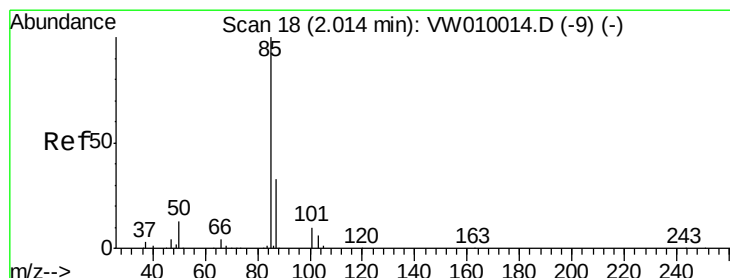
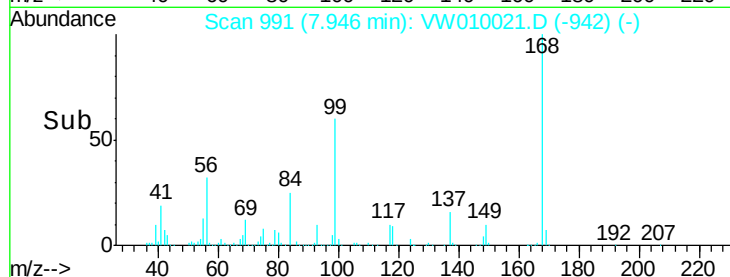
100000

50000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 19.815 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW010021.D

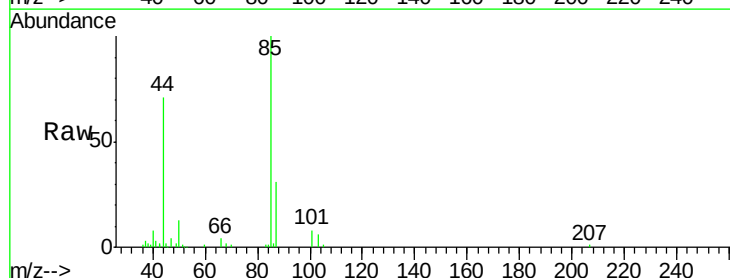
Acq: 17 Apr 2019 17:34

Tgt Ion: 85 Resp: 59651

Ion Ratio Lower Upper

85 100

87 30.9 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

20000

15000

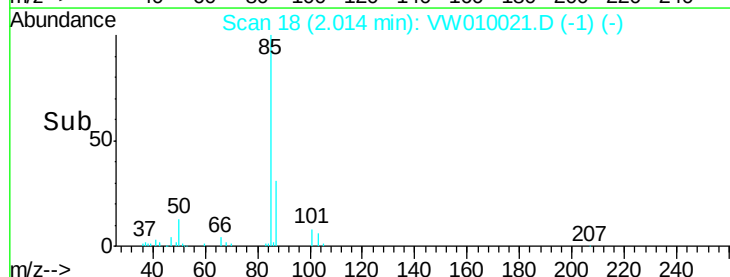
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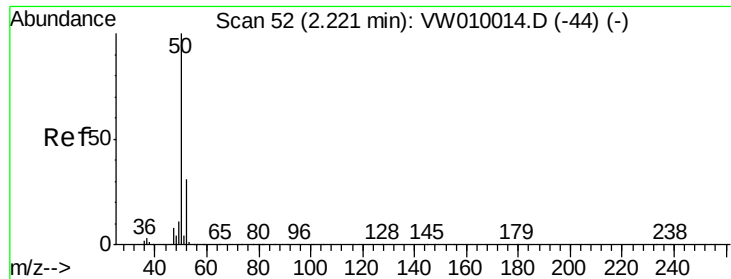
5000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 18.638 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW010021.D

Acq: 17 Apr 2019 17:34

Instrument :

MSVOA_W

ClientSampleId :

VW0417SBS01

Tot Ion: 50 Resp: 56110

Ion Ratio Lower Upper

50 100

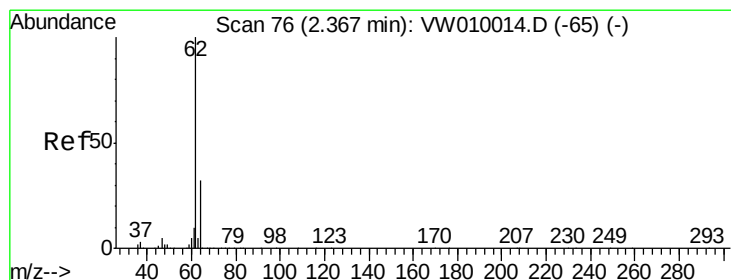
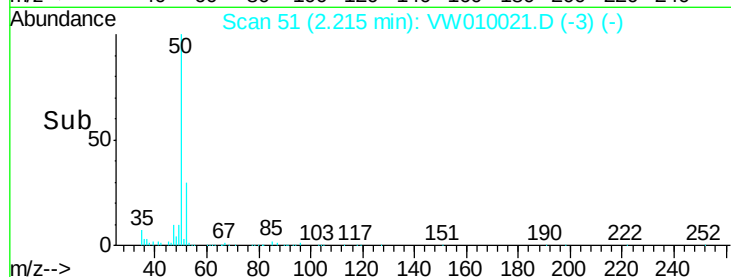
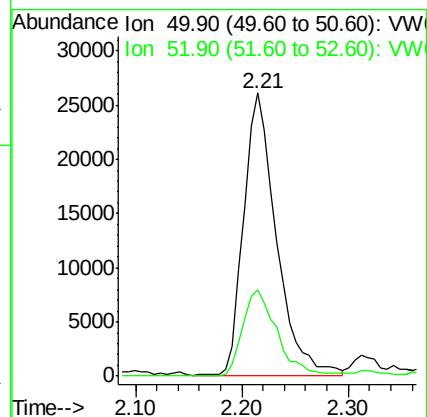
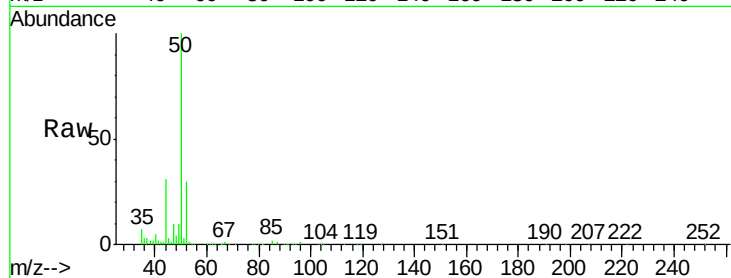
52 30.5 25.0 37.6

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#4

Vinyl Chloride

Concen: 19.581 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW010021.D

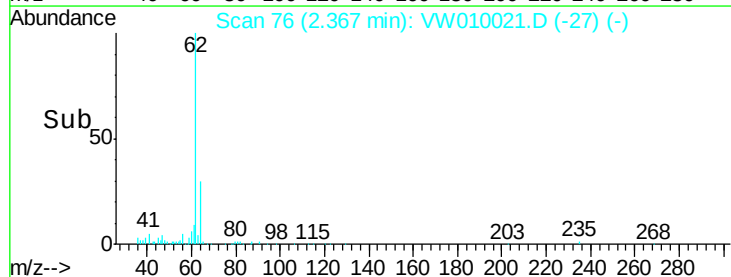
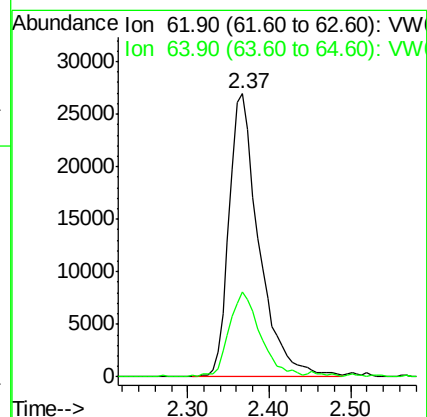
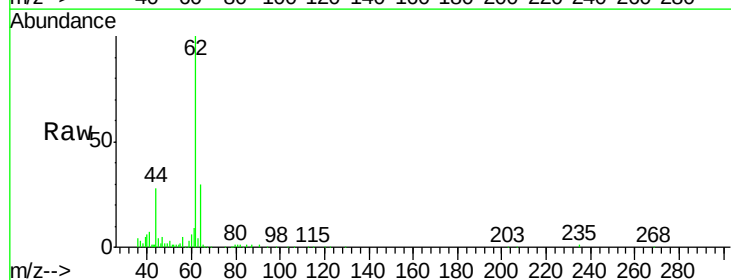
Acq: 17 Apr 2019 17:34

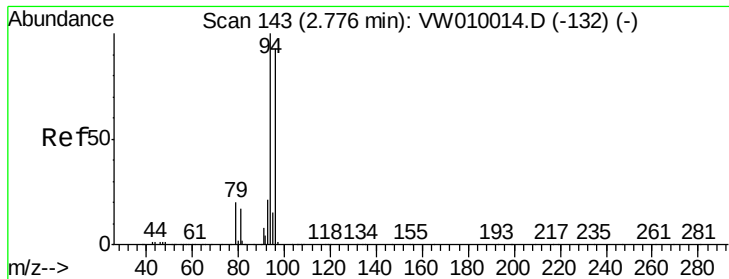
Tgt Ion: 62 Resp: 68520

Ion Ratio Lower Upper

62 100

64 29.7 25.9 38.9





#5

Bromomethane

Concen: 19.004 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW010021.D

Acq: 17 Apr 2019 17:34

Instrument :

MSVOA_W

ClientSampleId :

VW0417SBS01

Tot Ion: 94 Resp: 44691

Ion Ratio Lower Upper

94 100

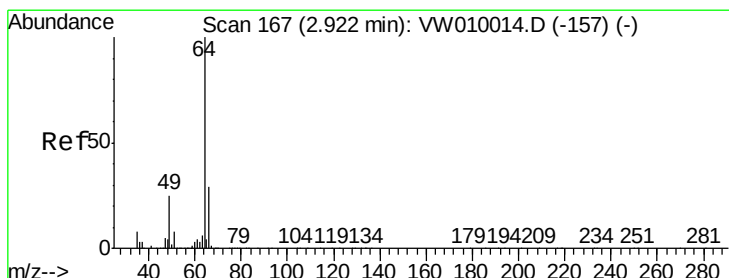
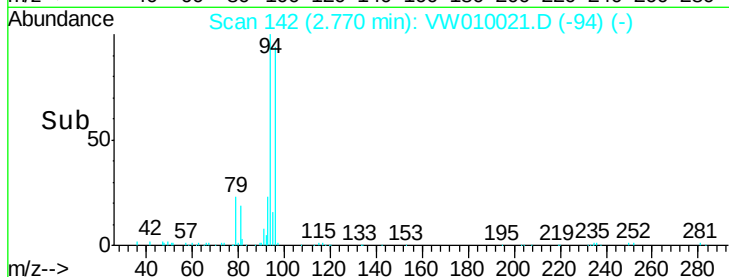
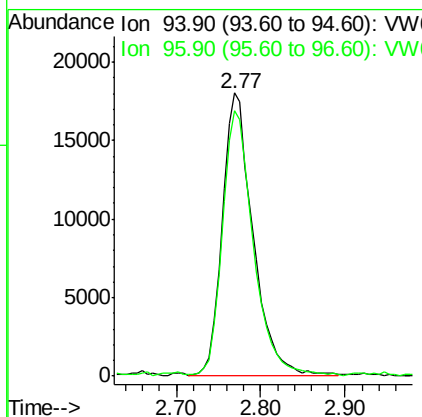
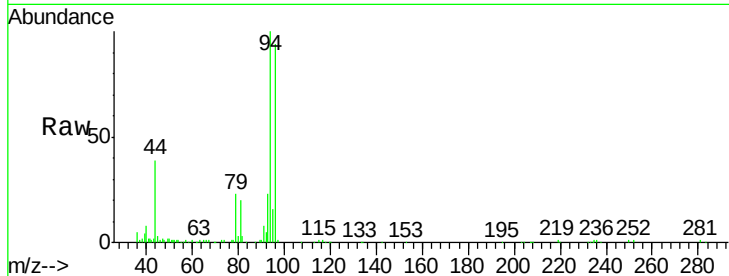
96 93.7 74.2 111.2

Manual Integrations

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#6

Chloroethane

Concen: 19.230 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW010021.D

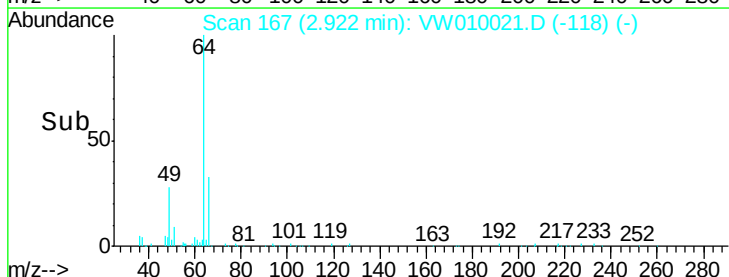
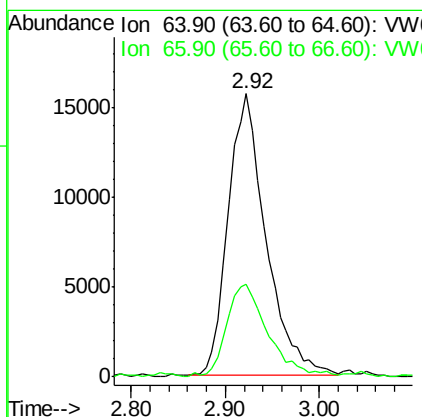
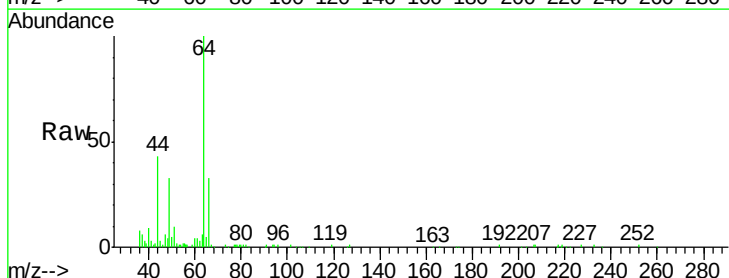
Acq: 17 Apr 2019 17:34

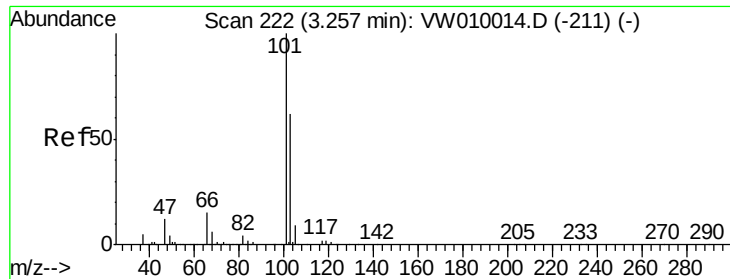
Tgt Ion: 64 Resp: 43967

Ion Ratio Lower Upper

64 100

66 32.6 23.4 35.0





#7

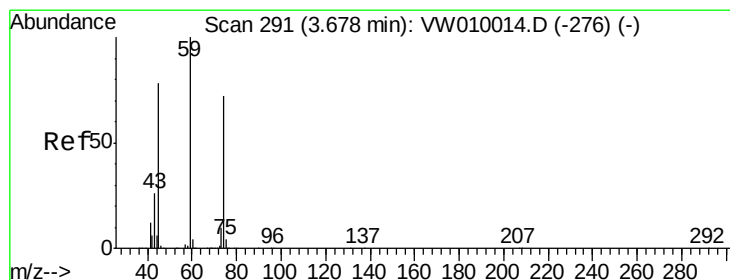
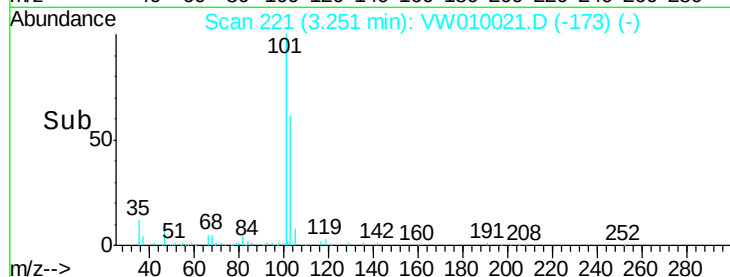
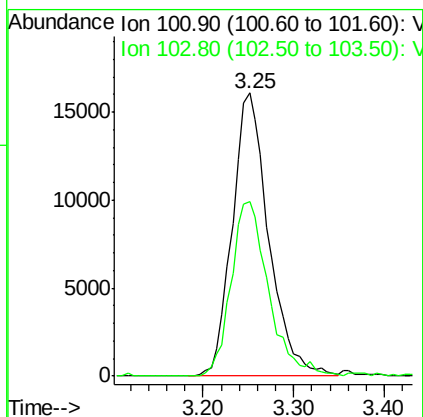
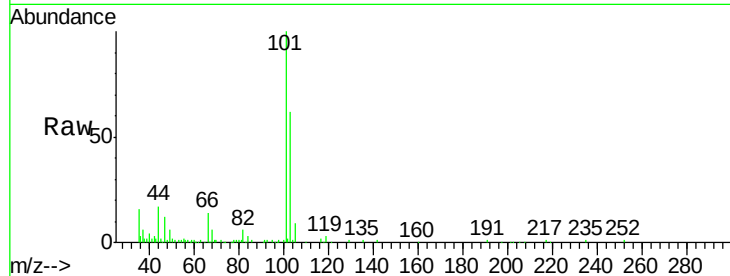
Trichlorofluoromethane
 Concen: 18.506 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW010021.D
 Acq: 17 Apr 2019 17:34

Instrument :
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 ClientSampleId :
 VW0417SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.6	49.8	74.6

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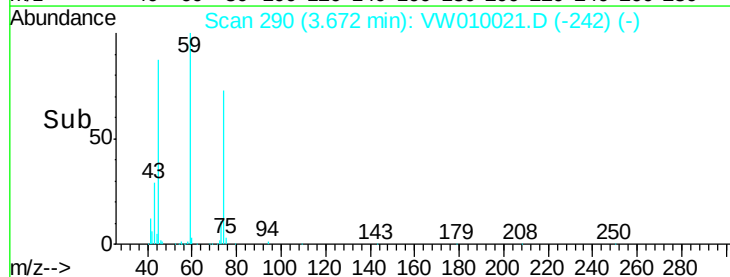
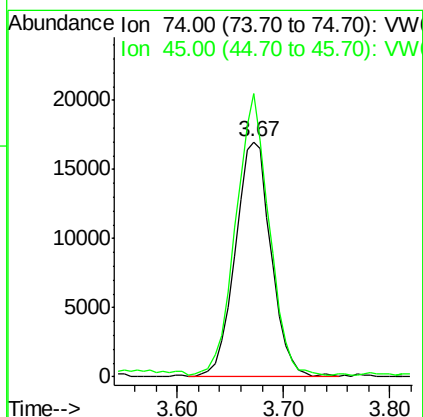
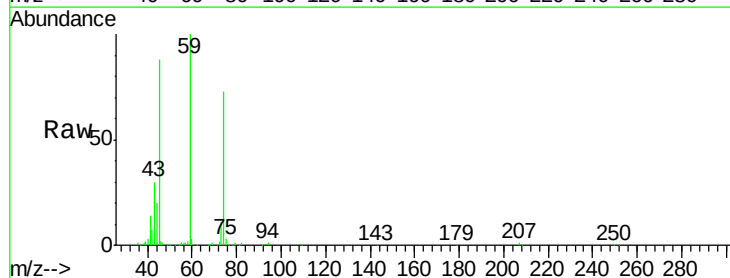
MMDadoda
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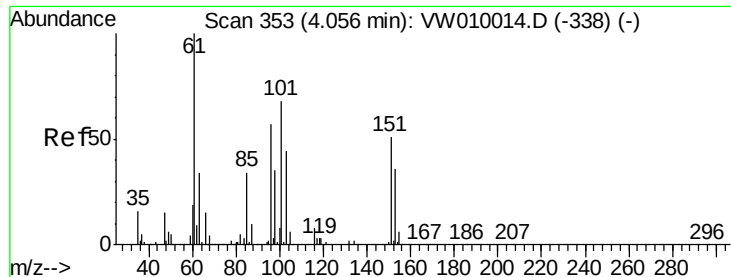


#8

Diethyl Ether
 Concen: 19.938 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW010021.D
 Acq: 17 Apr 2019 17:34

Tgt Ion	Ratio	Lower	Upper
74	100		
45	110.7	56.0	168.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.416 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW010021.D

Acq: 17 Apr 2019 17:34

Instrument :

MSVOA_W

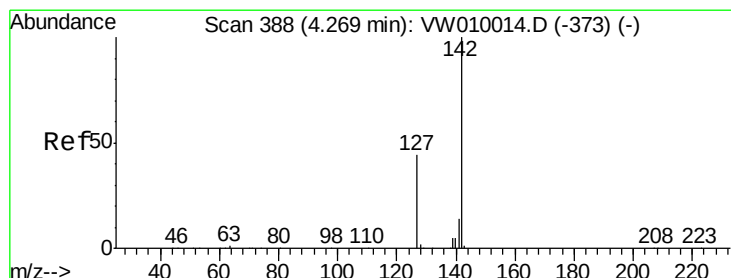
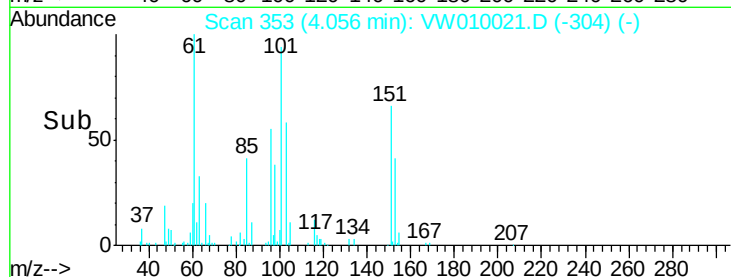
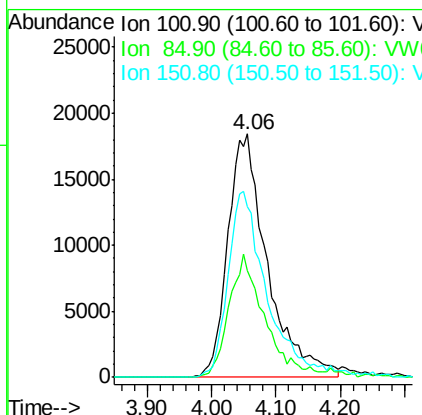
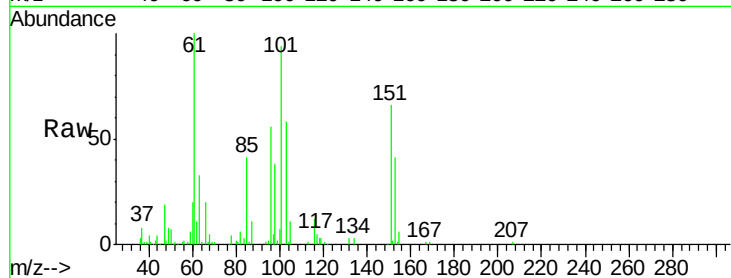
ClientSampleId :

VW0417SBS01

Tot Ion:	101	Resp:	79048
Ion Ratio	Lower	Upper	
101	100		
85	45.4	36.3	54.5
151	75.2	60.2	90.2

Manual Integrations
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4/18/2019 11:40:43 AM



#10

Methyl Iodide

Concen: 18.923 ug/l

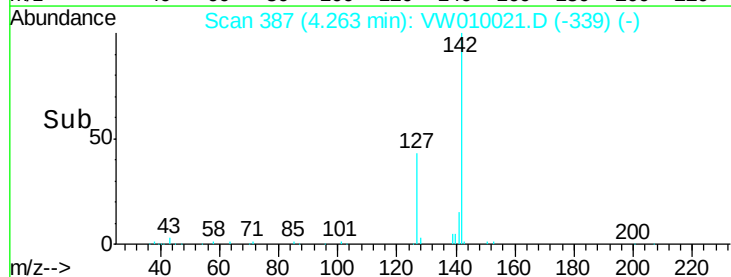
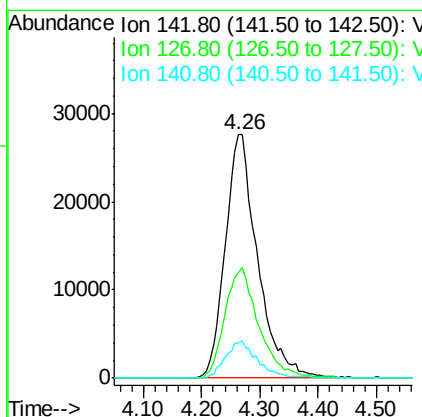
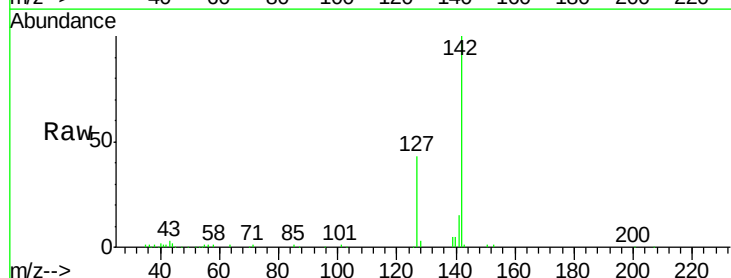
RT: 4.26 min Scan# 387

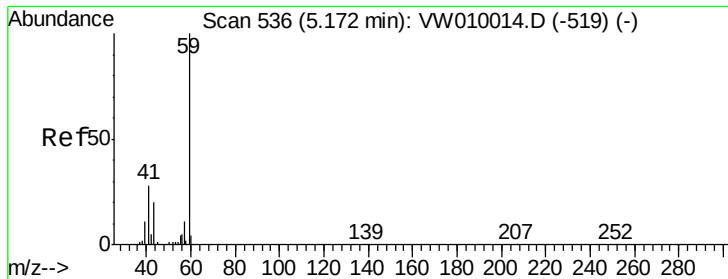
Delta R.T. -0.01 min

Lab File: VW010021.D

Acq: 17 Apr 2019 17:34

Tgt Ion:	142	Resp:	106463
Ion Ratio	Lower	Upper	
142	100		
127	47.3	38.1	57.1
141	15.0	12.2	18.2





#11

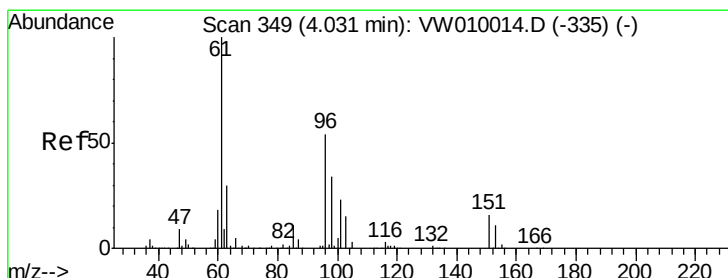
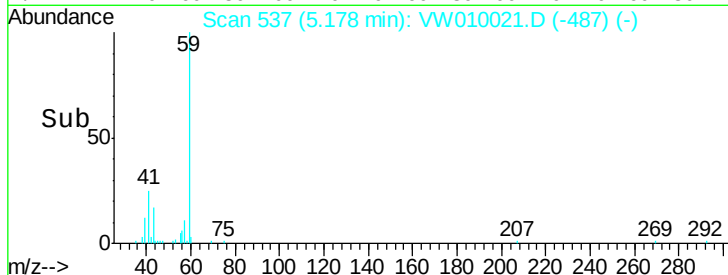
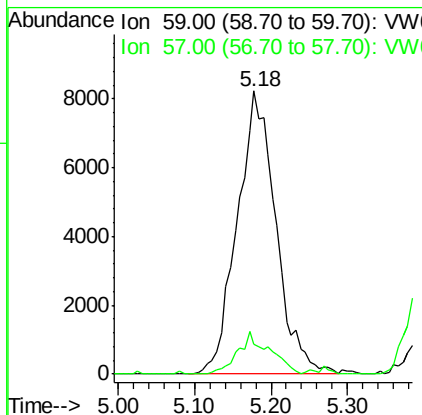
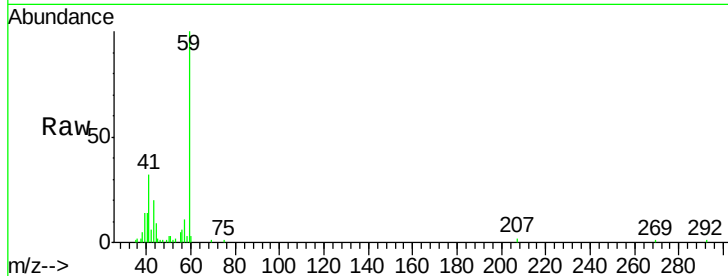
Tert butyl alcohol
 Concen: 104.110 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VW010021.D
 Acq: 17 Apr 2019 17:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0417SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.3	9.0	13.4

Manual Integrations
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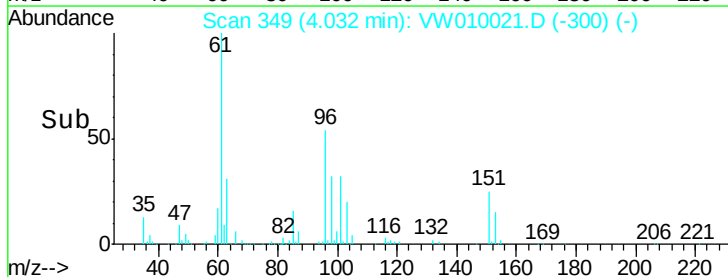
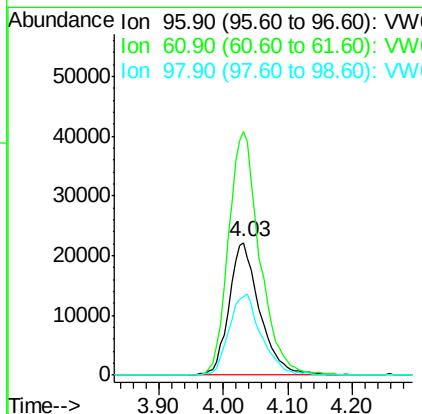
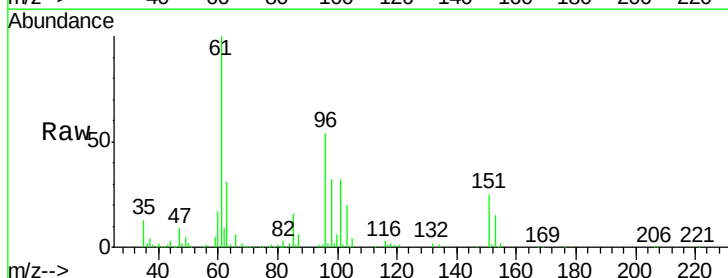
MMDadoda
 4/18/2019 11:40:43 AM

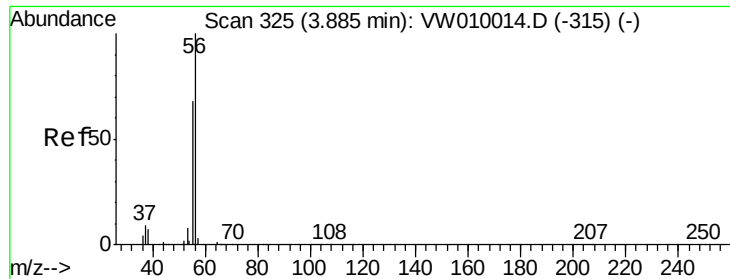


#12

1,1-Dichloroethene
 Concen: 18.916 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. 0.00 min
 Lab File: VW010021.D
 Acq: 17 Apr 2019 17:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	183.5	147.4	221.2
98	59.3	49.7	74.5





#13

Acrolein

Concen: 94.552 ug/l

RT: 3.88 min Scan# 324

Delta R.T. -0.01 min

Lab File: VW010021.D

Acq: 17 Apr 2019 17:34

Instrument :

MSVOA_W

ClientSampleId :

VW0417SBS01

Tot Ion: 56 Resp: 27606

Ion Ratio Lower Upper

56 100

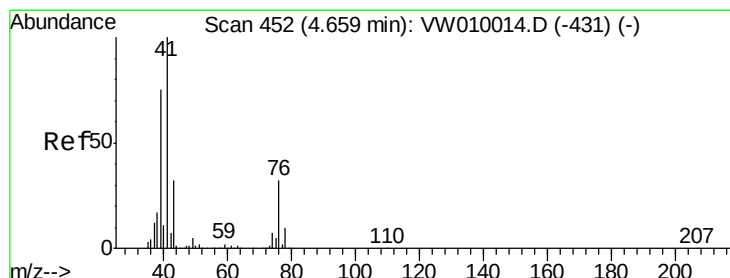
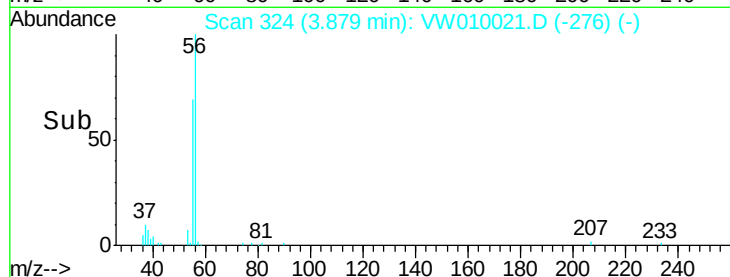
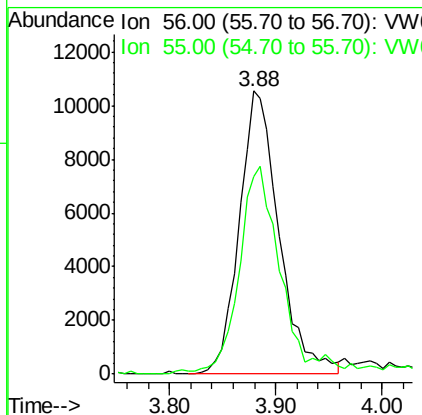
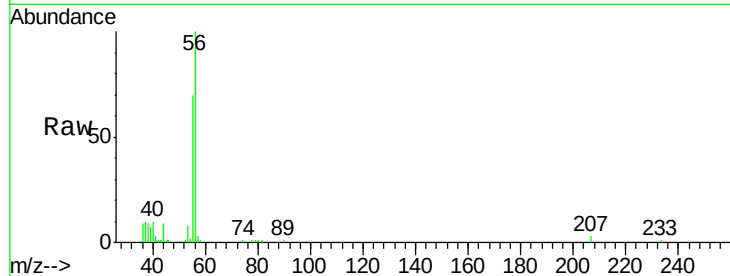
55 70.9 54.2 81.2

Manual Integrations

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#14

Allyl chloride

Concen: 17.904 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW010021.D

Acq: 17 Apr 2019 17:34

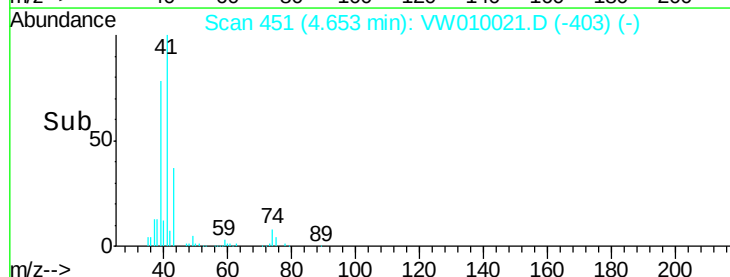
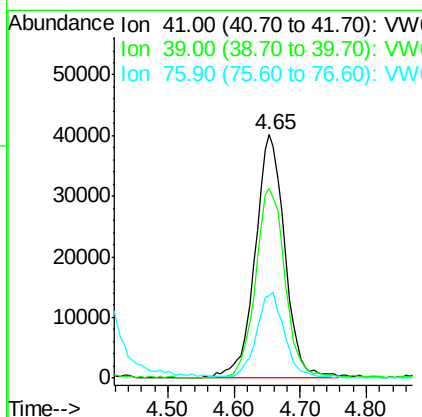
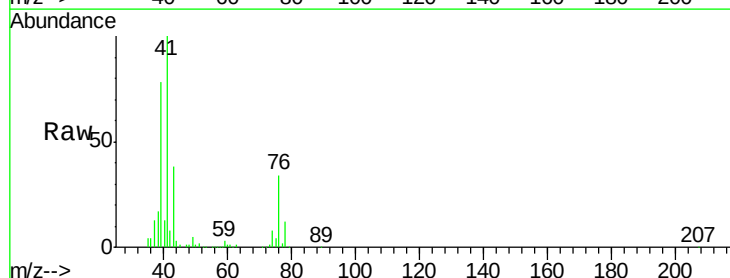
Tgt Ion: 41 Resp: 124237

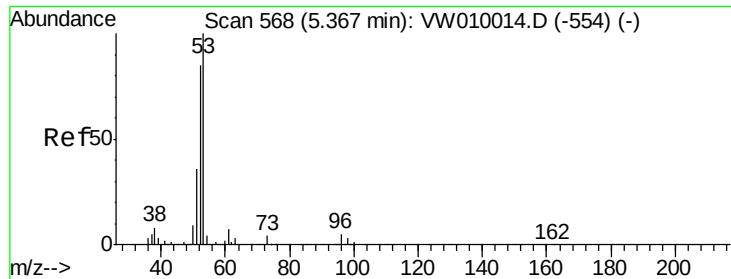
Ion Ratio Lower Upper

41 100

39 77.5 60.2 90.4

76 32.0 25.0 37.6





#15

Acrylonitrile

Concen: 104.720 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW010021.D

Acq: 17 Apr 2019 17:34

Instrument :

MSVOA_W

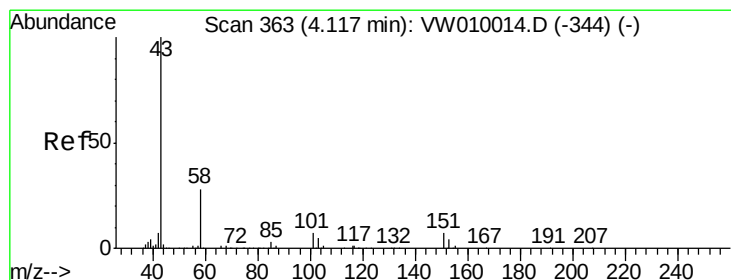
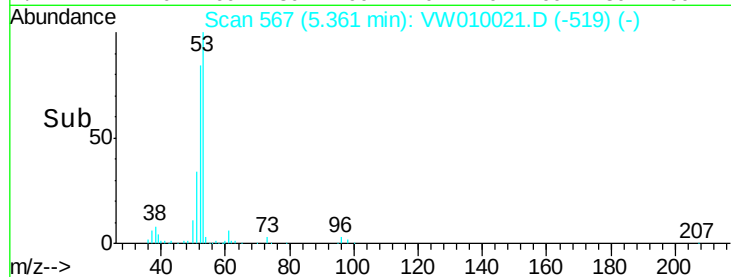
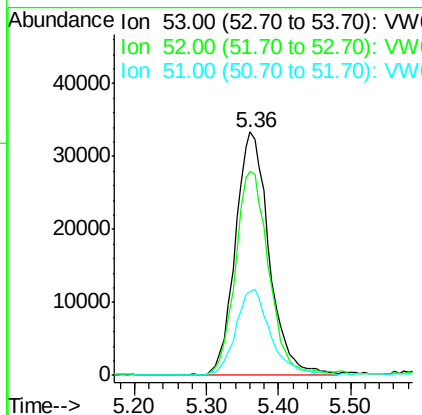
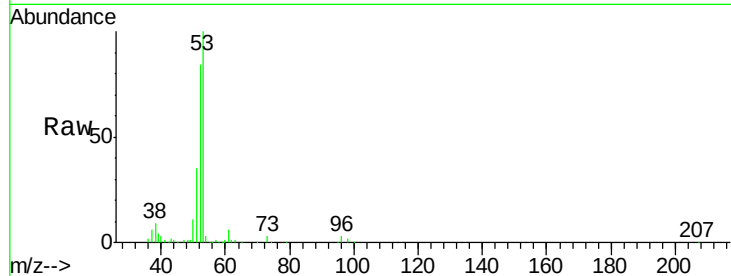
ClientSampleId :

VW0417SBS01

Tot Ion:	53	Resp:	108461
Ion Ratio	Lower	Upper	
53	100		
52	82.0	66.6	100.0
51	36.6	30.3	45.5

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#16

Acetone

Concen: 95.834 ug/l

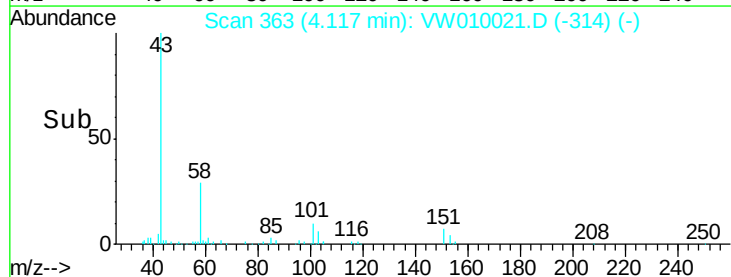
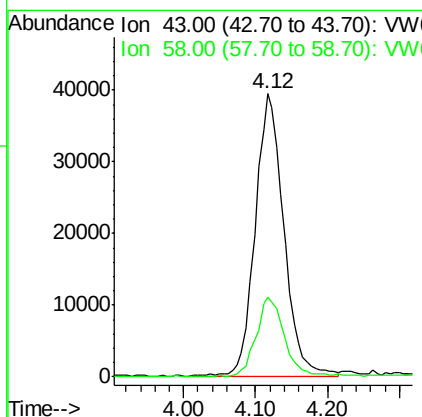
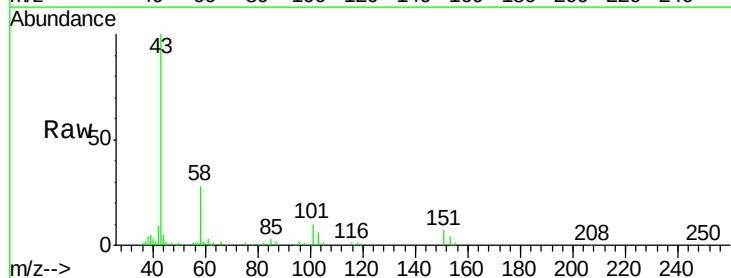
RT: 4.12 min Scan# 363

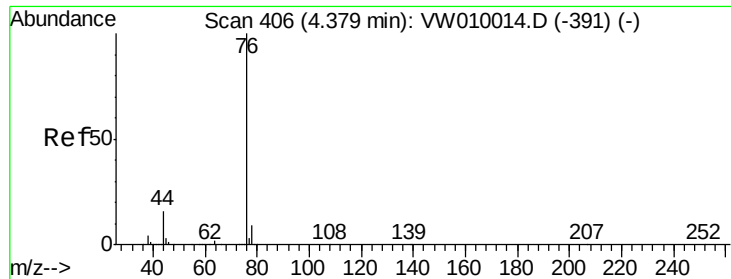
Delta R.T. 0.00 min

Lab File: VW010021.D

Acq: 17 Apr 2019 17:34

Tgt Ion:	43	Resp:	108336
Ion Ratio	Lower	Upper	
43	100		
58	28.5	22.7	34.1





#17

Carbon Disulfide

Concen: 17.706 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW010021.D

Acq: 17 Apr 2019 17:34

Instrument :

MSVOA_W

ClientSampleId :

VW0417SBS01

Tot Ion: 76 Resp: 197741

Ion Ratio Lower Upper

76 100

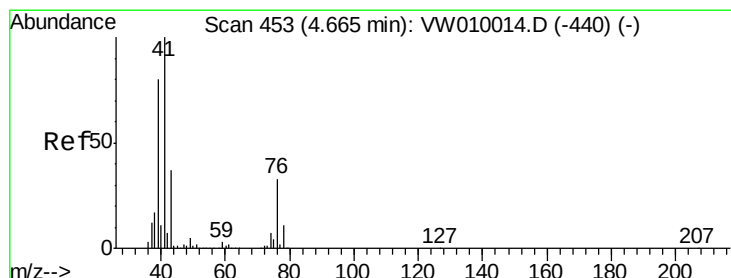
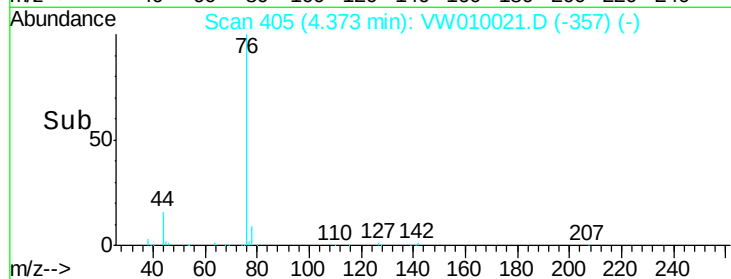
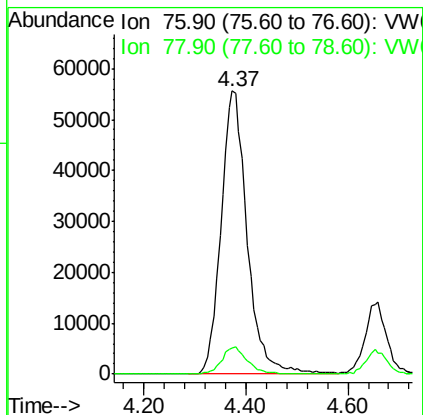
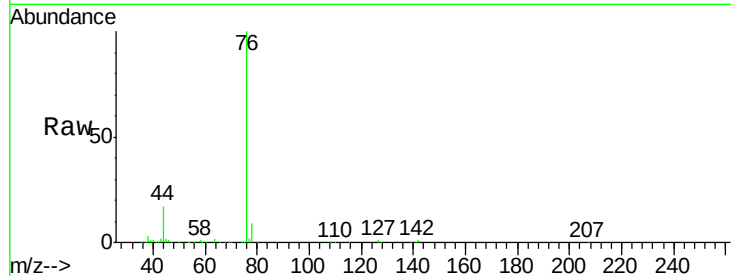
78 9.4 7.4 11.2

Manual Integrations

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#18

Methyl Acetate

Concen: 20.222 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW010021.D

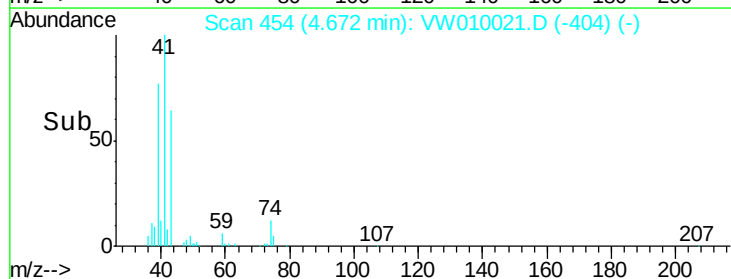
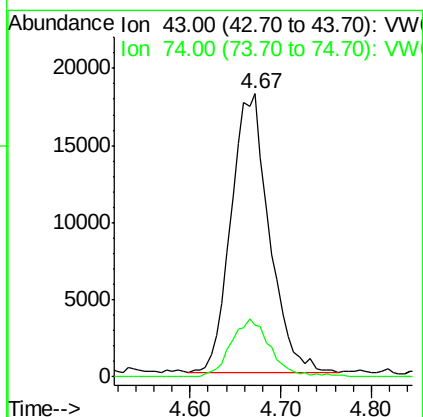
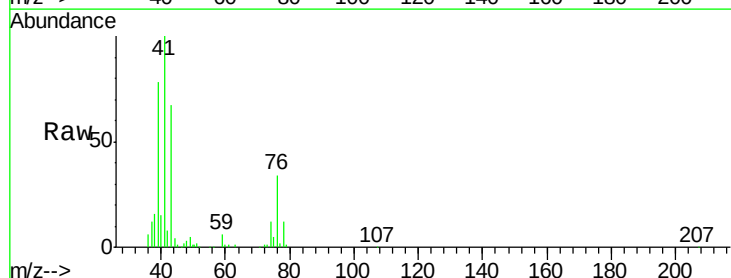
Acq: 17 Apr 2019 17:34

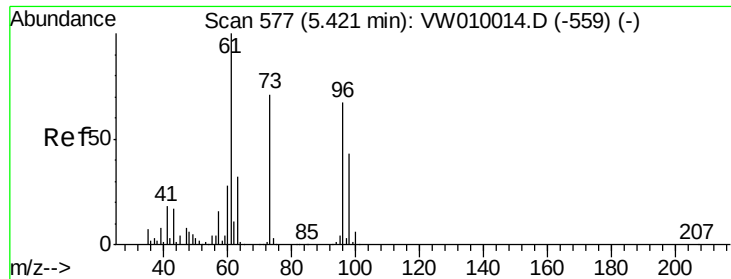
Tgt Ion: 43 Resp: 52907

Ion Ratio Lower Upper

43 100

74 20.9 16.8 25.2





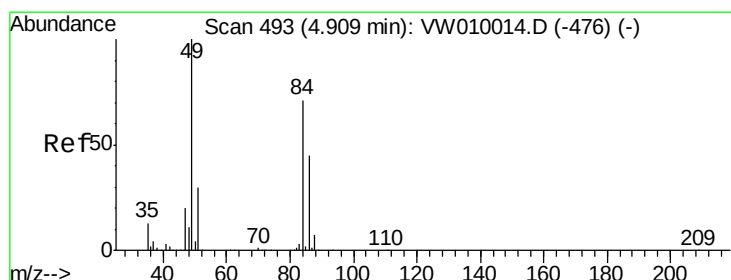
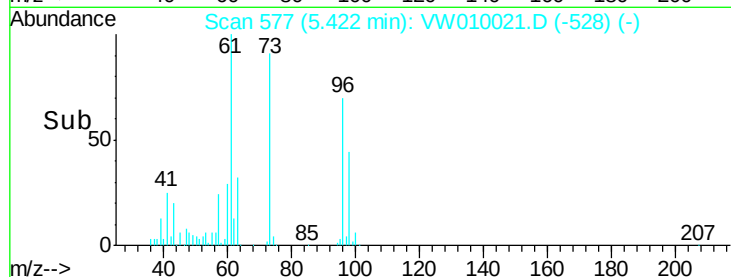
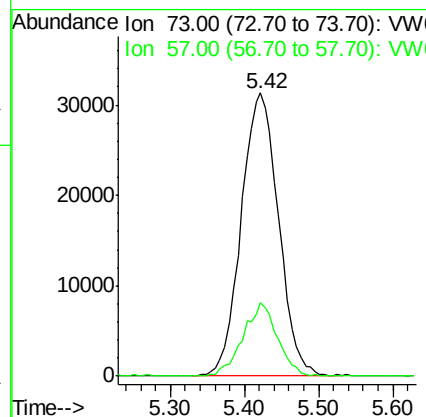
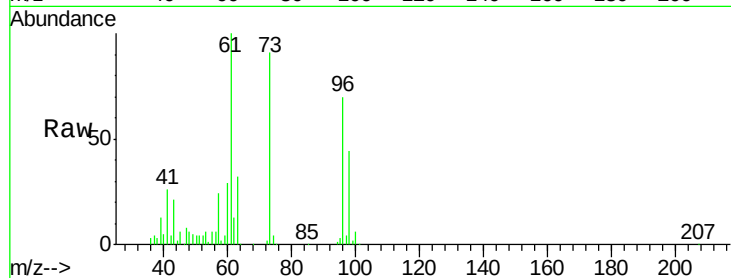
#19
Methyl tert-butyl Ether
Concen: 21.686 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW010021.D
Acq: 17 Apr 2019 17:34

Instrument :
MSVOA_W
ClientSampleId :
VW0417SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	26.1	18.5	27.7

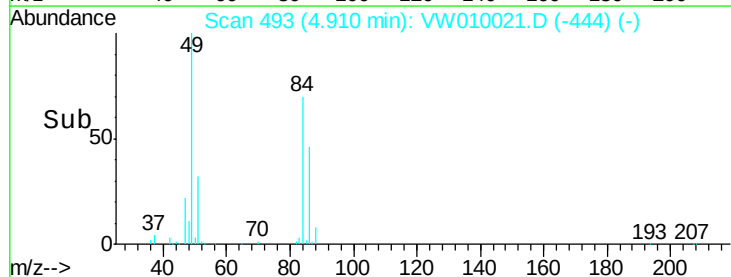
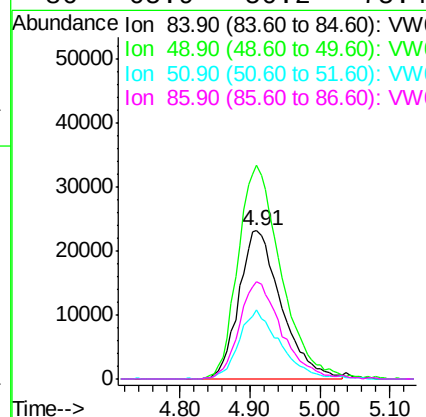
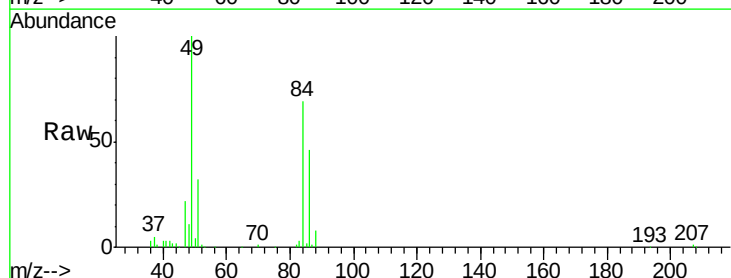
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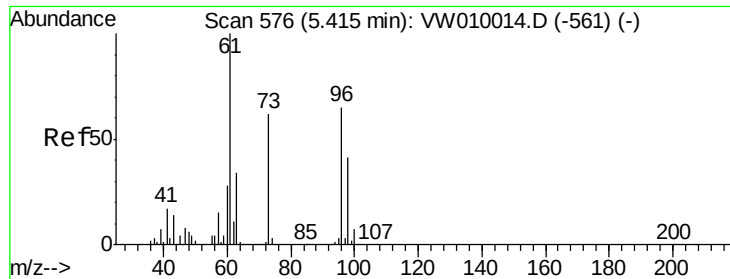
MMDadoda
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#20
Methylene Chloride
Concen: 19.643 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW010021.D
Acq: 17 Apr 2019 17:34

Tgt Ion	Ratio	Lower	Upper
84	100		
49	144.4	112.3	168.5
51	46.1	33.9	50.9
86	65.9	50.2	75.4





#21

trans-1,2-Dichloroethene

Concen: 19.412 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW010021.D

Acq: 17 Apr 2019 17:34

Instrument :

MSVOA_W

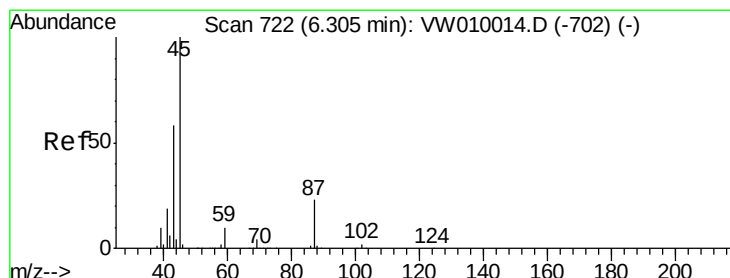
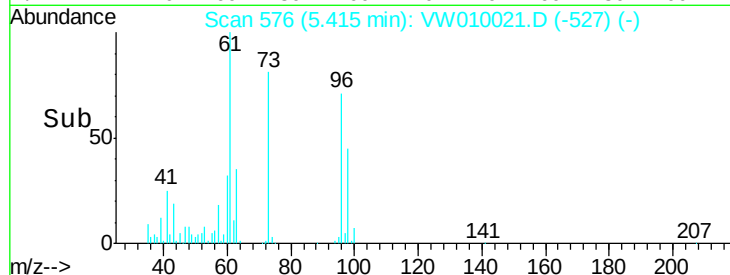
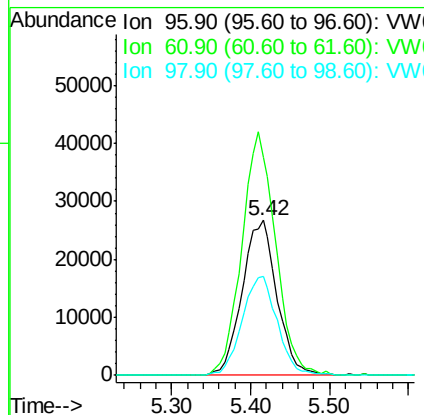
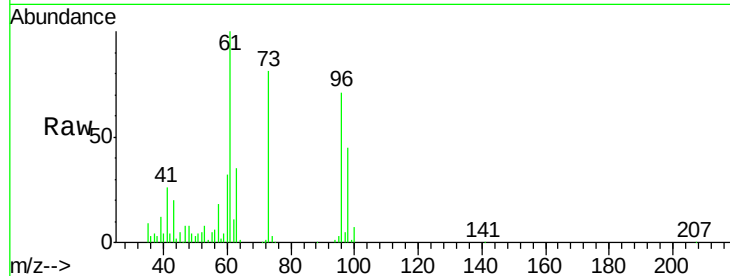
ClientSampled :

VW0417SBS01

Tot Ion:	96	Resp:	82046
Ion	Ratio	Lower	Upper
96	100		
61	140.9	122.3	183.5
98	63.5	50.5	75.7

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#22

Diisopropyl ether

Concen: 20.558 ug/l

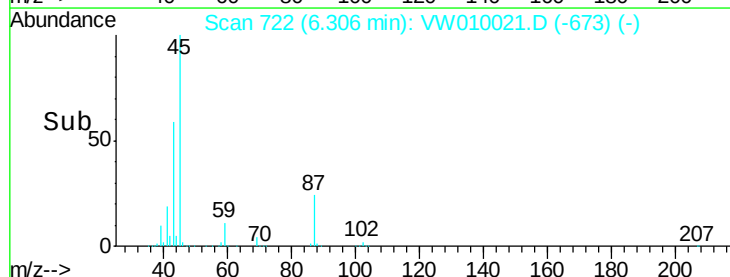
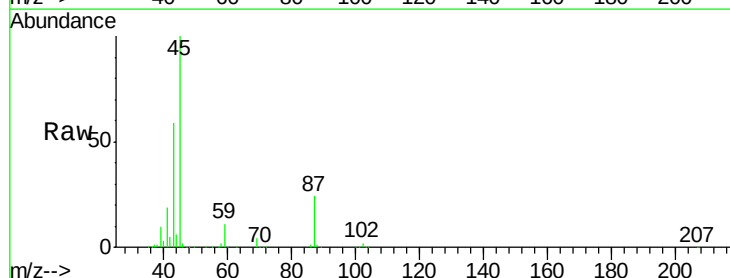
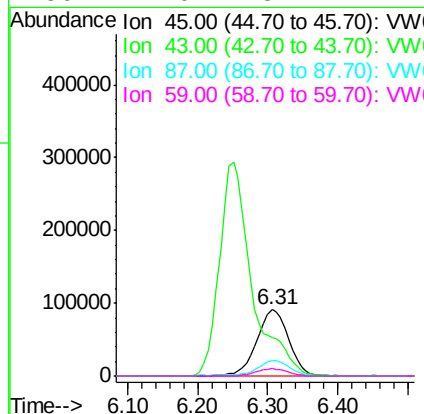
RT: 6.31 min Scan# 722

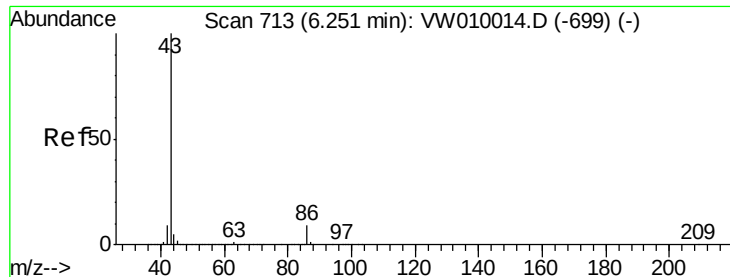
Delta R.T. 0.00 min

Lab File: VW010021.D

Acq: 17 Apr 2019 17:34

Tgt Ion:	45	Resp:	289368
Ion	Ratio	Lower	Upper
45	100		
43	58.4	46.1	69.1
87	23.7	18.3	27.5
59	11.0	8.2	12.4





#23

Vinyl Acetate

Concen: 107.350 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW010021.D

Acq: 17 Apr 2019 17:34

Instrument :

MSVOA_W

ClientSampleId :

VW0417SBS01

Tot Ion: 43 Resp: 951191

Ion Ratio Lower Upper

43 100

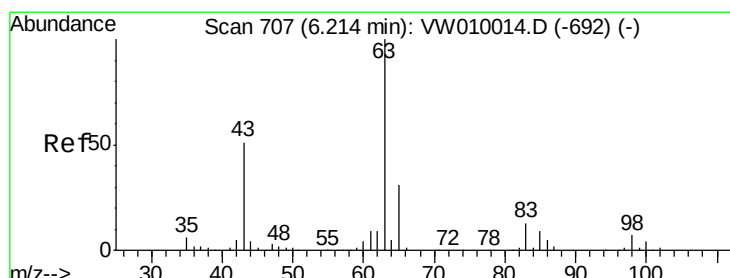
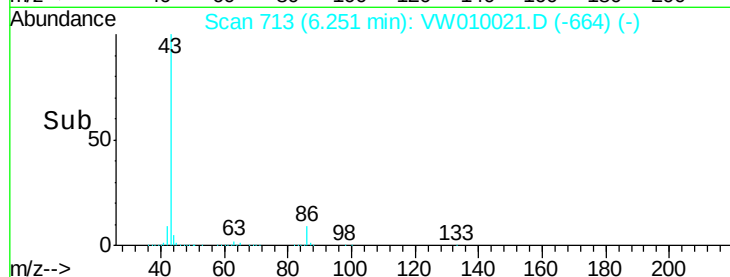
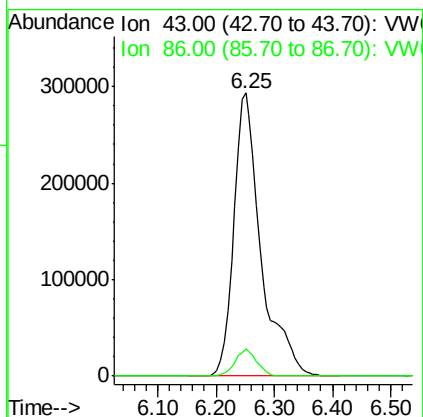
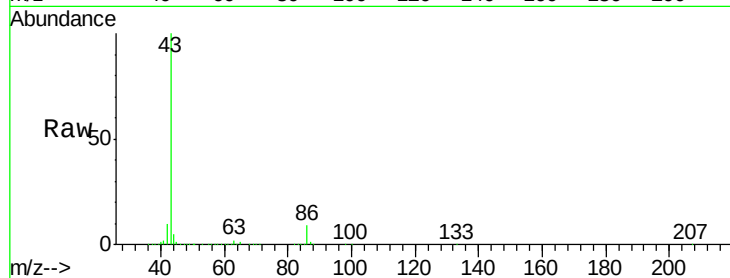
86 9.5 7.0 10.6

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#24

1,1-Dichloroethane

Concen: 19.901 ug/l

RT: 6.20 min Scan# 705

Delta R.T. -0.01 min

Lab File: VW010021.D

Acq: 17 Apr 2019 17:34

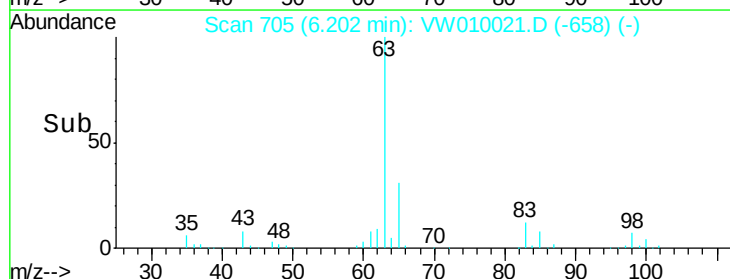
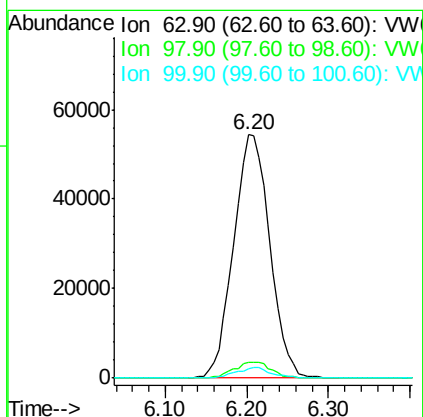
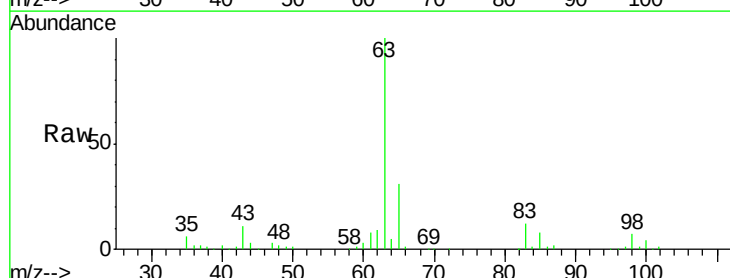
Tgt Ion: 63 Resp: 167455

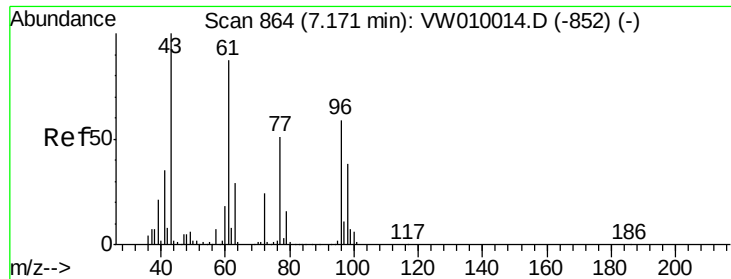
Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.8

100 3.7 2.0 6.0





#25

2-Butanone

Concen: 108.993 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW010021.D

Acq: 17 Apr 2019 17:34

Instrument :

MSVOA_W

ClientSampleId :

VW0417SBS01

Tot Ion: 43 Resp: 161852

Ion Ratio Lower Upper

43 100

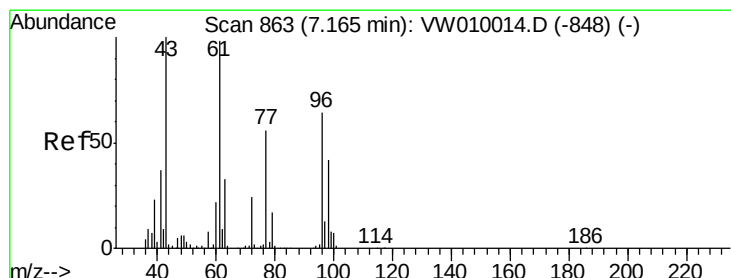
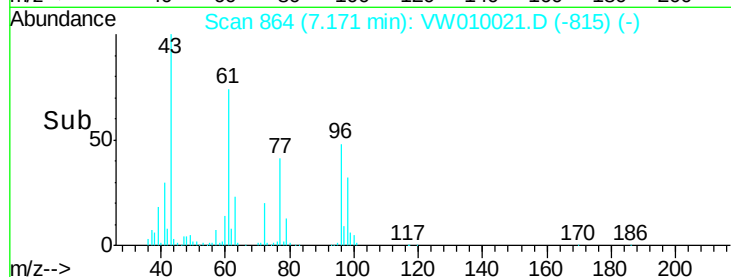
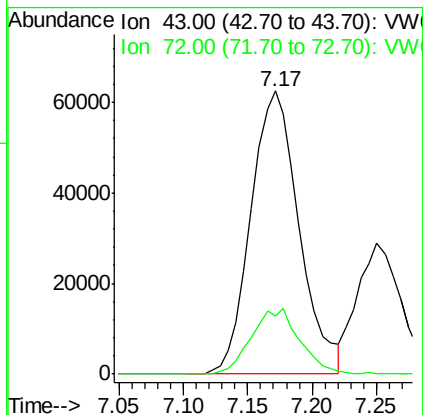
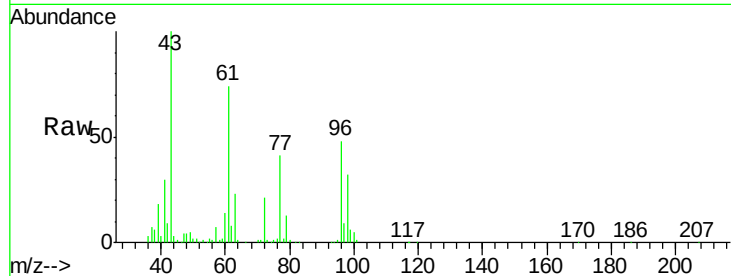
72 20.6 19.1 28.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.352 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW010021.D

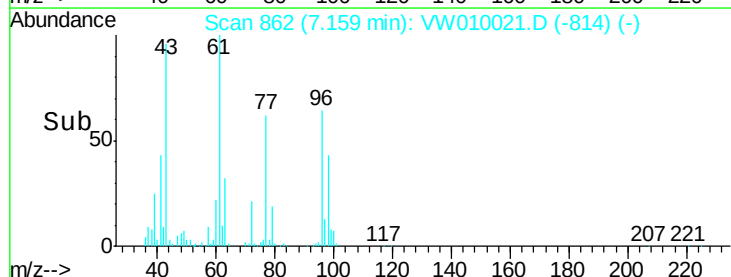
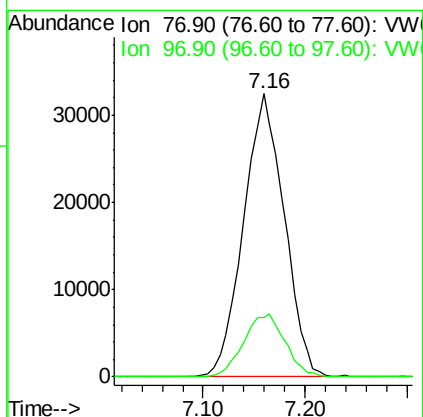
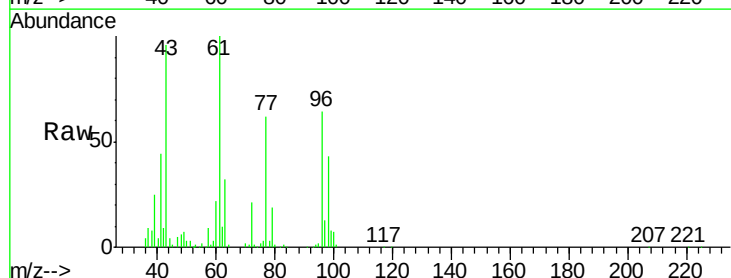
Acq: 17 Apr 2019 17:34

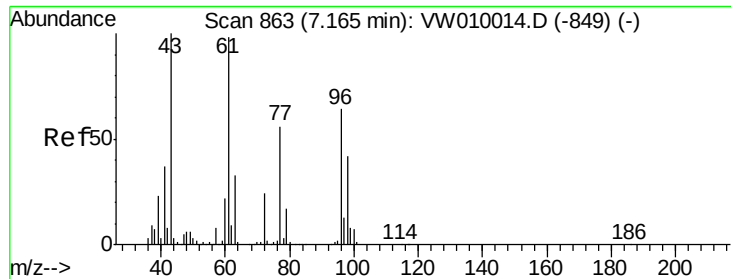
Tgt Ion: 77 Resp: 90087

Ion Ratio Lower Upper

77 100

97 22.8 11.3 33.9





#27

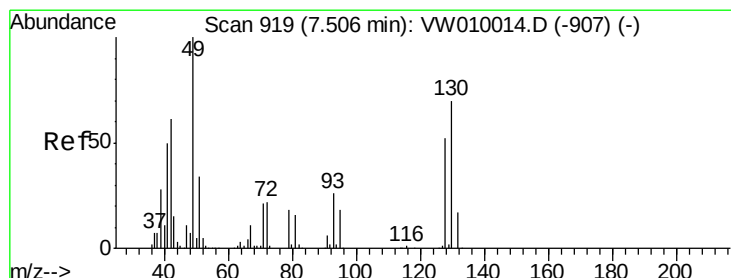
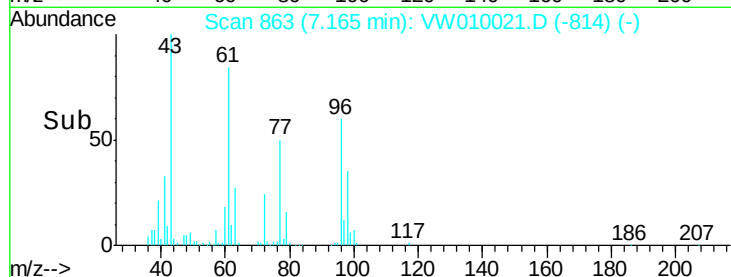
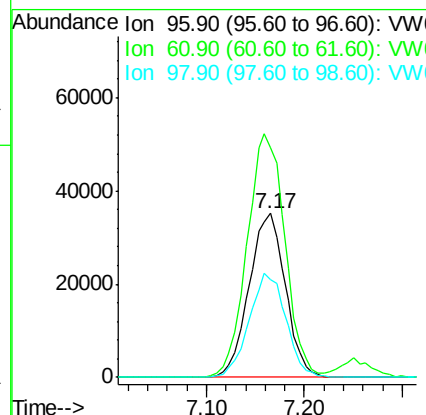
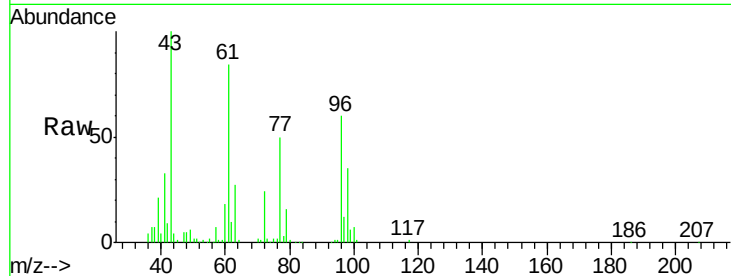
cis-1,2-Dichloroethene
Concen: 19.592 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW010021.D
Acq: 17 Apr 2019 17:34

Instrument :
MSVOA_W
ClientSampleId :
VW0417SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.8	0.0	309.4
98	64.3	0.0	128.6

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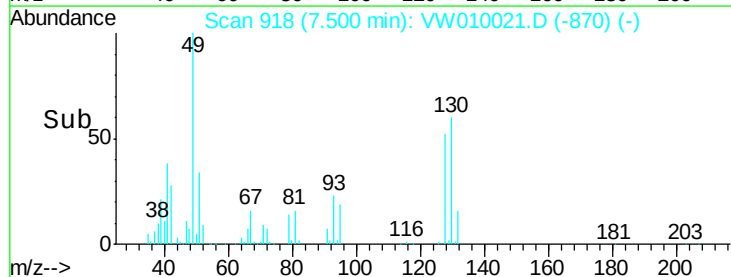
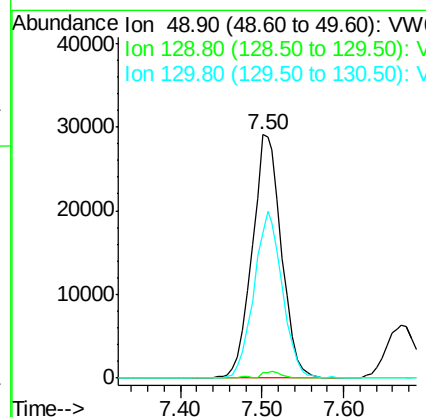
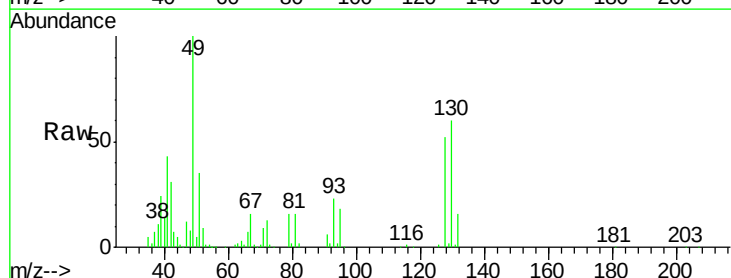
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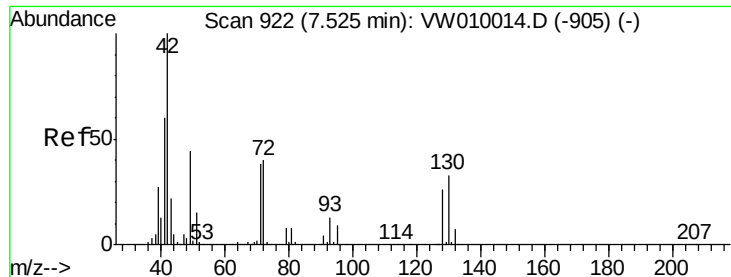


#28

Bromochloromethane
Concen: 21.081 ug/l
RT: 7.50 min Scan# 918
Delta R.T. -0.01 min
Lab File: VW010021.D
Acq: 17 Apr 2019 17:34

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.8
130	66.4	54.6	82.0





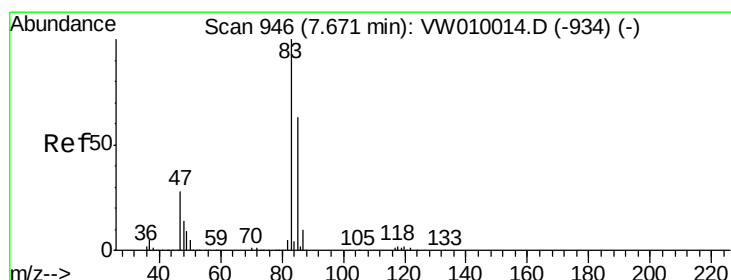
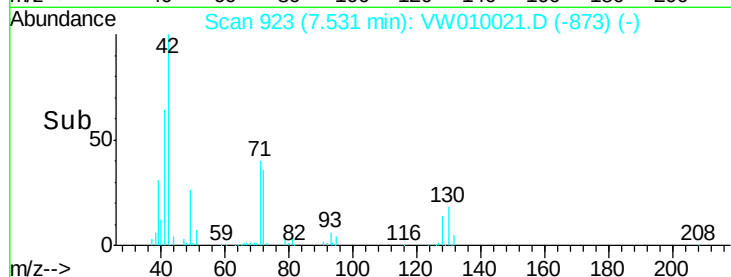
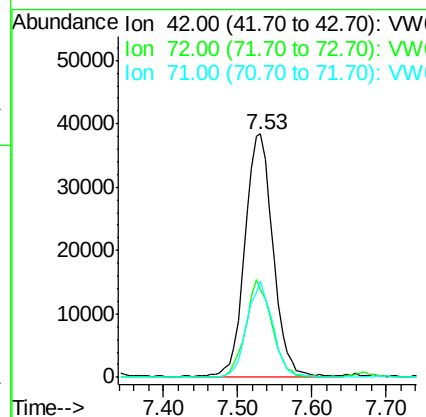
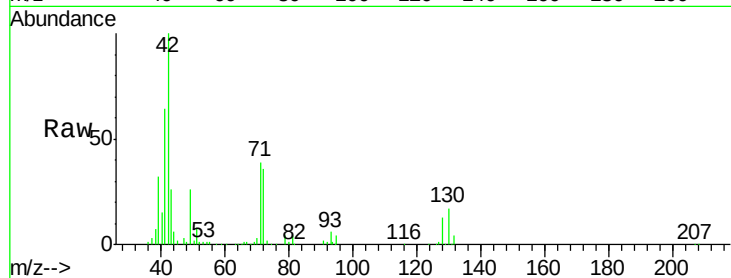
#29
Tetrahydrofuran
Concen: 108.415 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW010021.D
Acq: 17 Apr 2019 17:34

Instrument :
MSVOA_W
ClientSampleId :
VW0417SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.1	31.0	46.6
71	36.3	29.7	44.5

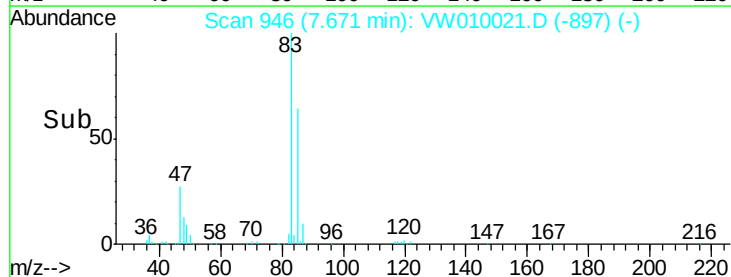
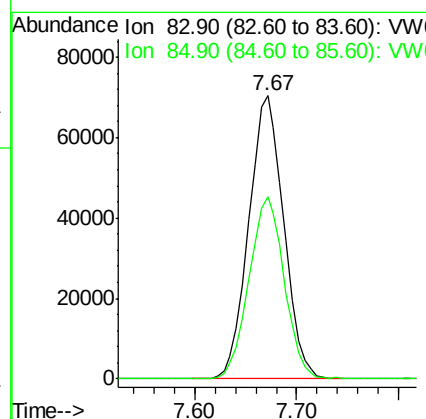
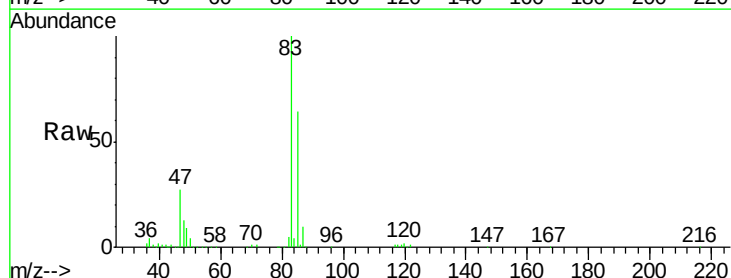
Manual Integrations
APPROVED

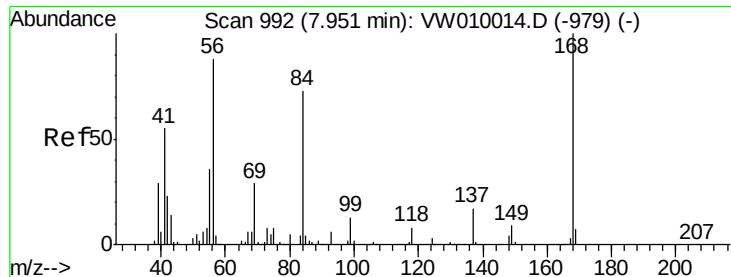
MMDadoda
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#30
Chloroform
Concen: 19.896 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW010021.D
Acq: 17 Apr 2019 17:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	50.7	76.1





#31

Cyclohexane

Concen: 19.450 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010021.D

Acq: 17 Apr 2019 17:34

Instrument :

MSVOA_W

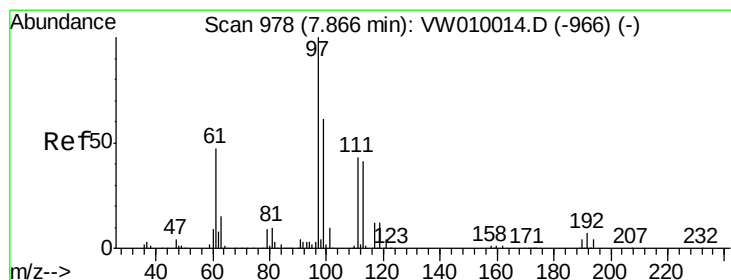
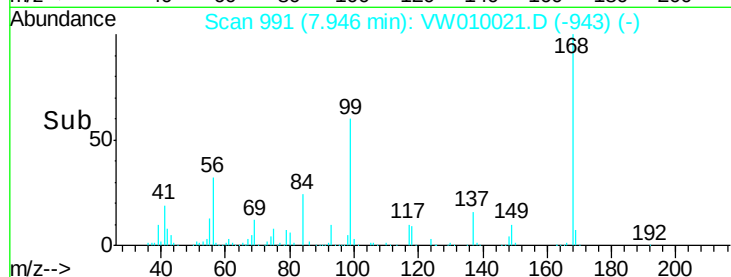
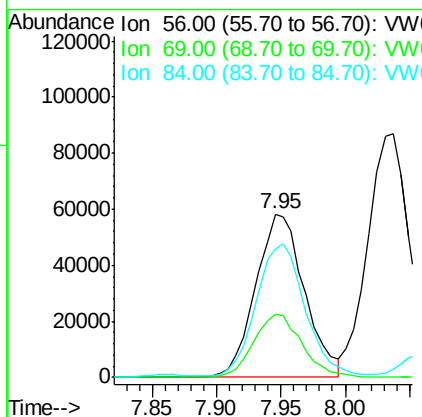
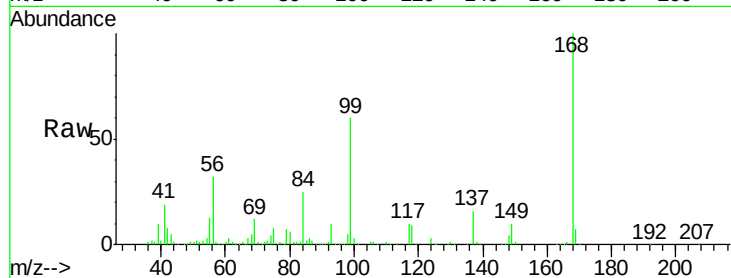
ClientSampled :

VW0417SBS01

Tot Ion:	56	Resp:	153251
Ion Ratio	Lower	Upper	
56	100		
69	38.8	26.6	40.0
84	77.6	66.2	99.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.566 ug/l

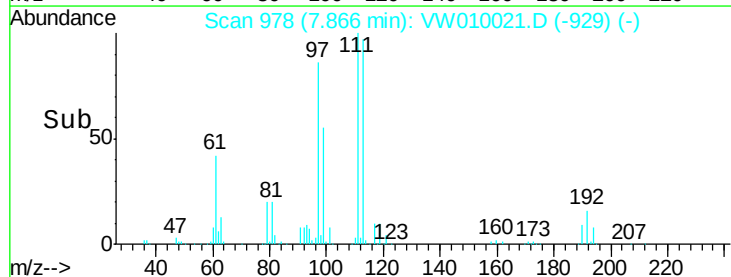
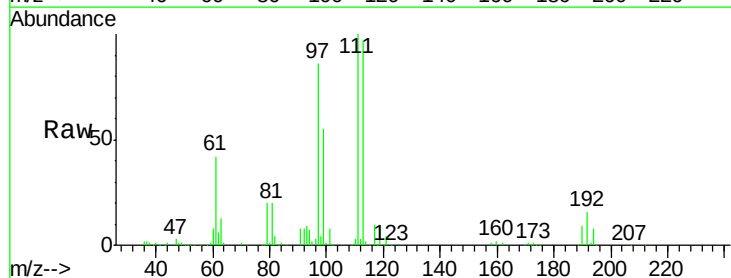
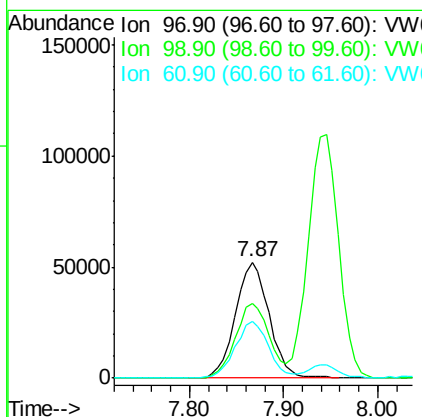
RT: 7.87 min Scan# 978

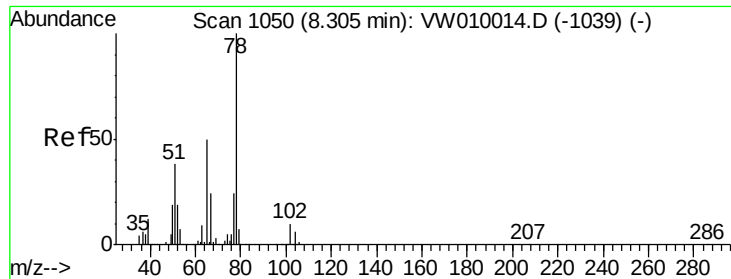
Delta R.T. 0.00 min

Lab File: VW010021.D

Acq: 17 Apr 2019 17:34

Tgt Ion:	97	Resp:	129507
Ion Ratio	Lower	Upper	
97	100		
99	65.4	50.2	75.2
61	48.5	38.2	57.2





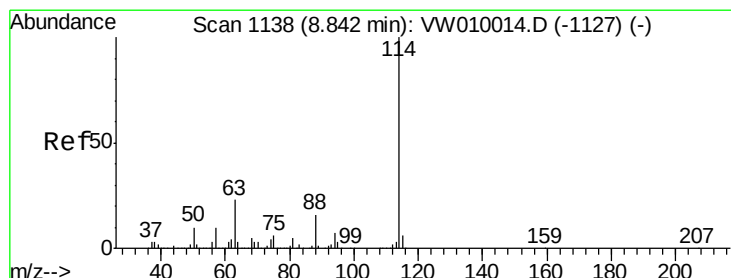
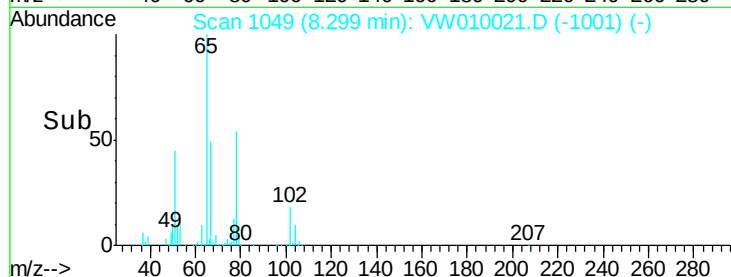
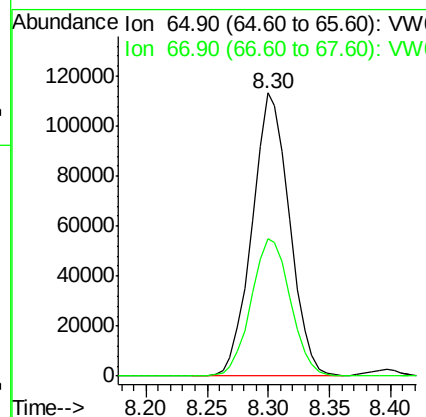
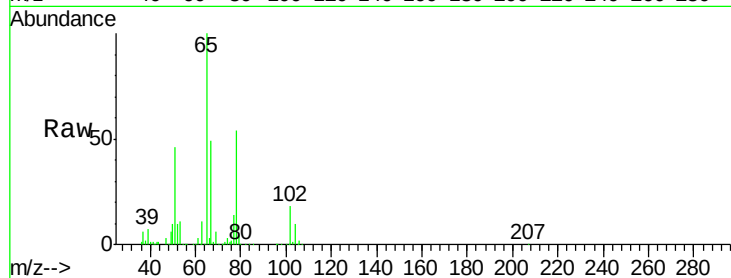
#33
 1,2-Dichloroethane-d4
 Concen: 49.511 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW010021.D
 Acq: 17 Apr 2019 17:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0417SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	241229		
67	51.1	0.0	100.8	

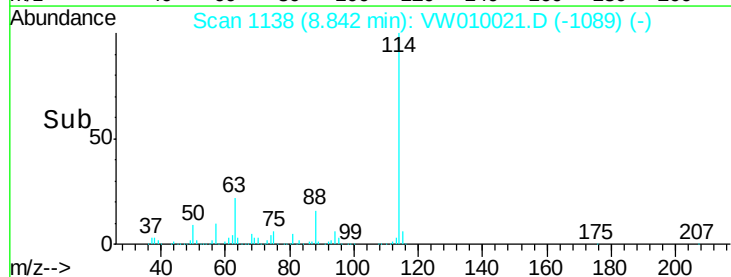
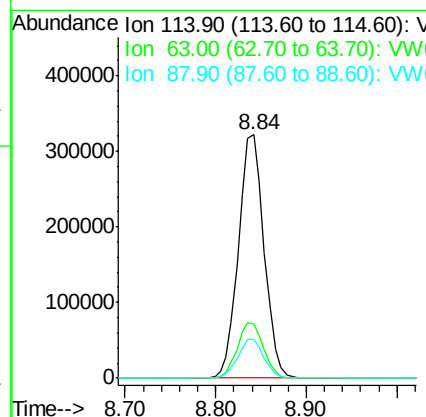
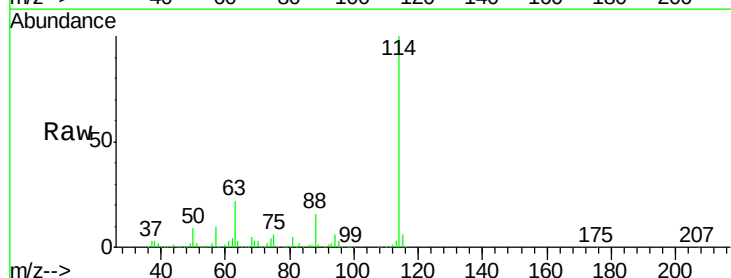
Manual Integrations
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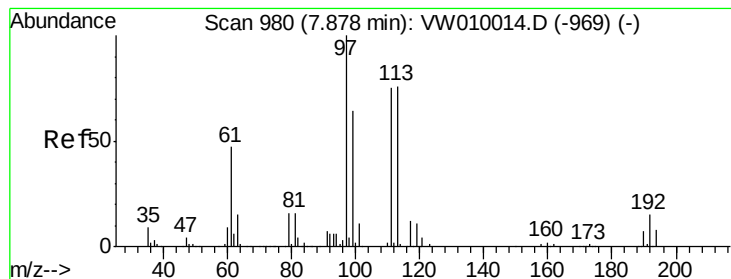
MMDadoda
 4/18/2019 11:40:43 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW010021.D
 Acq: 17 Apr 2019 17:34

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	629037		
63	22.3	0.0	46.2	
88	15.7	0.0	32.6	





#35

Dibromofluoromethane

Concen: 48.713 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW010021.D

Acq: 17 Apr 2019 17:34

Instrument :

MSVOA_W

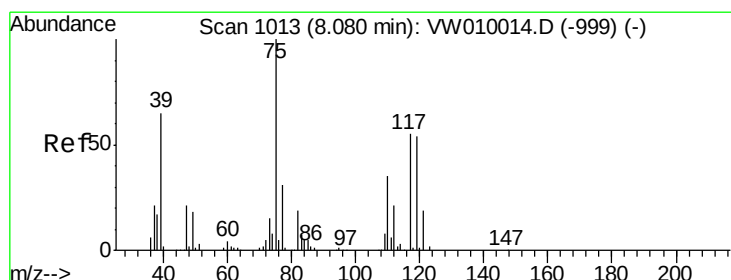
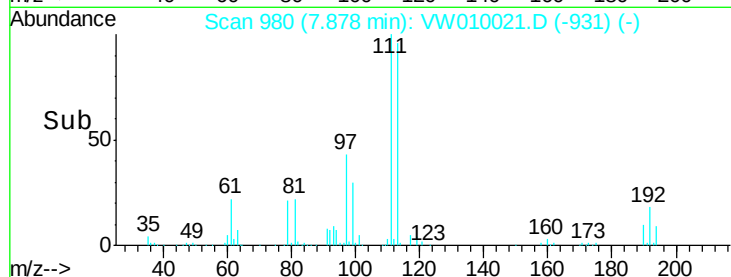
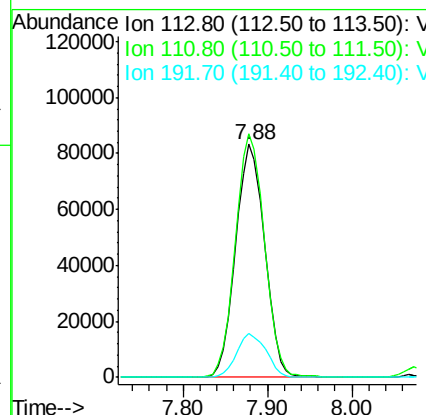
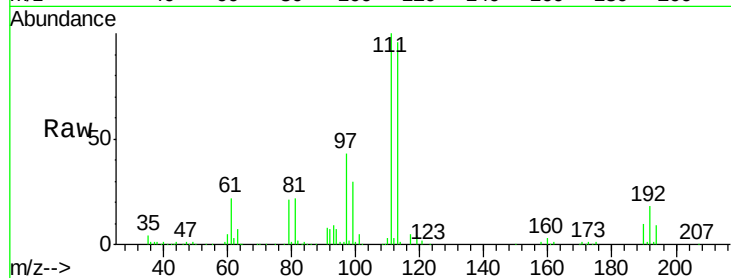
ClientSampleId :

VW0417SBS01

Tot Ion:	113	Resp:	194811
Ion Ratio	Lower	Upper	
113	100		
111	104.1	82.6	123.8
192	19.1	15.4	23.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 20.429 ug/l

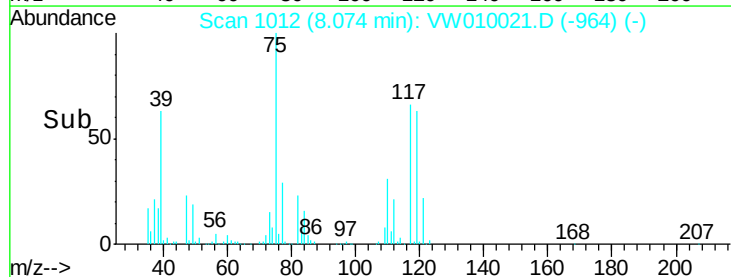
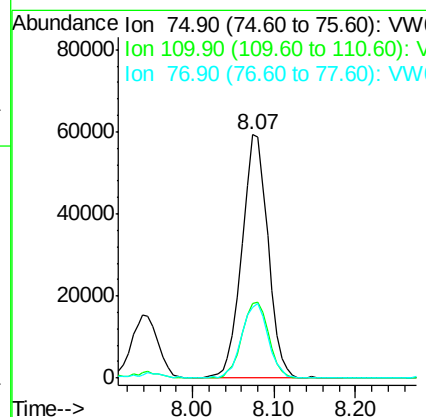
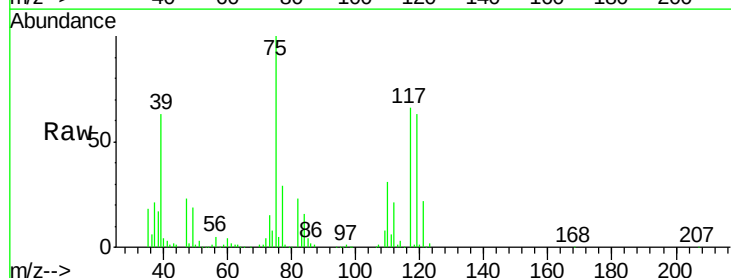
RT: 8.07 min Scan# 1012

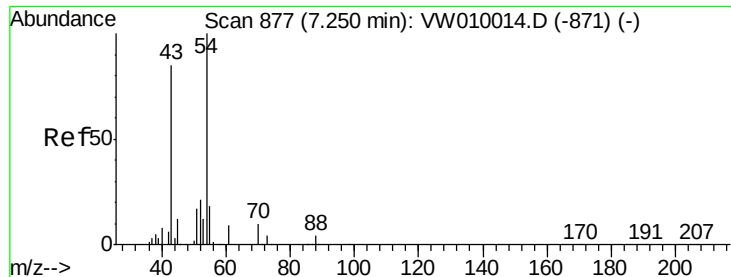
Delta R.T. -0.01 min

Lab File: VW010021.D

Acq: 17 Apr 2019 17:34

Tgt Ion:	75	Resp:	131268
Ion Ratio	Lower	Upper	
75	100		
110	32.0	16.6	49.8
77	31.3	24.8	37.2





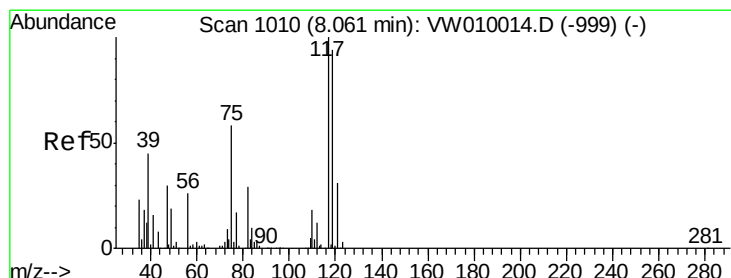
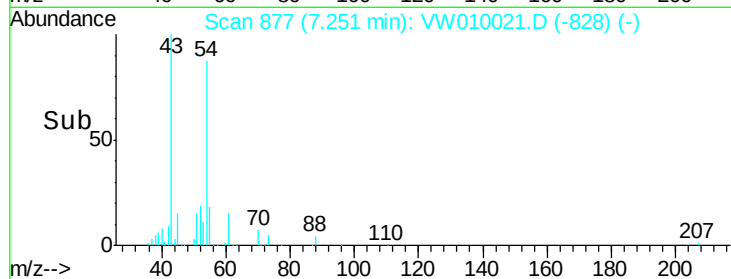
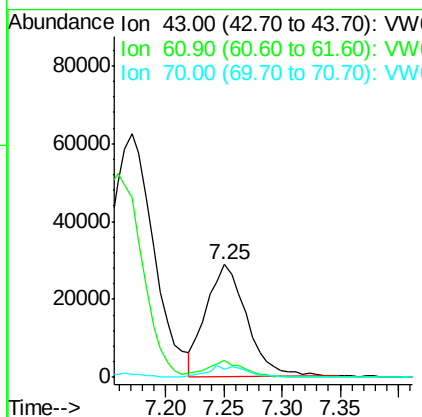
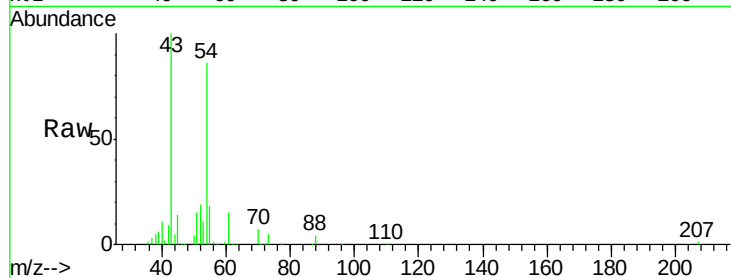
#37
Ethyl Acetate
Concen: 21.047 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW010021.D
Acq: 17 Apr 2019 17:34

Instrument :
MSVOA_W
ClientSampleId :
VW0417SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	9.8	14.8
70	9.8	7.4	11.0

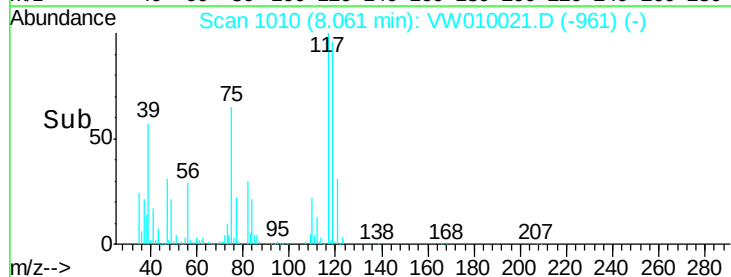
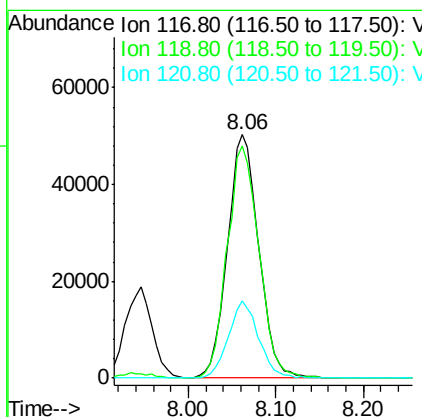
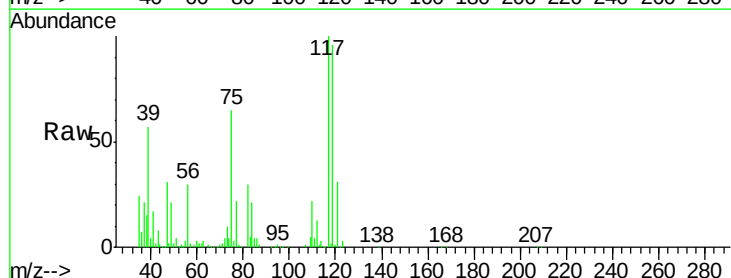
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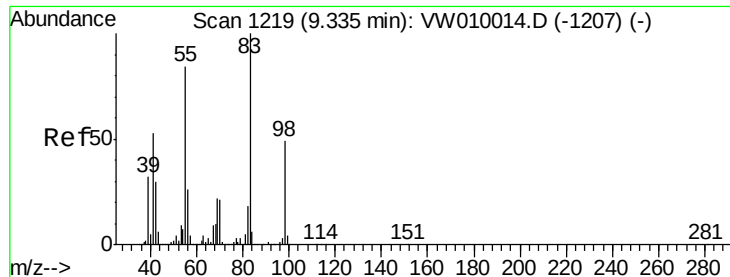
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.942 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VW010021.D
Acq: 17 Apr 2019 17:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	75.3	112.9
121	31.5	24.4	36.6





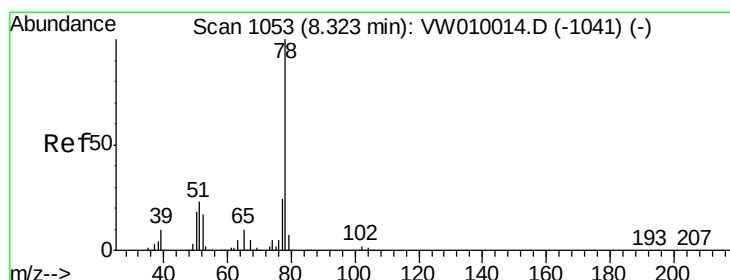
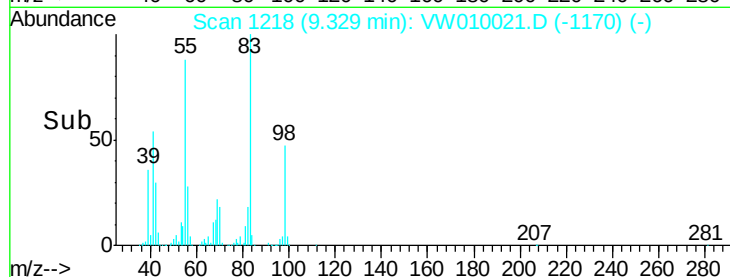
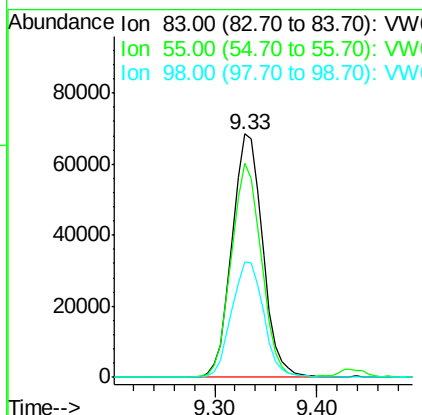
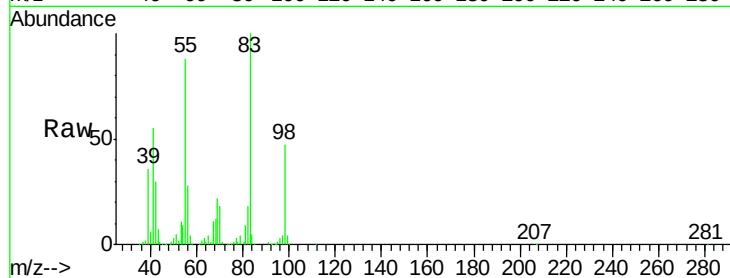
#39
Methylvlcyclohexane
Concen: 19.024 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW010021.D
Acq: 17 Apr 2019 17:34

Instrument :
MSVOA_W
ClientSampleId :
VW0417SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.7	67.1	100.7
98	47.5	39.2	58.8

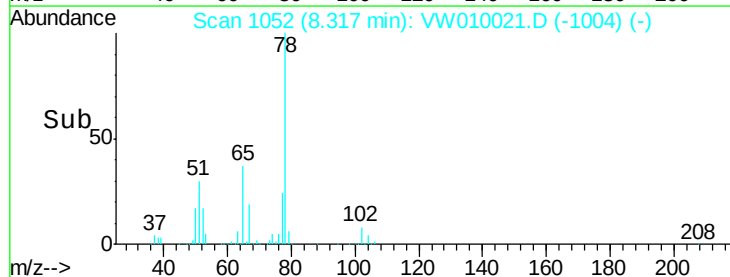
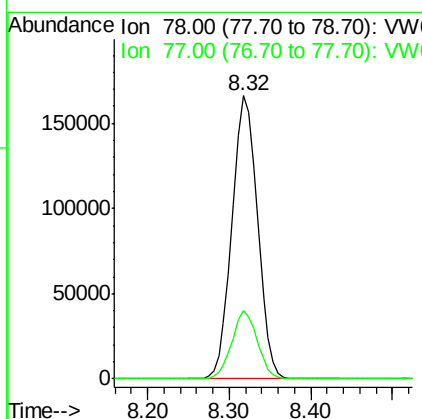
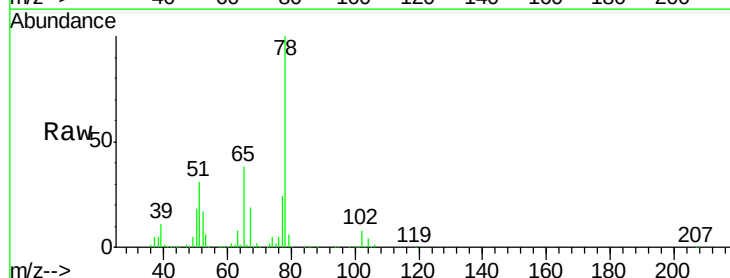
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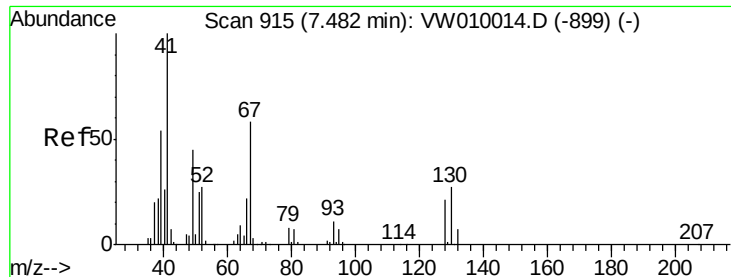
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#40
Benzene
Concen: 20.421 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW010021.D
Acq: 17 Apr 2019 17:34

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.1	28.7





#41

Methacrylonitrile

Concen: 21.851 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW010021.D

Acq: 17 Apr 2019 17:34

Instrument :

MSVOA_W

ClientSampleId :

VW0417SBS01

Tot Ion: 41 Resp: 40662

Ion Ratio Lower Upper

41 100

39 57.8 45.0 67.4

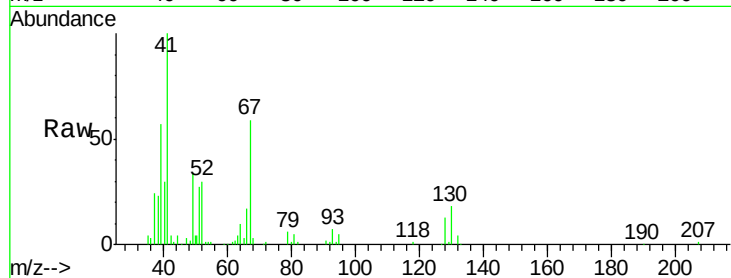
67 63.3 50.7 76.1

52 31.6 22.6 33.8

Manual Integrations
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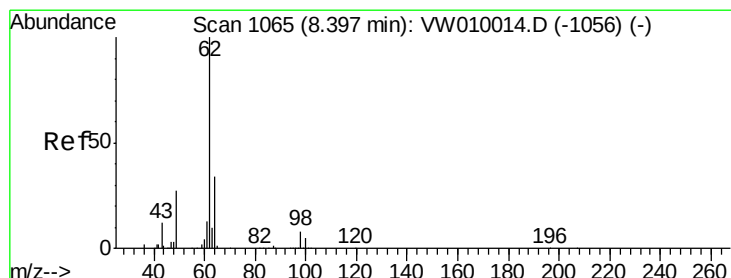
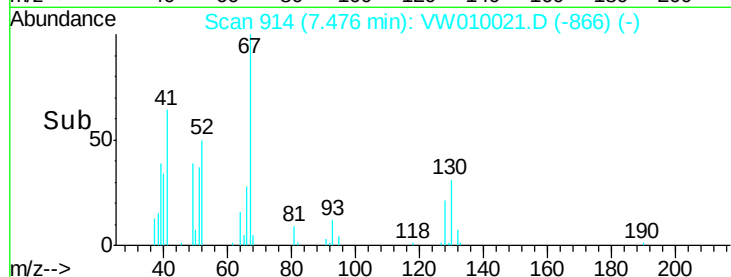
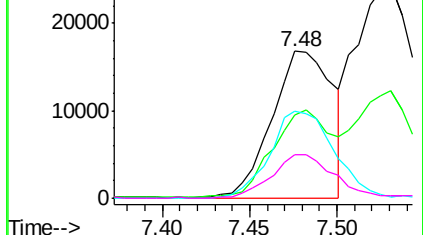


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 20.589 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW010021.D

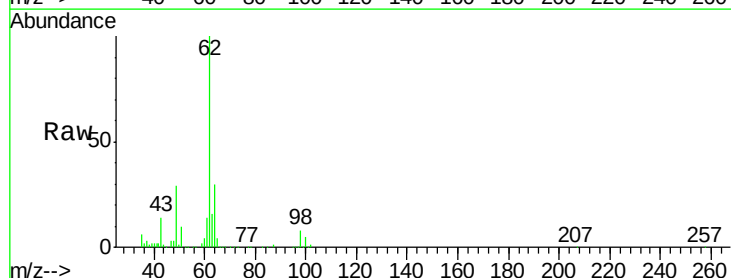
Acq: 17 Apr 2019 17:34

Tgt Ion: 62 Resp: 124310

Ion Ratio Lower Upper

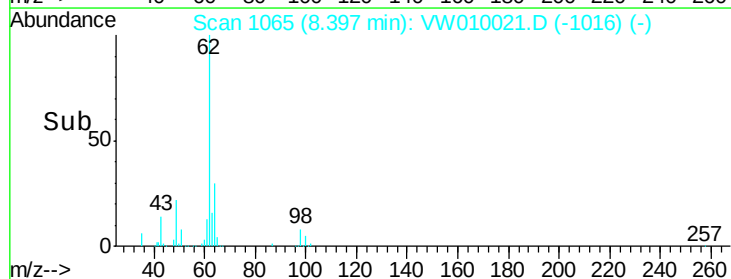
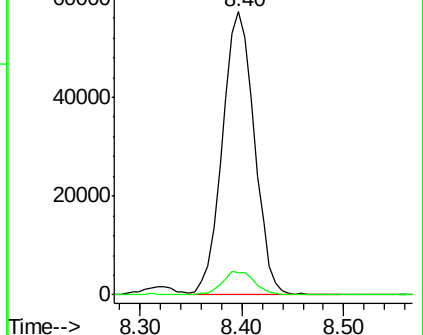
62 100

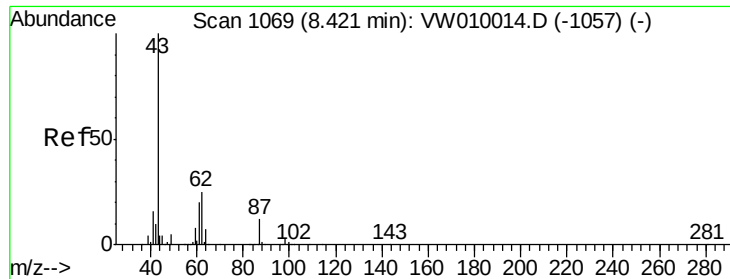
98 8.4 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 21.735 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW010021.D

Acq: 17 Apr 2019 17:34

Instrument :

MSVOA_W

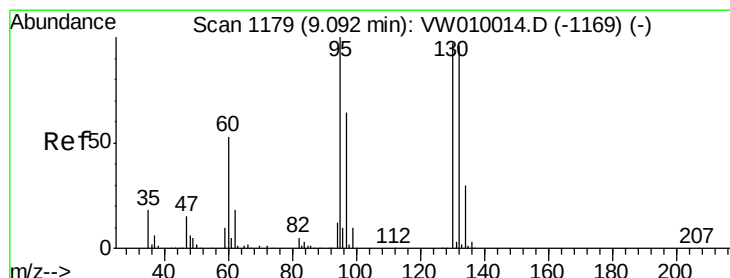
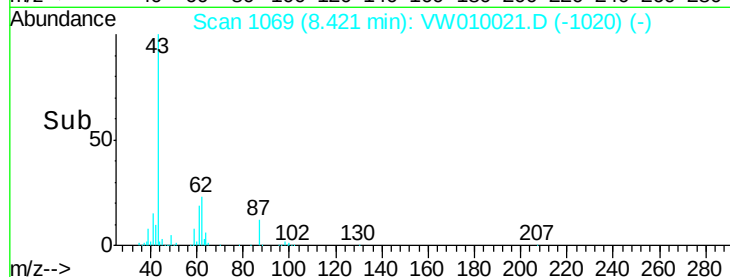
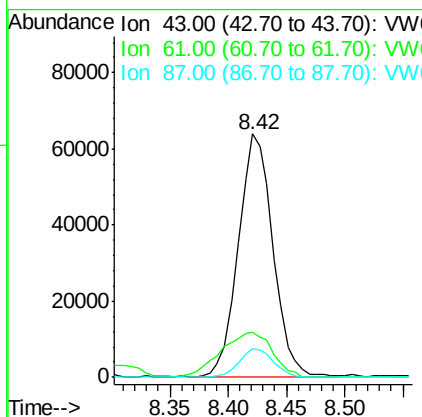
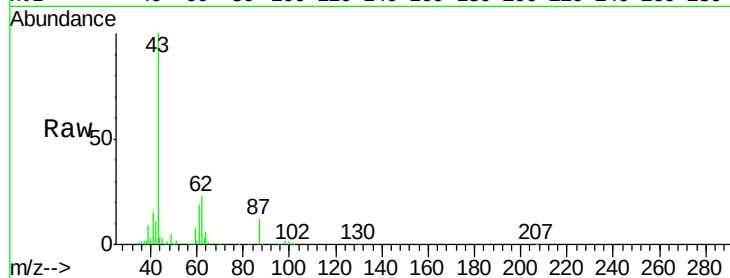
ClientSampleId :

VW0417SBS01

Tot Ion:	43	Resp:	132985
Ion	Ratio	Lower	Upper
43	100		
61	27.0	23.0	34.6
87	11.7	9.3	13.9

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#44

Trichloroethene

Concen: 19.785 ug/l

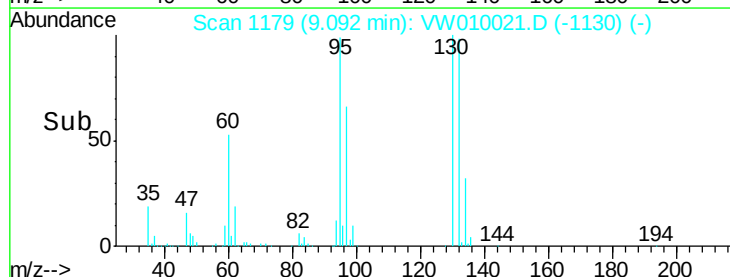
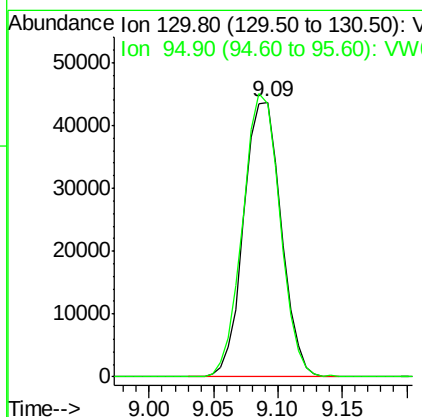
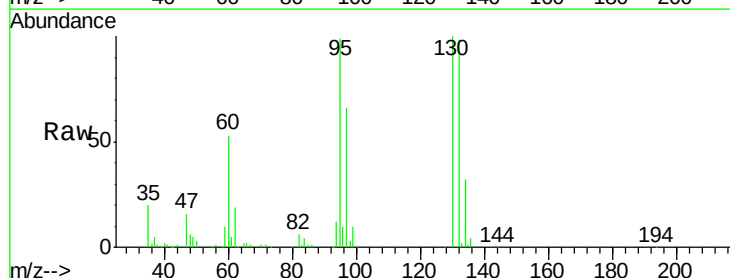
RT: 9.09 min Scan# 1179

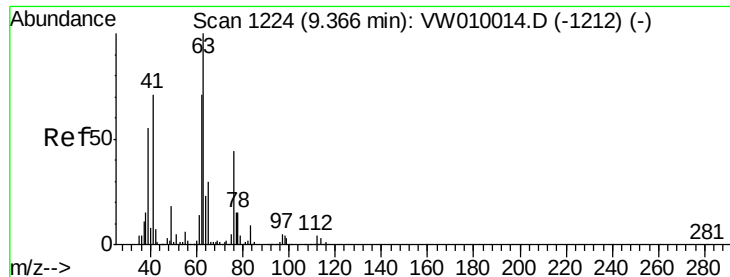
Delta R.T. 0.00 min

Lab File: VW010021.D

Acq: 17 Apr 2019 17:34

Tgt Ion:	130	Resp:	88287
Ion	Ratio	Lower	Upper
130	100		
95	99.2	0.0	205.4





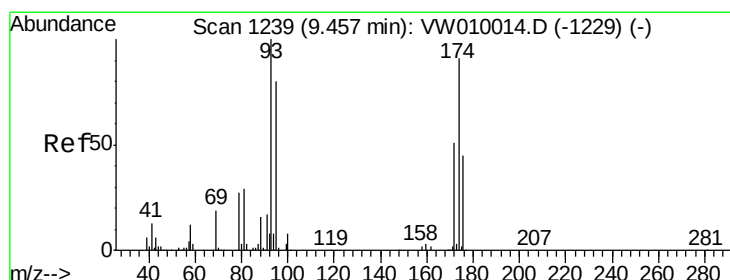
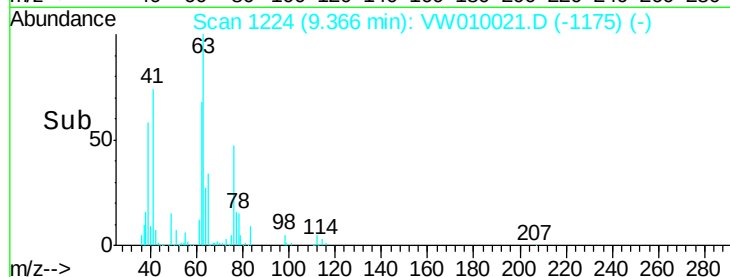
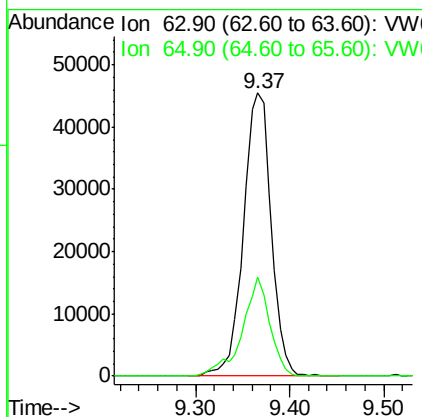
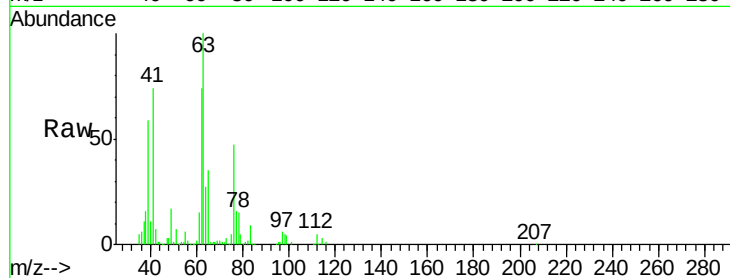
#45
 1,2-Dichloropropane
 Concen: 20.297 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW010021.D
 Acq: 17 Apr 2019 17:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0417SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	35.0	23.8	35.6

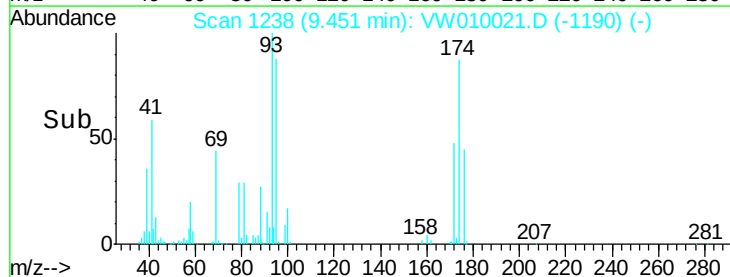
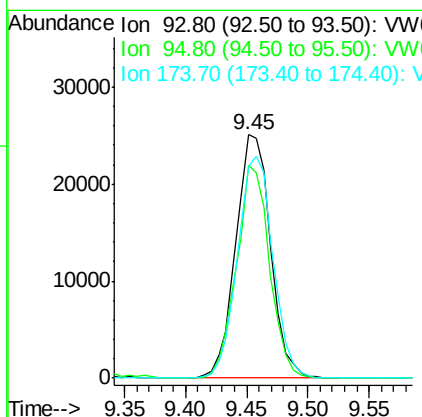
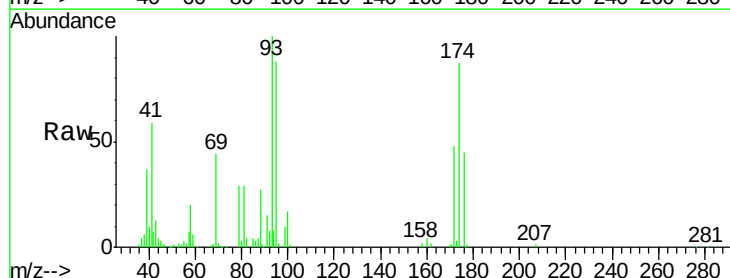
Manual Integrations
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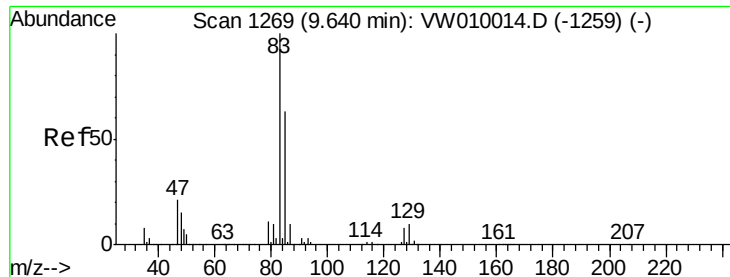
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 4/18/2019 11:40:43 AM



#46
 Dibromomethane
 Concen: 20.673 ug/l
 RT: 9.45 min Scan# 1238
 Delta R.T. -0.01 min
 Lab File: VW010021.D
 Acq: 17 Apr 2019 17:34

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.2	65.8	98.8
174	92.6	75.5	113.3





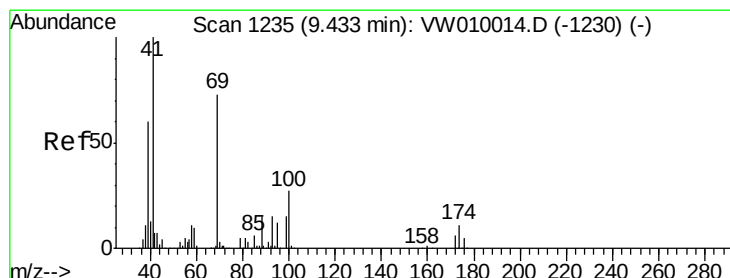
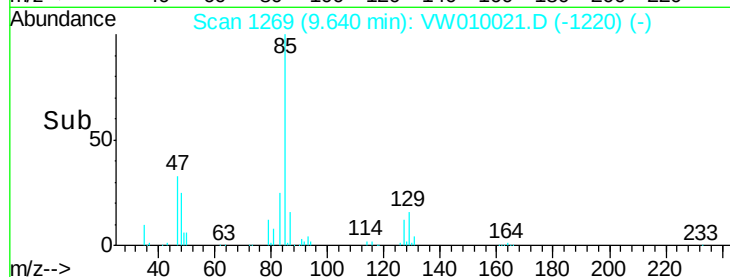
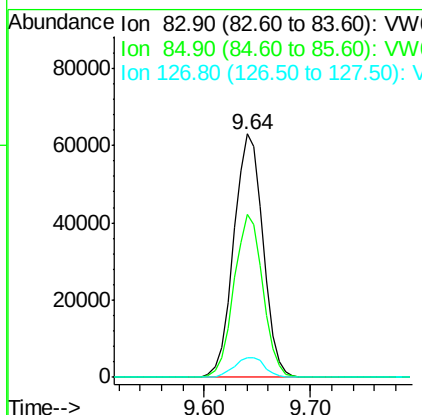
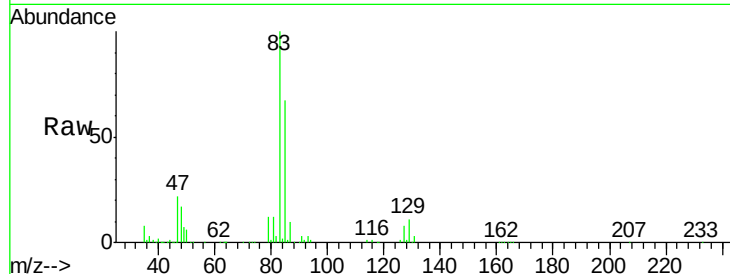
#47
Bromodichloromethane
Concen: 19.691 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW010021.D
Acq: 17 Apr 2019 17:34

Instrument :
MSVOA_W
ClientSampleId :
VW0417SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	66.9	50.6	75.8
127	8.1	6.6	10.0

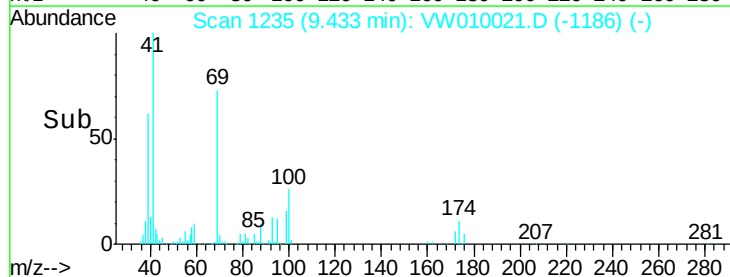
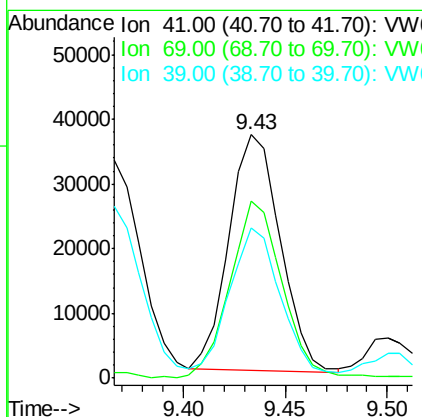
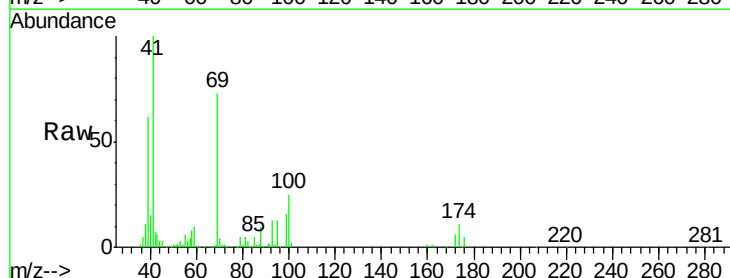
Manual Integrations
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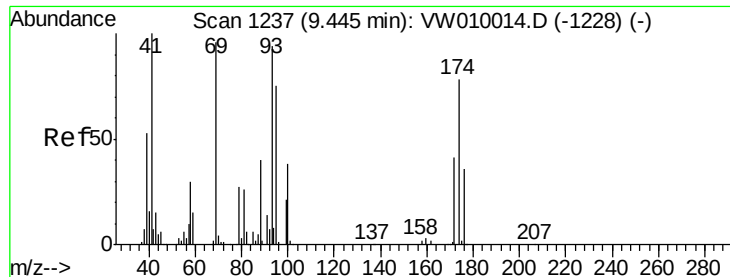
MMDadoda
4/18/2019 11:40:43 AM



#48
Methyl methacrylate
Concen: 21.434 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW010021.D
Acq: 17 Apr 2019 17:34

Tgt Ion	Ratio	Lower	Upper
41	100		
69	77.0	60.1	90.1
39	64.2	51.0	76.6





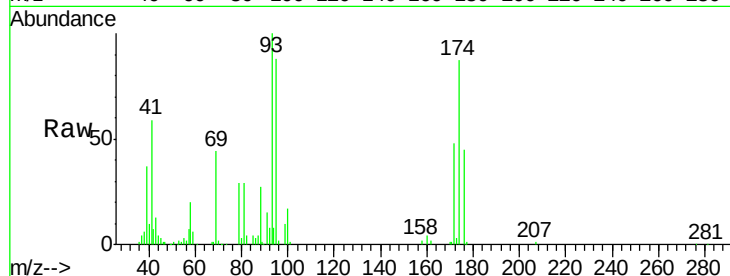
#49
1,4-Dioxane
Concen: 395.790 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW010021.D
Acq: 17 Apr 2019 17:34

Instrument :
MSVOA_W
ClientSampleId :
VW0417SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	41.7	31.9	47.9
58	84.6	61.8	92.6

Manual Integrations
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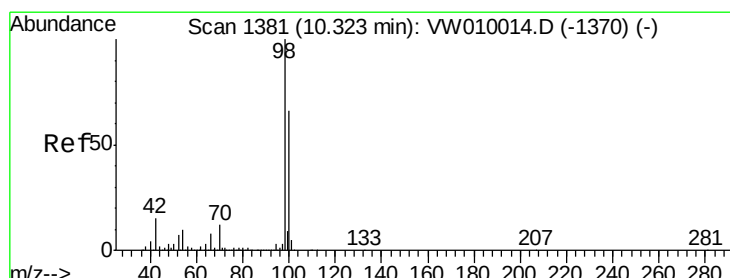
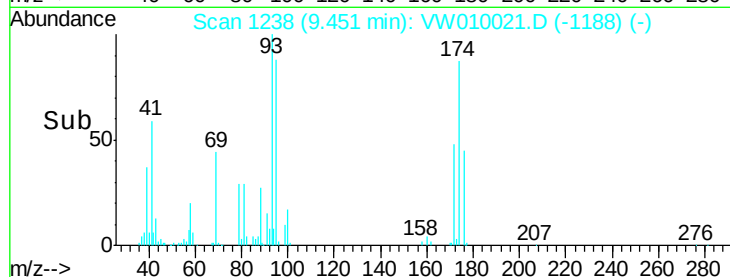
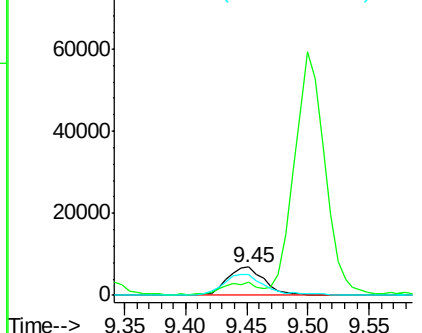


Abundance

Ion 88.00 (87.70 to 88.70): VW

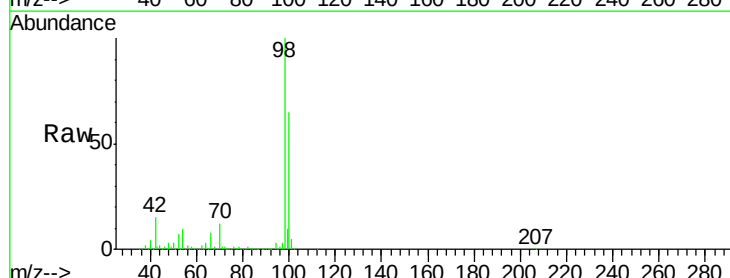
Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50
Toluene-d8
Concen: 50.276 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW010021.D
Acq: 17 Apr 2019 17:34

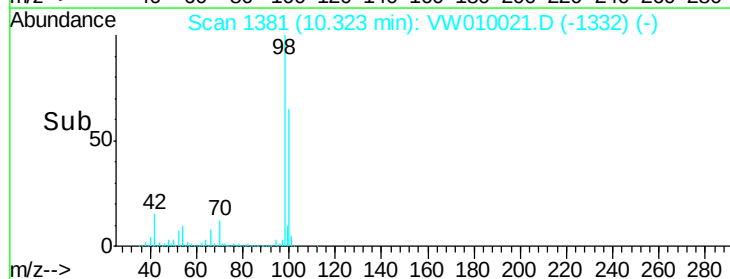
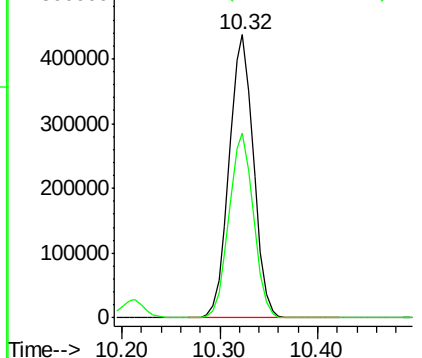
Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.3	78.5

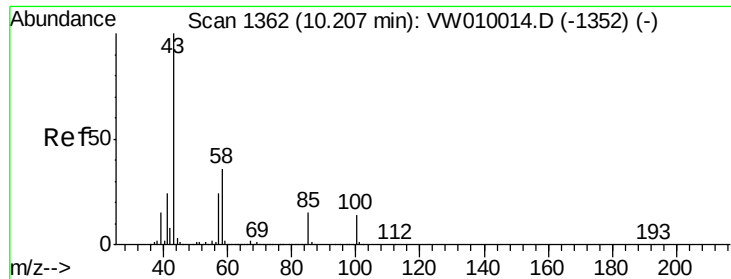


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





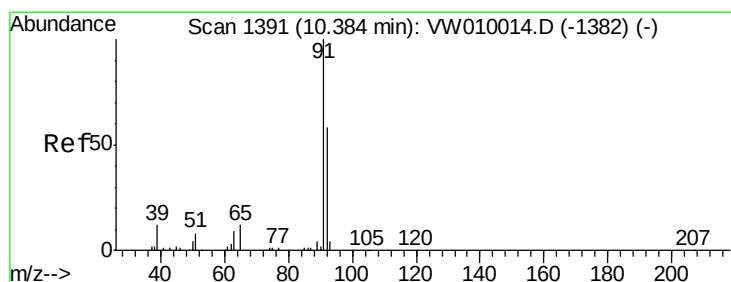
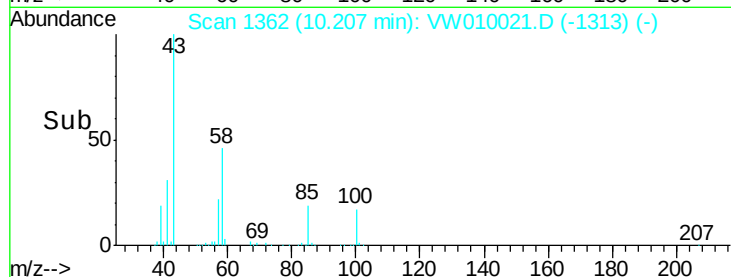
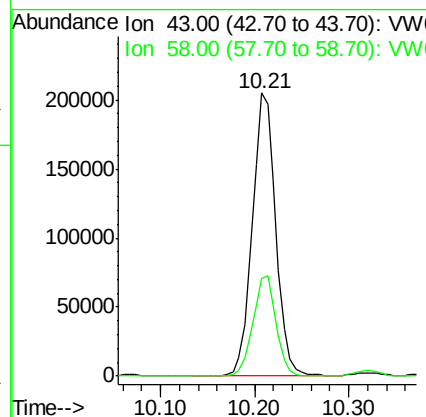
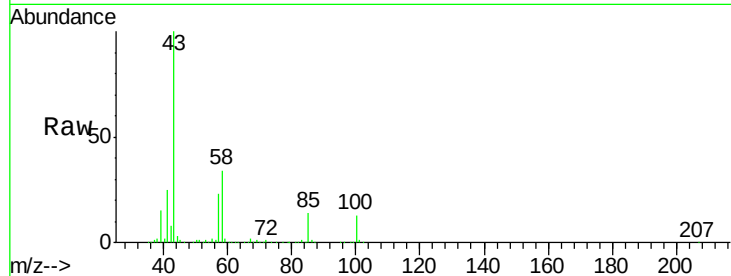
#51
4-Methyl-2-Pentanone
Concen: 111.570 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW010021.D
Acq: 17 Apr 2019 17:34

Instrument :
MSVOA_W
ClientSampleId :
VW0417SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.1	28.9	43.3

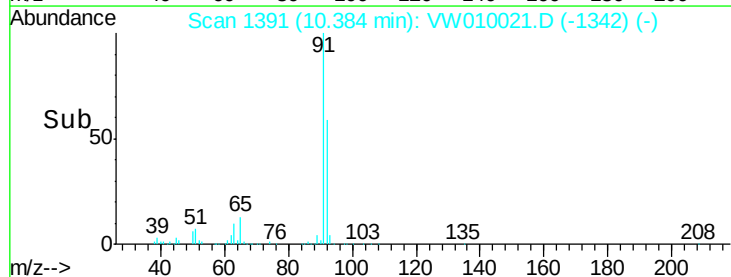
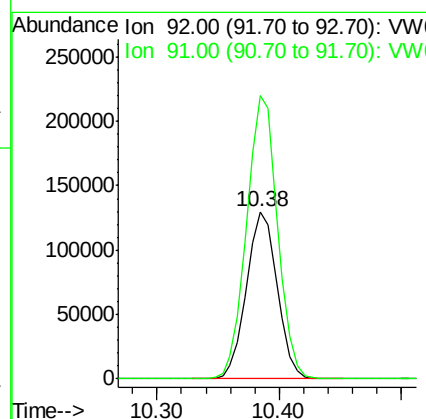
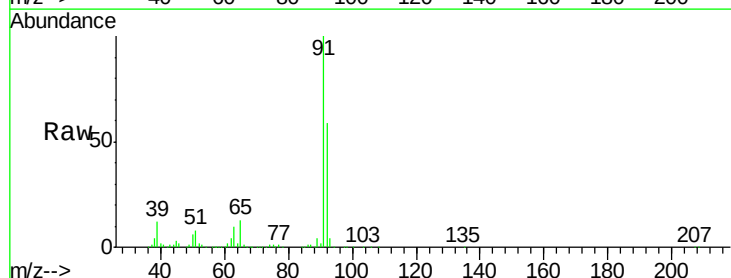
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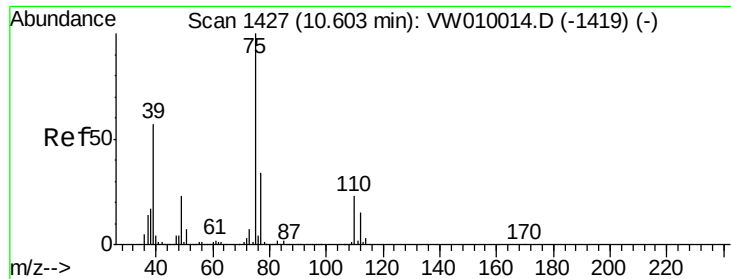
MMDadoda
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#52
Toluene
Concen: 20.720 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VW010021.D
Acq: 17 Apr 2019 17:34

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.1	138.5	207.7





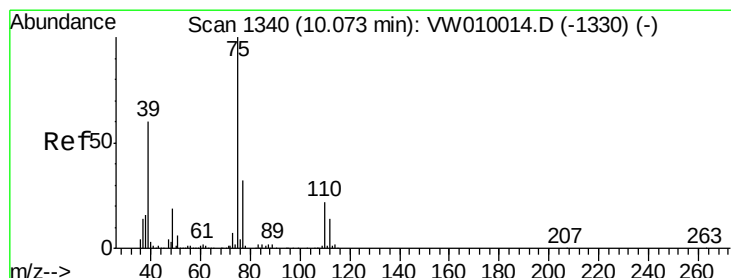
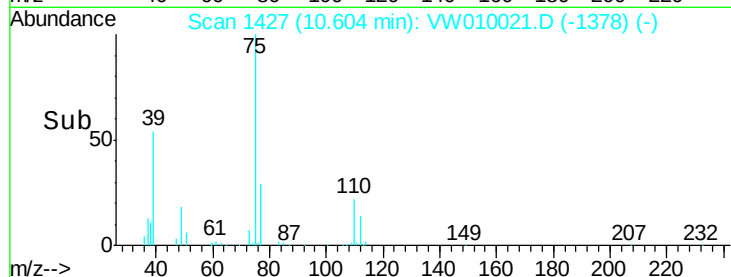
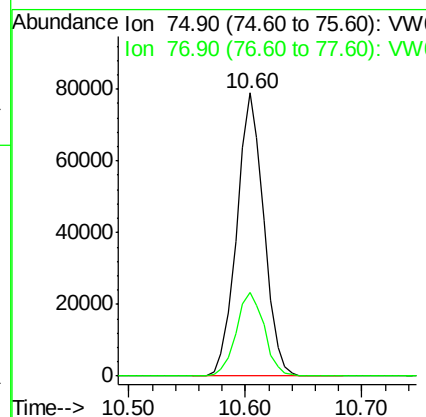
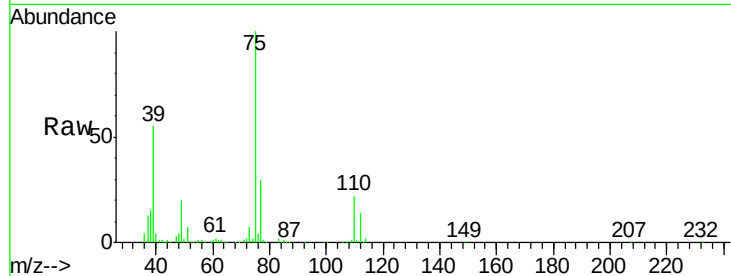
#53
t-1,3-Dichloropropene
Concen: 20.809 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW010021.D
Acq: 17 Apr 2019 17:34

Instrument :
MSVOA_W
ClientSampleId :
VW0417SBS01

Tot Ion: 75 Resp: 127475
Ion Ratio Lower Upper
75 100
77 29.7 26.9 40.3

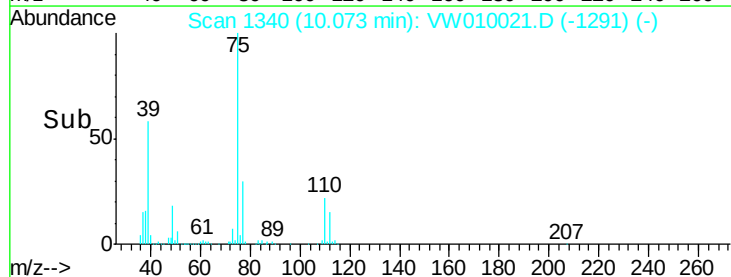
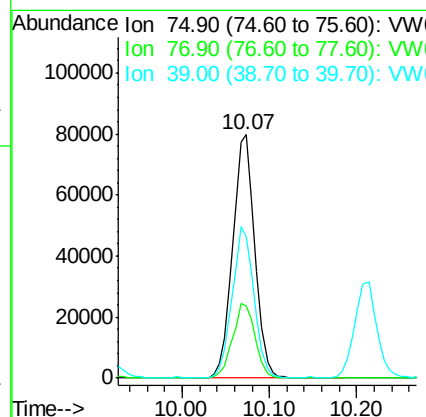
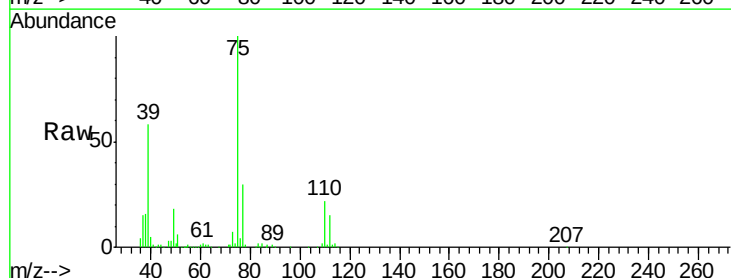
Manual Integrations
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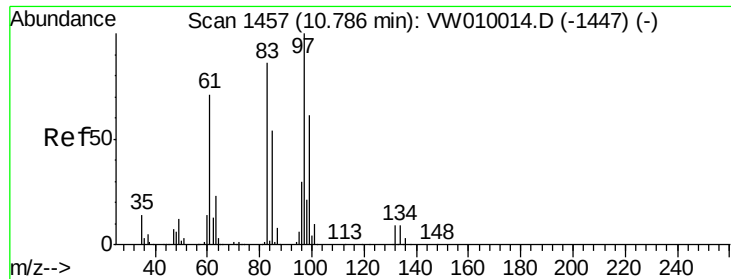
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#54
cis-1,3-Dichloropropene
Concen: 20.089 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW010021.D
Acq: 17 Apr 2019 17:34

Tgt Ion: 75 Resp: 140520
Ion Ratio Lower Upper
75 100
77 29.9 25.6 38.4
39 57.7 47.8 71.6





#55

1,1,2-Trichloroethane

Concen: 20.660 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW010021.D

Acq: 17 Apr 2019 17:34

Instrument :

MSVOA_W

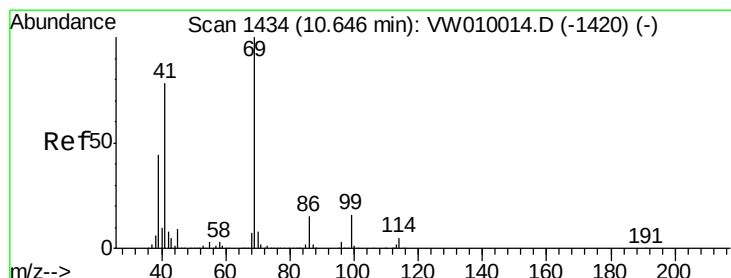
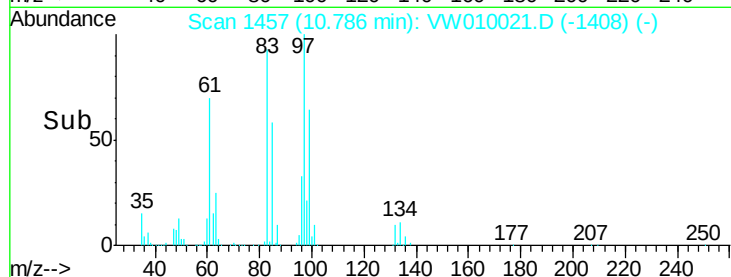
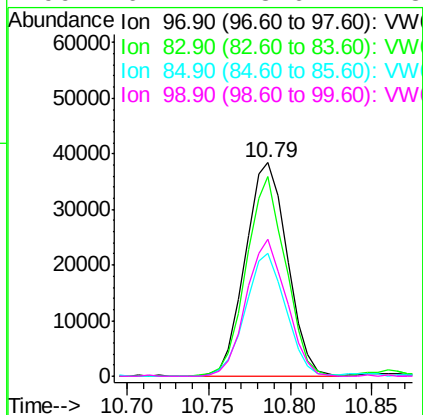
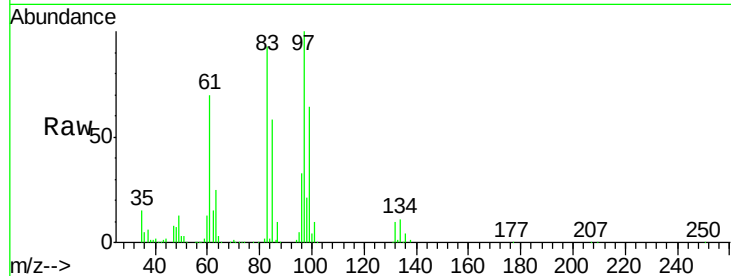
ClientSampleId :

VW0417SBS01

Tot Ion:	97	Resp:	69020
Ion	Ratio	Lower	Upper
97	100		
83	93.3	68.9	103.3
85	57.6	42.9	64.3
99	64.2	48.6	72.8

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#56

Ethyl methacrylate

Concen: 20.318 ug/l

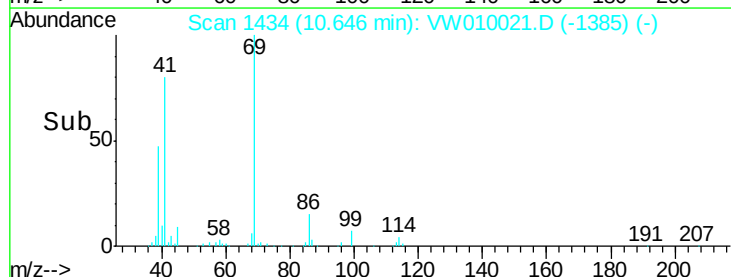
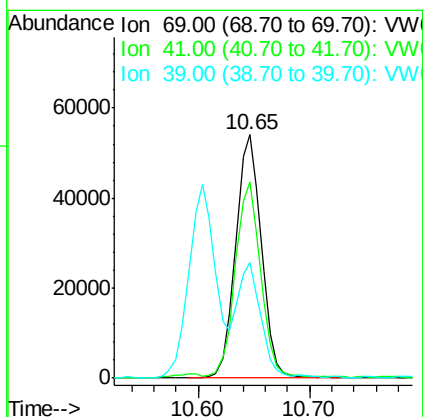
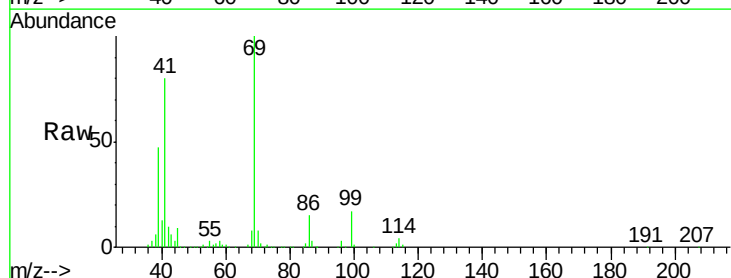
RT: 10.65 min Scan# 1434

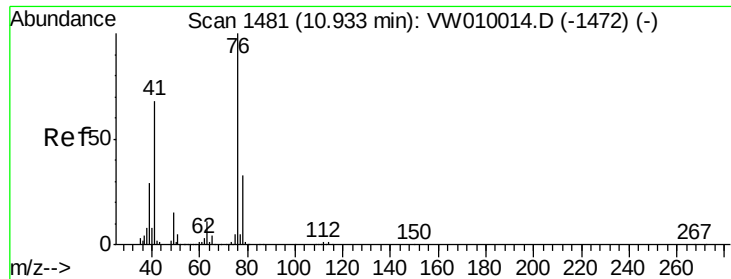
Delta R.T. 0.00 min

Lab File: VW010021.D

Acq: 17 Apr 2019 17:34

Tgt Ion:	69	Resp:	86573
Ion	Ratio	Lower	Upper
69	100		
41	78.1	61.0	91.6
39	41.2	33.8	50.6





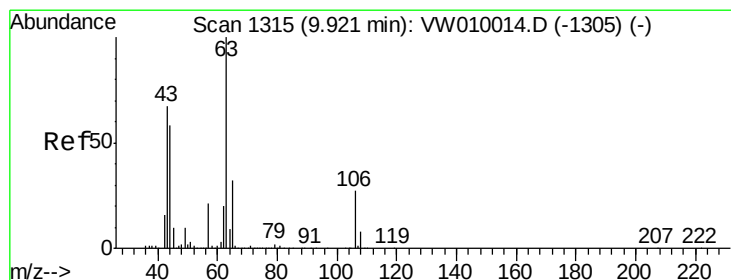
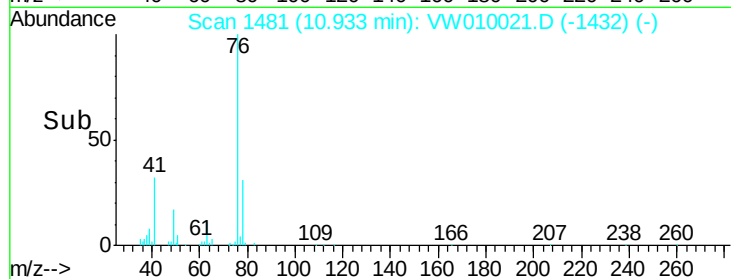
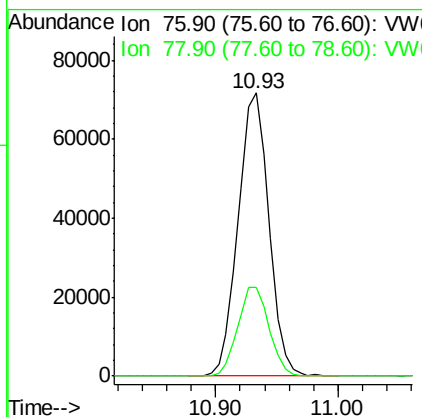
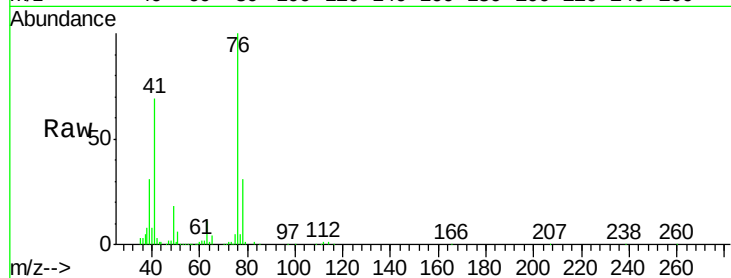
#57
 1,3-Dichloropropane
 Concen: 20.885 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW010021.D
 Acq: 17 Apr 2019 17:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0417SBS01

Tot Ion: 76 Resp: 125057
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.8 38.8

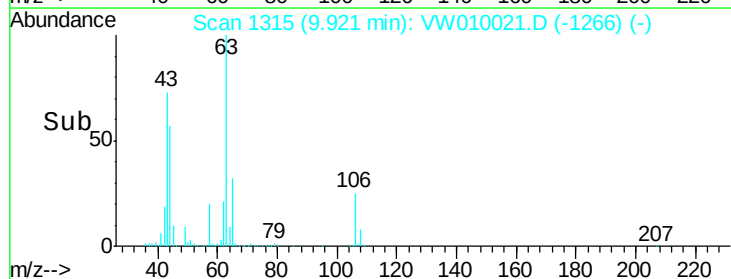
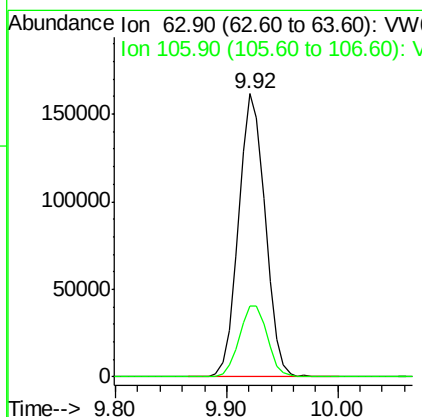
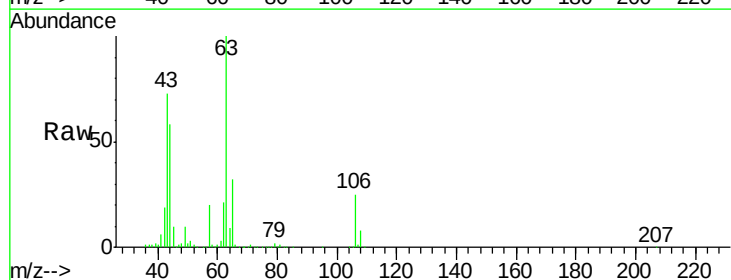
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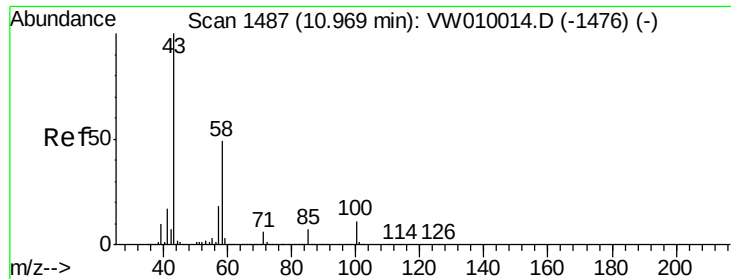
MMDadoda
 4/18/2019 11:40:43 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 134.548 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW010021.D
 Acq: 17 Apr 2019 17:34

Tgt Ion: 63 Resp: 268586
 Ion Ratio Lower Upper
 63 100
 106 26.5 21.4 32.0





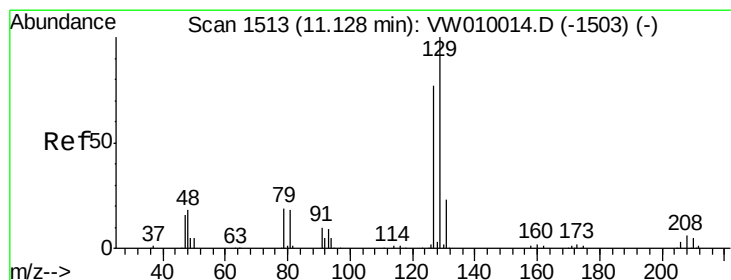
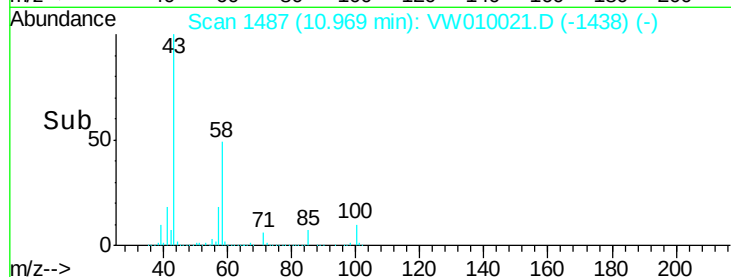
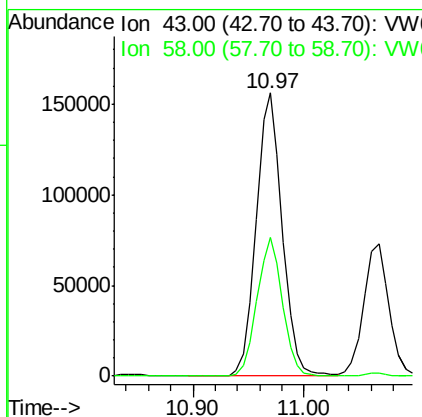
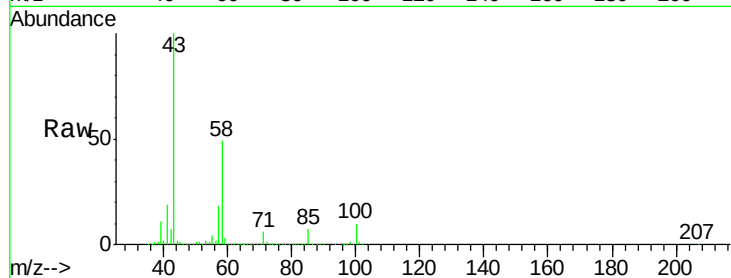
#59
2-Hexanone
Concen: 113.862 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW010021.D
Acq: 17 Apr 2019 17:34

Instrument :
MSVOA_W
ClientSampleId :
VW0417SBS01

Tot Ion: 43 Resp: 253993
Ion Ratio Lower Upper
43 100
58 48.2 24.9 74.7

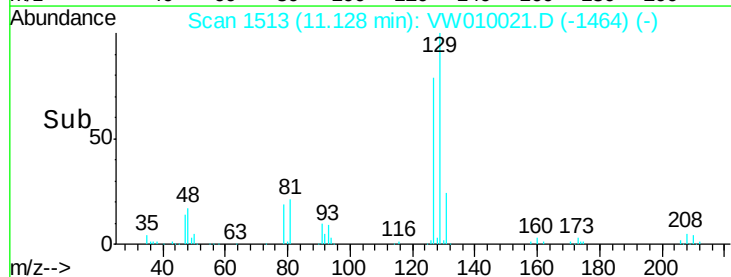
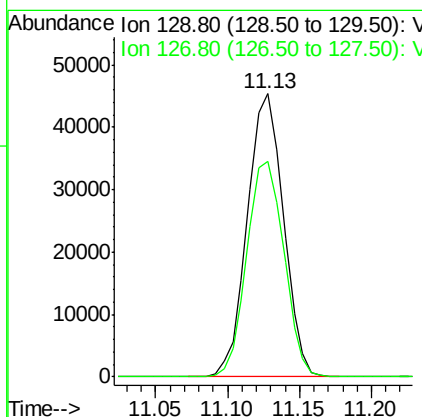
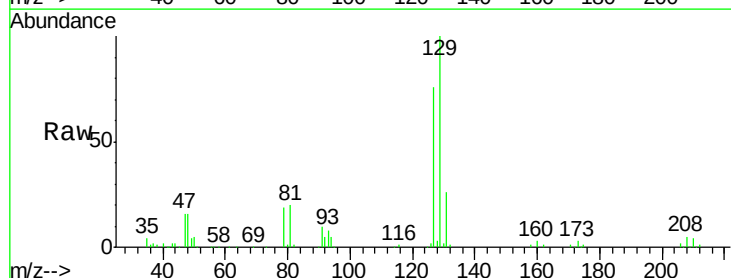
Manual Integrations
APPROVED

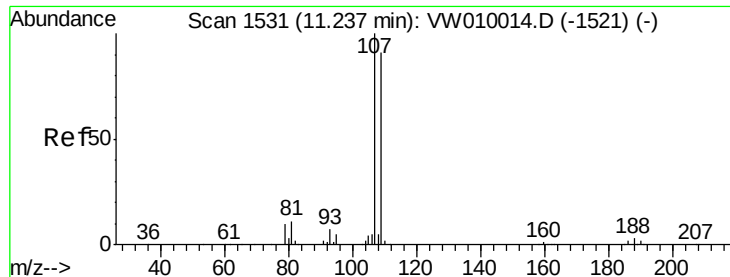
MMDadoda
4/18/2019 11:40:43 AM



#60
Dibromochloromethane
Concen: 20.420 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW010021.D
Acq: 17 Apr 2019 17:34

Tgt Ion: 129 Resp: 78845
Ion Ratio Lower Upper
129 100
127 78.4 38.6 116.0





#61

1,2-Dibromoethane

Concen: 20.468 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW010021.D

Acq: 17 Apr 2019 17:34

Instrument :

MSVOA_W

ClientSampleId :

VW0417SBS01

Tot Ion: 107 Resp: 65045

Ion Ratio Lower Upper

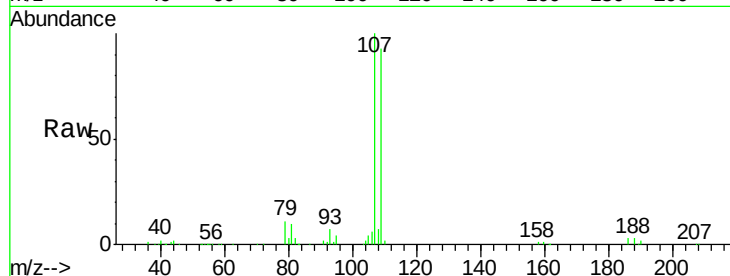
107 100

109 94.9 73.6 110.4

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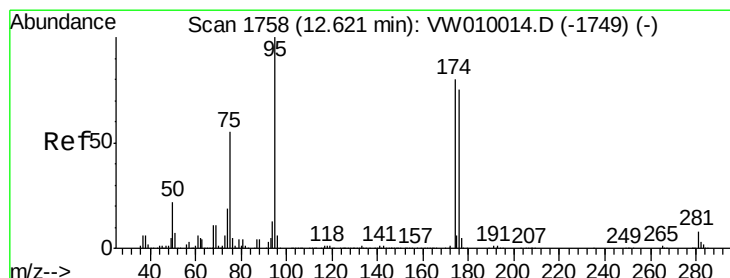
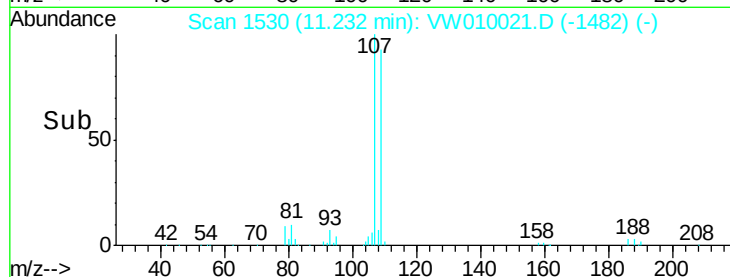


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.23

Time-->



#62

4-Bromofluorobenzene

Concen: 50.355 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW010021.D

Acq: 17 Apr 2019 17:34

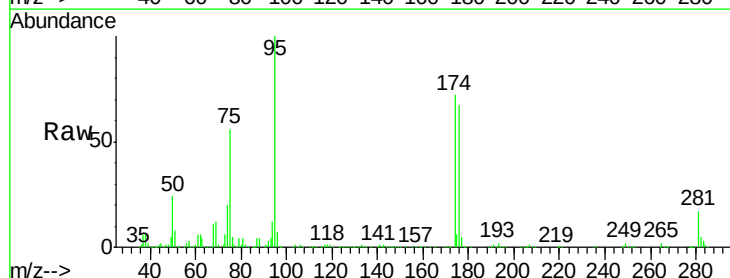
Tgt Ion: 95 Resp: 274299

Ion Ratio Lower Upper

95 100

174 76.0 0.0 151.4

176 73.4 0.0 146.2



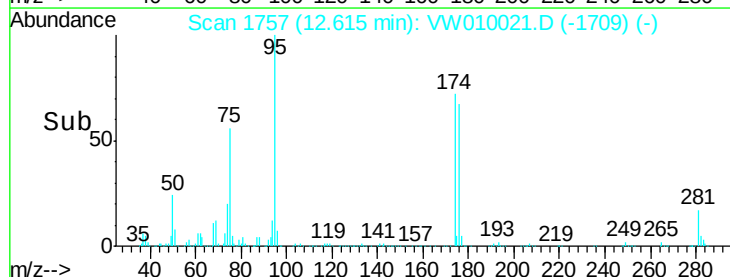
Abundance Ion 94.90 (94.60 to 95.60): VW

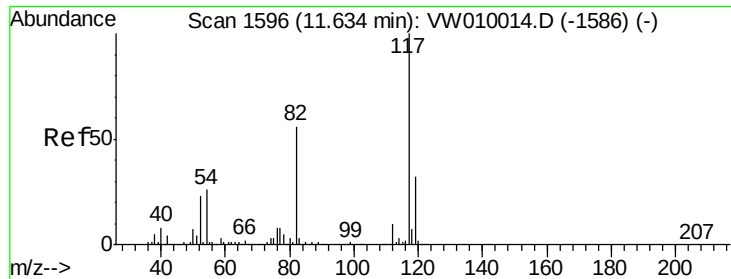
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

Time-->





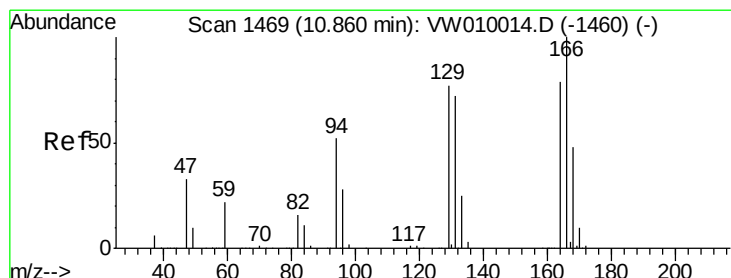
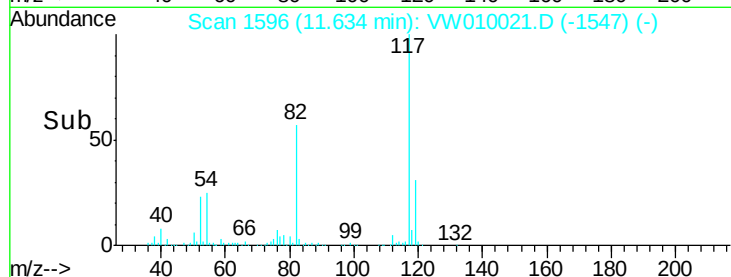
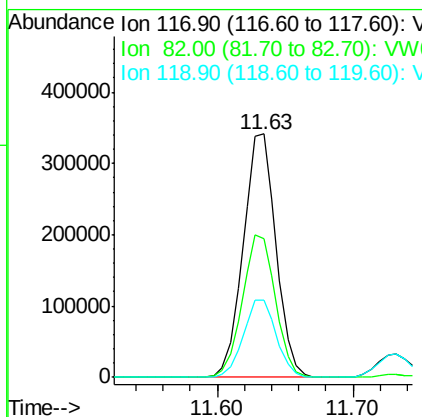
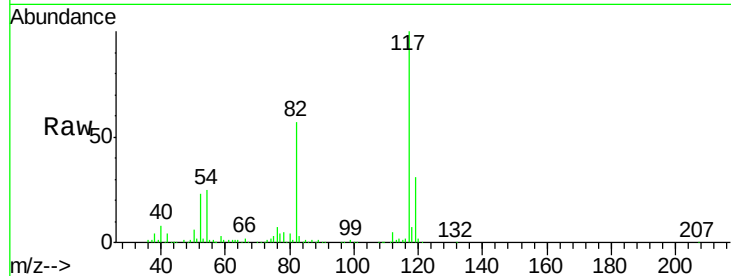
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010021.D
Acq: 17 Apr 2019 17:34

Instrument :
MSVOA_W
ClientSampleId :
VW0417SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.7	45.2	67.8
119	31.5	25.4	38.2

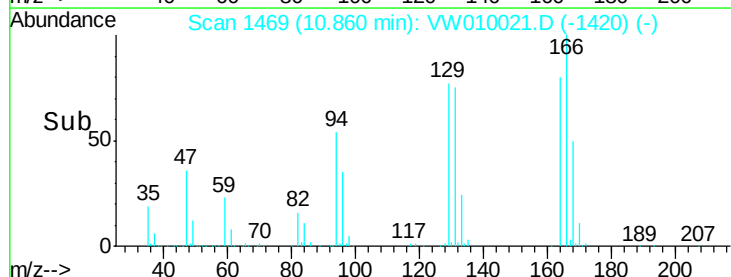
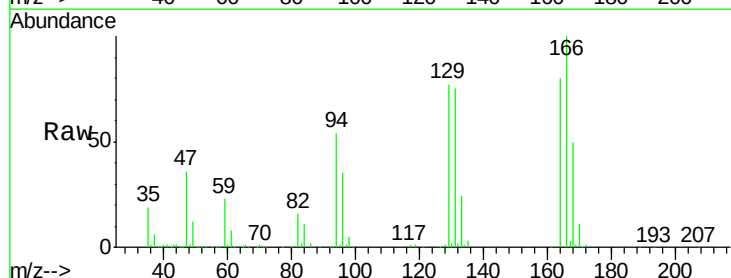
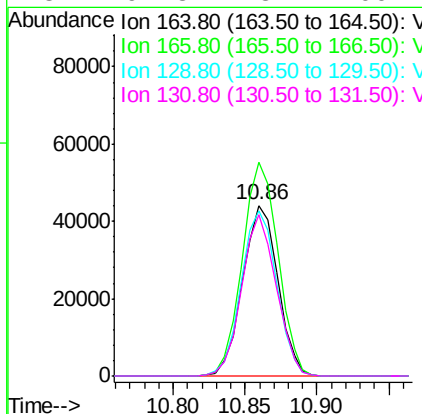
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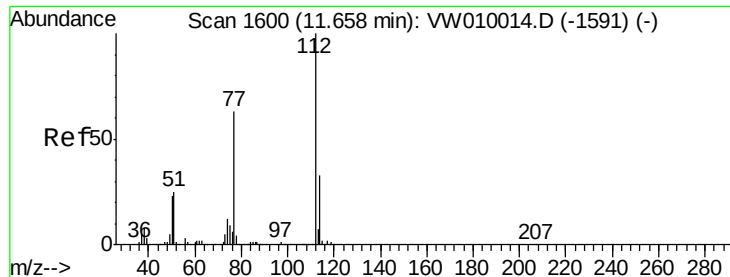
MMDadoda
4/18/2019 11:40:43 AM



#64
Tetrachloroethene
Concen: 19.960 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW010021.D
Acq: 17 Apr 2019 17:34

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.1	101.2	151.8
129	96.9	77.8	116.6
131	94.3	73.1	109.7





#65

Chlorobenzene

Concen: 20.893 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW010021.D

Acq: 17 Apr 2019 17:34

Instrument :

MSVOA_W

ClientSampleId :

VW0417SBS01

Tot Ion:112 Resp: 245565

Ion Ratio Lower Upper

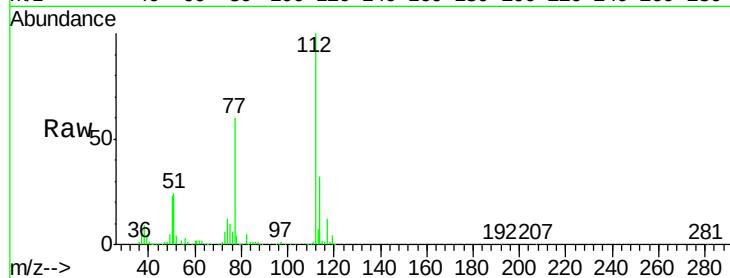
112 100

114 31.9 26.5 39.7

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.66

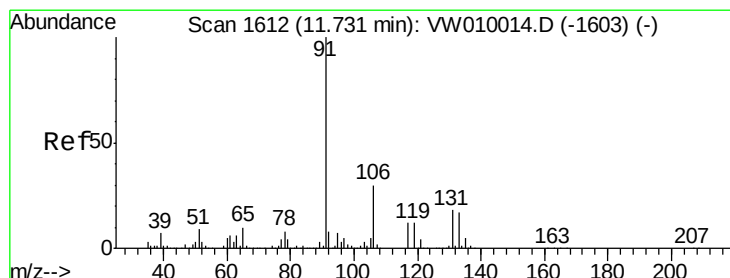
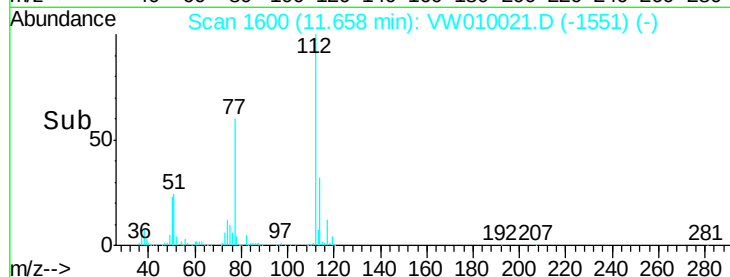
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 20.177 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW010021.D

Acq: 17 Apr 2019 17:34

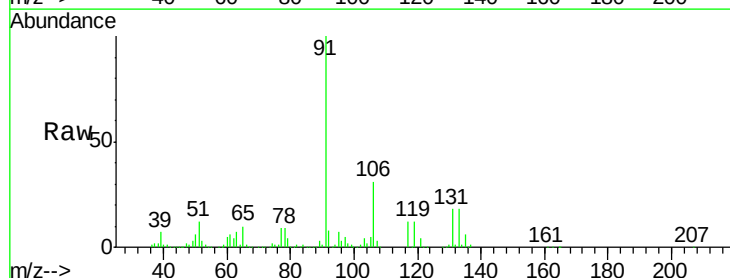
Tgt Ion:131 Resp: 84806

Ion Ratio Lower Upper

131 100

133 96.5 46.5 139.5

119 64.8 31.9 95.5



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.73

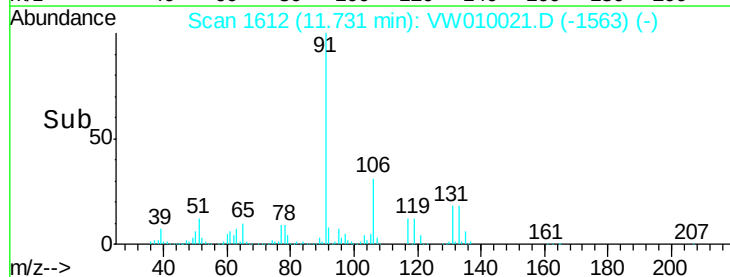
150000

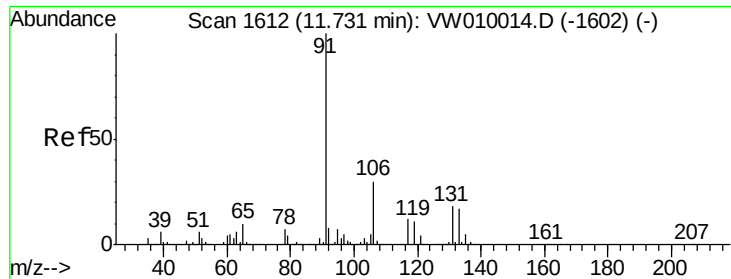
100000

50000

0

Time-->





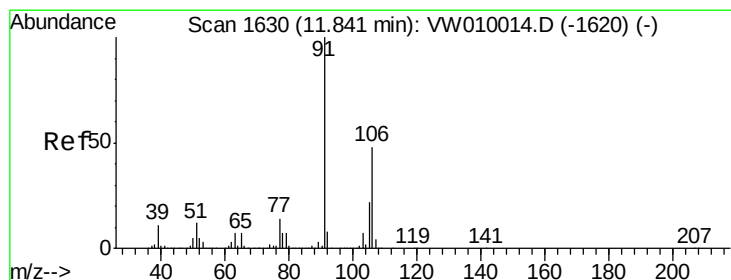
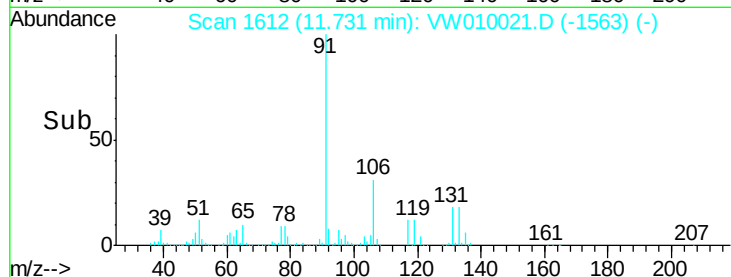
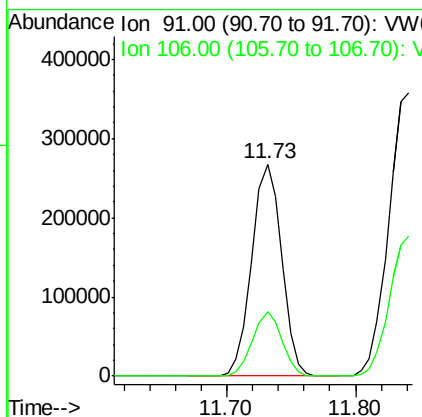
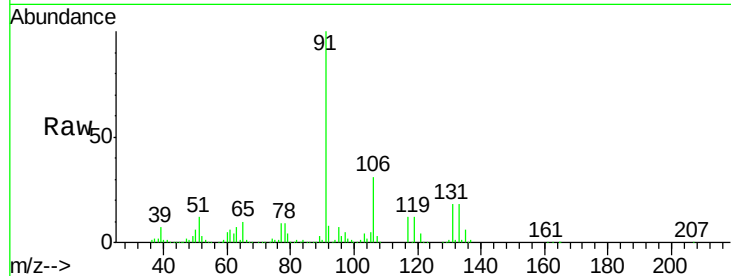
#67
Ethyl Benzene
Concen: 20.382 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010021.D
Acq: 17 Apr 2019 17:34

Instrument :
MSVOA_W
ClientSampleId :
VW0417SBS01

Tot Ion: 91 Resp: 427407
Ion Ratio Lower Upper
91 100
106 30.7 23.8 35.8

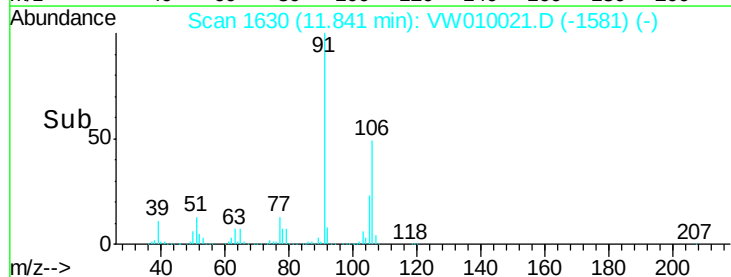
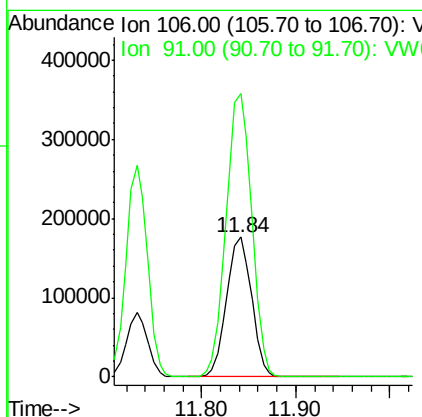
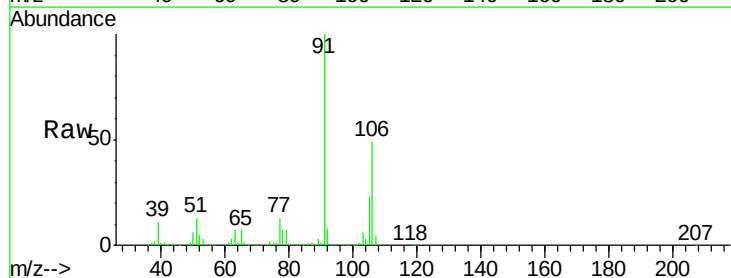
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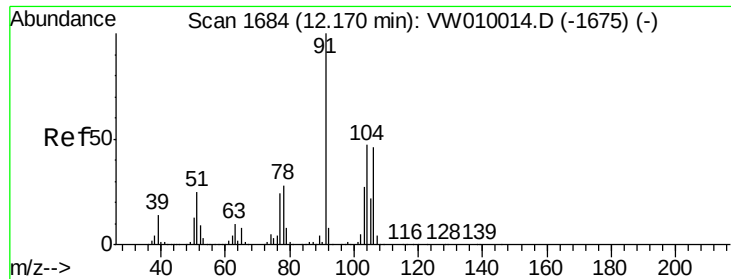
MMDadoda
4/18/2019 11:40:43 AM



#68
m/p-Xylenes
Concen: 41.567 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW010021.D
Acq: 17 Apr 2019 17:34

Tgt Ion: 106 Resp: 325826
Ion Ratio Lower Upper
106 100
91 207.5 165.0 247.6





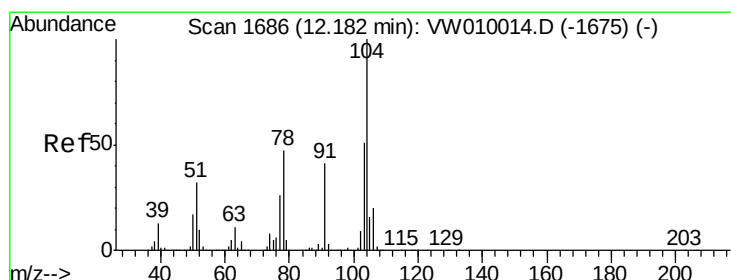
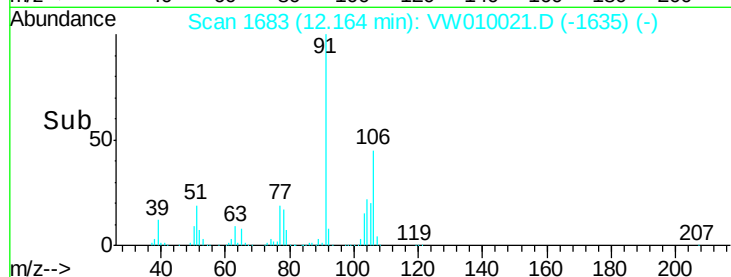
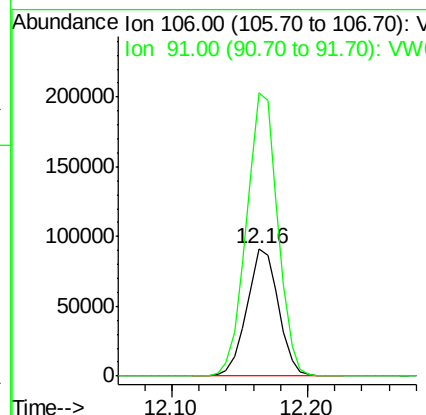
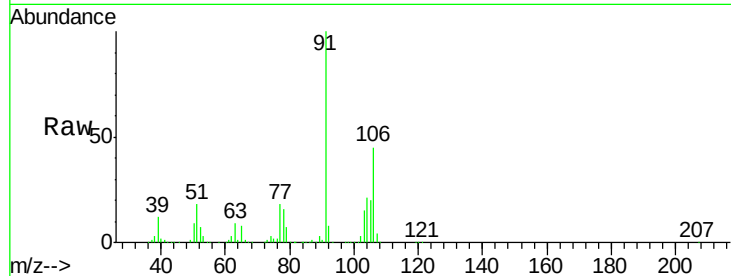
#69
o-Xylene
Concen: 20.766 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010021.D
Acq: 17 Apr 2019 17:34

Instrument :
MSVOA_W
ClientSampleId :
VW0417SBS01

Tot Ion	Ratio	Resp	Lower	Upper
106	100	148216		
91	221.0	110.5	331.4	

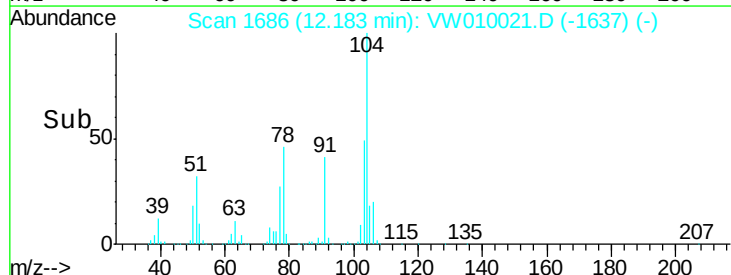
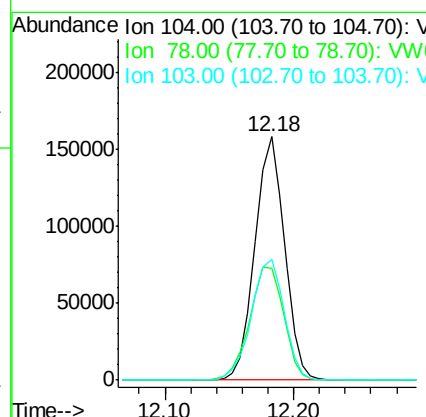
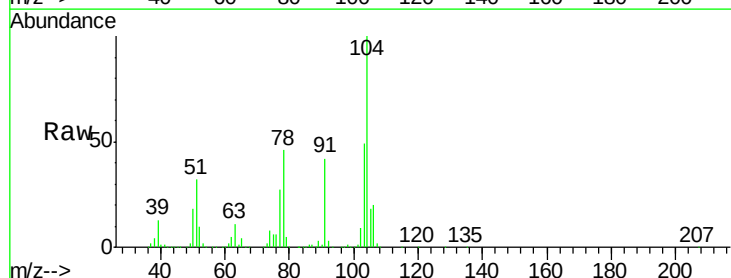
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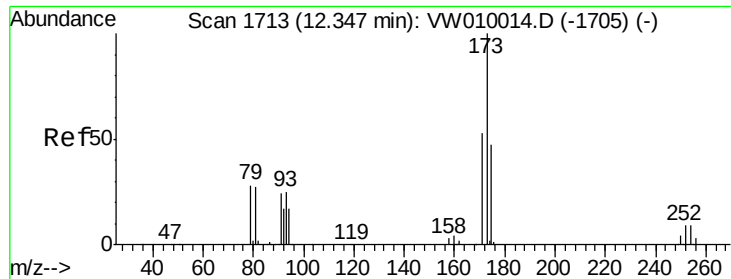
MMDadoda
4/18/2019 11:40:43 AM



#70
Styrene
Concen: 20.404 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010021.D
Acq: 17 Apr 2019 17:34

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	251091		
78	53.6	42.5	63.7	
103	55.2	43.6	65.4	





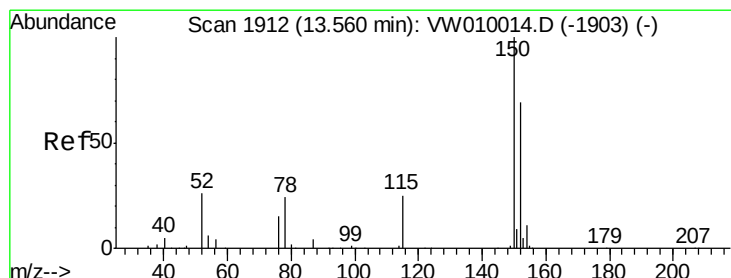
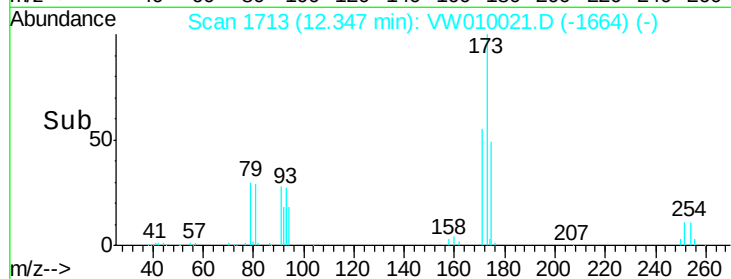
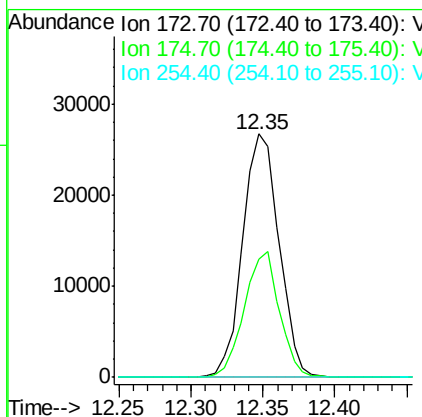
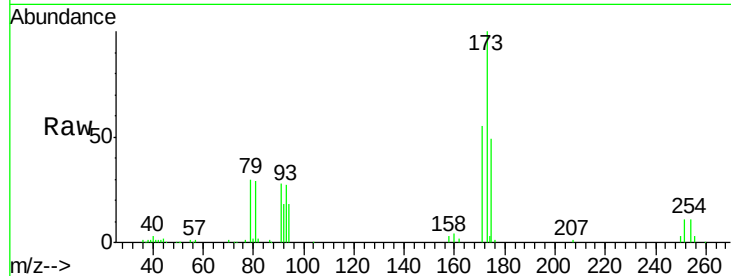
#71
Bromoform
Concen: 20.977 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW010021.D
Acq: 17 Apr 2019 17:34

Instrument :
MSVOA_W
ClientSampleId :
VW0417SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.0	23.8	71.4
254	0.1	0.1	0.1

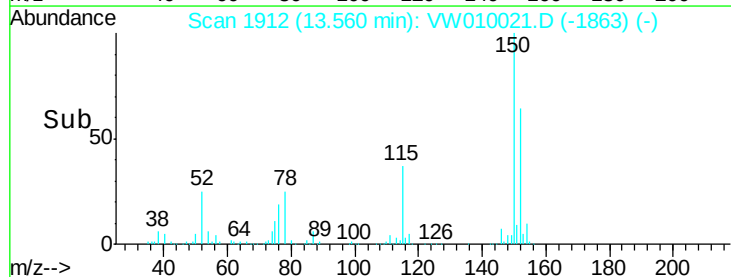
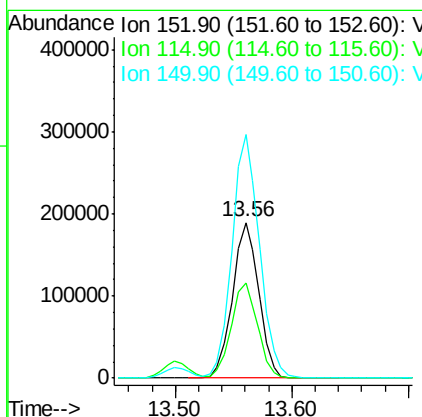
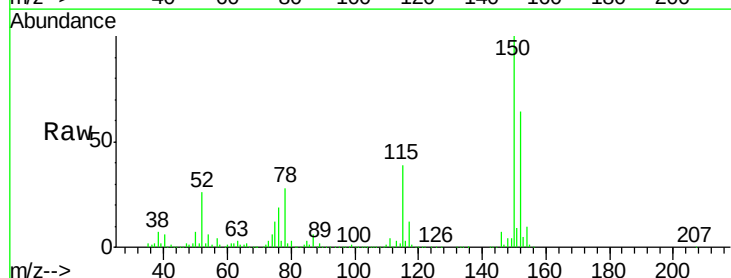
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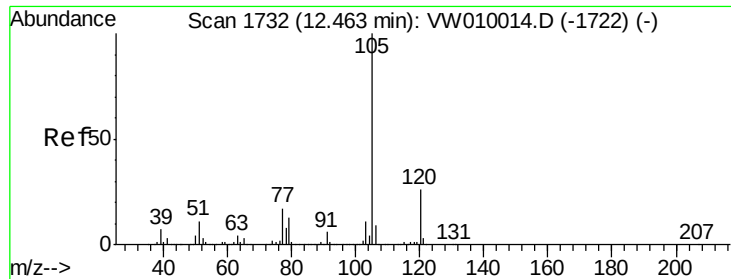
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW010021.D
Acq: 17 Apr 2019 17:34

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.3	30.4	91.2
150	162.9	0.0	347.0





#73

Isopropylbenzene

Concen: 20.356 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW010021.D

Acq: 17 Apr 2019 17:34

Instrument :

MSVOA_W

ClientSampleId :

VW0417SBS01

Tot Ion:105 Resp: 420691

Ion Ratio Lower Upper

105 100

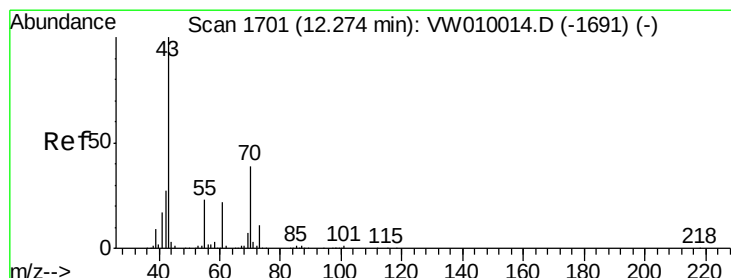
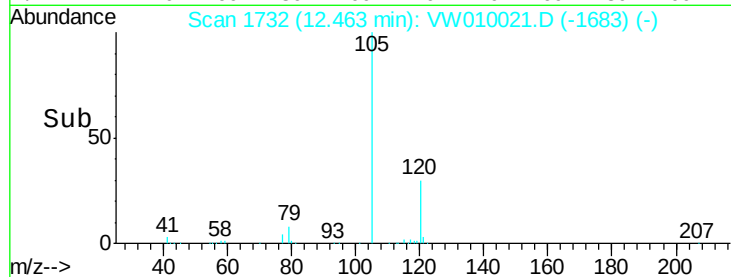
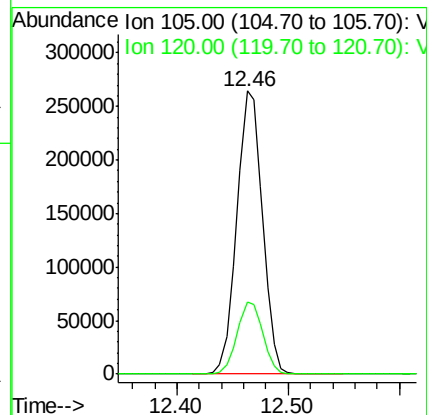
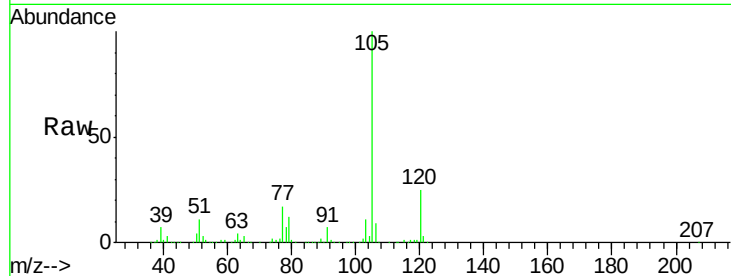
120 25.5 13.1 39.1

Manual Integrations

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#74

N-ethyl acetate

Concen: 21.253 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW010021.D

Acq: 17 Apr 2019 17:34

Tgt Ion: 43 Resp: 121639

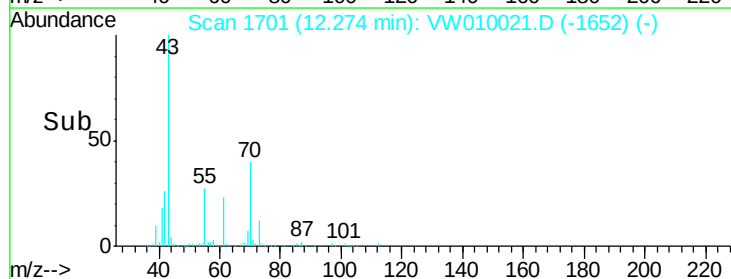
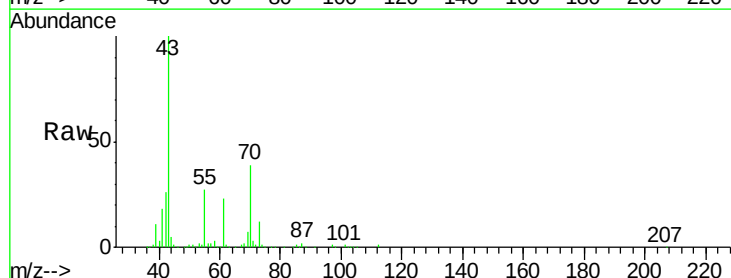
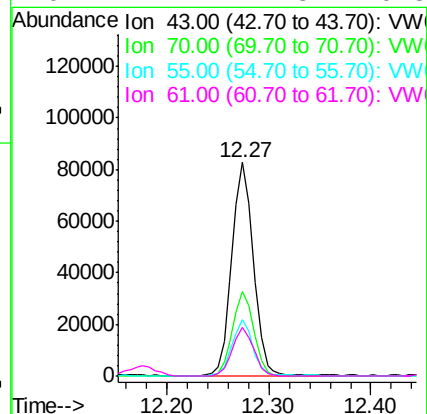
Ion Ratio Lower Upper

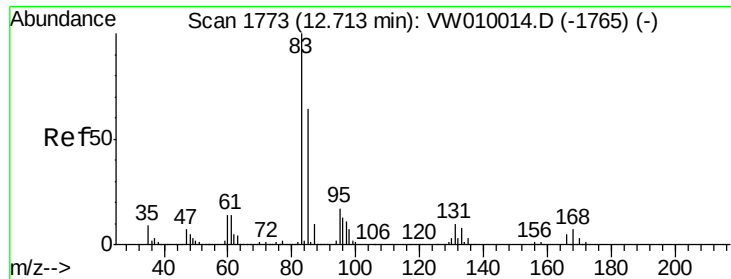
43 100

70 38.8 31.3 46.9

55 25.7 20.0 30.0

61 22.4 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.993 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW010021.D

Acq: 17 Apr 2019 17:34

Instrument :

MSVOA_W

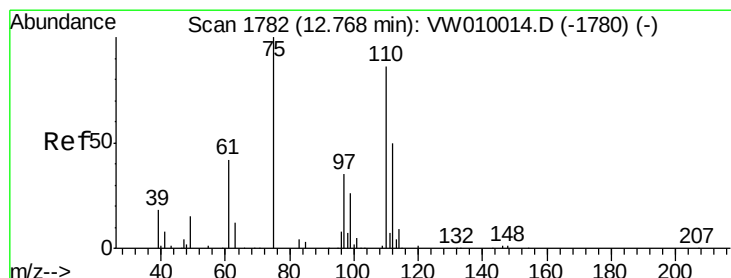
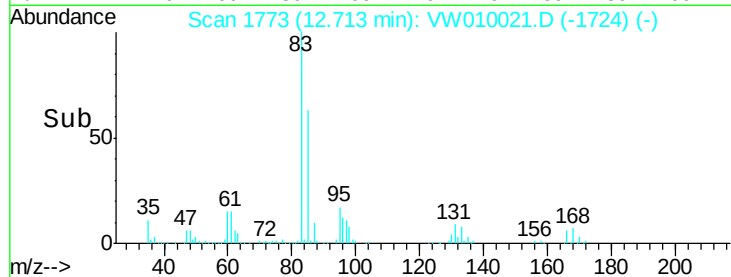
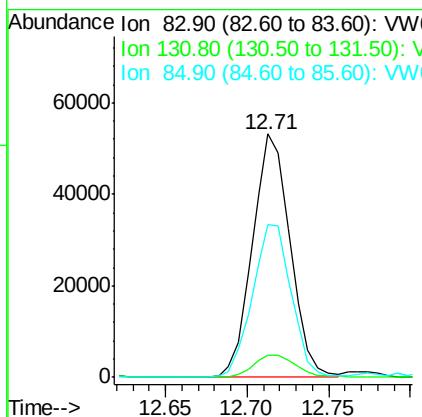
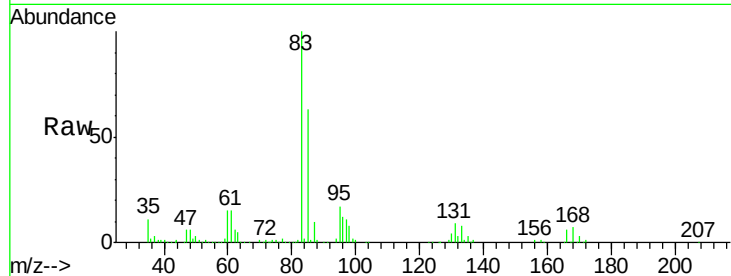
ClientSampleId :

VW0417SBS01

Tot Ion:	83	Resp:	85716
Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.3	15.8
85	65.0	32.0	96.2

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#76

1,2,3-Trichloropropane

Concen: 21.051 ug/l m

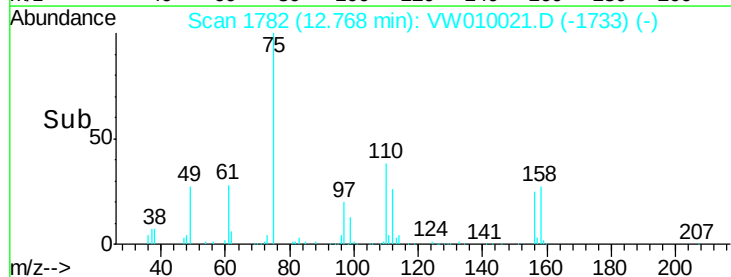
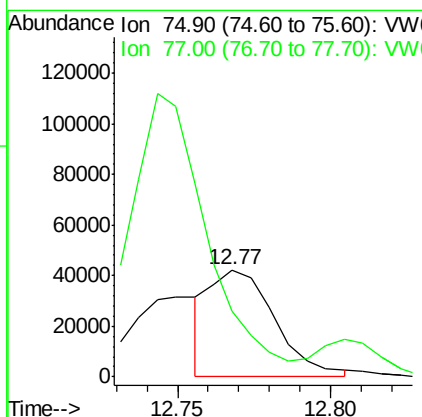
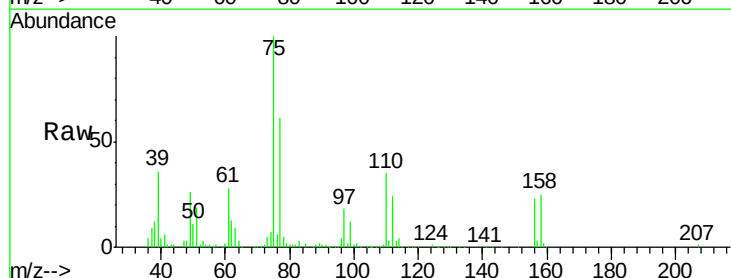
RT: 12.77 min Scan# 1782

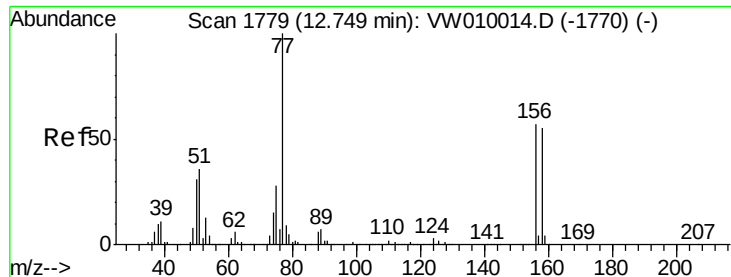
Delta R.T. 0.00 min

Lab File: VW010021.D

Acq: 17 Apr 2019 17:34

Tgt Ion:	75	Resp:	62563
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.362 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW010021.D

Acq: 17 Apr 2019 17:34

Instrument :

MSVOA_W

ClientSampleId :

VW0417SBS01

Tot Ion:156 Resp: 96782

Ion Ratio Lower Upper

156 100

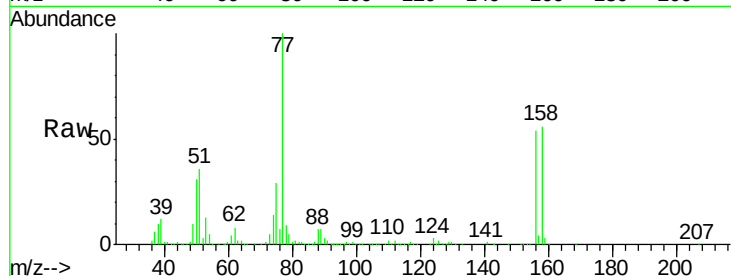
77 205.7 102.5 307.4

158 97.2 48.8 146.4

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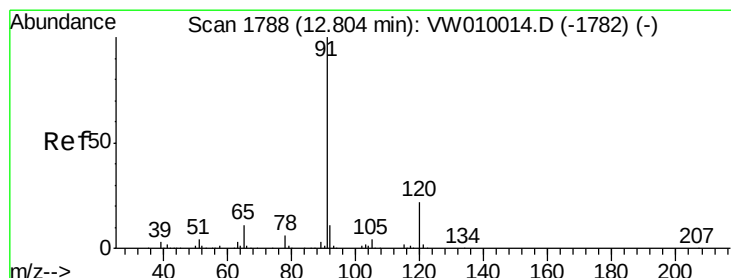
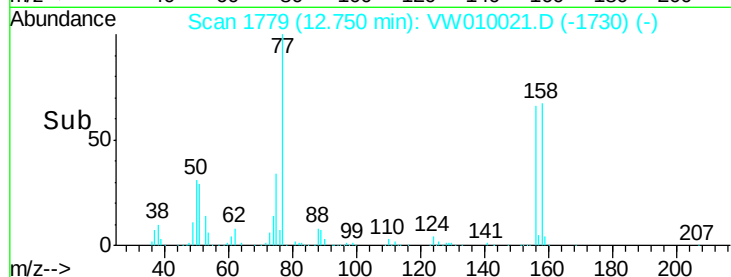
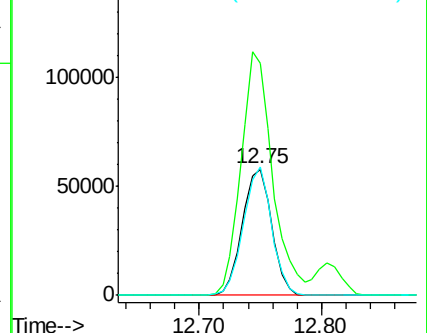
4/18/2019 11:40:43 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.534 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW010021.D

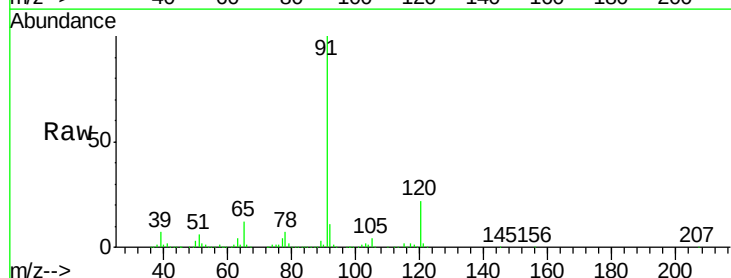
Acq: 17 Apr 2019 17:34

Tgt Ion: 91 Resp: 525970

Ion Ratio Lower Upper

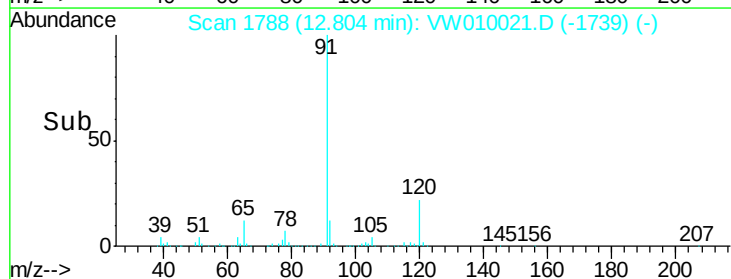
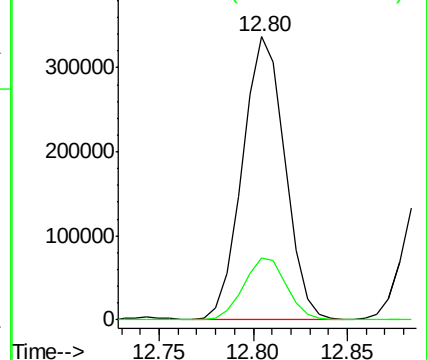
91 100

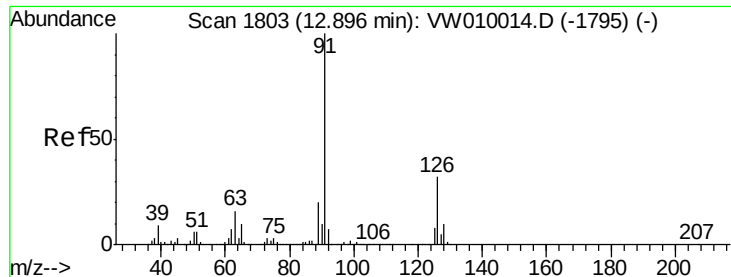
120 22.1 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.318 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW010021.D

Acq: 17 Apr 2019 17:34

Instrument :

MSVOA_W

ClientSampleId :

VW0417SBS01

Tot Ion: 91 Resp: 299314

Ion Ratio Lower Upper

91 100

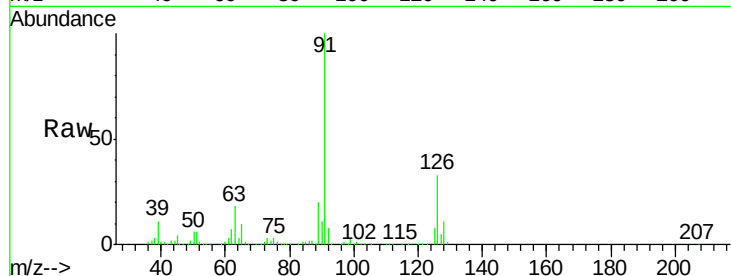
126 32.7 16.3 48.8

Manual Integrations

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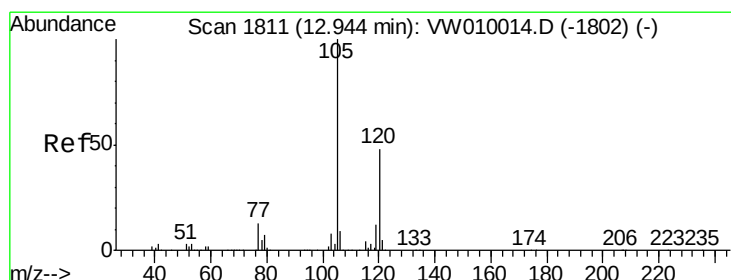
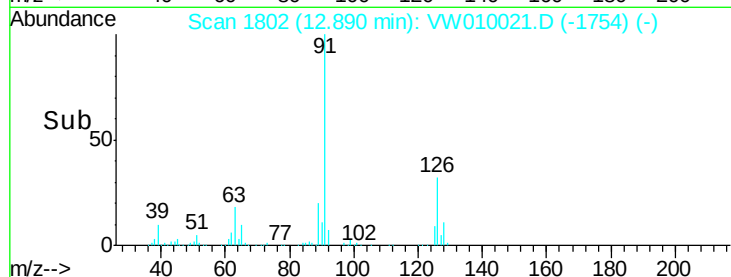
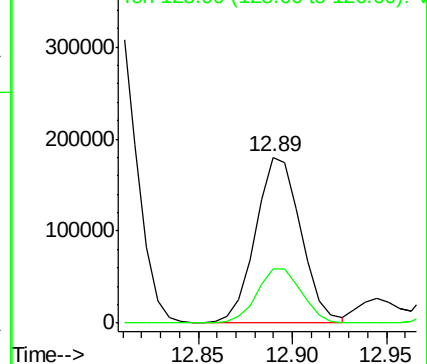
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.552 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW010021.D

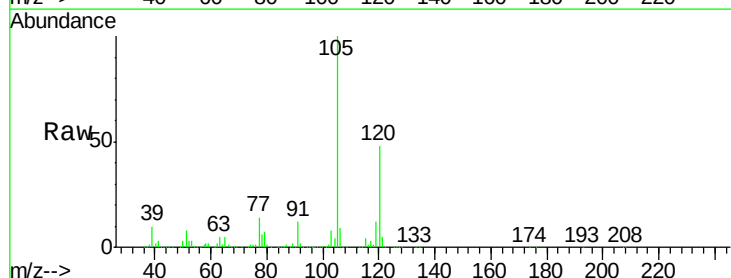
Acq: 17 Apr 2019 17:34

Tgt Ion:105 Resp: 360133

Ion Ratio Lower Upper

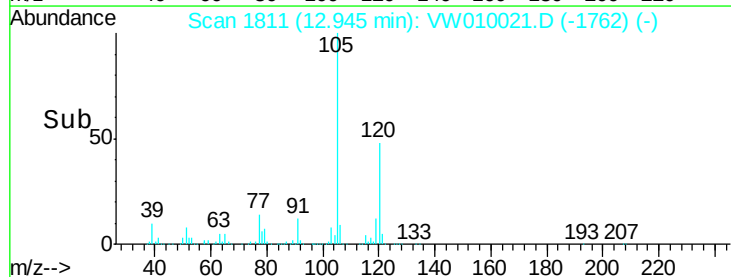
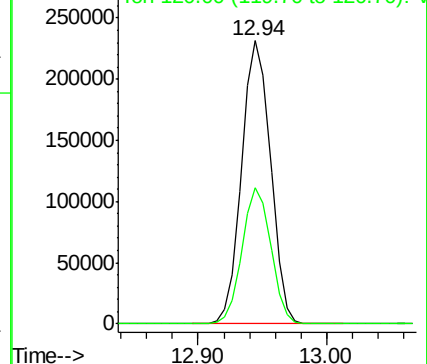
105 100

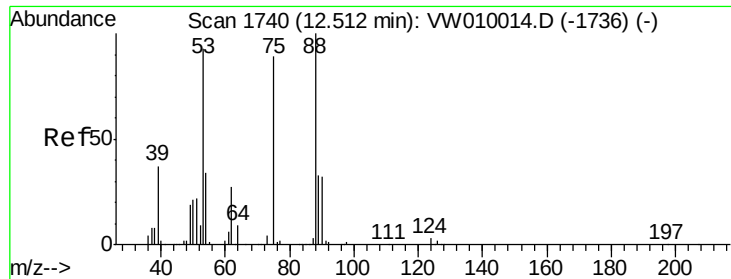
120 47.9 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.186 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW010021.D

Acq: 17 Apr 2019 17:34

Instrument :

MSVOA_W

ClientSampleId :

VW0417SBS01

Tot Ion: 75 Resp: 25443

Ion Ratio Lower Upper

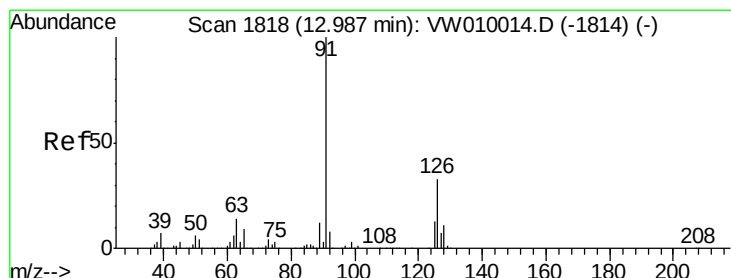
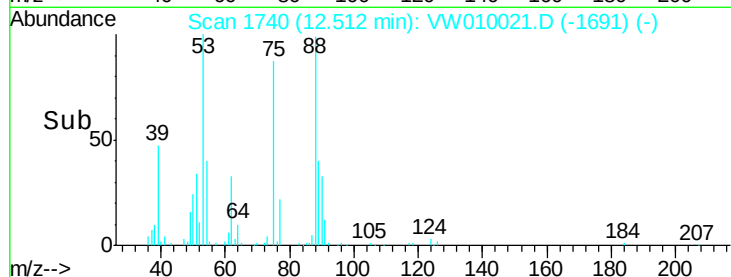
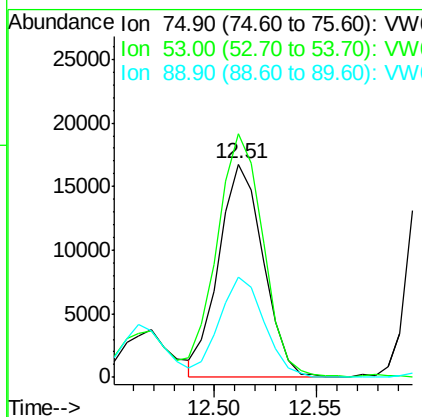
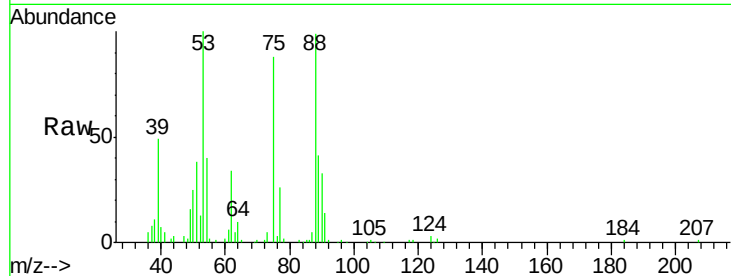
75 100

53 119.6 89.8 134.8

89 47.8 36.6 54.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.468 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW010021.D

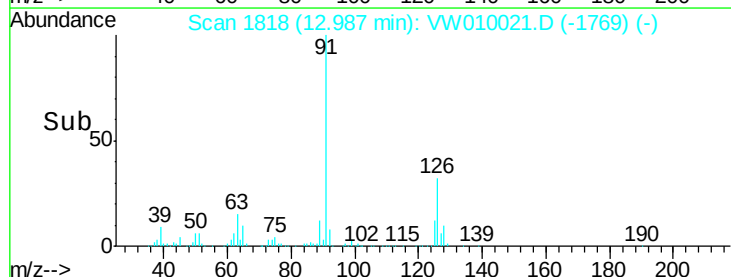
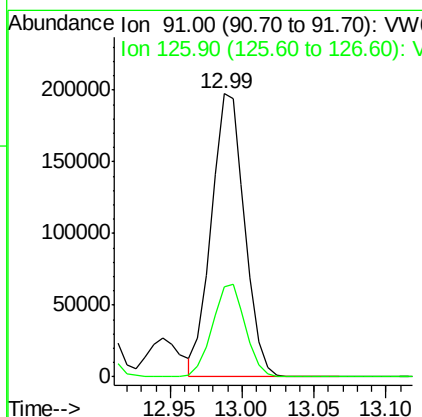
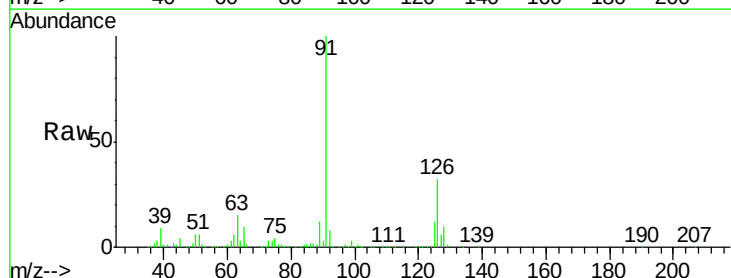
Acq: 17 Apr 2019 17:34

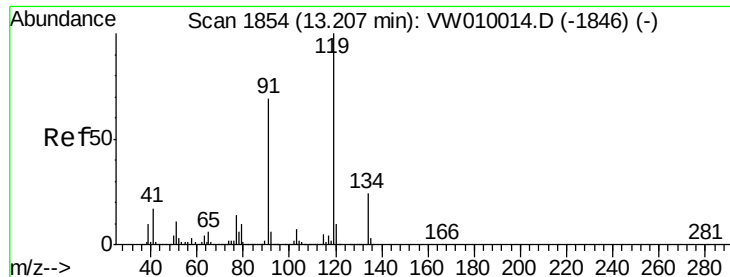
Tgt Ion: 91 Resp: 317346

Ion Ratio Lower Upper

91 100

126 32.8 16.4 49.1





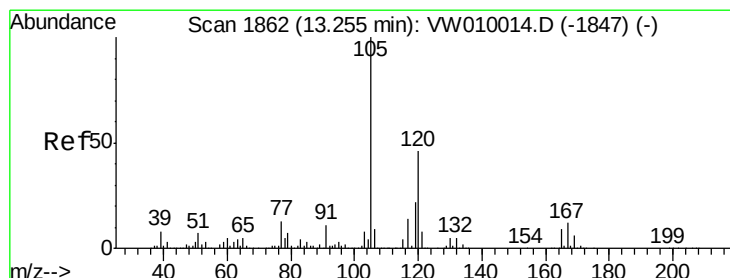
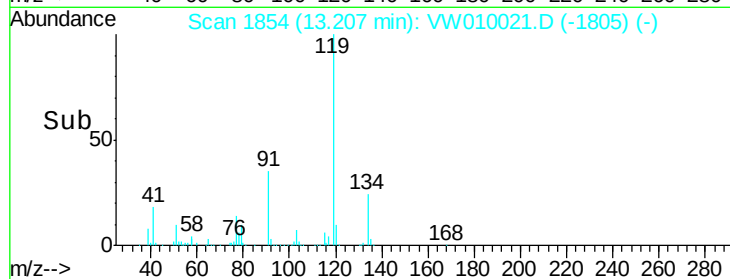
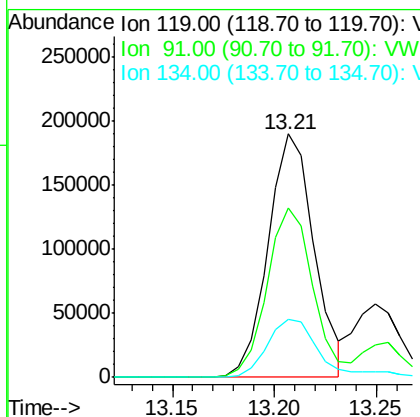
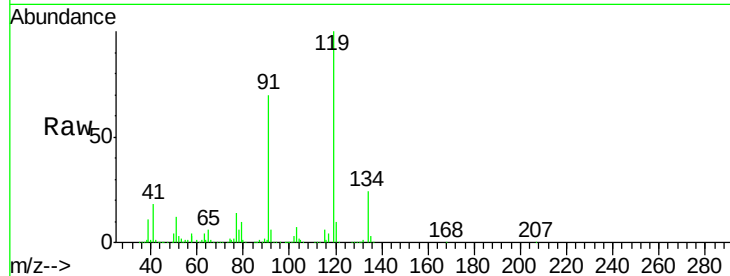
#83
 tert-Butylbenzene
 Concen: 20.616 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW010021.D
 Acq: 17 Apr 2019 17:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0417SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.1	34.8	104.4
134	27.3	13.7	41.1

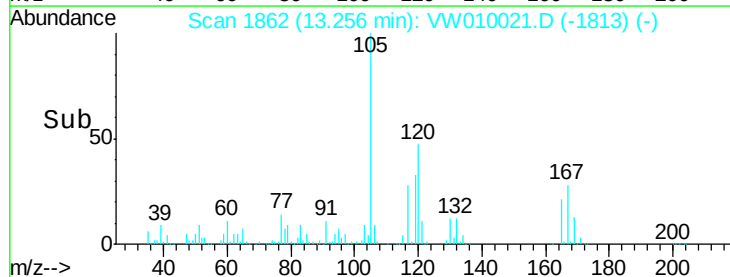
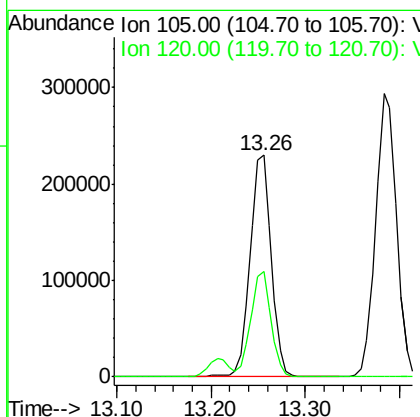
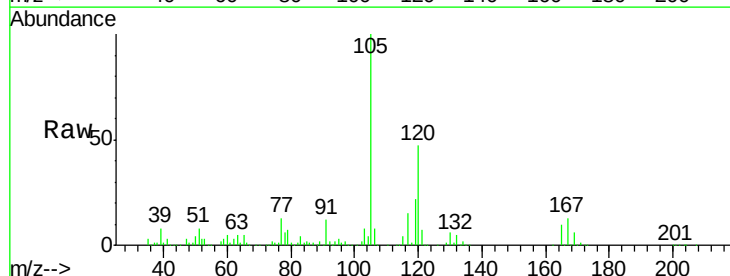
Manual Integrations
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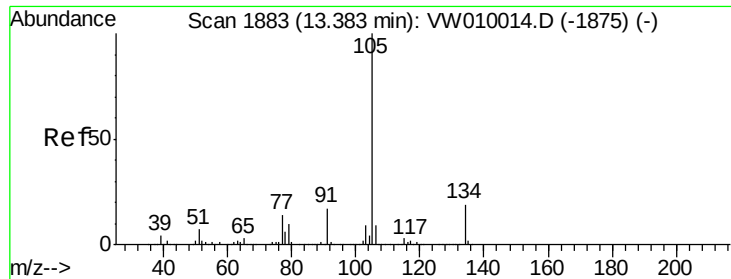
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.491 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW010021.D
 Acq: 17 Apr 2019 17:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	22.6	67.7





#85

sec-Butylbenzene

Concen: 20.739 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW010021.D

Acq: 17 Apr 2019 17:34

Instrument :

MSVOA_W

ClientSampleId :

VW0417SBS01

Tot Ion:105 Resp: 449742

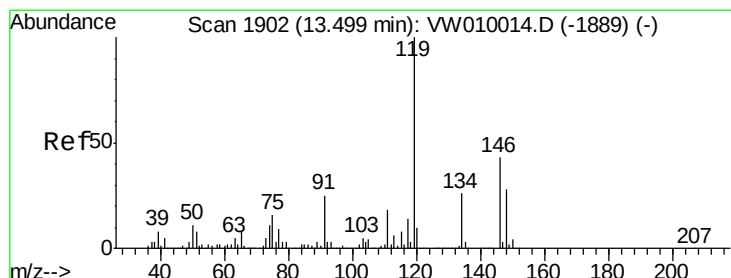
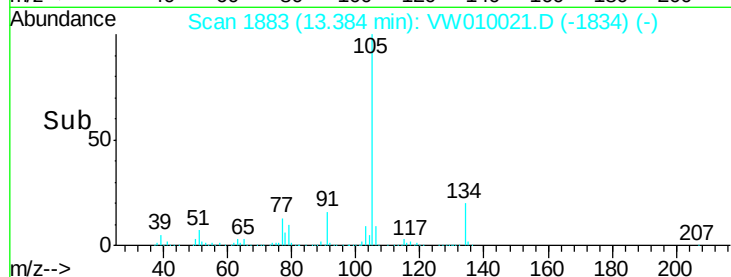
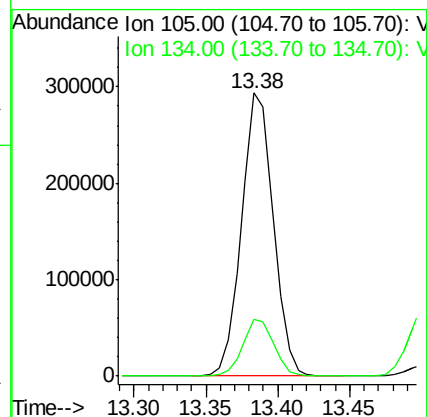
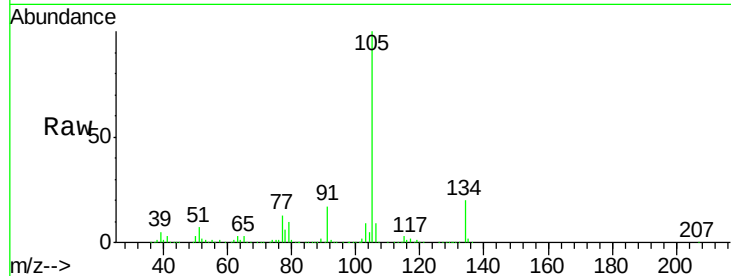
Ion Ratio Lower Upper

105 100

134 19.6 9.8 29.5

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 20.421 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010021.D

Acq: 17 Apr 2019 17:34

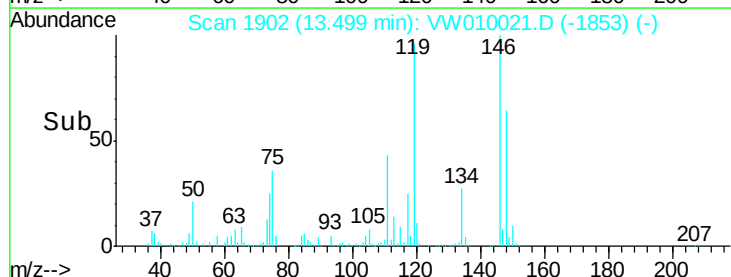
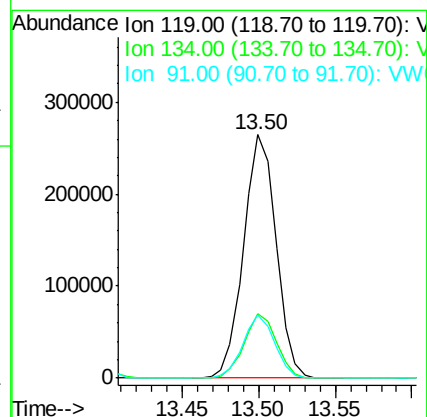
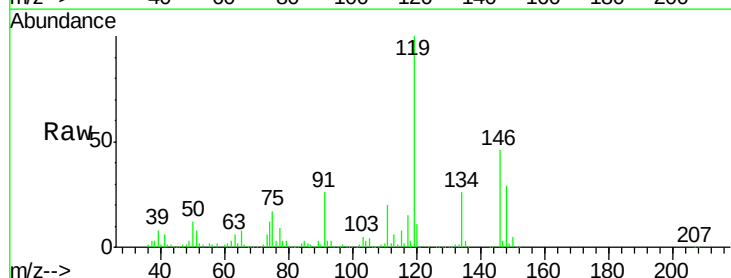
Tgt Ion:119 Resp: 390324

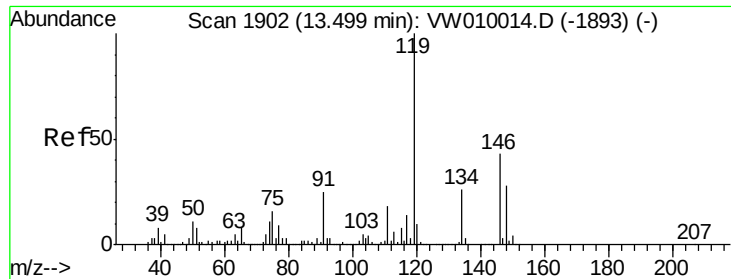
Ion Ratio Lower Upper

119 100

134 26.2 13.0 38.9

91 25.4 12.3 36.9





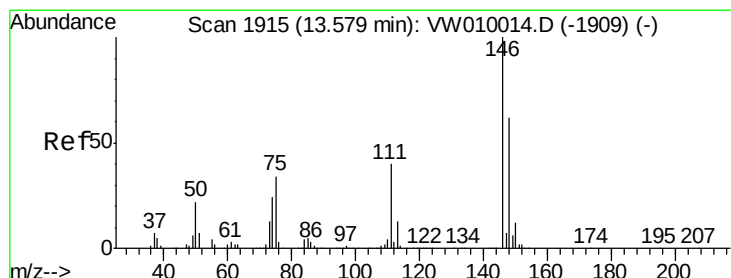
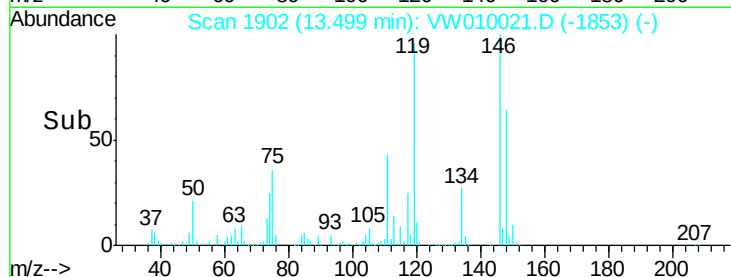
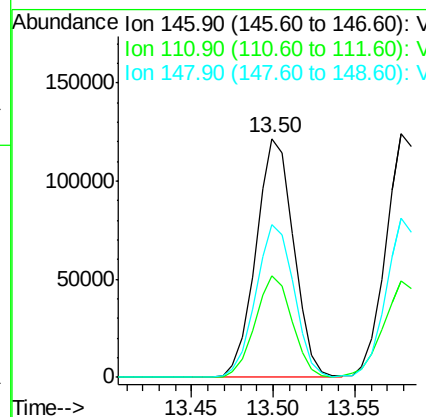
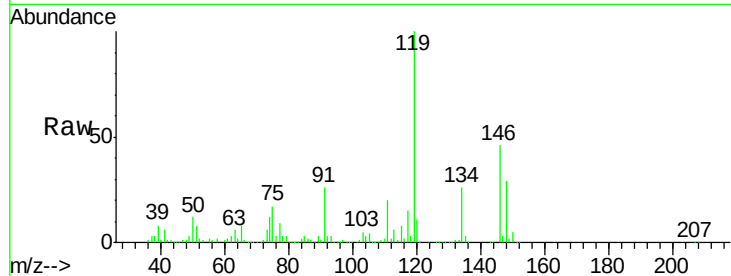
#87
 1,3-Dichlorobenzene
 Concen: 20.308 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010021.D
 Acq: 17 Apr 2019 17:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0417SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	195122		
111	42.0	20.3	61.0	
148	65.1	32.0	96.2	

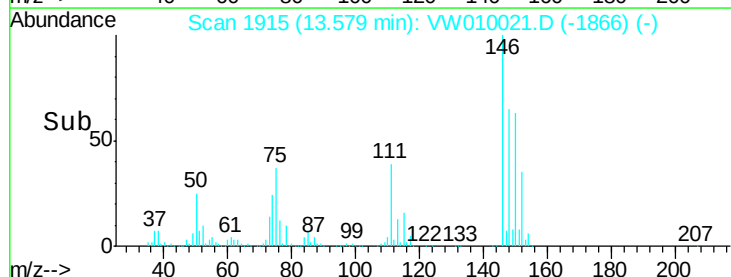
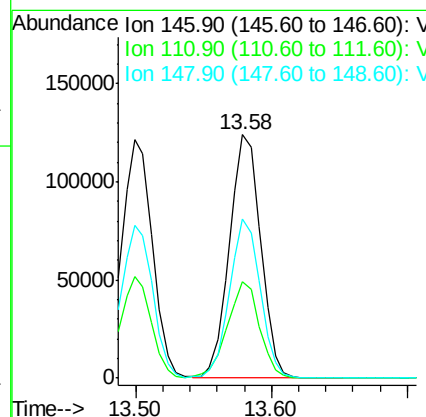
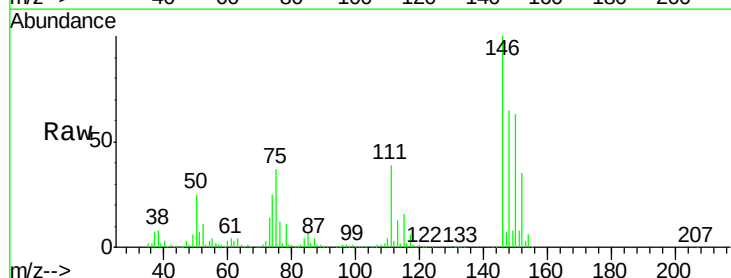
Manual Integrations
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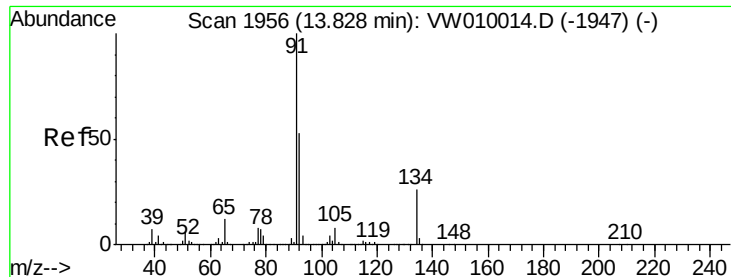
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 20.668 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW010021.D
 Acq: 17 Apr 2019 17:34

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	198218		
111	40.7	20.1	60.3	
148	64.3	31.8	95.3	





#89

n-Butylbenzene

Concen: 20.313 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW010021.D

Acq: 17 Apr 2019 17:34

Instrument :

MSVOA_W

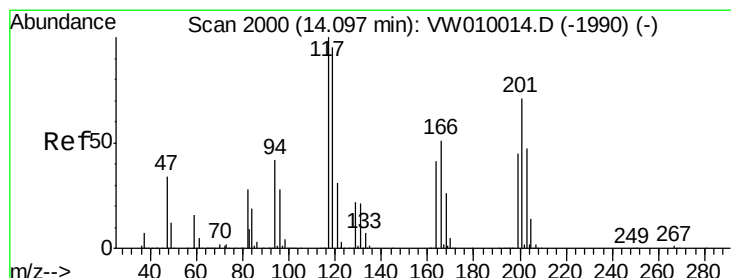
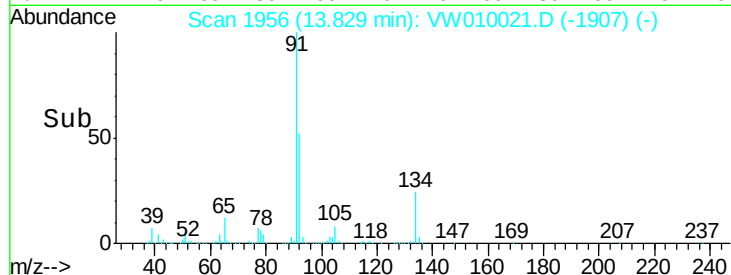
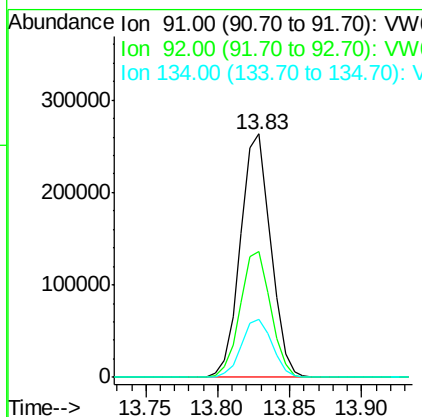
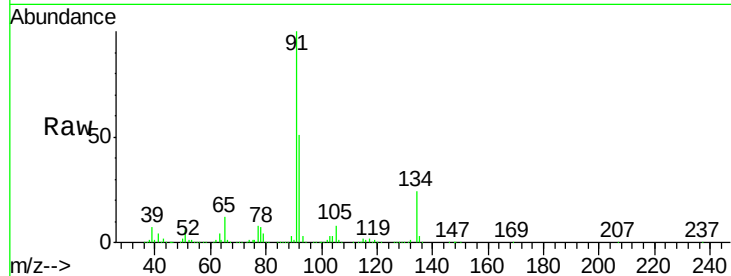
ClientSampleId :

VW0417SBS01

Tot Ion:	91	Resp:	384660
Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.5	79.4
134	24.3	12.4	37.0

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#90

Hexachloroethane

Concen: 19.659 ug/l

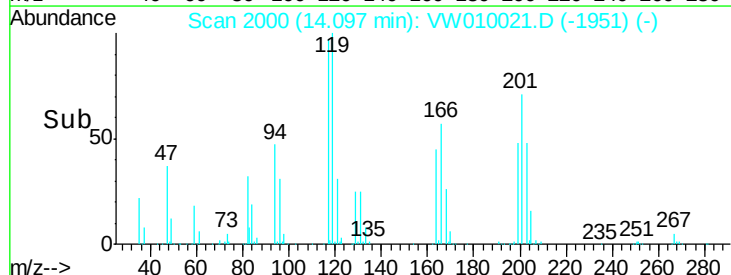
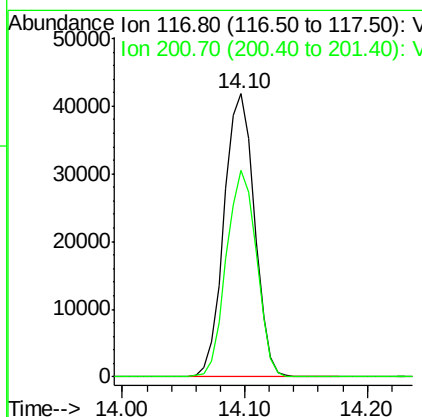
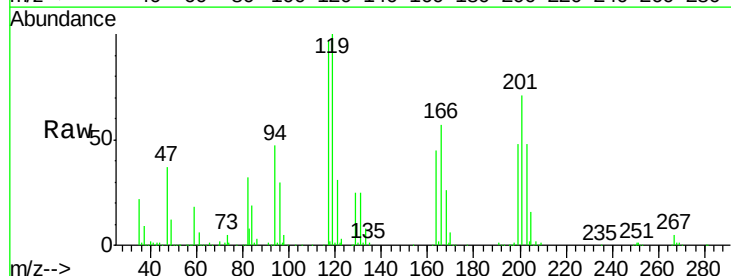
RT: 14.10 min Scan# 2000

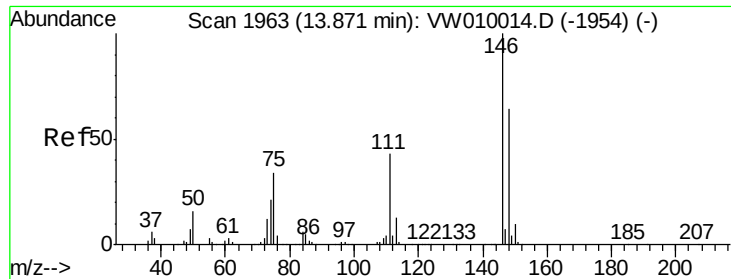
Delta R.T. 0.00 min

Lab File: VW010021.D

Acq: 17 Apr 2019 17:34

Tgt Ion:	117	Resp:	71968
Ion	Ratio	Lower	Upper
117	100		
201	72.2	36.1	108.3





#91

1,2-Dichlorobenzene

Concen: 20.782 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW010021.D

Acq: 17 Apr 2019 17:34

Instrument :

MSVOA_W

ClientSampleId :

VW0417SBS01

Tot Ion:146 Resp: 179038

Ion Ratio Lower Upper

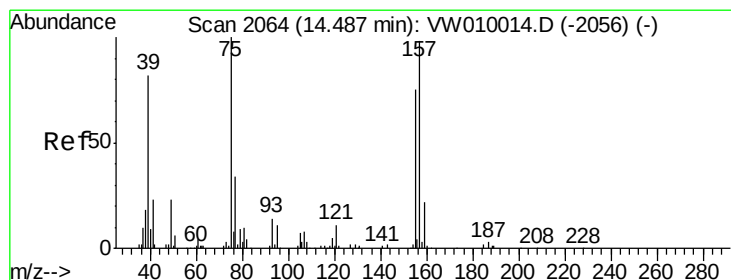
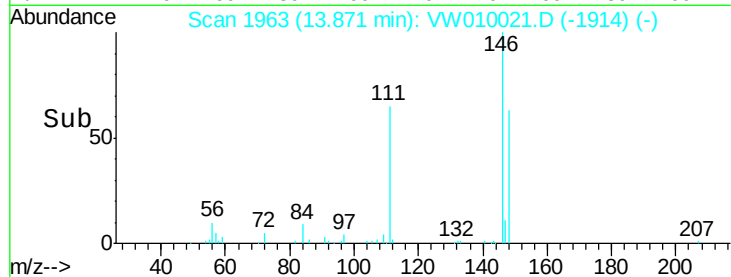
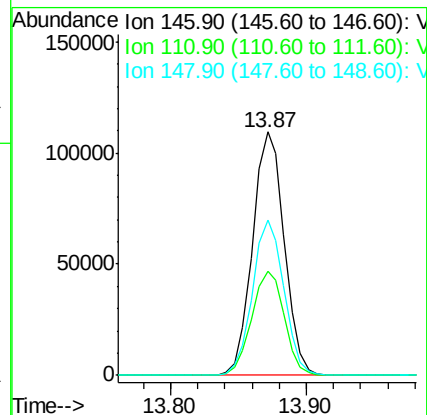
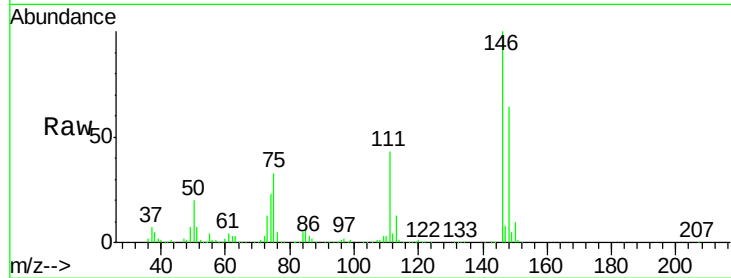
146 100

111 44.1 20.9 62.8

148 63.3 31.9 95.7

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 20.694 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW010021.D

Acq: 17 Apr 2019 17:34

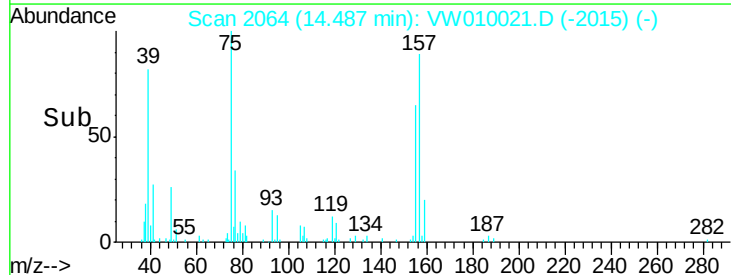
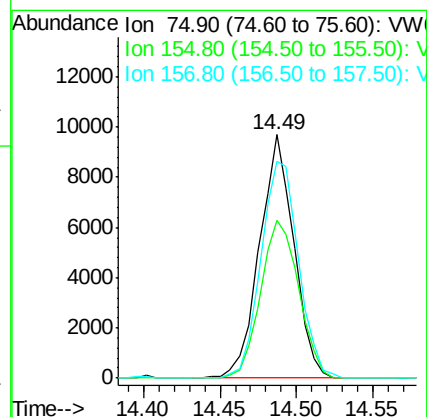
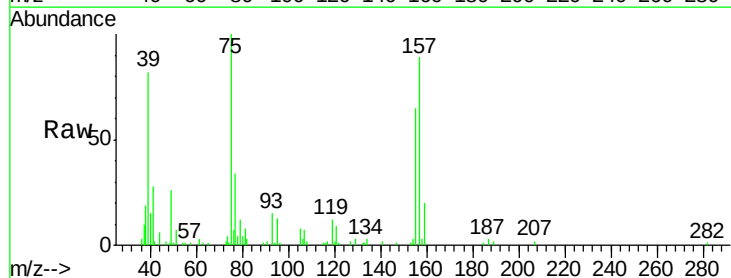
Tgt Ion: 75 Resp: 15121

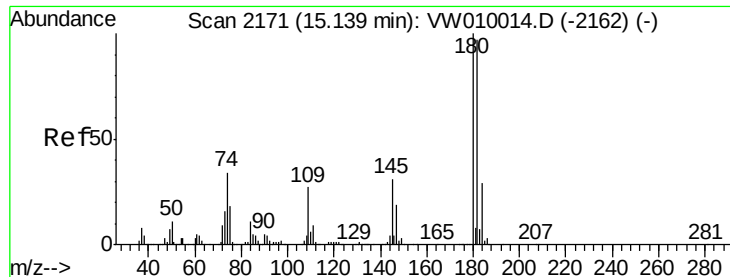
Ion Ratio Lower Upper

75 100

155 71.5 37.1 111.5

157 97.5 47.3 141.9





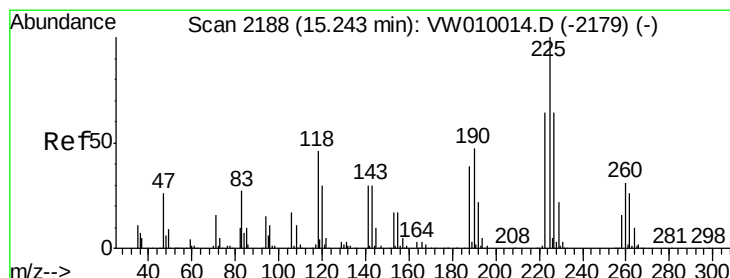
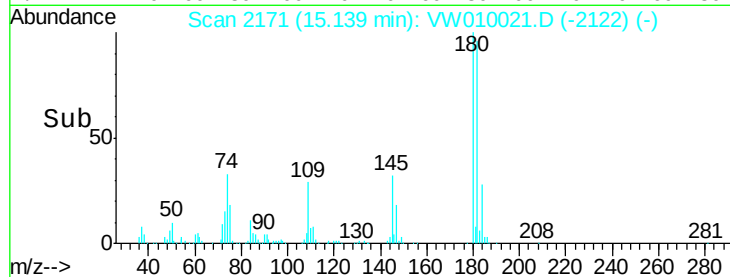
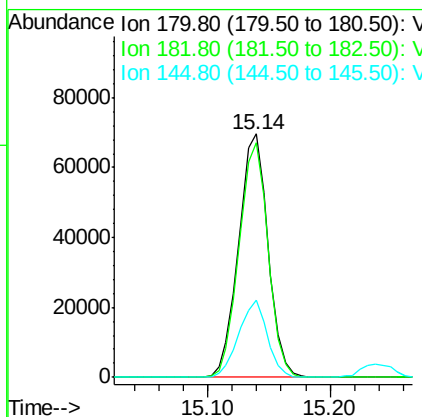
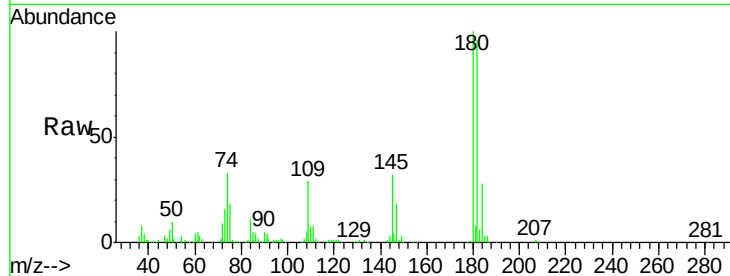
#93
 1,2,4-Trichlorobenzene
 Concen: 20.402 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010021.D
 Acq: 17 Apr 2019 17:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0417SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	115957		
182	95.1	47.1	141.4	
145	30.7	15.2	45.6	

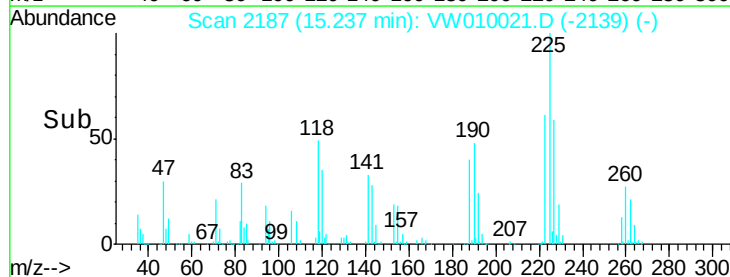
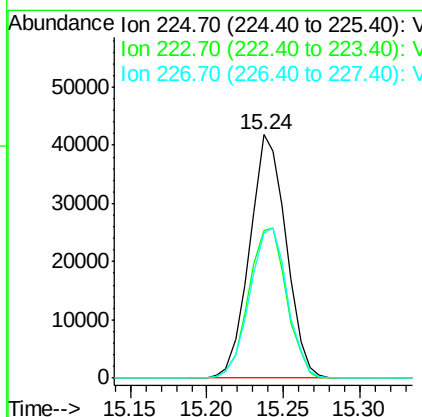
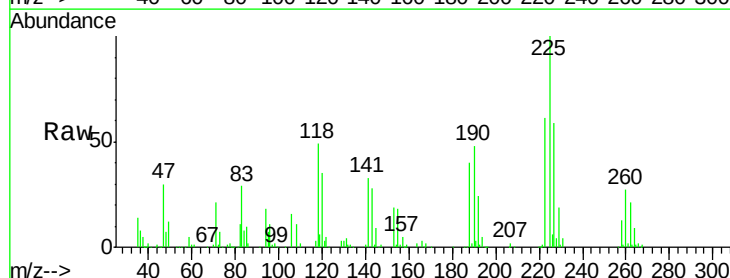
Manual Integrations
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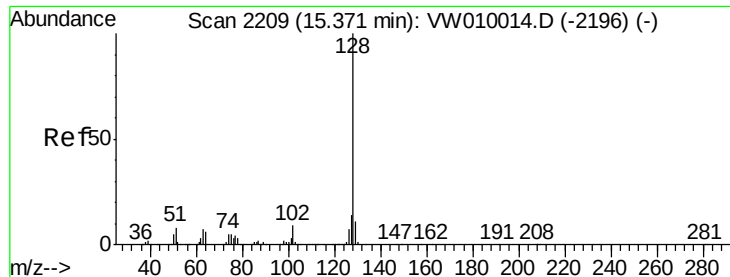
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 4/18/2019 11:40:43 AM



#94
 Hexachlorobutadiene
 Concen: 20.095 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW010021.D
 Acq: 17 Apr 2019 17:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	69355		
223	64.0	31.9	95.5	
227	63.7	31.8	95.3	





#95

Naphthalene

Concen: 20.624 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW010021.D

Acq: 17 Apr 2019 17:34

Instrument :

MSVOA_W

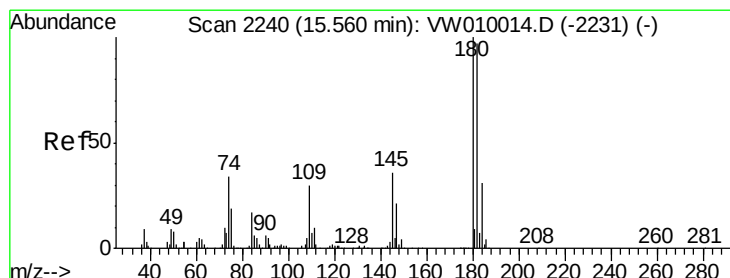
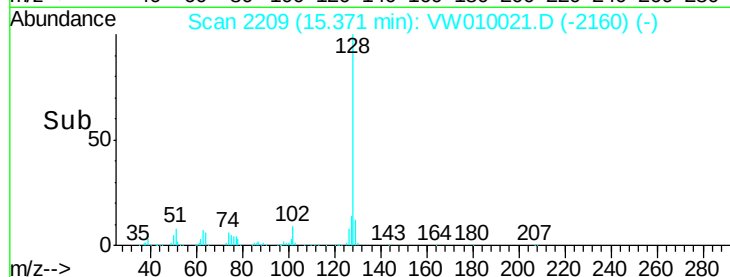
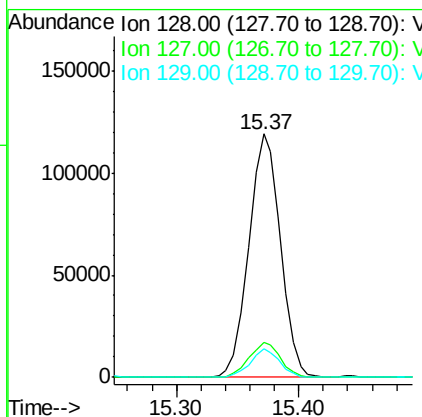
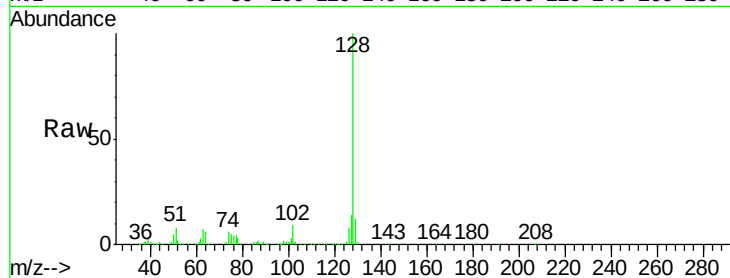
ClientSampleId :

VW0417SBS01

Tot Ion:	128	Resp:	214241
Ion Ratio	Lower	Upper	
128	100		
127	14.3	10.6	15.8
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
4/18/2019 11:40:43 AM



#96

1,2,3-Trichlorobenzene

Concen: 21.234 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW010021.D

Acq: 17 Apr 2019 17:34

Tgt Ion:	180	Resp:	104703
Ion Ratio	Lower	Upper	
180	100		
182	96.0	47.8	143.3
145	33.6	16.4	49.2

