

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031119\
 Data File : VW009080.D
 Acq On : 11 Mar 2019 12:22
 Operator : SY/VA
 Sample : VW0311SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0311SBSD01

Manual Integrations
 APPROVED

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 3/12/2019 1:15:46 PM

Quant Time: Mar 12 08:35:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	288988	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	415283	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	406718	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	231604	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	143601	49.39	ug/l	0.00
Spiked Amount			Recovery	=	98.78%	
35) Dibromofluoromethane	7.88	113	122412	48.96	ug/l	0.00
Spiked Amount			Recovery	=	97.92%	
50) Toluene-d8	10.32	98	501473	48.83	ug/l	0.00
Spiked Amount			Recovery	=	97.66%	
62) 4-Bromofluorobenzene	12.62	95	187833	46.46	ug/l	0.00
Spiked Amount			Recovery	=	92.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	66623	22.875	ug/l	99
3) Chloromethane	2.21	50	76338	20.633	ug/l	96
4) Vinyl Chloride	2.35	62	79544	21.185	ug/l	96
5) Bromomethane	2.75	94	62661	19.770	ug/l	99
6) Chloroethane	2.90	64	52472	19.630	ug/l	100
7) Trichlorofluoromethane	3.25	101	101563	21.008	ug/l	91
8) Diethyl Ether	3.68	74	29770	20.139	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.06	101	62474	20.749	ug/l	100
10) Methyl Iodide	4.26	142	53124	18.416	ug/l	99
11) Tert butyl alcohol	5.17	59	24293	109.034	ug/l	99
12) 1,1-Dichloroethene	4.03	96	54511	20.988	ug/l	96
13) Acrolein	3.90	56	21949	89.524	ug/l	98
14) Allyl chloride	4.67	41	89217	19.474	ug/l	100
15) Acrylonitrile	5.37	53	63432	98.320	ug/l	99
16) Acetone	4.12	43	64582	98.433	ug/l	95
17) Carbon Disulfide	4.37	76	179103	20.496	ug/l	99
18) Methyl Acetate	4.67	43	27923	18.508	ug/l	94
19) Methyl tert-butyl Ether	5.43	73	133271	19.398	ug/l	97
20) Methylene Chloride	4.92	84	68429	18.783	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	60995	20.339	ug/l	99
22) Diisopropyl ether	6.31	45	179713	19.739	ug/l	98
23) Vinyl Acetate	6.26	43	558457	98.570	ug/l	96
24) 1,1-Dichloroethane	6.22	63	103467	19.593	ug/l	97
25) 2-Butanone	7.17	43	88142	97.207	ug/l	96
26) 2,2-Dichloropropane	7.17	77	100094	20.853	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	62798	19.498	ug/l	99
28) Bromochloromethane	7.51	49	46227	21.046	ug/l	92
29) Tetrahydrofuran	7.53	42	55287	96.756	ug/l	98
30) Chloroform	7.68	83	108711	19.995	ug/l	93
31) Cyclohexane	7.95	56	106726	19.683	ug/l	92
32) 1,1,1-Trichloroethane	7.87	97	101784	20.286	ug/l	99
36) 1,1-Dichloropropene	8.08	75	88796	20.449	ug/l	98
37) Ethyl Acetate	7.25	43	40568	19.890	ug/l	97
38) Carbon Tetrachloride	8.07	117	92379	20.600	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	101526	19.630	ug/l	98
40) Benzene	8.32	78	231061	19.934	ug/l	98
41) Methacrylonitrile	7.49	41	24664	21.776	ug/l	88
42) 1,2-Dichloroethane	8.40	62	74942	20.026	ug/l	99
43) Isopropyl Acetate	8.43	43	72614	19.115	ug/l	99
44) Trichloroethene	9.09	130	64672	19.906	ug/l	98
45) 1,2-Dichloropropane	9.37	63	57956	19.963	ug/l	91
46) Dibromomethane	9.46	93	31239	19.703	ug/l	99
47) Bromodichloromethane	9.64	83	81145	20.218	ug/l	97
48) Methyl methacrylate	9.43	41	31487	17.801	ug/l	87
49) 1,4-Dioxane	9.45	88	9235	406.749	ug/l #	92
51) 4-Methyl-2-Pentanone	10.21	43	185195	96.031	ug/l	100
52) Toluene	10.39	92	156495	19.907	ug/l	95
53) t-1,3-Dichloropropene	10.60	75	79302	19.978	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	91211	19.995	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	43515	20.249	ug/l	97
56) Ethyl methacrylate	10.65	69	50308	18.863	ug/l	98
57) 1,3-Dichloropropane	10.93	76	74210	19.493	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	136874	98.995	ug/l	99
59) 2-Hexanone	10.97	43	134200	98.975	ug/l	100
60) Dibromochloromethane	11.13	129	52421	19.711	ug/l	96
61) 1,2-Dibromoethane	11.23	107	41119	19.518	ug/l	99
64) Tetrachloroethene	10.86	164	57389	19.566	ug/l	97
65) Chlorobenzene	11.66	112	170434	19.252	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	57435	19.431	ug/l	99
67) Ethyl Benzene	11.73	91	308622	19.298	ug/l	96
68) m/p-Xylenes	11.84	106	248313	39.336	ug/l	98
69) o-Xylene	12.17	106	111827	19.039	ug/l	100
70) Styrene	12.18	104	181406	19.089	ug/l	98
71) Bromoform	12.35	173	31315	19.731	ug/l #	99
73) Isopropylbenzene	12.47	105	313580	18.907	ug/l	99
74) N-amyl acetate	12.27	43	73220	18.649	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	49900	19.073	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	35154m	19.211	ug/l	
77) Bromobenzene	12.75	156	73520	19.401	ug/l	95
78) n-propylbenzene	12.80	91	395103	19.340	ug/l	100
79) 2-Chlorotoluene	12.90	91	216195	18.836	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	276035	19.308	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	15667	19.151	ug/l	97
82) 4-Chlorotoluene	12.99	91	234240	19.145	ug/l	98
83) tert-Butylbenzene	13.21	119	231650	19.212	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	278878	19.284	ug/l	99
85) sec-Butylbenzene	13.38	105	345766	19.355	ug/l	100
86) p-Isopropyltoluene	13.50	119	306247	19.163	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	152527	19.152	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	153362	19.486	ug/l	99
89) n-Butylbenzene	13.83	91	296616	19.524	ug/l	100
90) Hexachloroethane	14.10	117	53589	19.443	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	136269	19.393	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8804	18.894	ug/l	98

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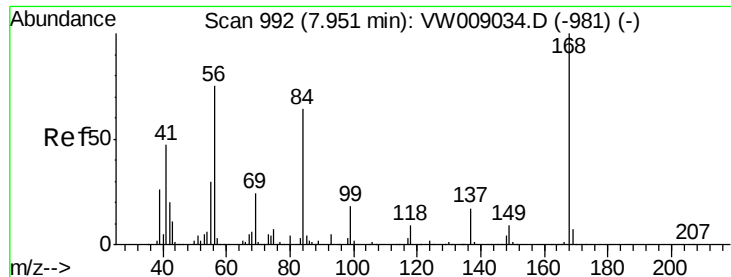
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QLast Update : Fri Mar 08 05:22:30 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	93864	19.780	ug/l	99
94) Hexachlorobutadiene	15.24	225	59740	20.099	ug/l	99
95) Naphthalene	15.37	128	143657	18.494	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	80093	19.194	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW009080.D

Acq: 11 Mar 2019 12:22

Instrument :

MSVOA_W

ClientSampleId :

VW0311SBSD01

Tot Ion:168 Resp: 288988

Ion Ratio Lower Upper

168 100

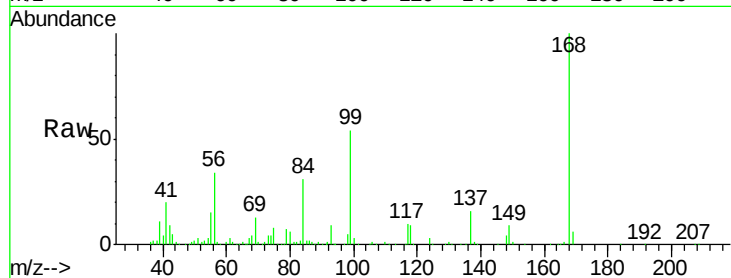
99 54.4 42.2 63.2

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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

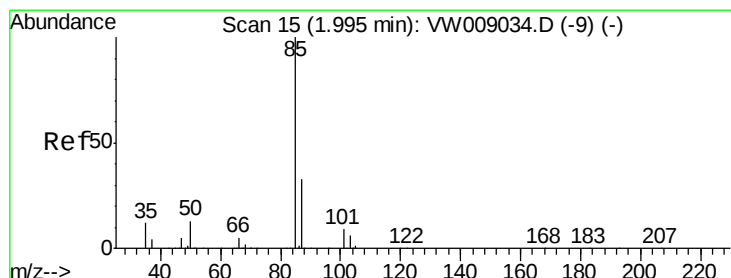
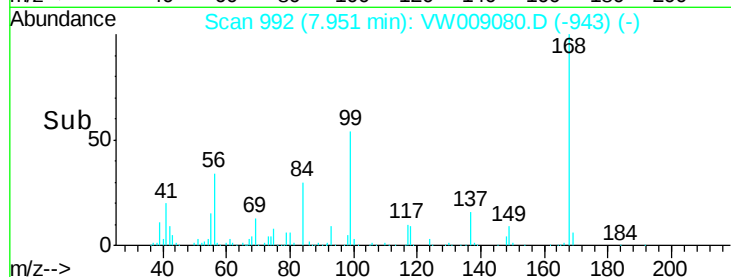
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 22.875 ug/l

RT: 2.00 min Scan# 15

Delta R.T. 0.00 min

Lab File: VW009080.D

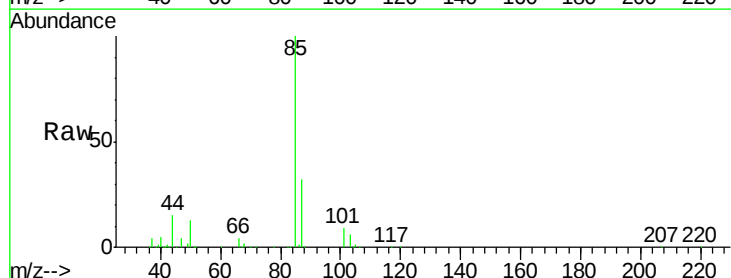
Acq: 11 Mar 2019 12:22

Tgt Ion: 85 Resp: 66623

Ion Ratio Lower Upper

85 100

87 31.9 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

50000

40000

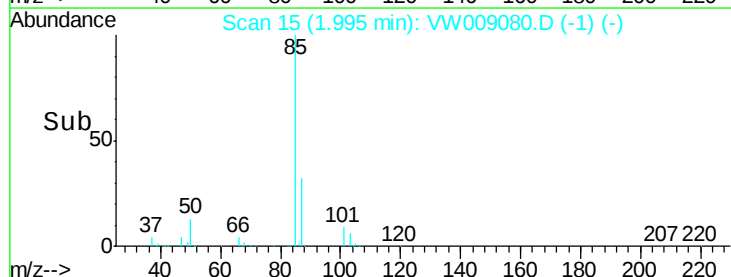
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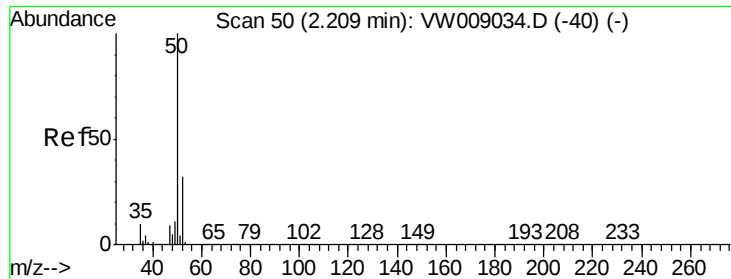
20000

10000

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Time-->





#3

Chloromethane

Concen: 20.633 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW009080.D

Acq: 11 Mar 2019 12:22

Instrument :

MSVOA_W

ClientSampleId :

VW0311SBSD01

Tot Ion: 50 Resp: 76338

Ion Ratio Lower Upper

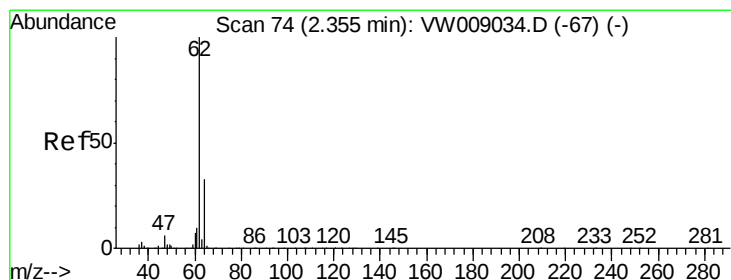
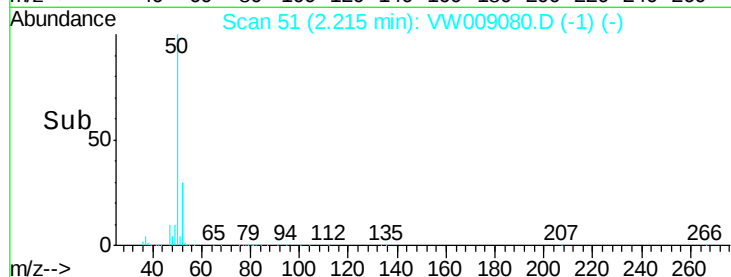
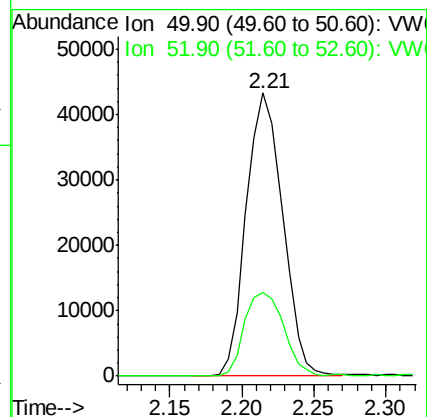
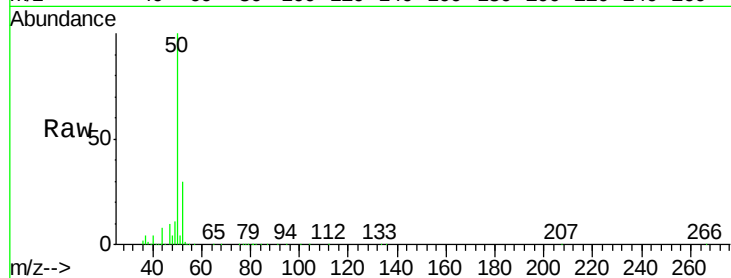
50 100

52 29.7 25.4 38.2

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#4

Vinyl Chloride

Concen: 21.185 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW009080.D

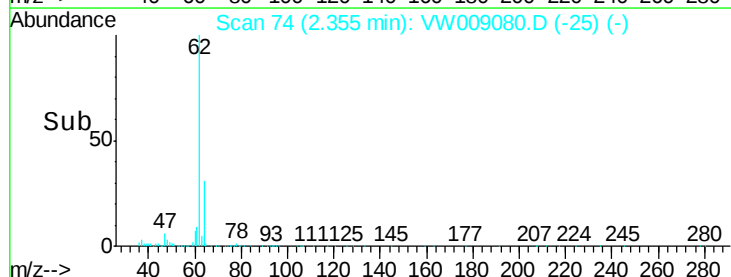
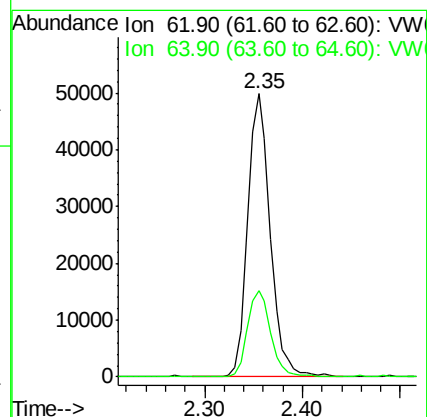
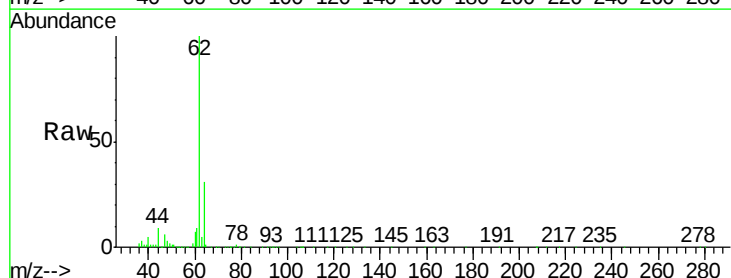
Acq: 11 Mar 2019 12:22

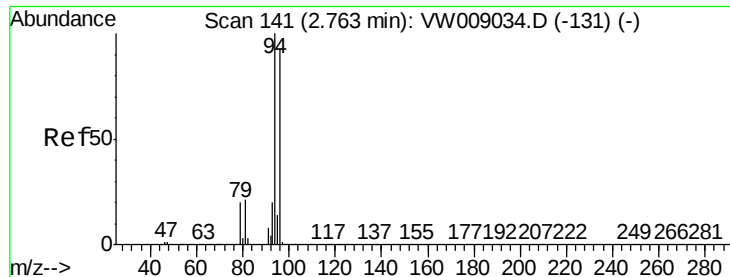
Tgt Ion: 62 Resp: 79544

Ion Ratio Lower Upper

62 100

64 30.5 26.0 39.0





#5

Bromomethane

Concen: 19.770 ug/l

RT: 2.75 min Scan# 138

Delta R.T. -0.02 min

Lab File: VW009080.D

Acq: 11 Mar 2019 12:22

Instrument :

MSVOA_W

ClientSampleId :

VW0311SBSD01

Tot Ion: 94 Resp: 62661

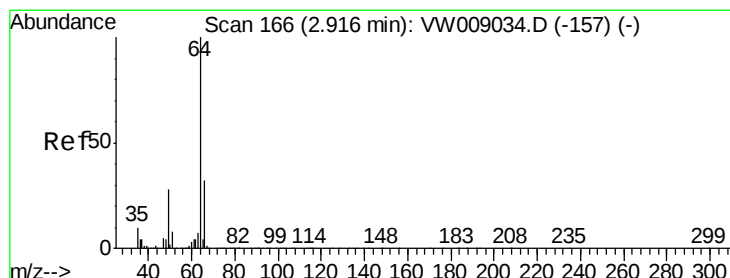
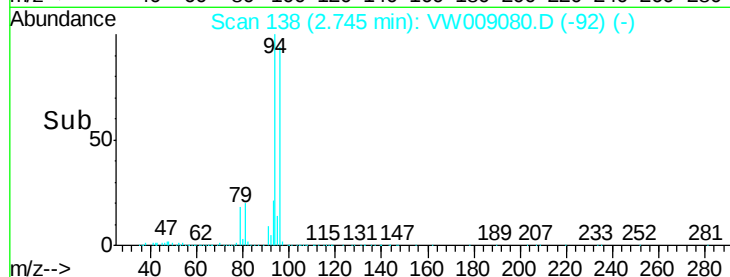
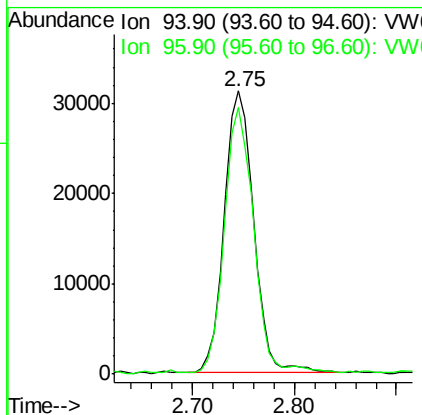
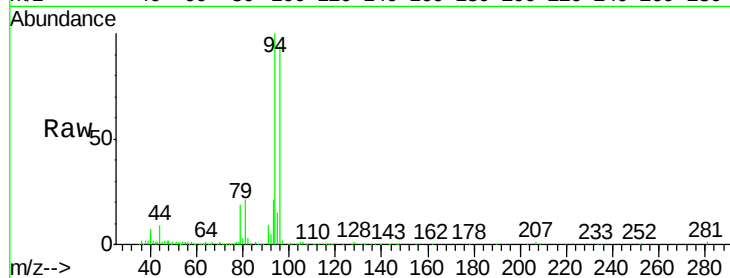
Ion Ratio Lower Upper

94 100

96 94.0 74.4 111.6

Manual Integrations
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#6

Chloroethane

Concen: 19.630 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW009080.D

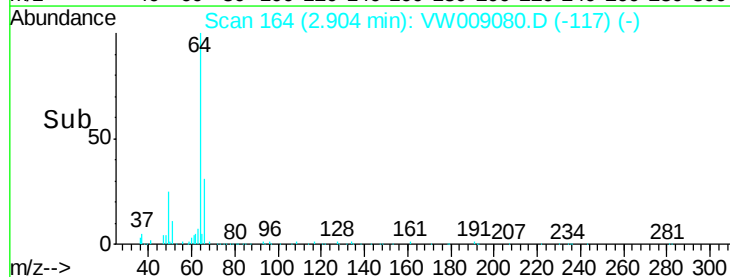
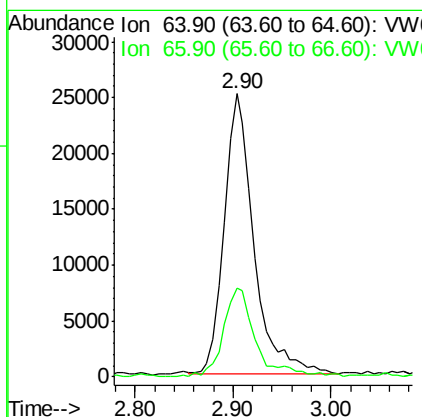
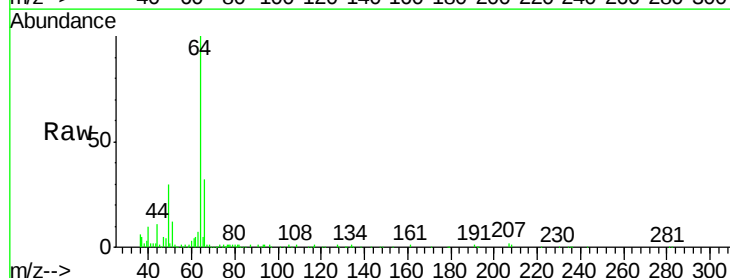
Acq: 11 Mar 2019 12:22

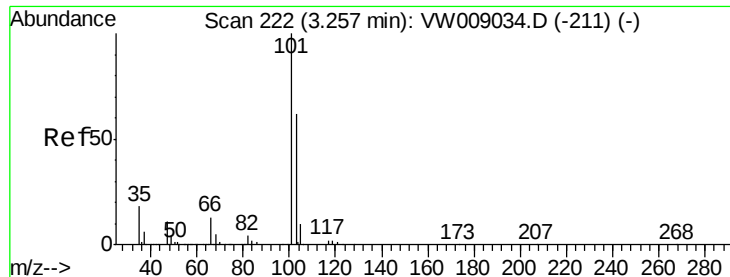
Tgt Ion: 64 Resp: 52472

Ion Ratio Lower Upper

64 100

66 31.7 25.5 38.3





#7

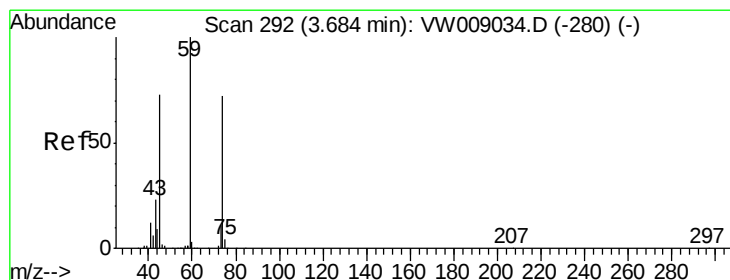
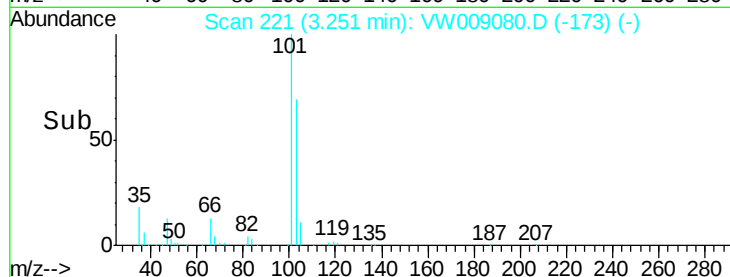
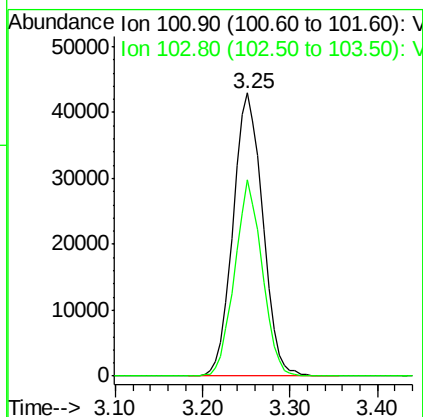
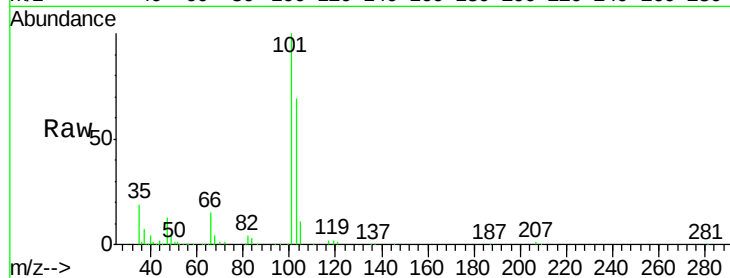
Trichlorofluoromethane
Concen: 21.008 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW009080.D
Acq: 11 Mar 2019 12:22

Instrument :
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ClientSampleId :
VW0311SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	69.3	49.9	74.9

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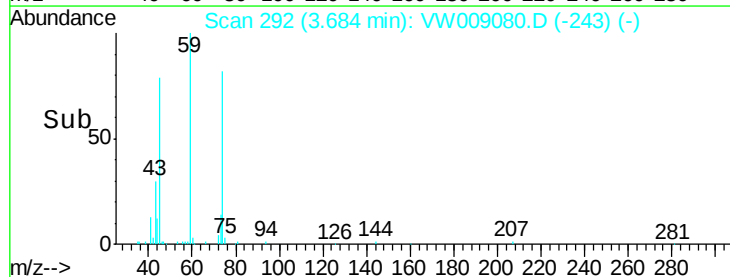
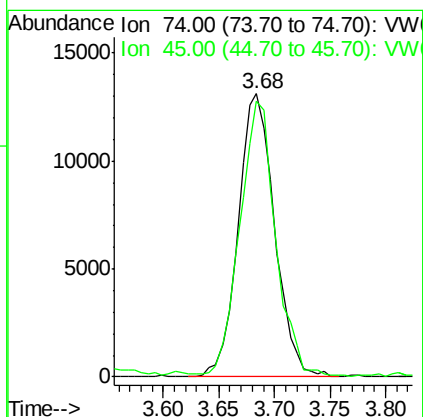
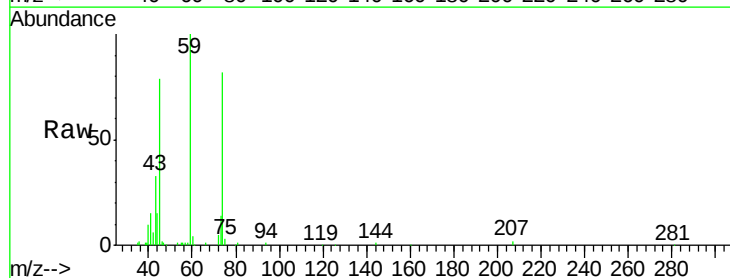
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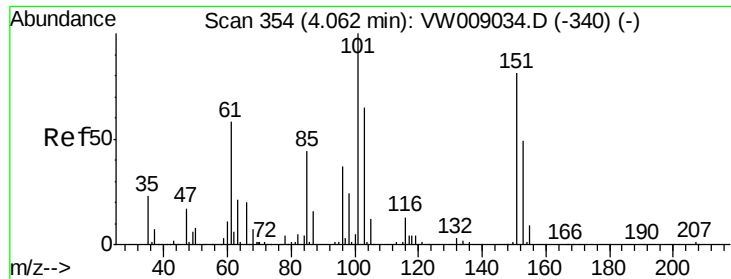


#8

Diethyl Ether
Concen: 20.139 ug/l
RT: 3.68 min Scan# 292
Delta R.T. 0.00 min
Lab File: VW009080.D
Acq: 11 Mar 2019 12:22

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.7	52.3	157.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.749 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW009080.D

Acq: 11 Mar 2019 12:22

Instrument :

MSVOA_W

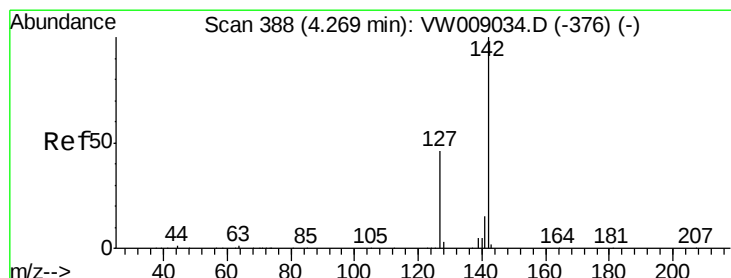
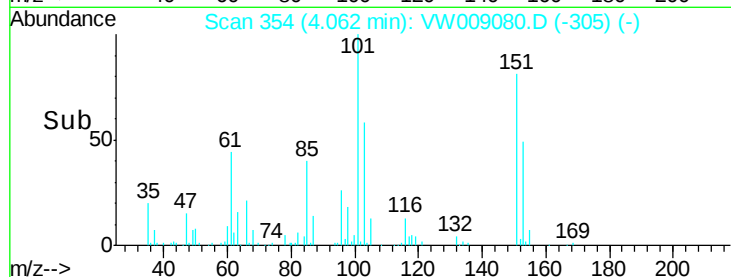
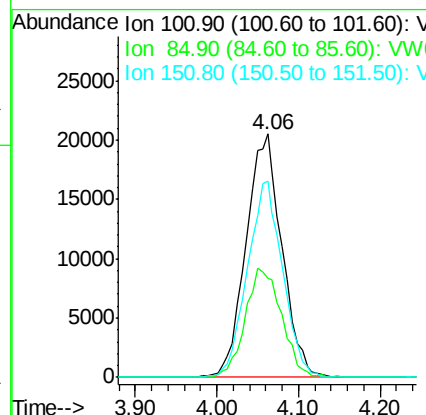
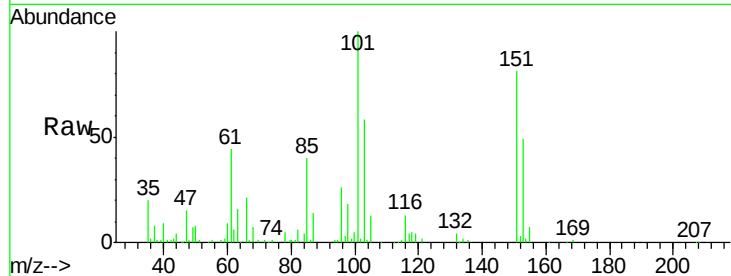
ClientSampleId :

VW0311SBSD01

Tot Ion:	101	Resp:	62474
Ion Ratio	Lower	Upper	
101	100		
85	45.5	36.2	54.4
151	79.3	63.4	95.2

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#10

Methyl Iodide

Concen: 18.416 ug/l

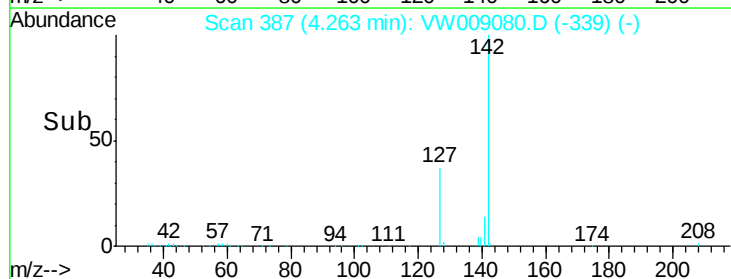
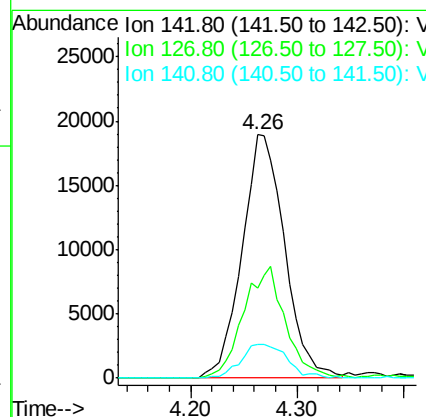
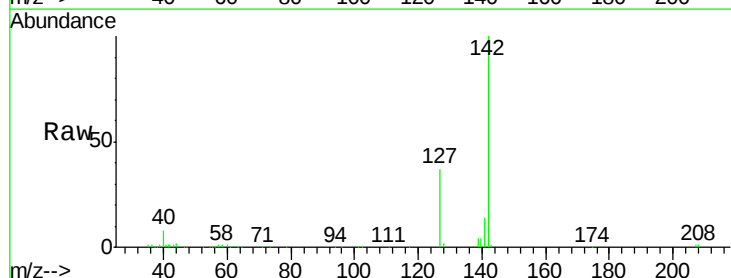
RT: 4.26 min Scan# 387

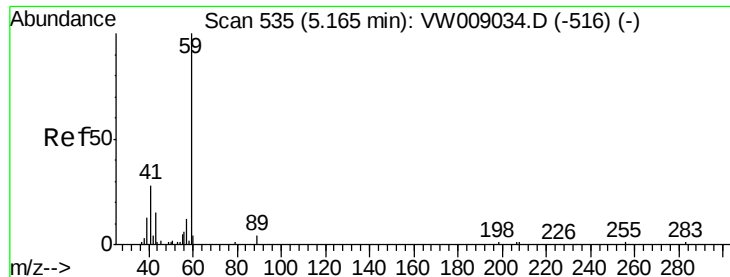
Delta R.T. -0.01 min

Lab File: VW009080.D

Acq: 11 Mar 2019 12:22

Tgt Ion:	142	Resp:	53124
Ion Ratio	Lower	Upper	
142	100		
127	45.0	35.8	53.6
141	15.2	11.8	17.8





#11

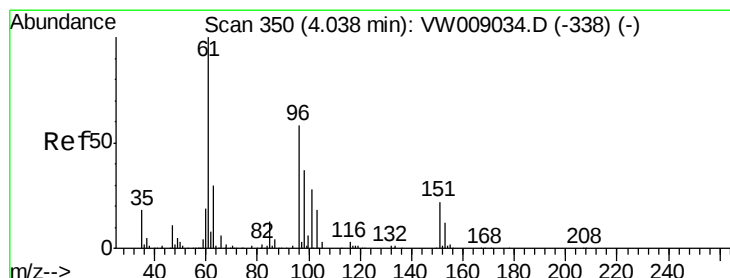
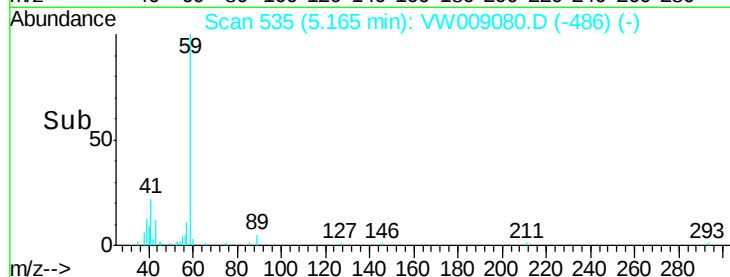
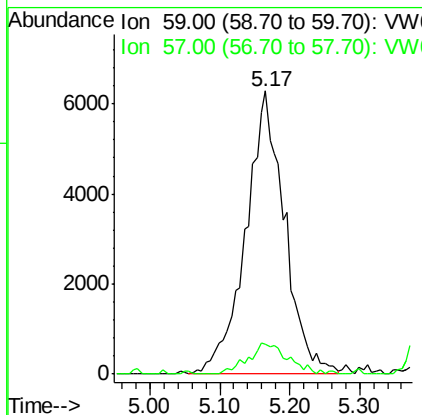
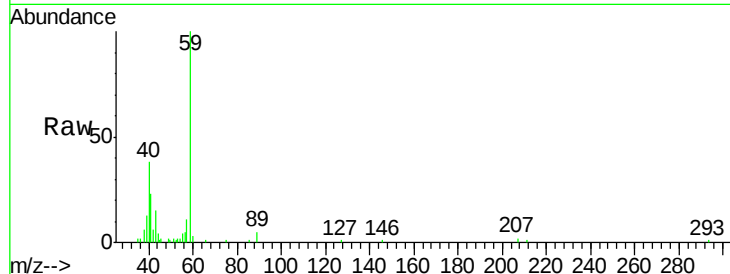
Tert butyl alcohol
 Concen: 109.034 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. 0.00 min
 Lab File: VW009080.D
 Acq: 11 Mar 2019 12:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0311SBSD01

Tot Ion	59	Resp	24293
Ion Ratio	100	Lower	Upper
57	11.1	8.6	12.8

Manual Integrations
 APPROVED

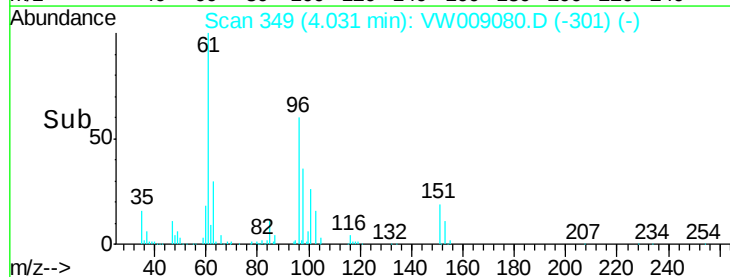
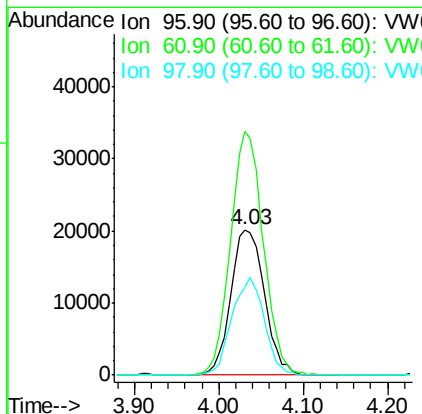
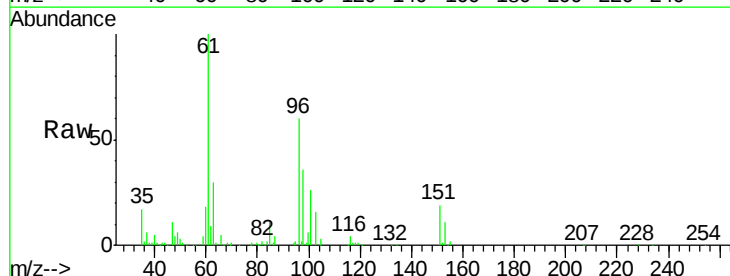
MMDadoda
 3/12/2019 1:15:46 PM

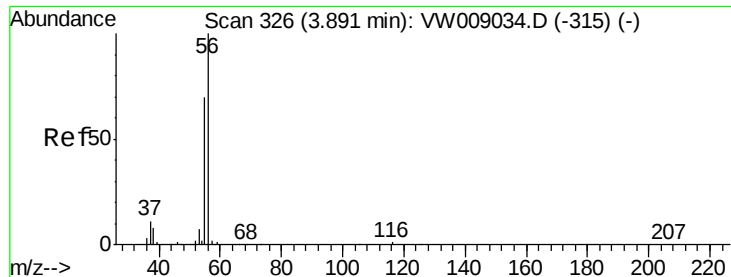


#12

1,1-Dichloroethene
 Concen: 20.988 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW009080.D
 Acq: 11 Mar 2019 12:22

Tgt Ion	96	Resp	54511
Ion Ratio	100	Lower	Upper
61	167.1	138.2	207.2
98	59.9	51.3	76.9





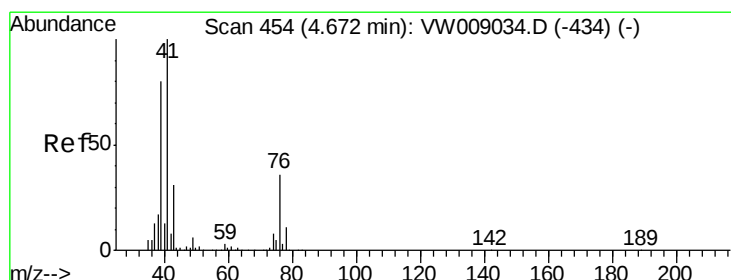
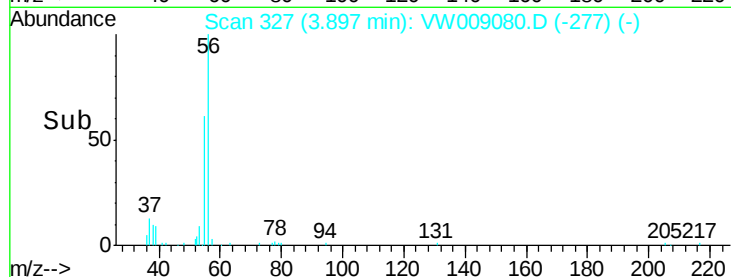
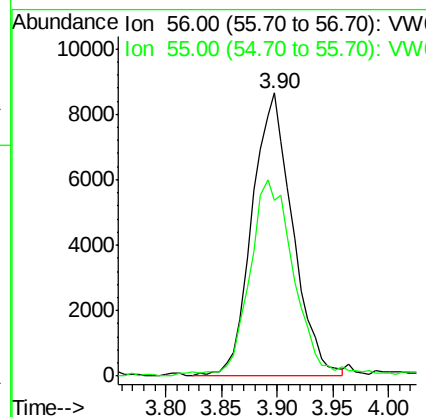
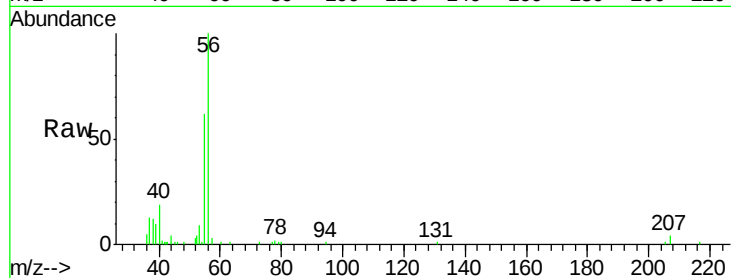
#13
Acrolein
Concen: 89.524 ug/l
RT: 3.90 min Scan# 327
Delta R.T. 0.01 min
Lab File: VW009080.D
Acq: 11 Mar 2019 12:22

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
55	72.3	56.6	84.8

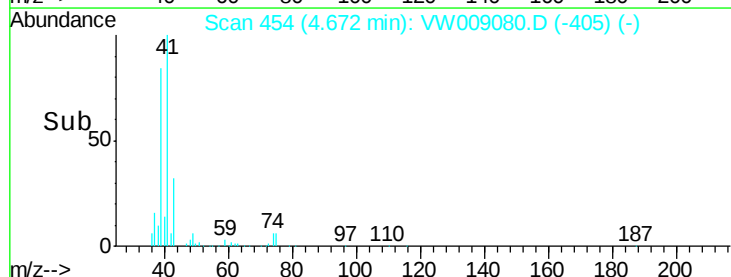
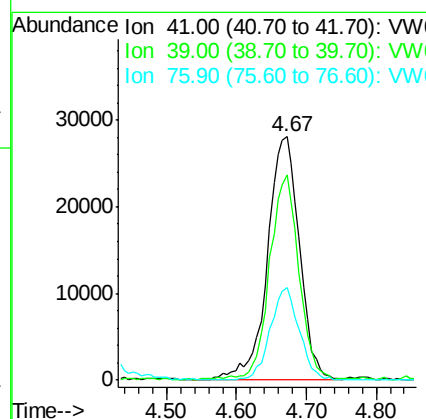
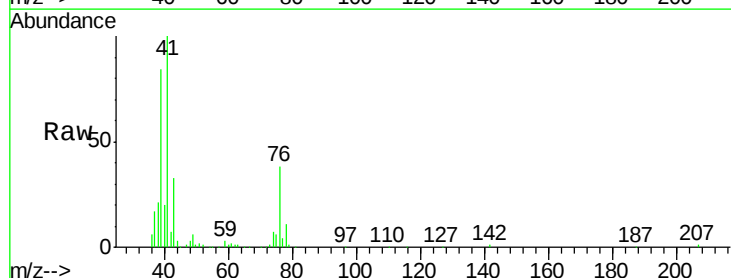
Manual Integrations
APPROVED

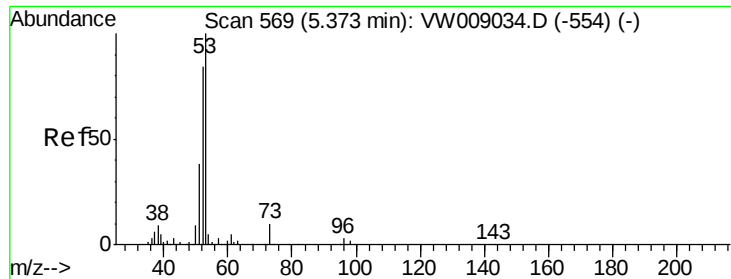
MMDadoda
3/12/2019 1:15:46 PM



#14
Allyl chloride
Concen: 19.474 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW009080.D
Acq: 11 Mar 2019 12:22

Tgt Ion	Ratio	Lower	Upper
41	100		
39	78.9	63.0	94.4
76	34.7	28.2	42.2





#15

Acrylonitrile

Concen: 98.320 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.01 min

Lab File: VW009080.D

Acq: 11 Mar 2019 12:22

Instrument :

MSVOA_W

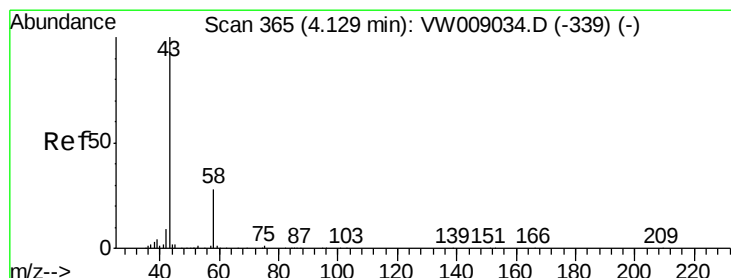
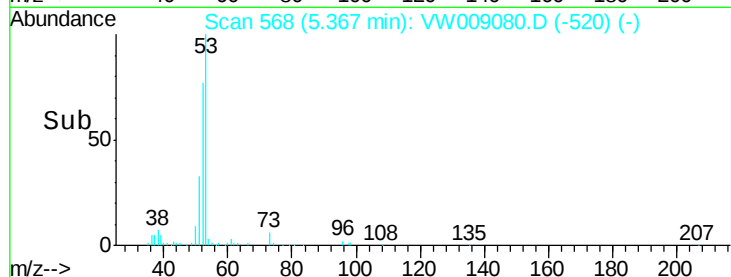
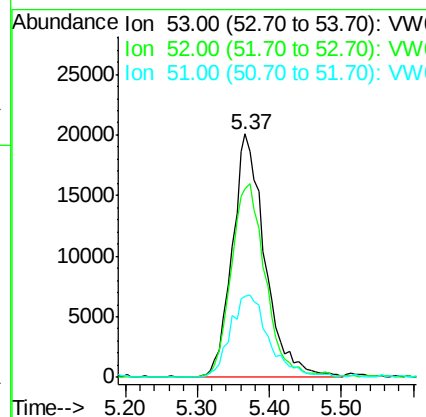
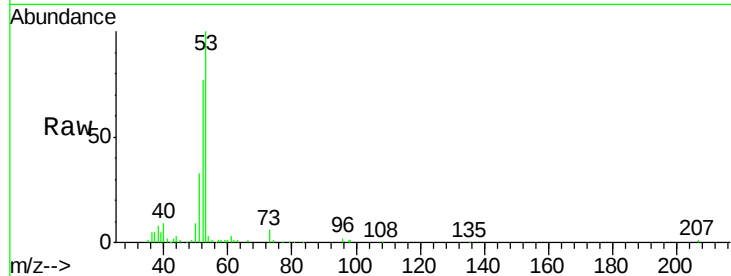
ClientSampleId :

VW0311SBSD01

Tot Ion:	53	Resp:	63432
Ion	Ratio	Lower	Upper
53	100		
52	82.4	67.2	100.8
51	40.1	31.8	47.6

Manual Integrations
APPROVED

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3/12/2019 1:15:46 PM



#16

Acetone

Concen: 98.433 ug/l

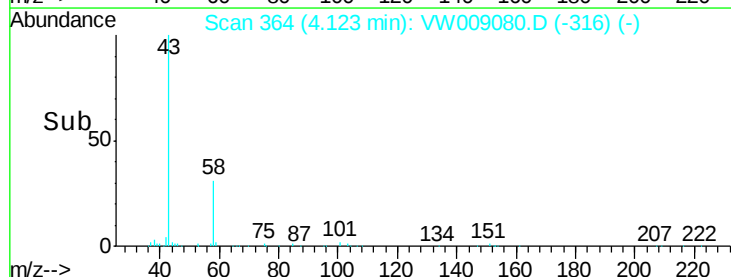
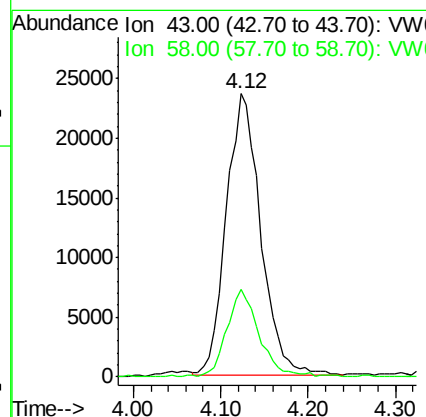
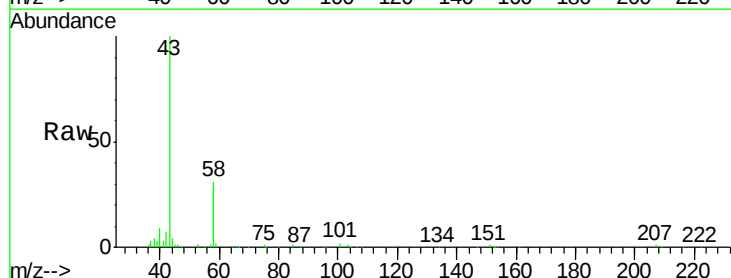
RT: 4.12 min Scan# 364

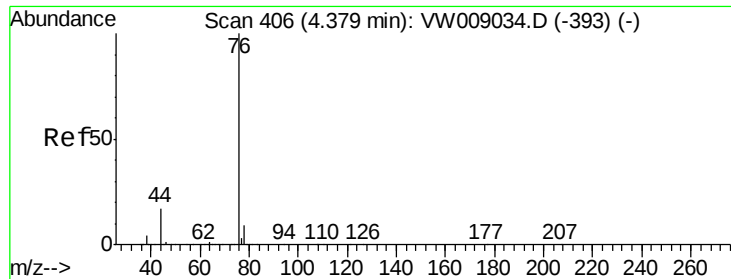
Delta R.T. -0.01 min

Lab File: VW009080.D

Acq: 11 Mar 2019 12:22

Tgt Ion:	43	Resp:	64582
Ion	Ratio	Lower	Upper
43	100		
58	30.7	22.5	33.7





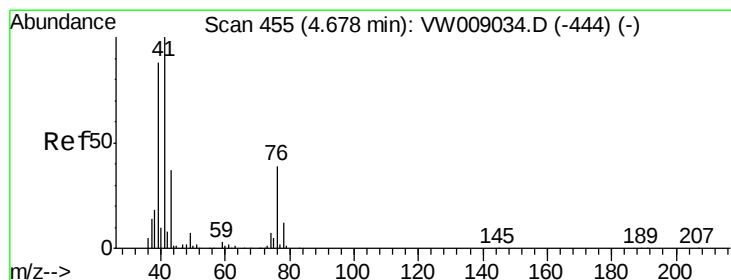
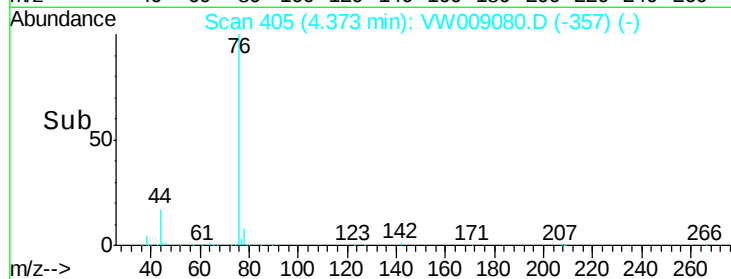
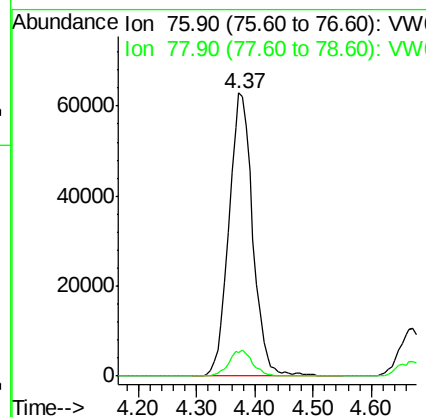
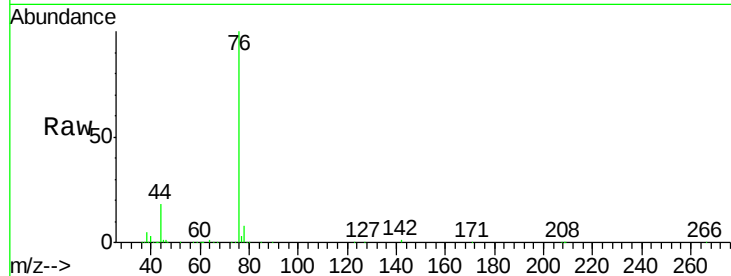
#17
Carbon Disulfide
Concen: 20.496 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW009080.D
Acq: 11 Mar 2019 12:22

Instrument :
MSVOA_W
ClientSampled :
VW0311SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.4	7.0	10.6

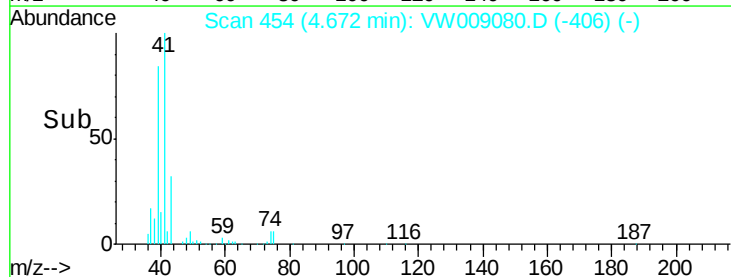
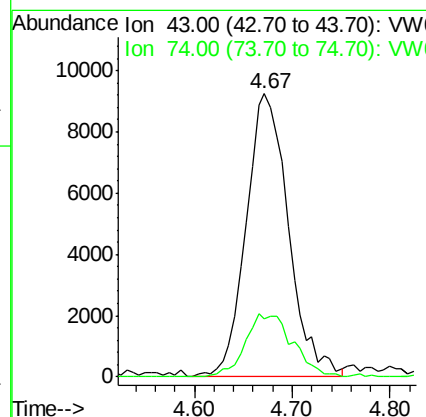
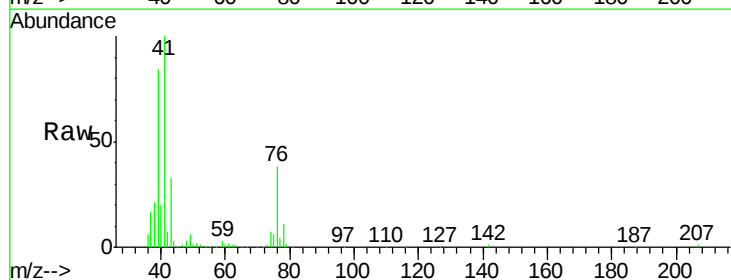
Manual Integrations
APPROVED

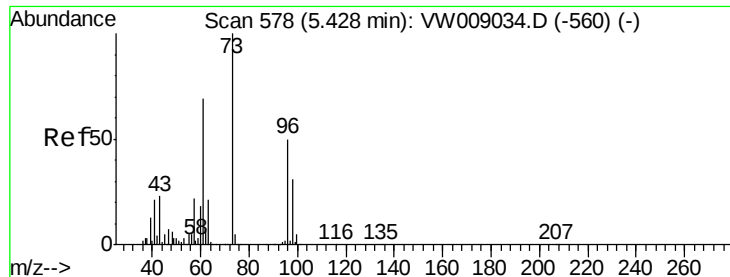
MMDadoda
3/12/2019 1:15:46 PM



#18
Methyl Acetate
Concen: 18.508 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW009080.D
Acq: 11 Mar 2019 12:22

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.7	17.6	26.4





#19

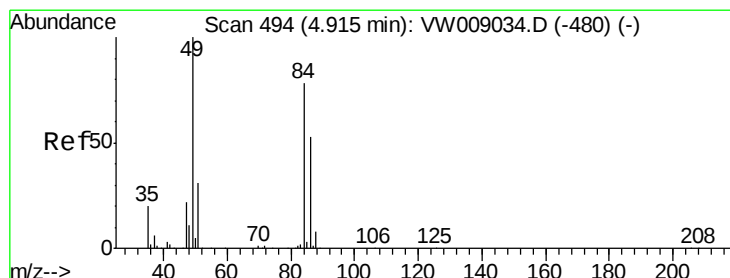
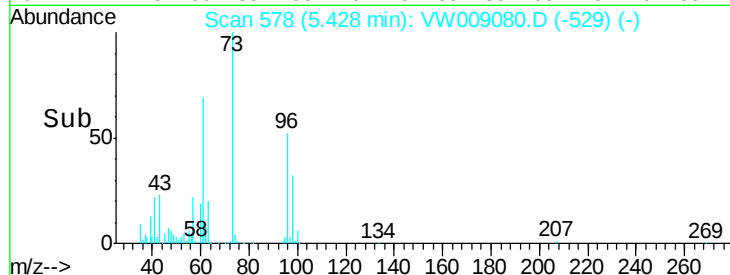
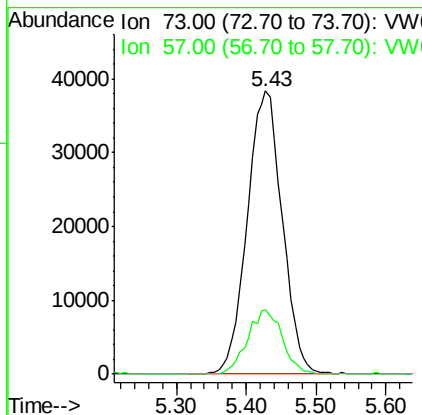
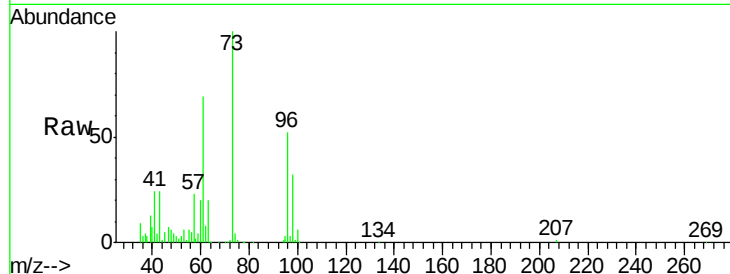
Methyl tert-butyl Ether
 Concen: 19.398 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. 0.00 min
 Lab File: VW009080.D
 Acq: 11 Mar 2019 12:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0311SBS01

Tot Ion	73	Resp	133271
Ion Ratio	Lower	Upper	
73	100		
57	22.9	17.3	25.9

Manual Integrations
 APPROVED

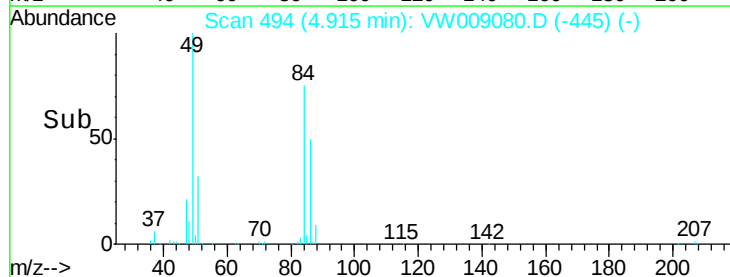
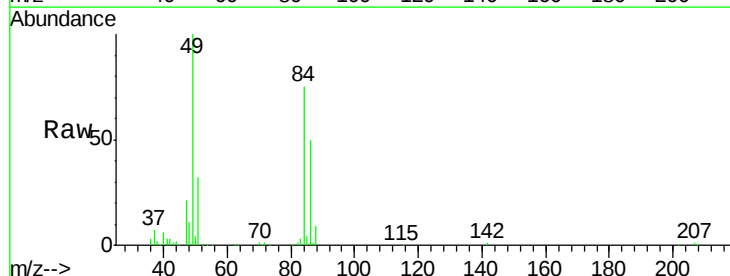
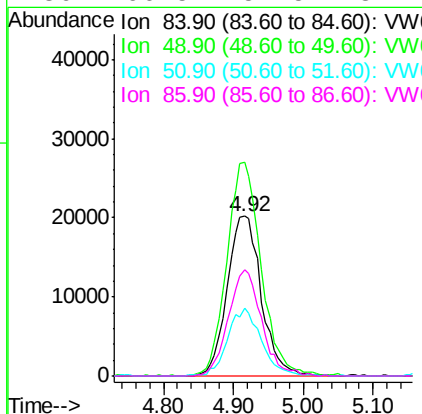
MMDadoda
 3/12/2019 1:15:46 PM

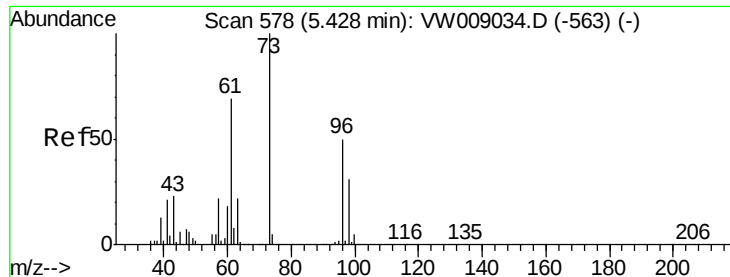


#20

Methylene Chloride
 Concen: 18.783 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VW009080.D
 Acq: 11 Mar 2019 12:22

Tgt Ion	84	Resp	68429
Ion Ratio	Lower	Upper	
84	100		
49	133.3	102.4	153.6
51	42.2	31.6	47.4
86	66.5	54.5	81.7





#21

trans-1,2-Dichloroethene

Concen: 20.339 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW009080.D

Acq: 11 Mar 2019 12:22

Instrument :

MSVOA_W

ClientSampleId :

VW0311SBSD01

Tot Ion: 96 Resp: 60995

Ion Ratio Lower Upper

96 100

61 137.1 111.0 166.6

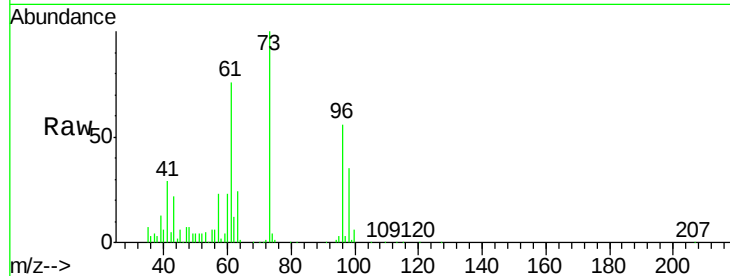
98 63.0 49.4 74.0

Manual Integrations

APPROVED

MMDadoda

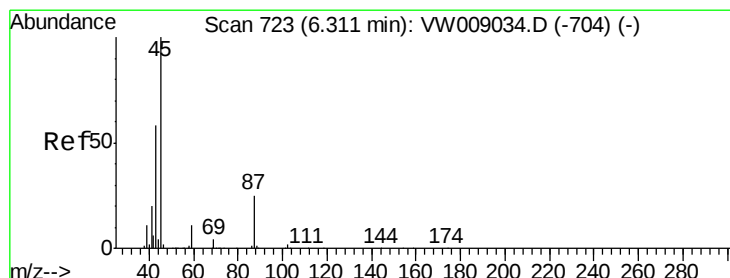
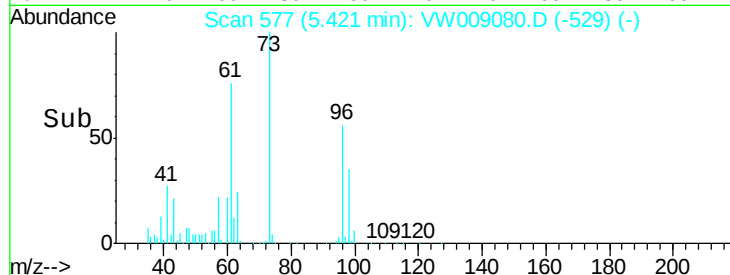
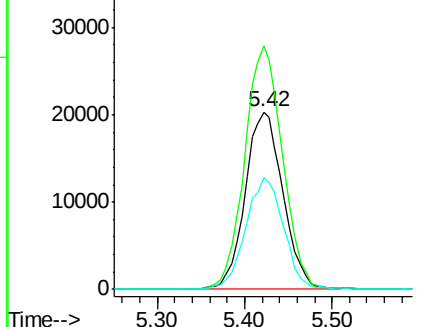
3/12/2019 1:15:46 PM



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 19.739 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW009080.D

Acq: 11 Mar 2019 12:22

Tgt Ion: 45 Resp: 179713

Ion Ratio Lower Upper

45 100

43 58.6 46.2 69.4

87 28.3 20.1 30.1

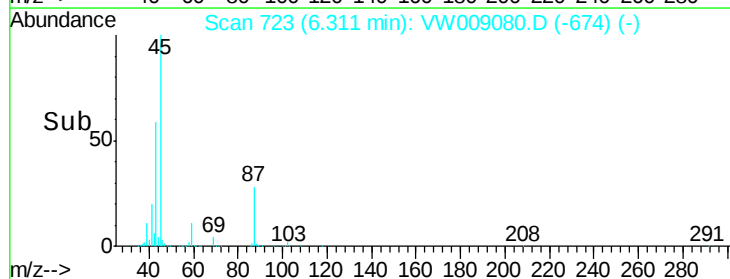
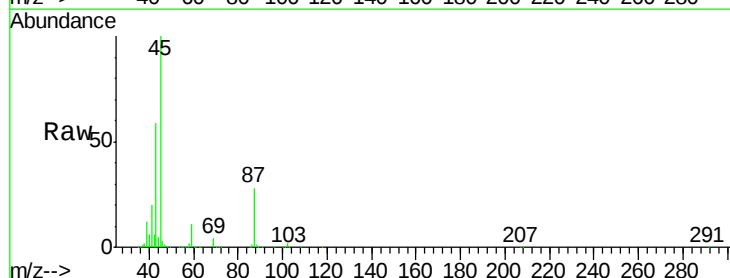
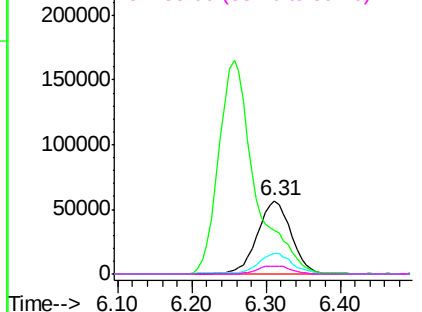
59 10.7 8.4 12.6

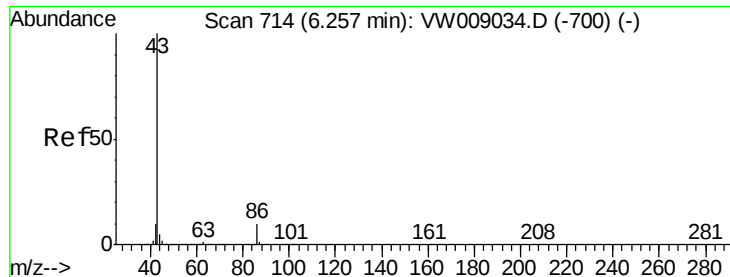
Abundance Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 98.570 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW009080.D

Acq: 11 Mar 2019 12:22

Instrument :

MSVOA_W

ClientSampled :

VW0311SBS01

Tot Ion: 43 Resp: 558457

Ion Ratio Lower Upper

43 100

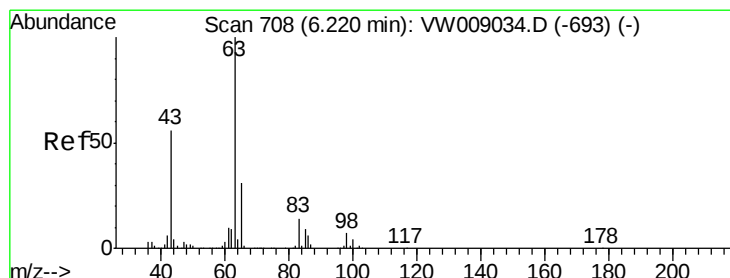
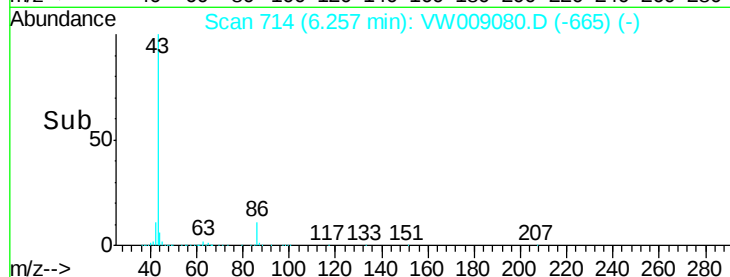
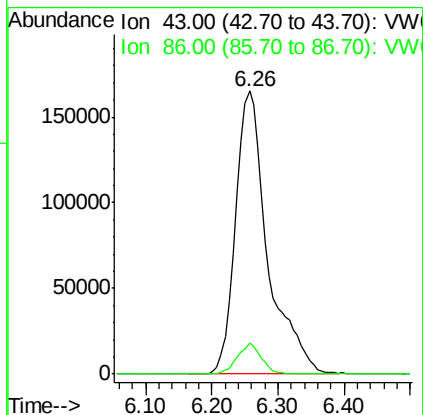
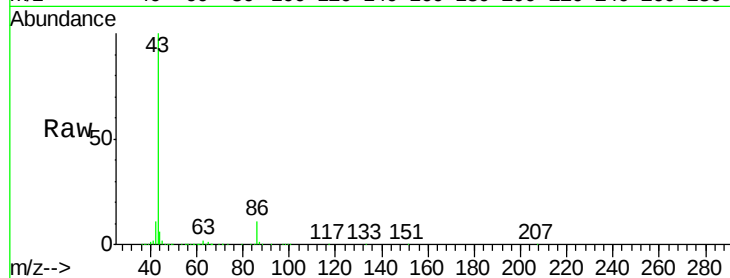
86 11.1 7.6 11.4

Manual Integrations

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MMDadoda

3/12/2019 1:15:46 PM



#24

1,1-Dichloroethane

Concen: 19.593 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW009080.D

Acq: 11 Mar 2019 12:22

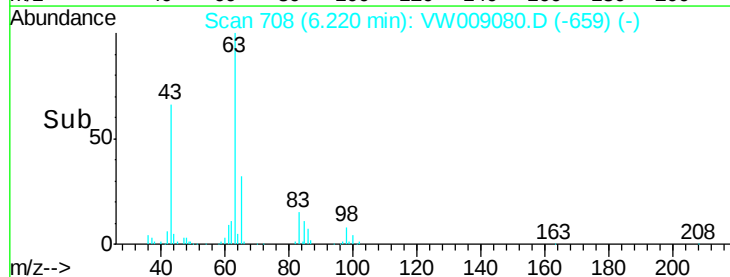
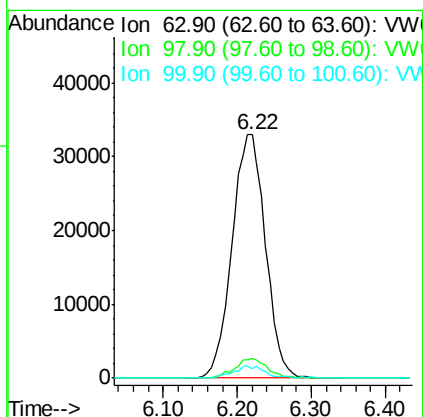
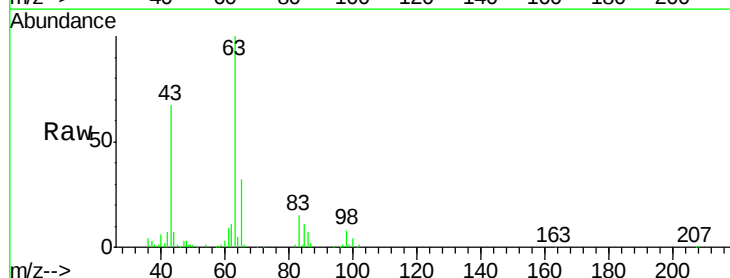
Tgt Ion: 63 Resp: 103467

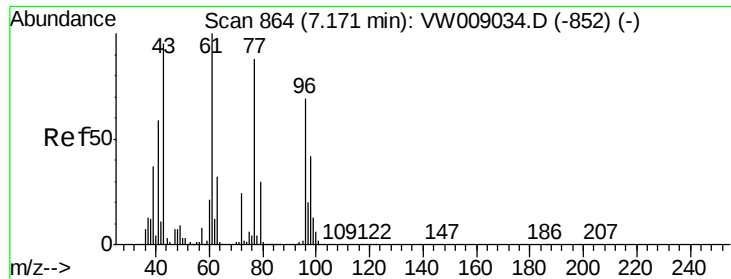
Ion Ratio Lower Upper

63 100

98 8.1 3.4 10.2

100 3.7 2.1 6.2





#25

2-Butanone

Concen: 97.207 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW009080.D

Acq: 11 Mar 2019 12:22

Instrument :

MSVOA_W

ClientSampleId :

VW0311SBS01

Tot Ion: 43 Resp: 88142

Ion Ratio Lower Upper

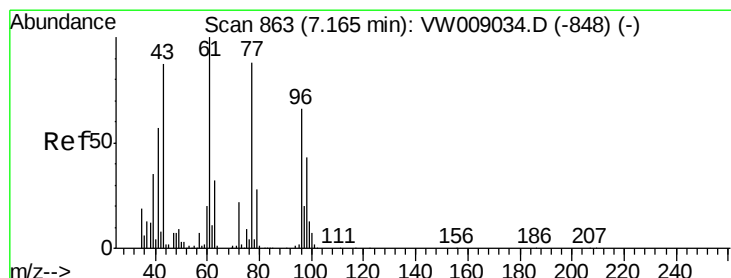
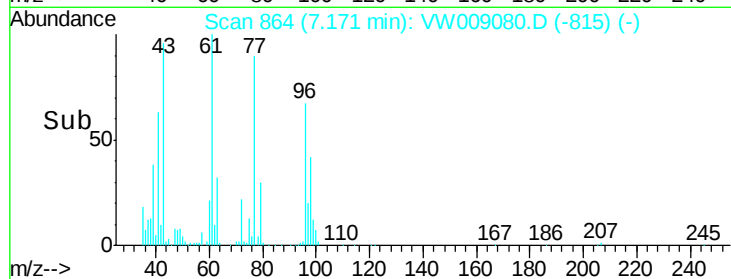
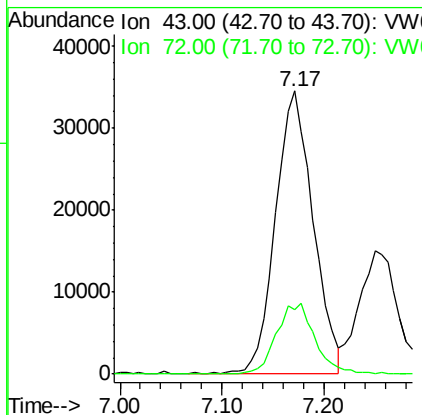
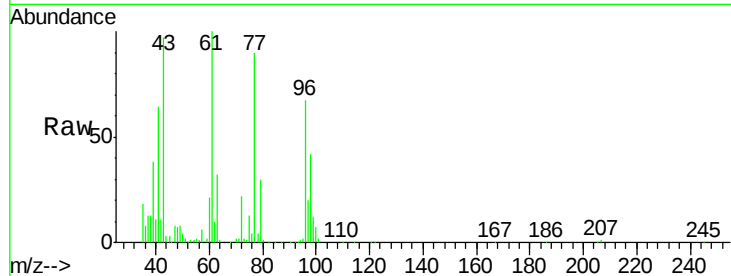
43 100

72 22.9 20.0 30.0

Manual Integrations
APPROVED

MMDadoda

3/12/2019 1:15:46 PM



#26

2,2-Dichloropropane

Concen: 20.853 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW009080.D

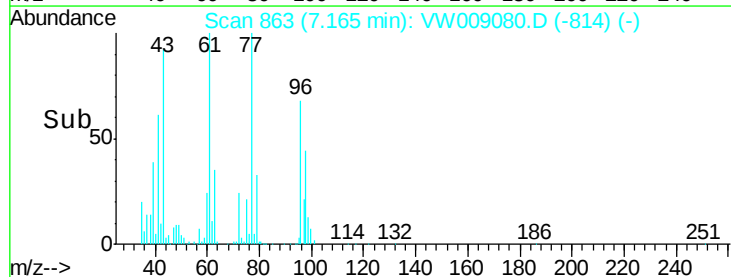
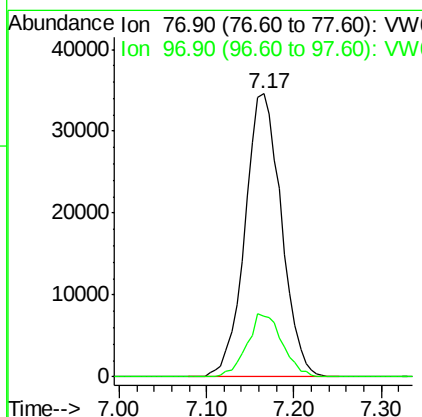
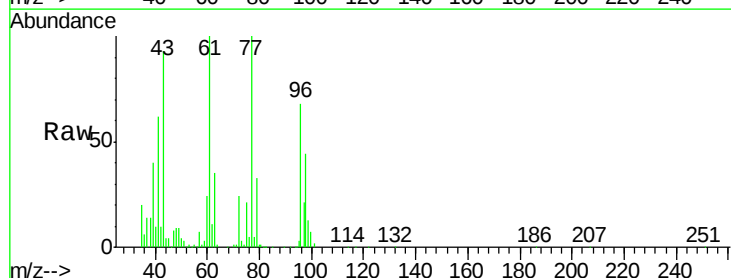
Acq: 11 Mar 2019 12:22

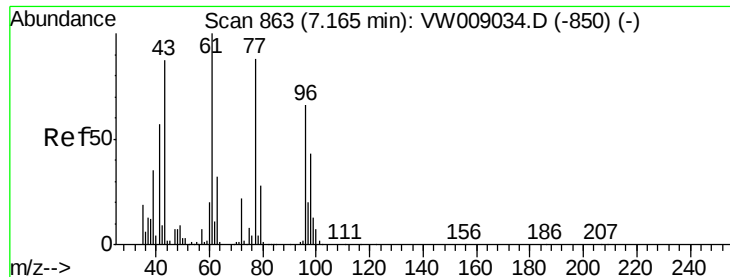
Tgt Ion: 77 Resp: 100094

Ion Ratio Lower Upper

77 100

97 21.6 10.9 32.9





#27

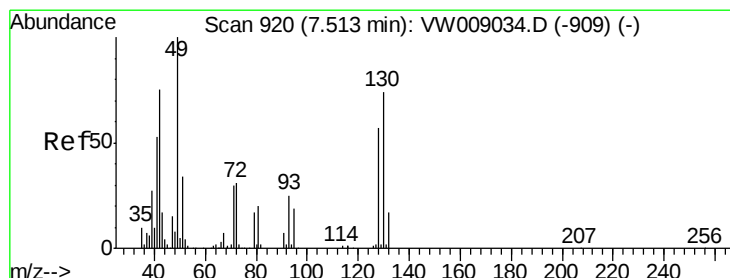
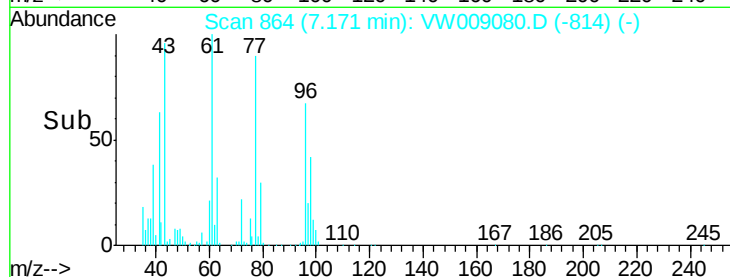
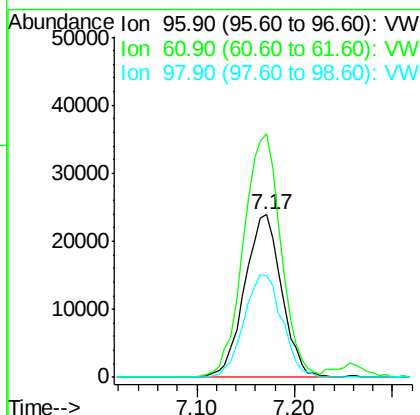
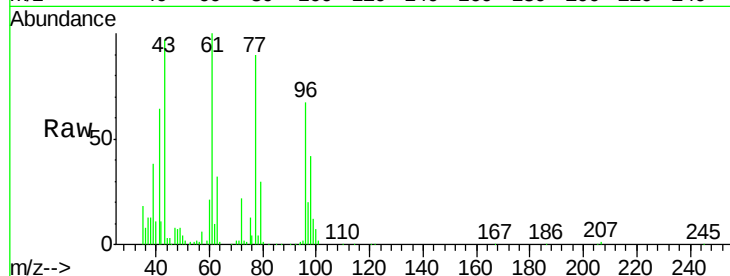
cis-1,2-Dichloroethene
Concen: 19.498 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW009080.D
Acq: 11 Mar 2019 12:22

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.4	0.0	299.8
98	65.1	0.0	127.2

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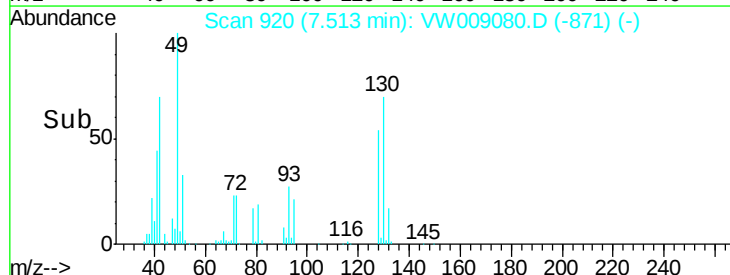
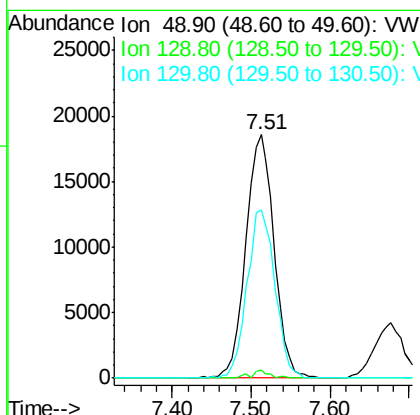
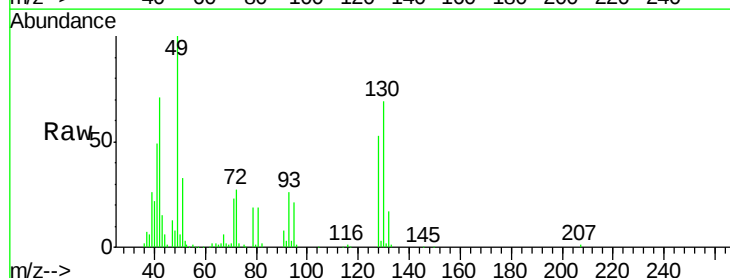
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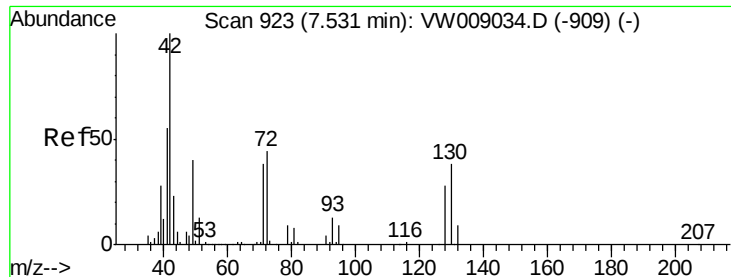


#28

Bromochloromethane
Concen: 21.046 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW009080.D
Acq: 11 Mar 2019 12:22

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.6
130	68.4	60.4	90.6





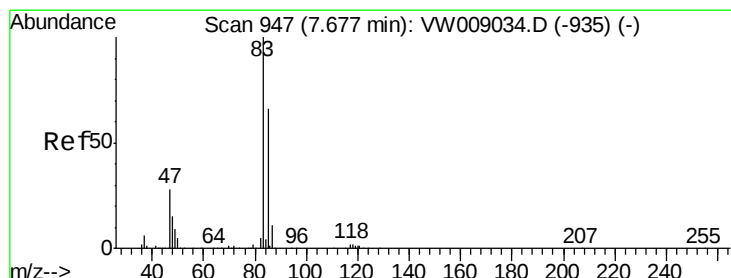
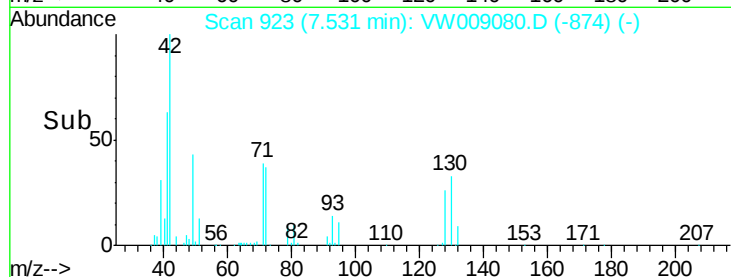
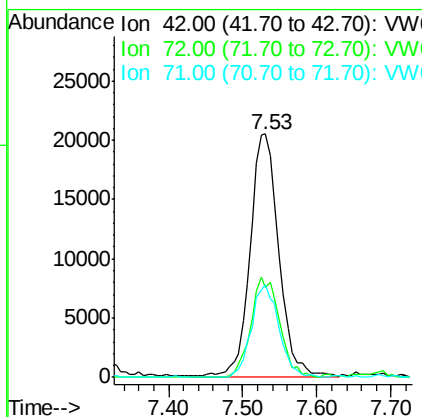
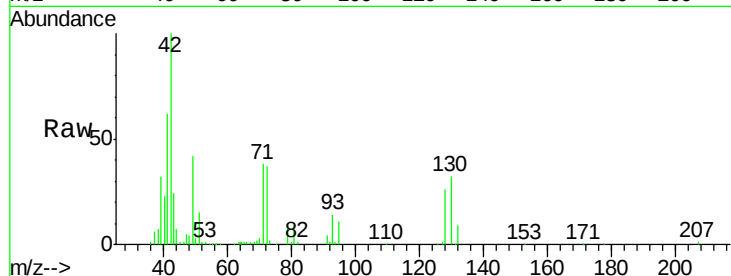
#29
Tetrahydrofuran
Concen: 96.756 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW009080.D
Acq: 11 Mar 2019 12:22

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.2	32.2	48.4
71	36.8	30.7	46.1

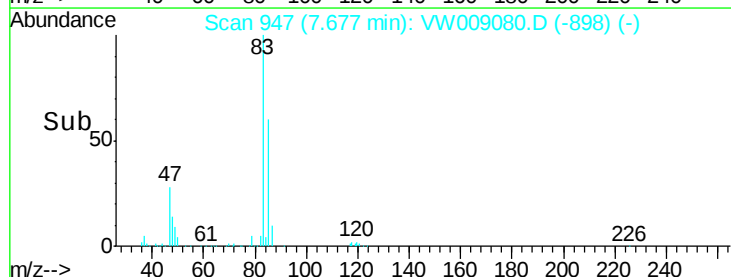
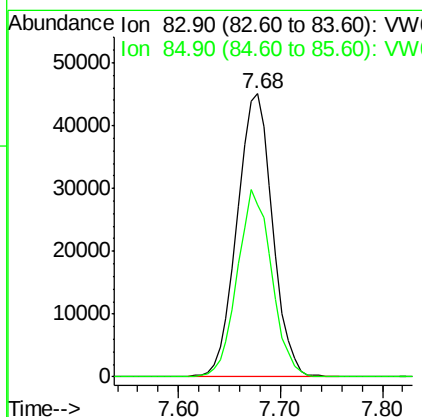
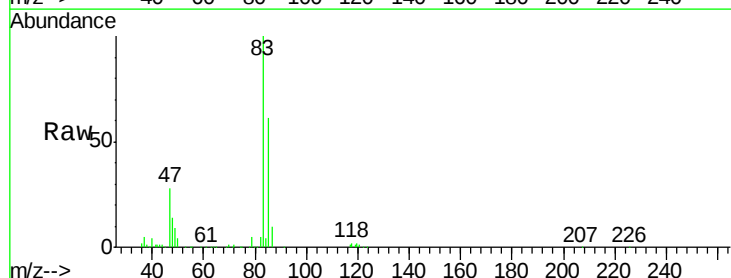
Manual Integrations
APPROVED

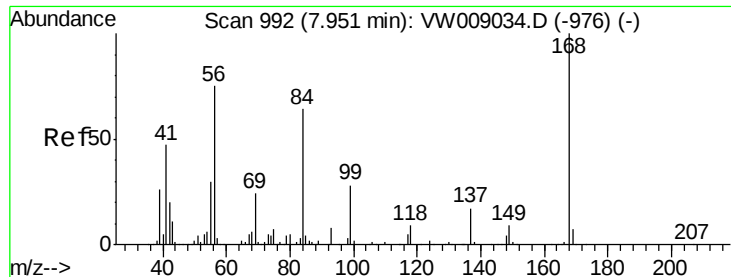
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#30
Chloroform
Concen: 19.995 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW009080.D
Acq: 11 Mar 2019 12:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.6	53.0	79.6





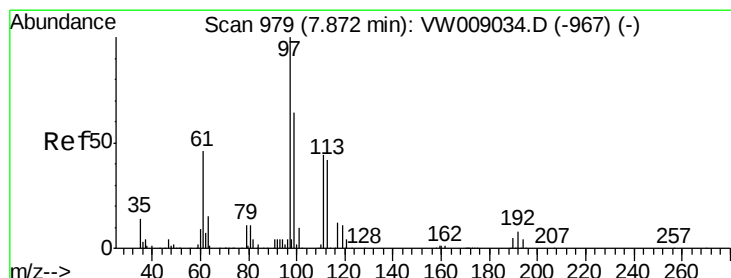
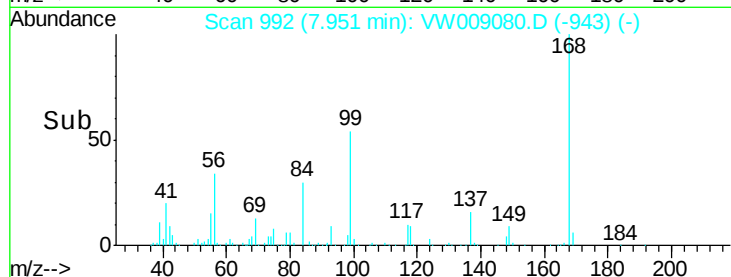
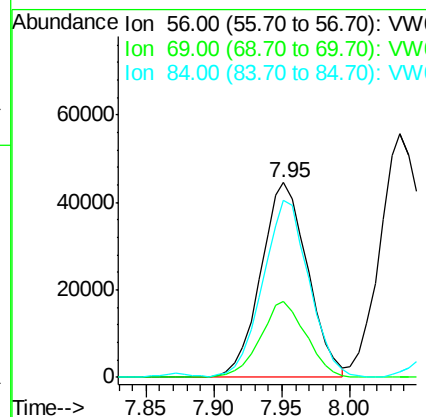
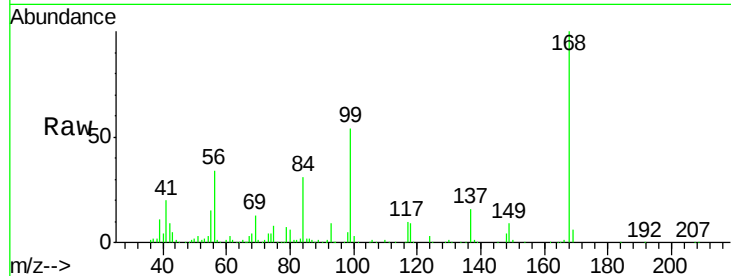
#31
Cyclohexane
Concen: 19.683 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW009080.D
Acq: 11 Mar 2019 12:22

Instrument :
MSVOA_W
ClientSampled :
VW0311SBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.2	25.5	38.3#
84	90.8	68.6	103.0

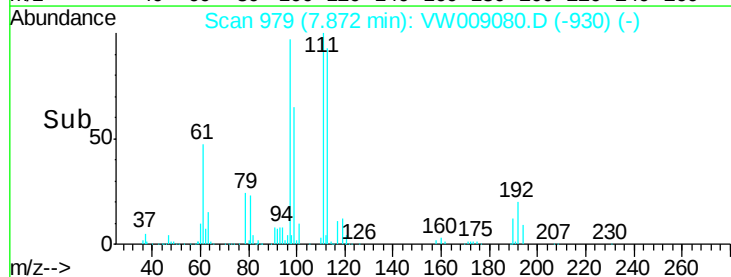
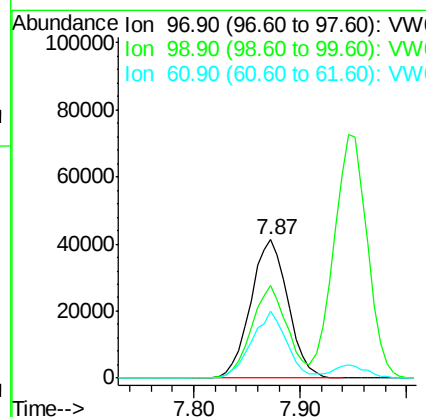
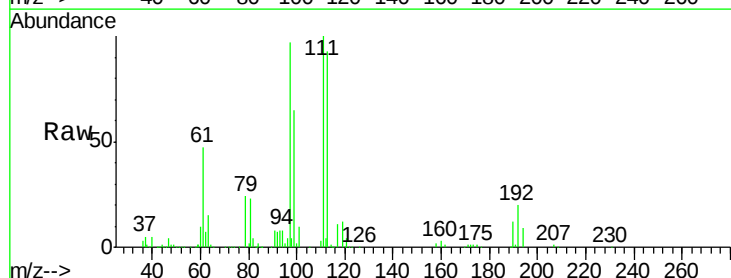
Manual Integrations
APPROVED

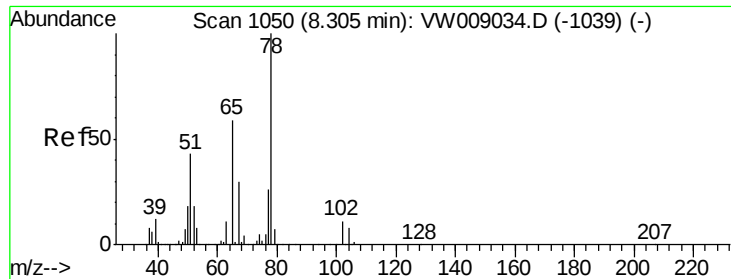
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#32
1,1,1-Trichloroethane
Concen: 20.286 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW009080.D
Acq: 11 Mar 2019 12:22

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.8	77.8
61	45.2	37.3	55.9





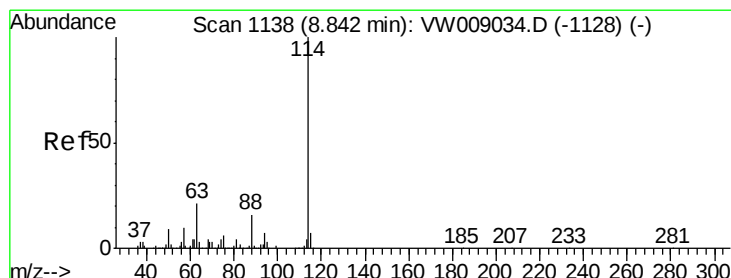
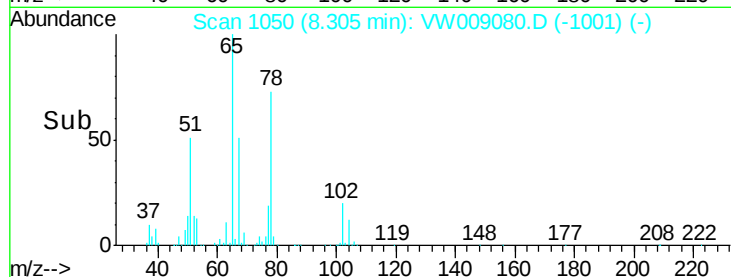
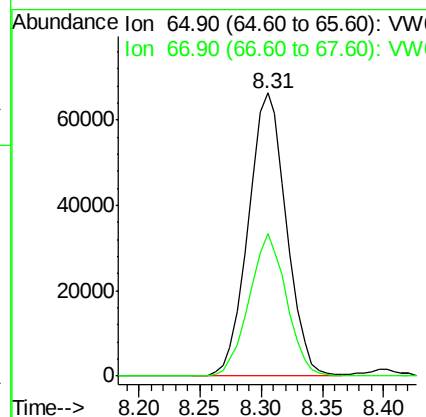
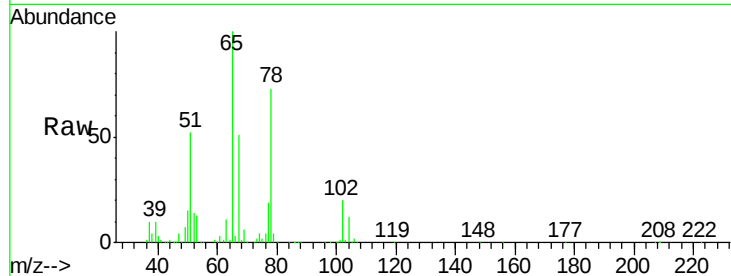
#33
 1,2-Dichloroethane-d4
 Concen: 49.390 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW009080.D
 Acq: 11 Mar 2019 12:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0311SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	143601		
67	49.4	0.0	103.0	

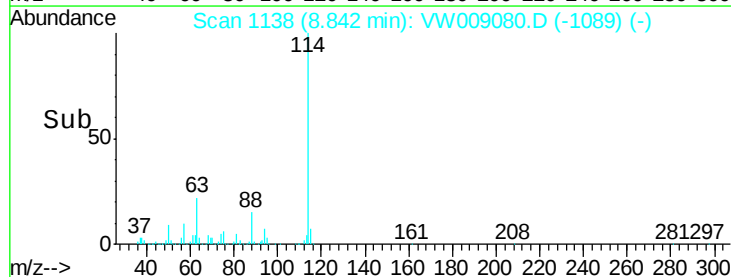
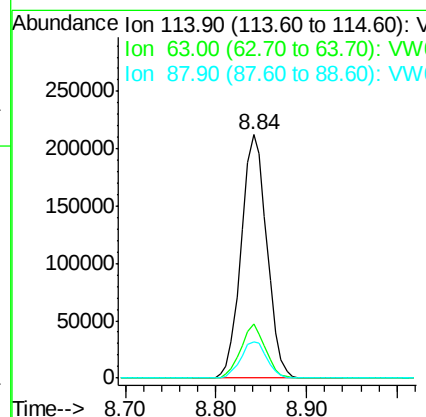
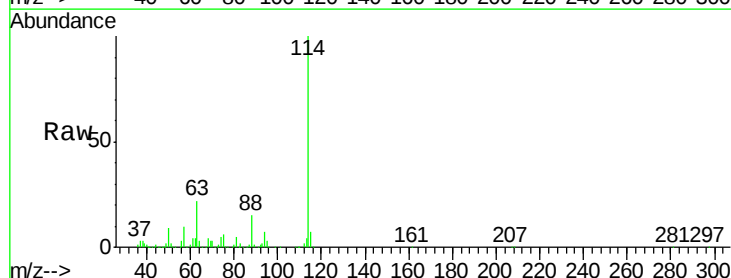
Manual Integrations
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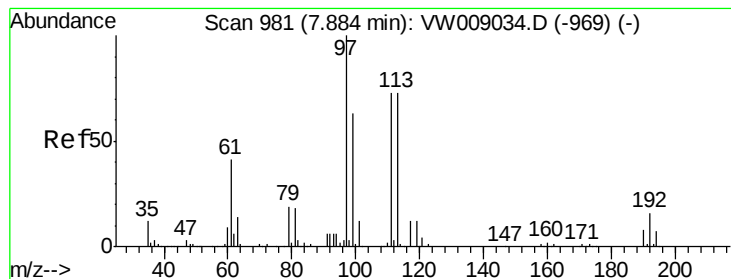
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW009080.D
 Acq: 11 Mar 2019 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	415283		
63	22.2	0.0	41.2	
88	14.9	0.0	31.2	





#35

Dibromofluoromethane

Concen: 48.957 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW009080.D

Acq: 11 Mar 2019 12:22

Instrument :

MSVOA_W

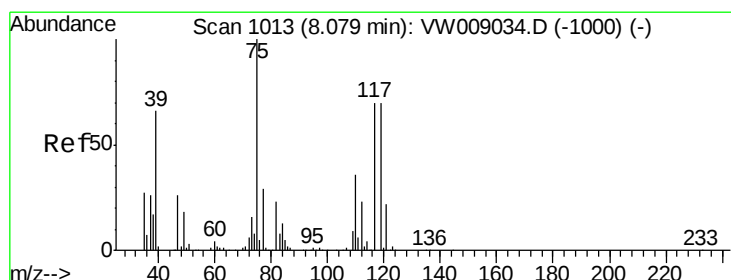
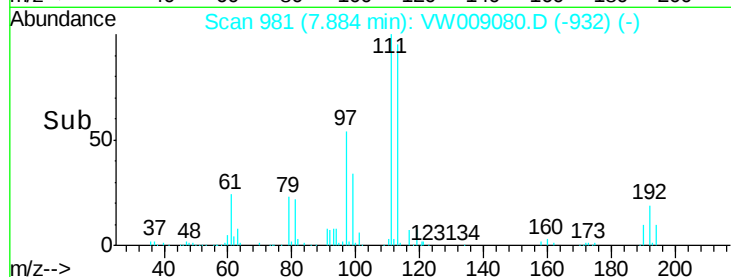
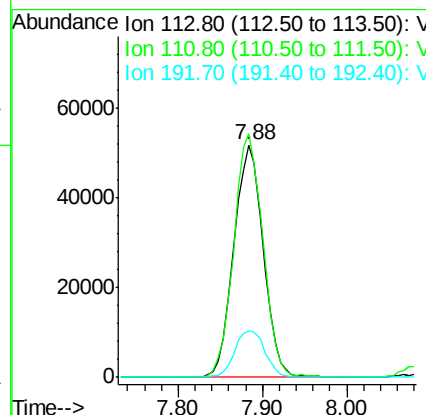
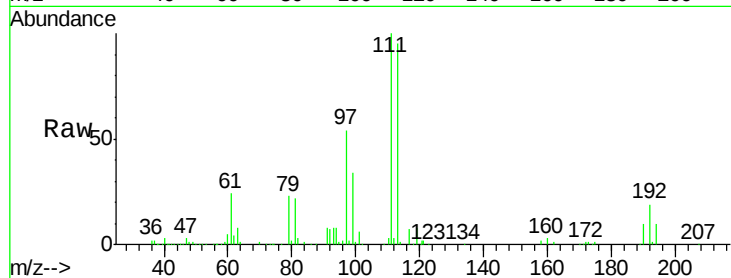
ClientSampled :

VW0311SBSD01

Tot Ion:	113	Resp:	122412
Ion Ratio	Lower	Upper	
113	100		
111	103.7	81.0	121.4
192	20.8	17.1	25.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 20.449 ug/l

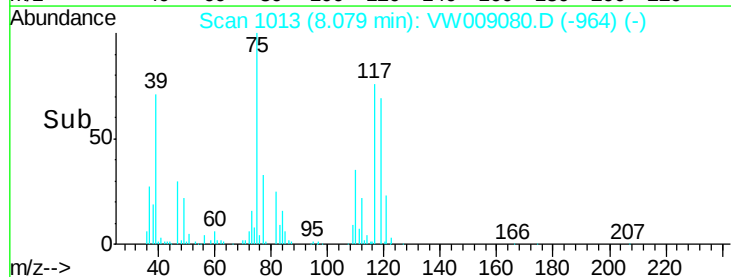
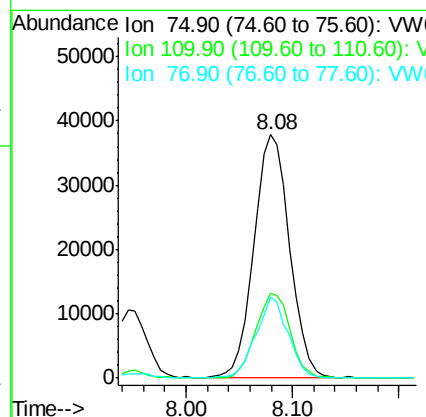
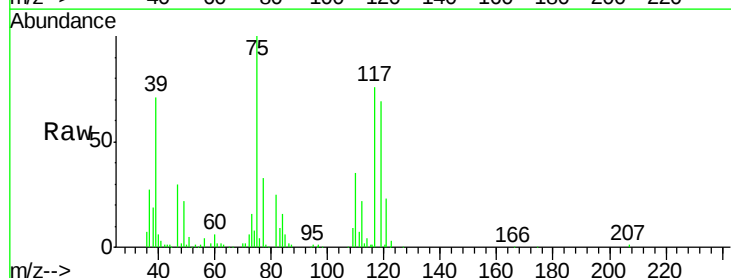
RT: 8.08 min Scan# 1013

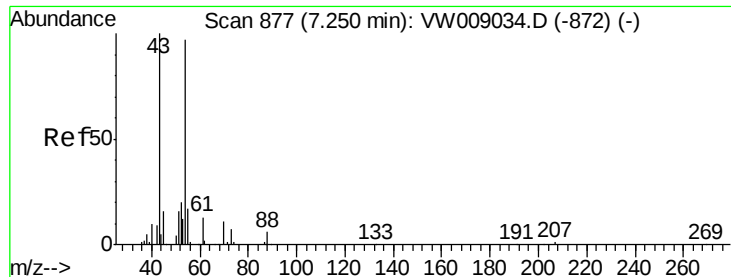
Delta R.T. -0.00 min

Lab File: VW009080.D

Acq: 11 Mar 2019 12:22

Tgt Ion:	75	Resp:	88796
Ion Ratio	Lower	Upper	
75	100		
110	33.8	17.6	52.9
77	30.3	25.1	37.7





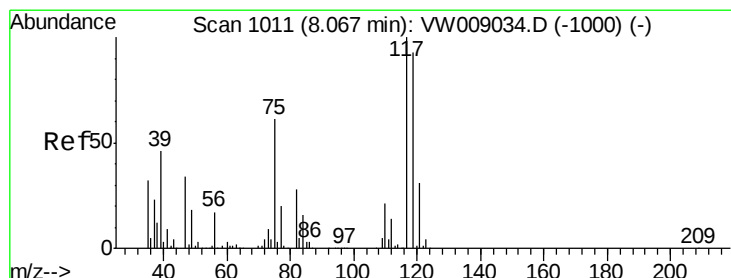
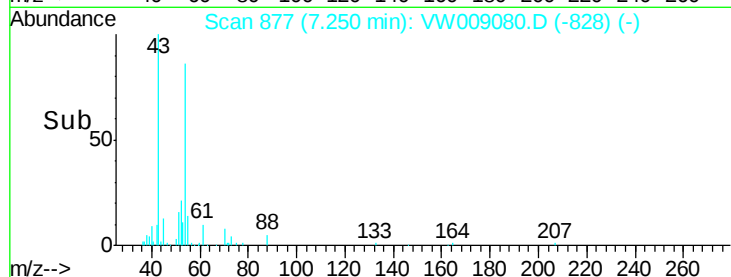
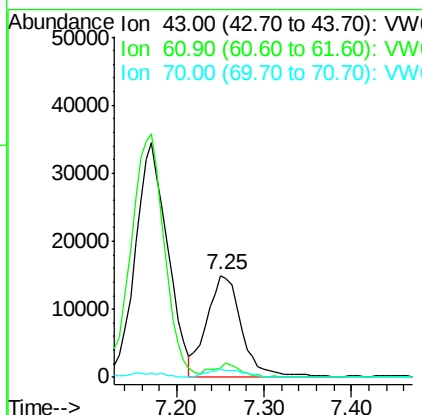
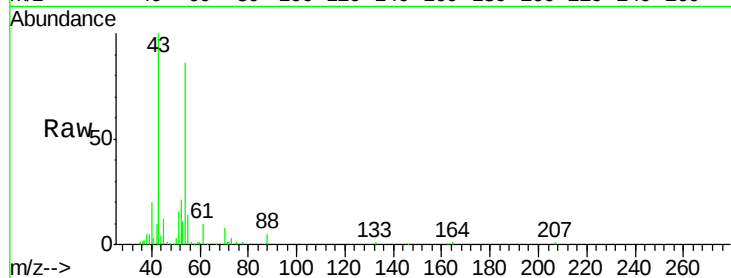
#37
Ethyl Acetate
Concen: 19.890 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW009080.D
Acq: 11 Mar 2019 12:22

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	10.5	9.8	14.6
70	8.6	7.2	10.8

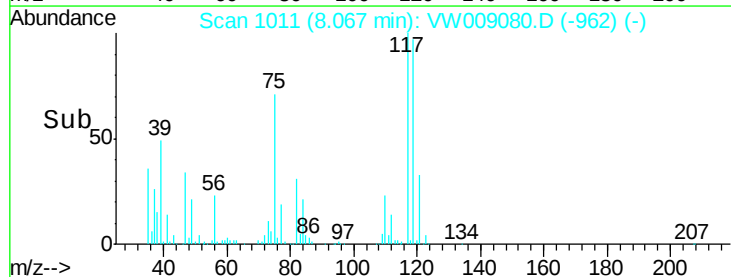
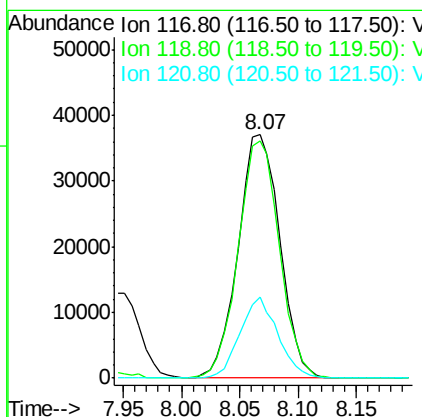
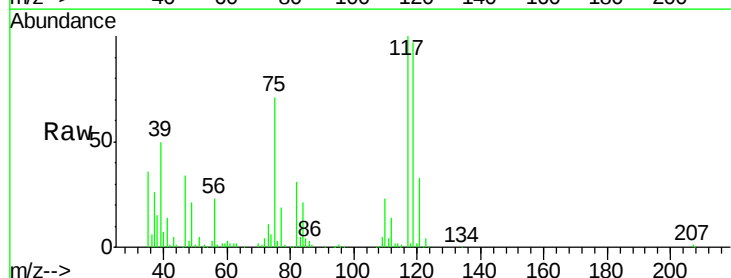
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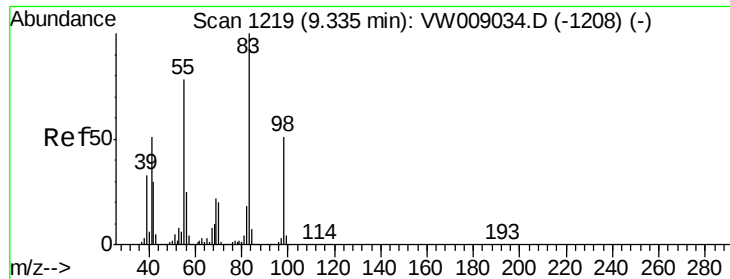
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#38
Carbon Tetrachloride
Concen: 20.600 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW009080.D
Acq: 11 Mar 2019 12:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	74.6	112.0
121	33.1	24.7	37.1





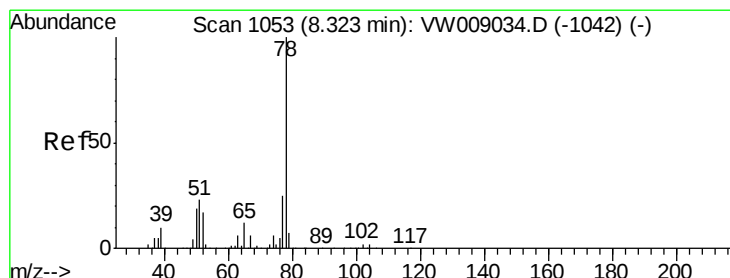
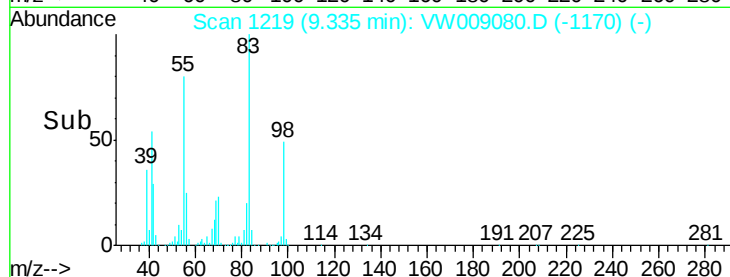
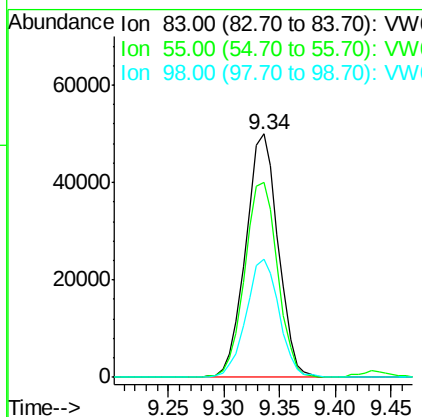
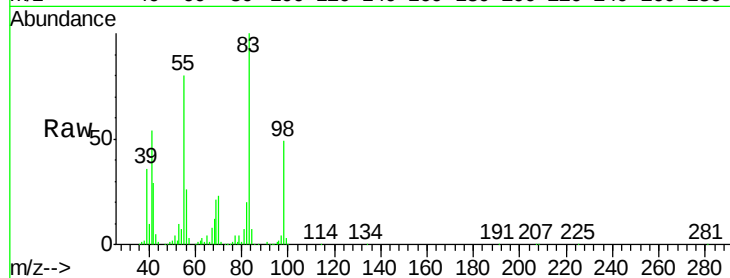
#39
Methvlcvclohexane
Concen: 19.630 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW009080.D
Acq: 11 Mar 2019 12:22

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.0	62.7	94.1
98	48.7	40.8	61.2

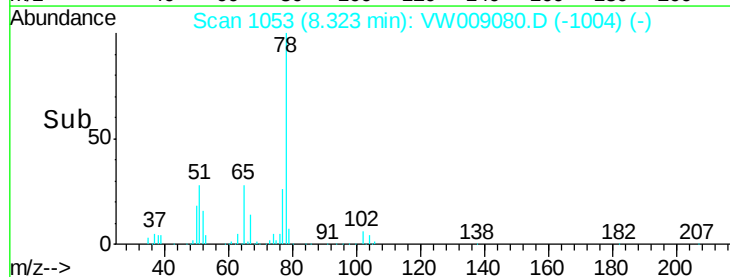
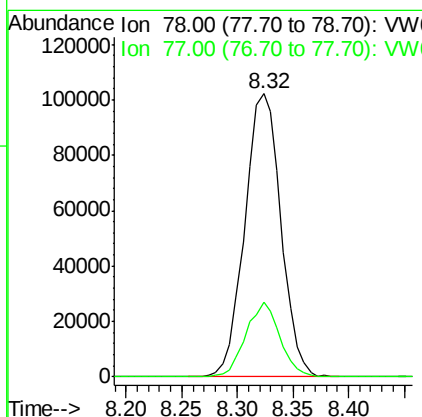
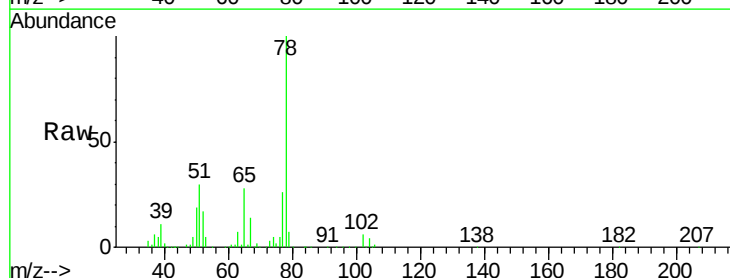
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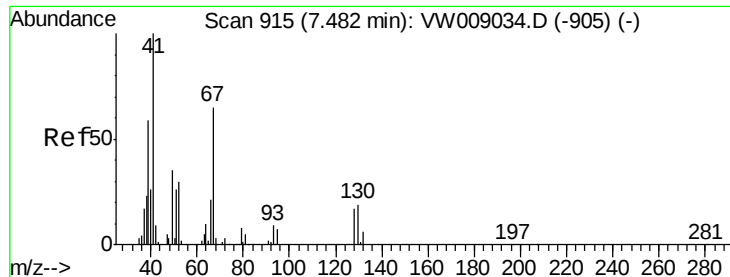
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#40
Benzene
Concen: 19.934 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW009080.D
Acq: 11 Mar 2019 12:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.3	20.2	30.4





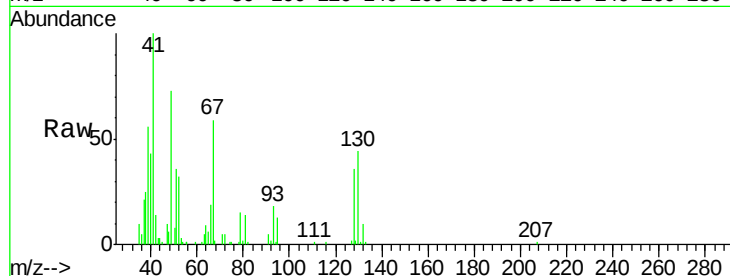
#41
Methacrylonitrile
Concen: 21.776 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW009080.D
Acq: 11 Mar 2019 12:22

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBSD01

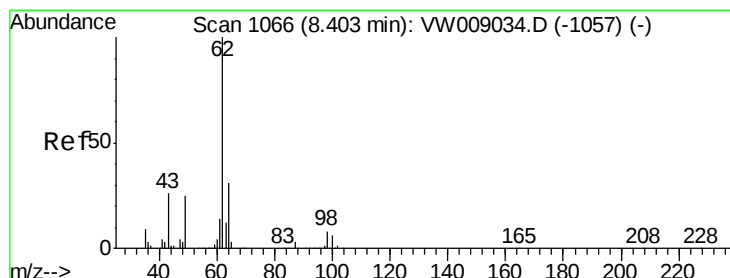
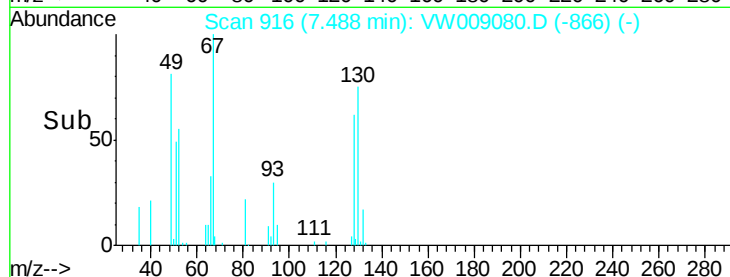
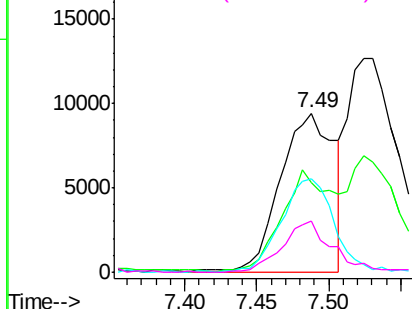
Tot Ion	Ratio	Lower	Upper
41	100		
39	59.7	53.6	80.4
67	57.9	57.6	86.4
52	29.6	26.0	39.0

Manual Integrations
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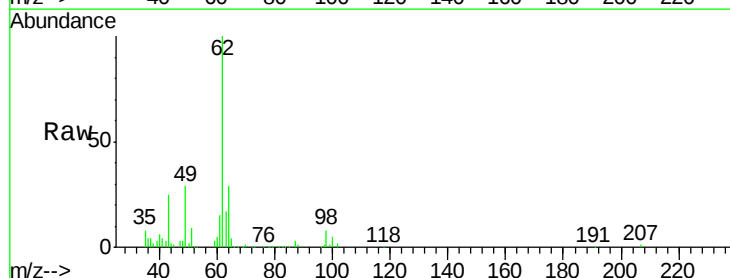


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

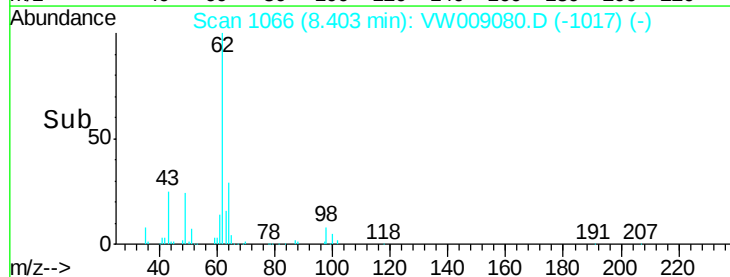
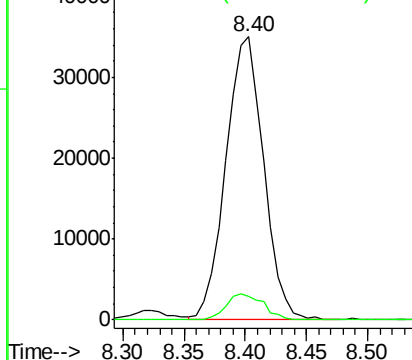


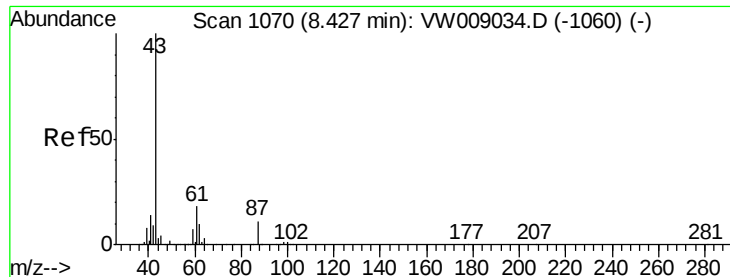
#42
1,2-Dichloroethane
Concen: 20.026 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW009080.D
Acq: 11 Mar 2019 12:22

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	17.6



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 19.115 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW009080.D

Acq: 11 Mar 2019 12:22

Instrument :

MSVOA_W

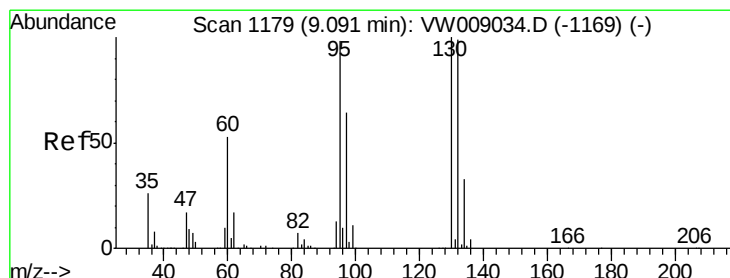
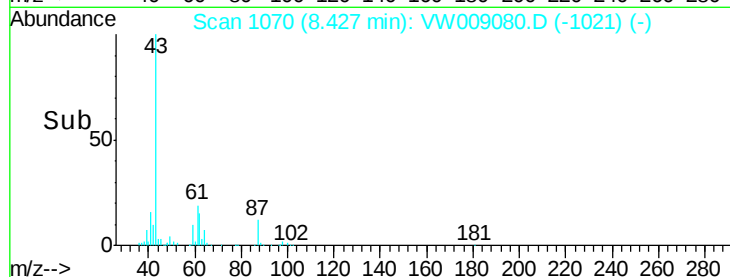
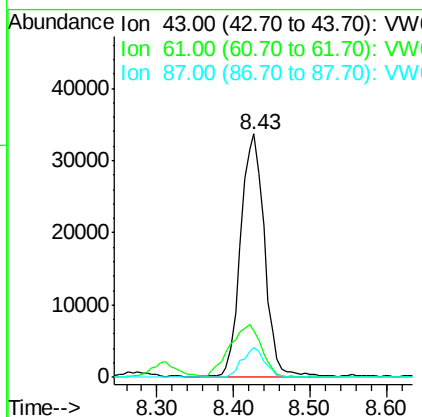
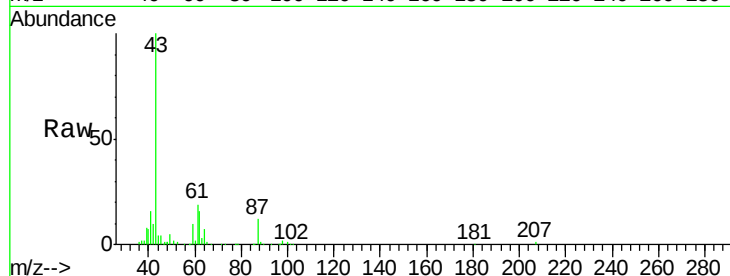
ClientSampleId :

VW0311SBSD01

Tot Ion:	43	Resp:	72614
Ion	Ratio	Lower	Upper
43	100		
61	29.1	22.8	34.2
87	11.6	9.4	14.2

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#44

Trichloroethene

Concen: 19.906 ug/l

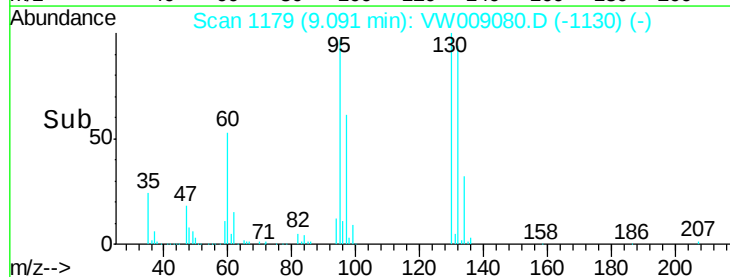
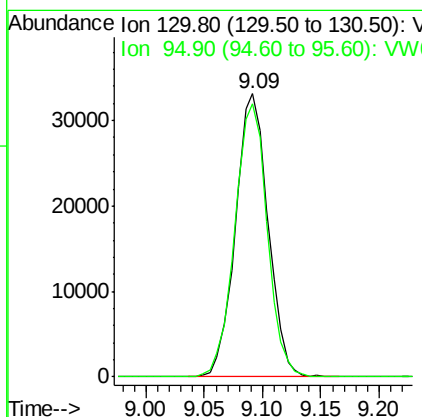
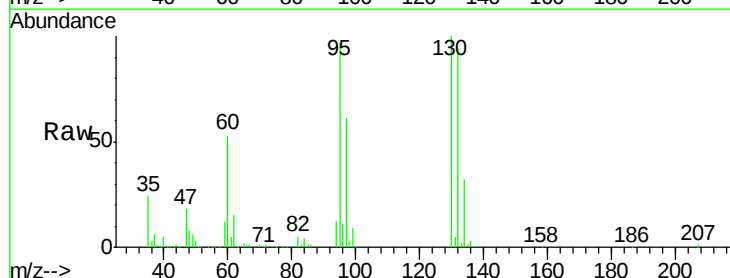
RT: 9.09 min Scan# 1179

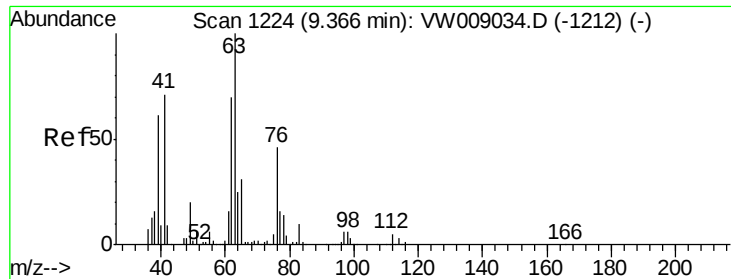
Delta R.T. 0.00 min

Lab File: VW009080.D

Acq: 11 Mar 2019 12:22

Tgt Ion:	130	Resp:	64672
Ion	Ratio	Lower	Upper
130	100		
95	96.6	0.0	197.0





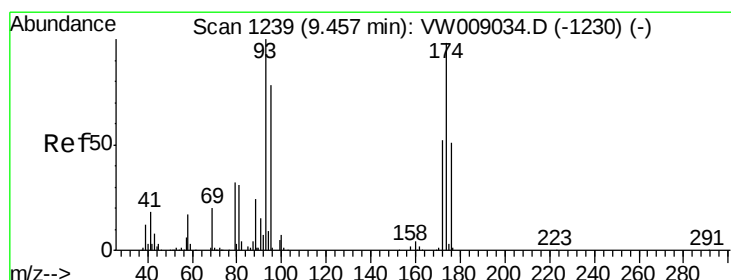
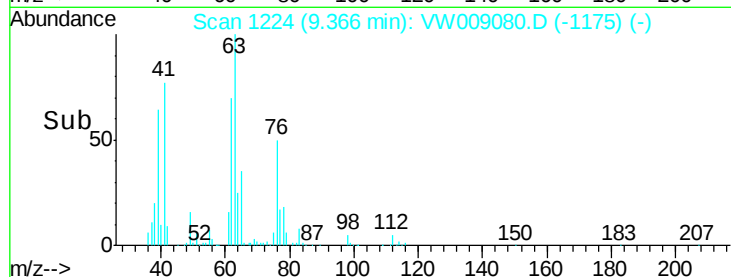
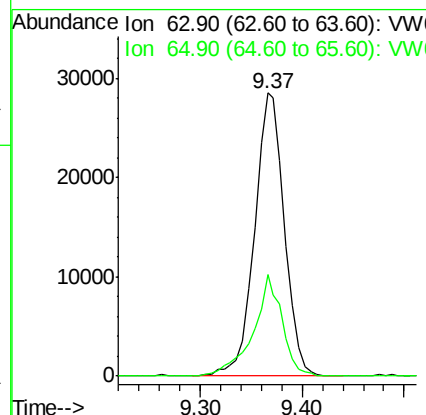
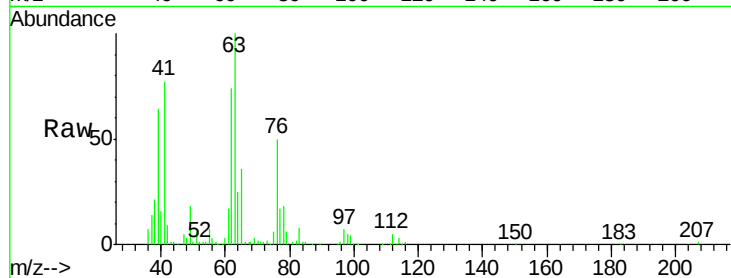
#45
 1,2-Dichloropropane
 Concen: 19.963 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW009080.D
 Acq: 11 Mar 2019 12:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0311SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	35.8	24.9	37.3

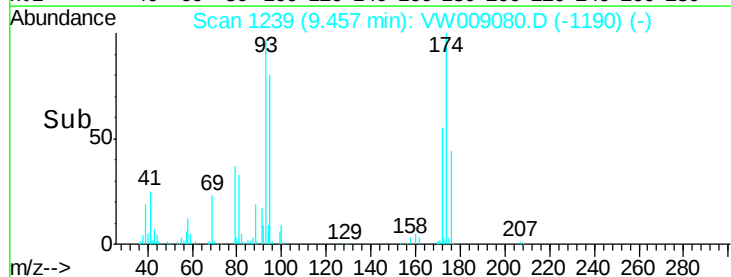
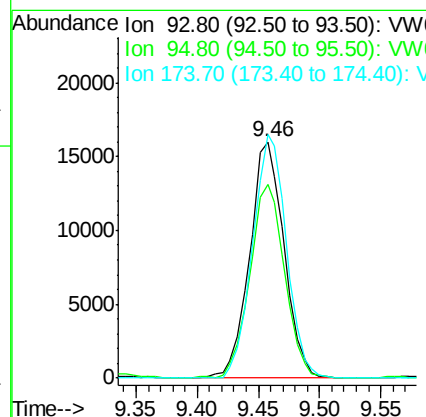
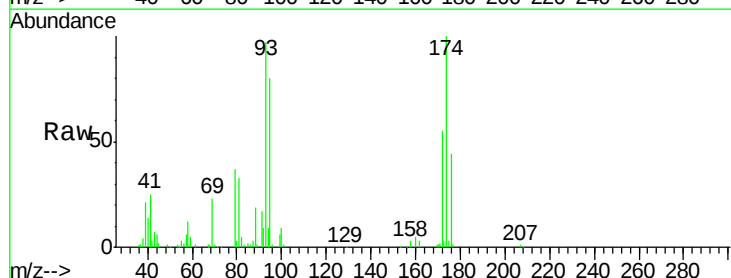
Manual Integrations
 APPROVED

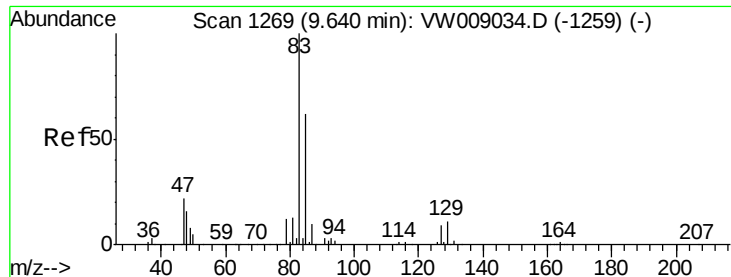
MMDadoda
 3/12/2019 1:15:46 PM



#46
 Dibromomethane
 Concen: 19.703 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW009080.D
 Acq: 11 Mar 2019 12:22

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.3	65.0	97.6
174	101.6	81.8	122.6





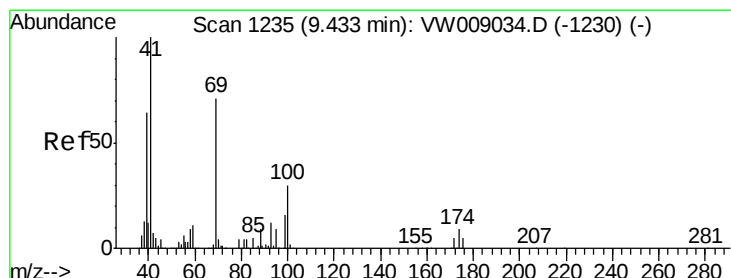
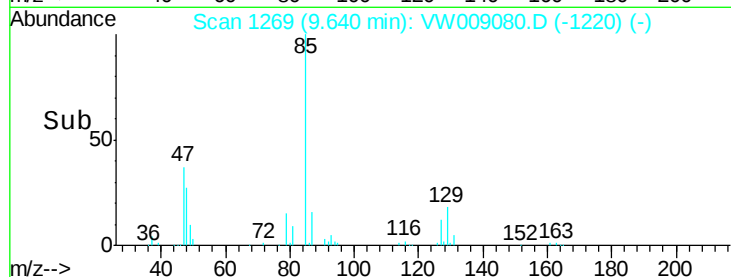
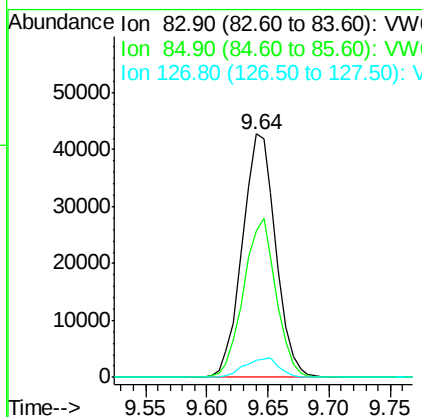
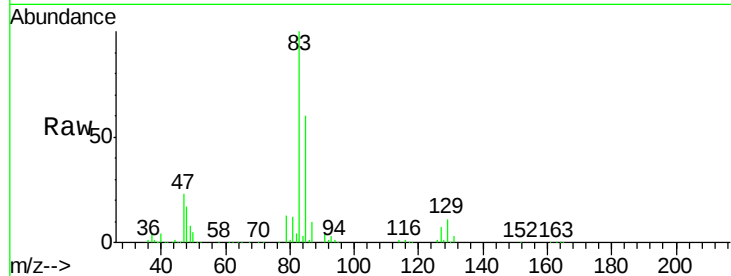
#47
Bromodichloromethane
Concen: 20.218 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW009080.D
Acq: 11 Mar 2019 12:22

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	81145		
85	60.2	49.9	74.9	
127	7.3	7.1	10.7	

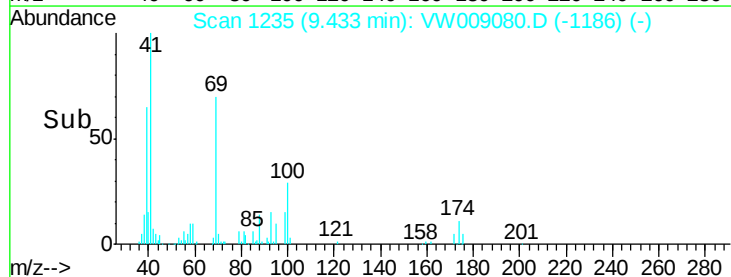
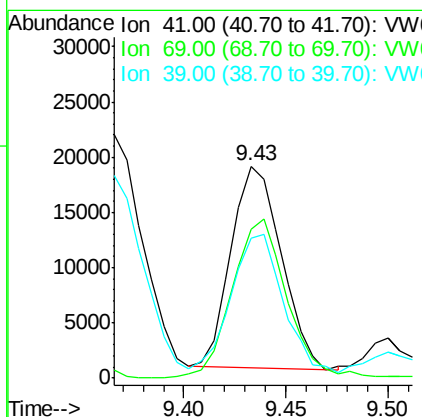
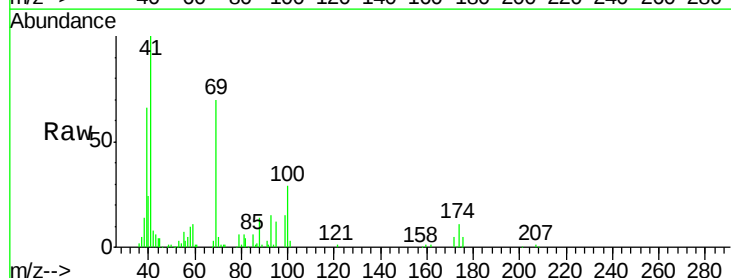
Manual Integrations
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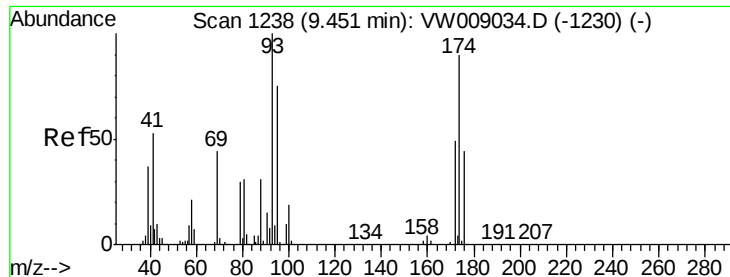
MMDadoda
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#48
Methyl methacrylate
Concen: 17.801 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW009080.D
Acq: 11 Mar 2019 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	31487		
69	85.8	59.1	88.7	
39	69.8	48.9	73.3	





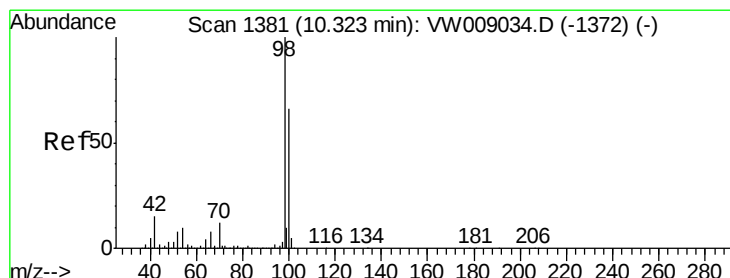
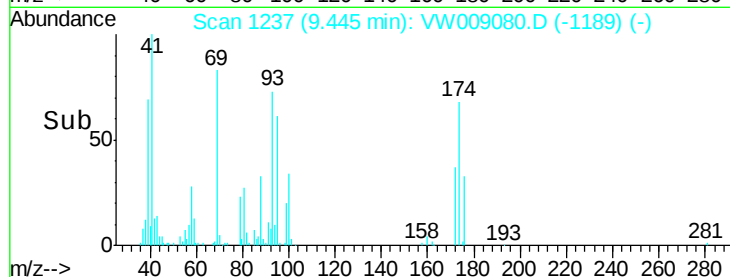
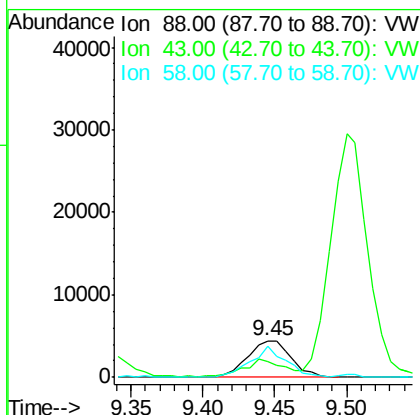
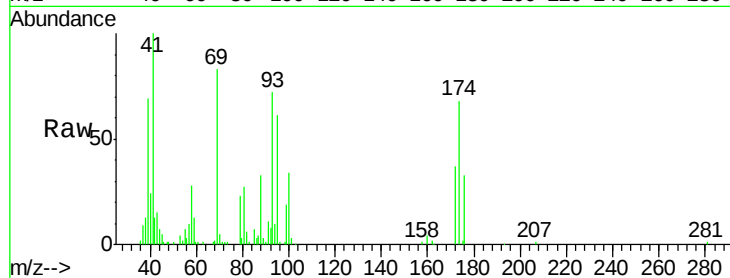
#49
1,4-Dioxane
Concen: 406.749 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VW009080.D
Acq: 11 Mar 2019 12:22

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBSD01

Tot Ion	88	Resp	9235
Ion	Ratio	Lower	Upper
88	100		
43	44.7	29.0	43.4#
58	70.0	59.2	88.8

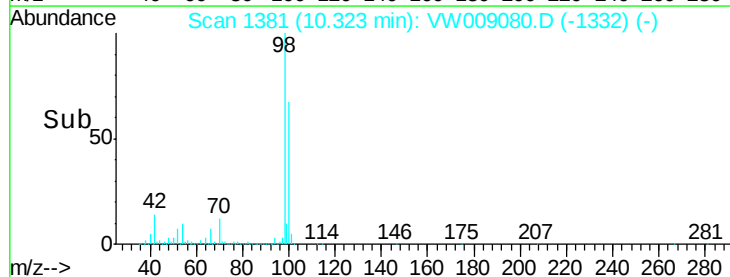
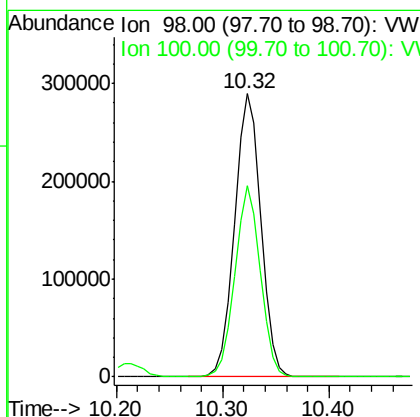
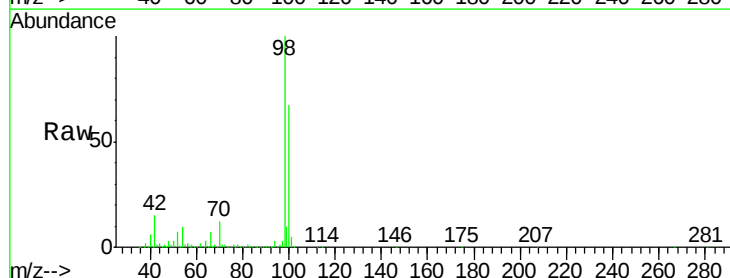
Manual Integrations
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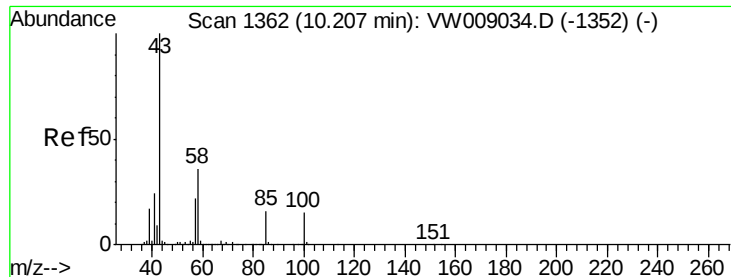
MMDadoda
3/12/2019 1:15:46 PM



#50
Toluene-d8
Concen: 48.832 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW009080.D
Acq: 11 Mar 2019 12:22

Tgt Ion	98	Resp	501473
Ion	Ratio	Lower	Upper
98	100		
100	65.3	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 96.031 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW009080.D

Acq: 11 Mar 2019 12:22

Instrument :

MSVOA_W

ClientSampleId :

VW0311SBS01

Tot Ion: 43 Resp: 185195

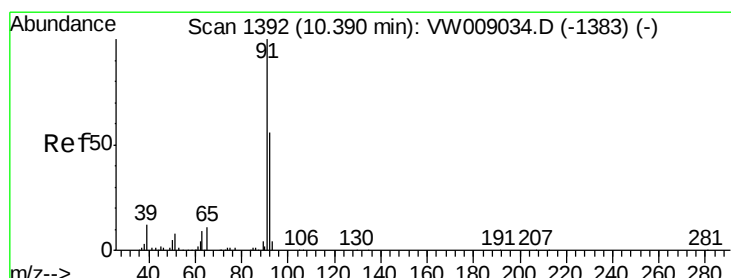
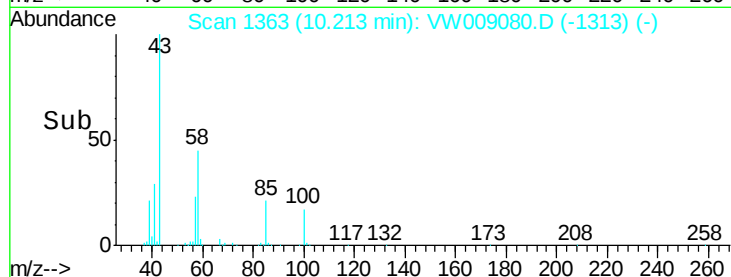
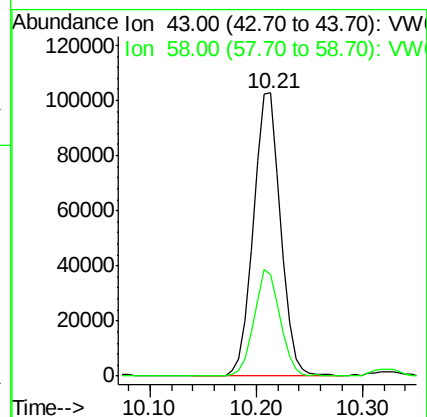
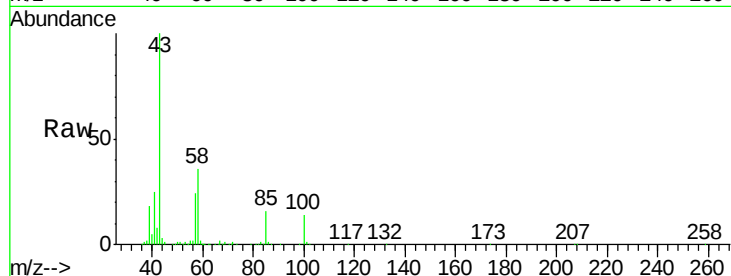
Ion Ratio Lower Upper

43 100

58 35.9 28.8 43.2

Manual Integrations
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#52

Toluene

Concen: 19.907 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW009080.D

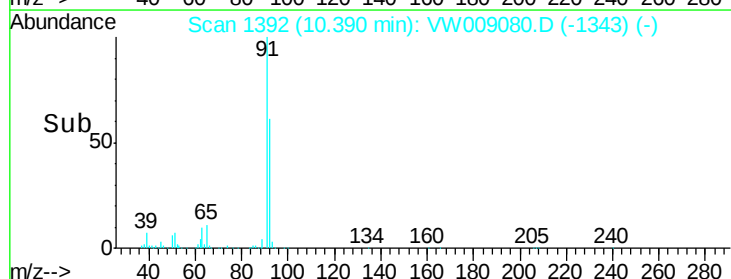
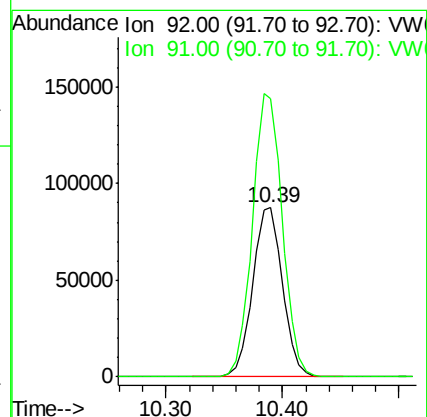
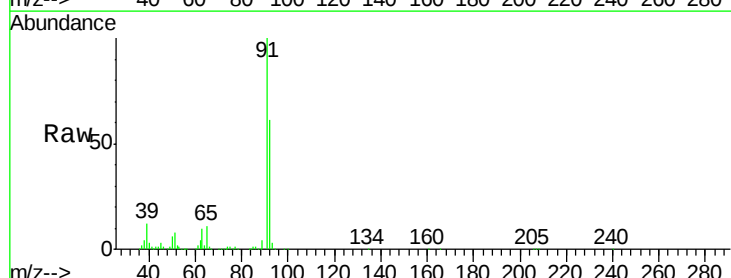
Acq: 11 Mar 2019 12:22

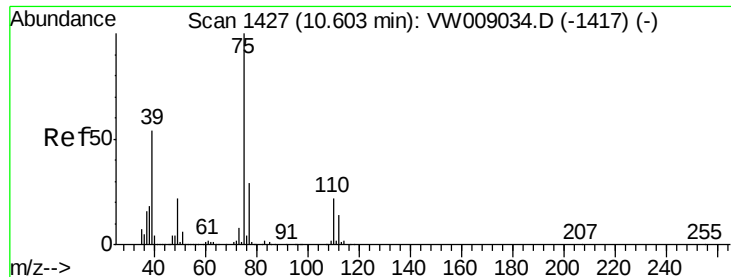
Tgt Ion: 92 Resp: 156495

Ion Ratio Lower Upper

92 100

91 167.8 139.9 209.9





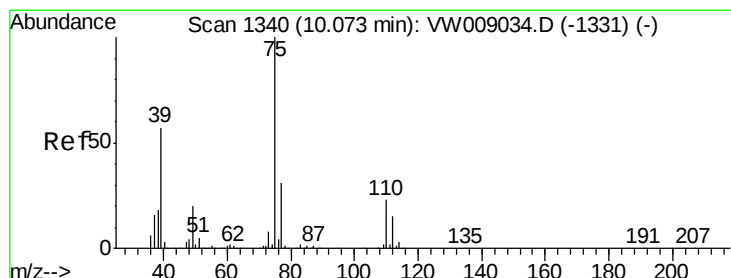
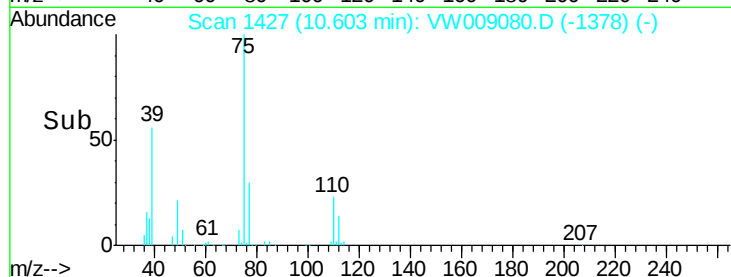
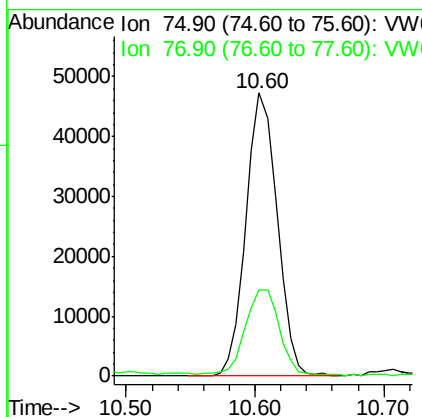
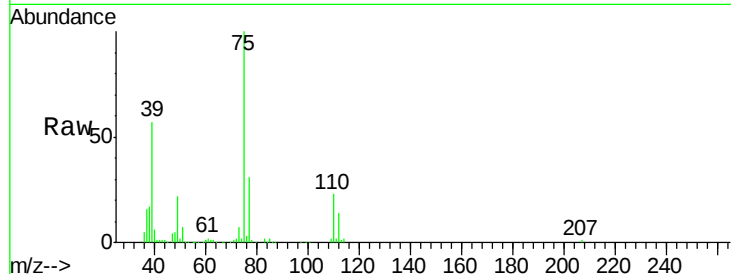
#53
t-1,3-Dichloropropene
Concen: 19.978 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW009080.D
Acq: 11 Mar 2019 12:22

Instrument :
MSVOA_W
ClientSampleID :
VW0311SBSD01

Tot Ion: 75 Resp: 79302
Ion Ratio Lower Upper
75 100
77 30.0 23.6 35.4

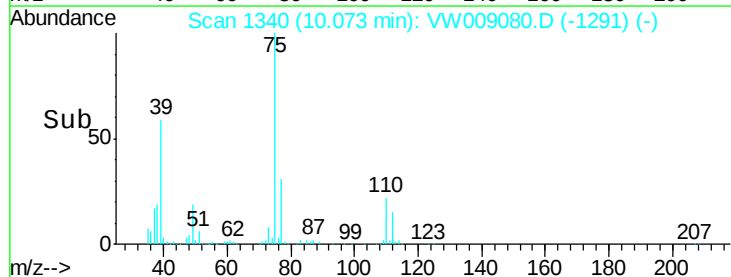
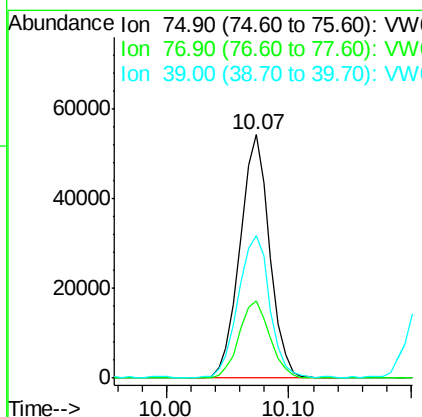
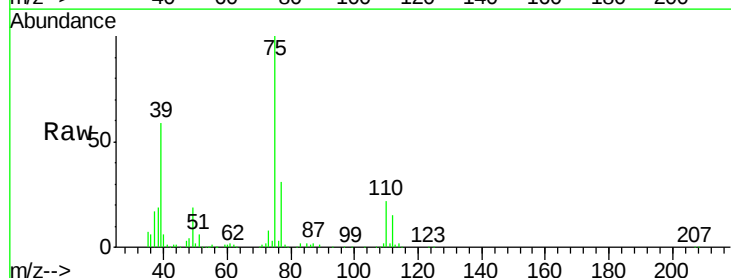
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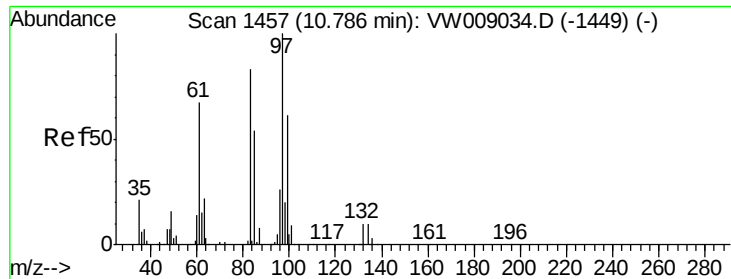
MMDadoda
3/12/2019 1:15:46 PM



#54
cis-1,3-Dichloropropene
Concen: 19.995 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW009080.D
Acq: 11 Mar 2019 12:22

Tgt Ion: 75 Resp: 91211
Ion Ratio Lower Upper
75 100
77 31.4 24.6 36.8
39 58.5 45.9 68.9





#55

1,1,2-Trichloroethane

Concen: 20.249 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW009080.D

Acq: 11 Mar 2019 12:22

Instrument :

MSVOA_W

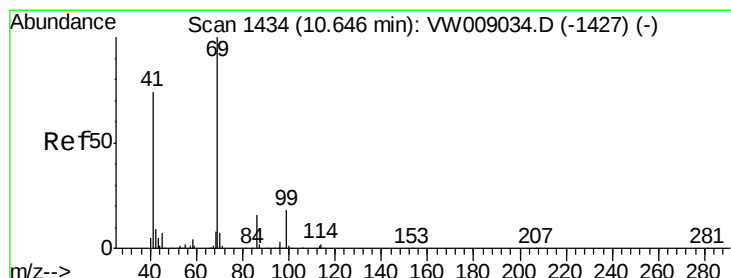
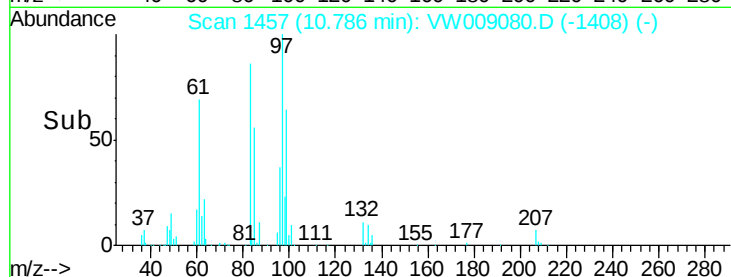
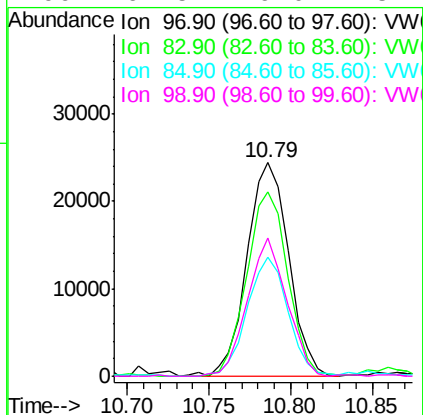
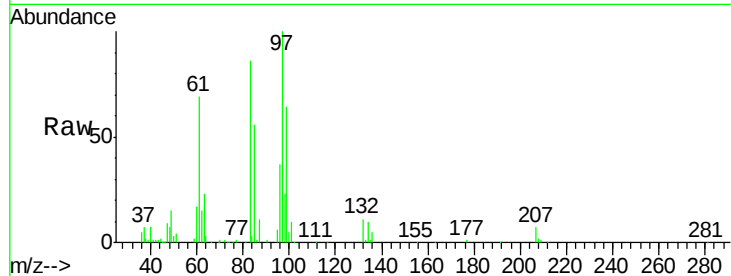
ClientSampleId :

VW0311SBS01

Tot Ion:	97	Resp:	43515
Ion	Ratio	Lower	Upper
97	100		
83	86.2	66.2	99.2
85	55.6	43.6	65.4
99	64.5	49.0	73.4

Manual Integrations
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3/12/2019 1:15:46 PM



#56

Ethyl methacrylate

Concen: 18.863 ug/l

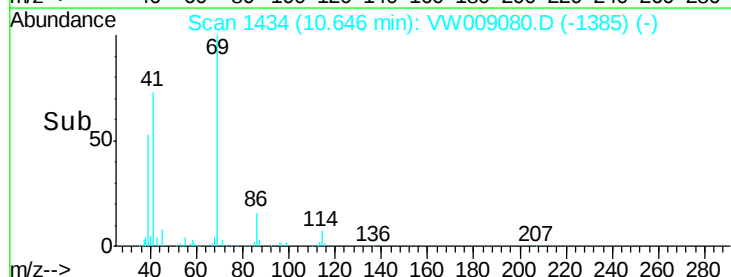
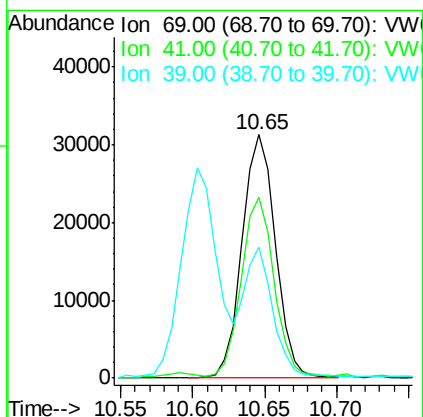
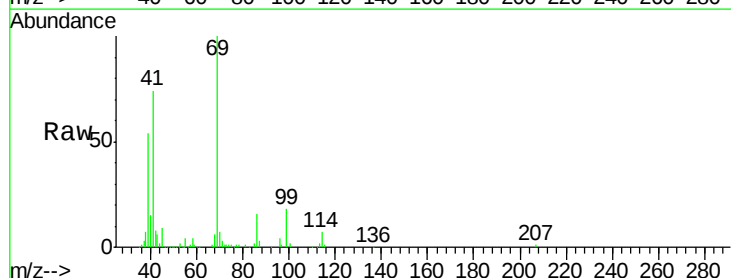
RT: 10.65 min Scan# 1434

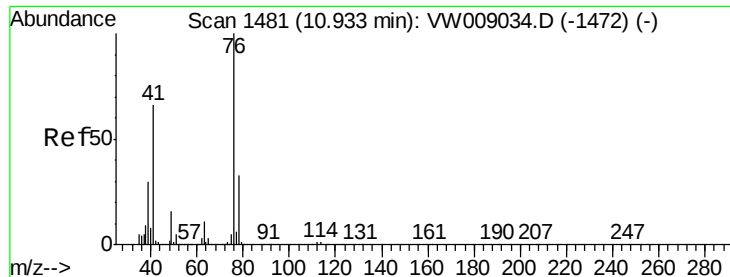
Delta R.T. 0.00 min

Lab File: VW009080.D

Acq: 11 Mar 2019 12:22

Tgt Ion:	69	Resp:	50308
Ion	Ratio	Lower	Upper
69	100		
41	73.6	59.4	89.2
39	46.0	38.5	57.7





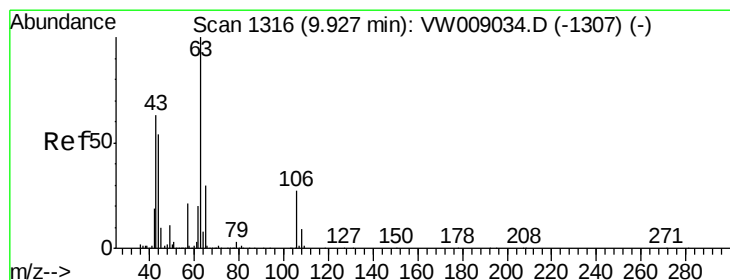
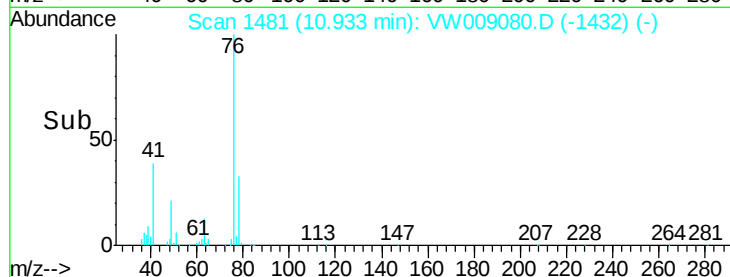
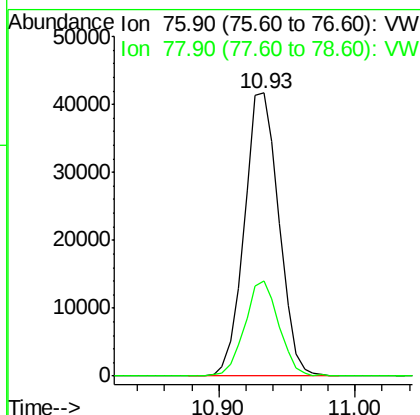
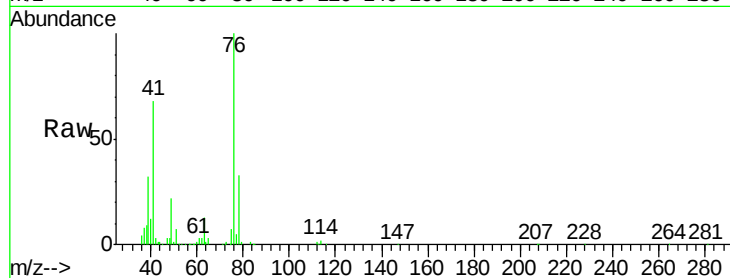
#57
 1,3-Dichloropropane
 Concen: 19.493 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW009080.D
 Acq: 11 Mar 2019 12:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0311SBSD01

Tot Ion	76	Resp	74210
Ion Ratio	Lower	Upper	
76	100		
78	33.1	25.7	38.5

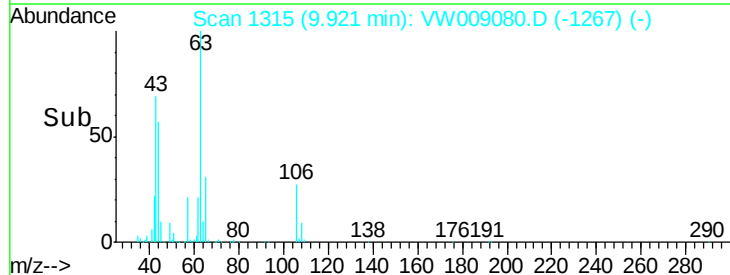
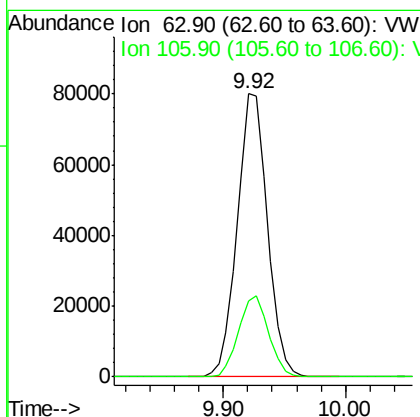
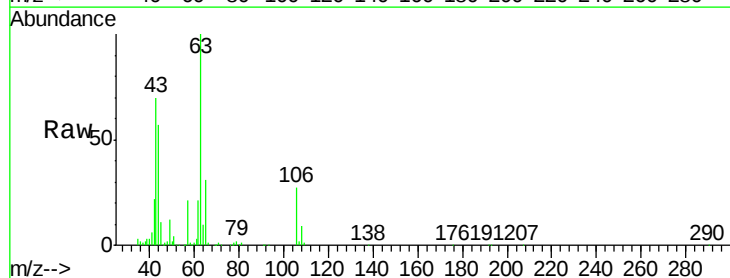
Manual Integrations
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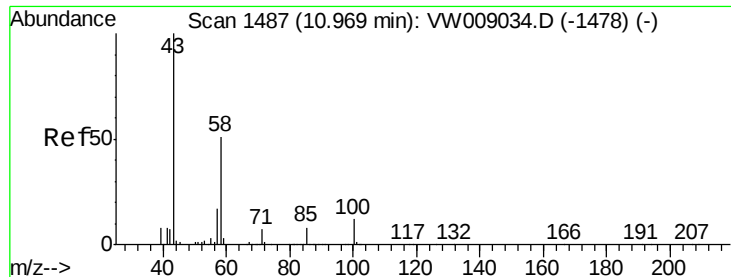
MMDadoda
 3/12/2019 1:15:46 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.995 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW009080.D
 Acq: 11 Mar 2019 12:22

Tgt Ion	63	Resp	136874
Ion Ratio	Lower	Upper	
63	100		
106	28.5	23.0	34.6





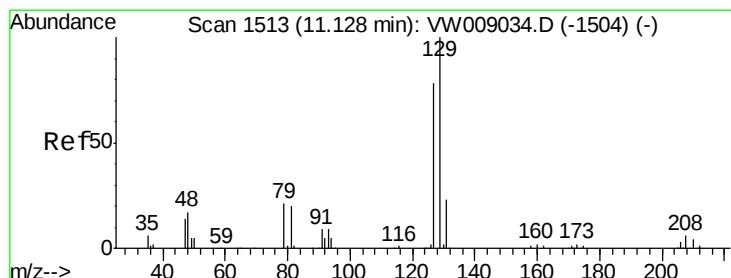
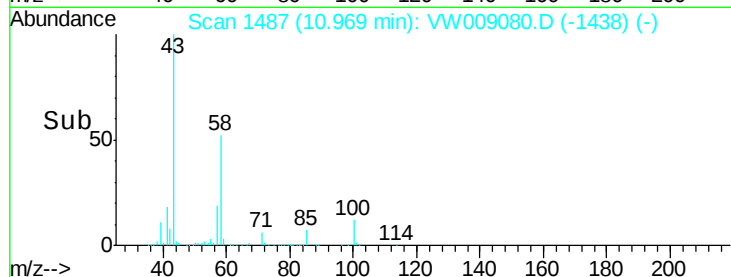
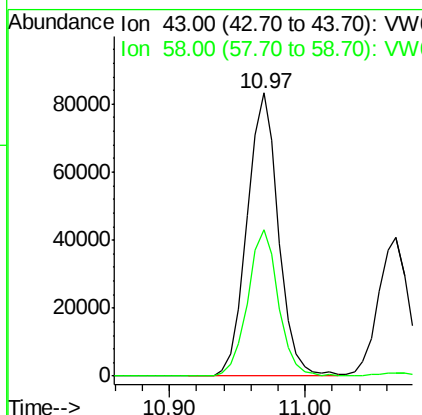
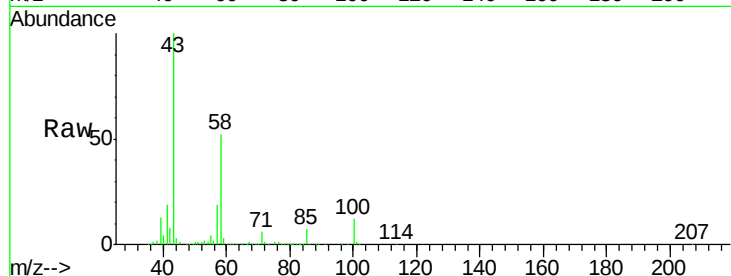
#59
2-Hexanone
Concen: 98.975 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW009080.D
Acq: 11 Mar 2019 12:22

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBSD01

Tot Ion: 43 Resp: 134200
Ion Ratio Lower Upper
43 100
58 50.8 25.3 75.9

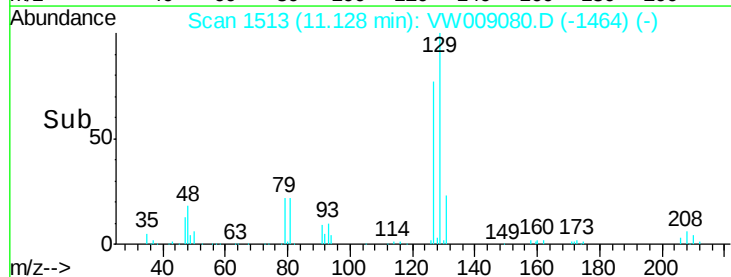
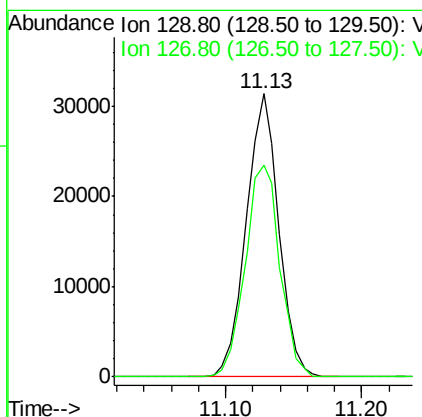
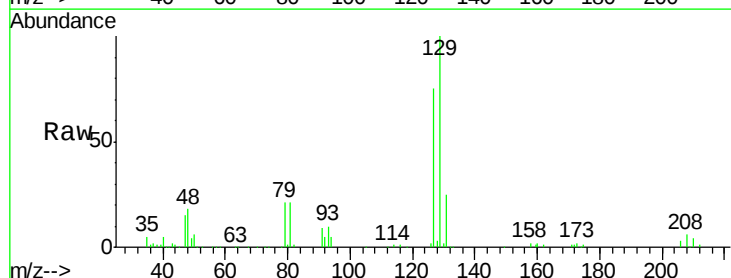
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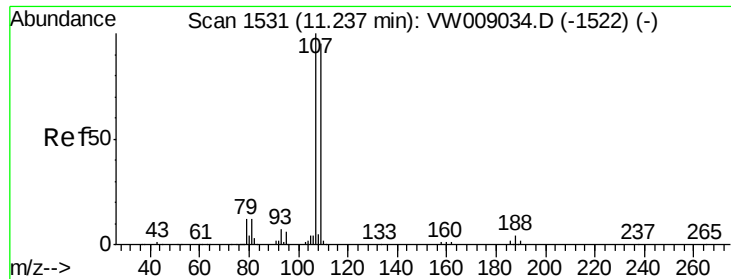
MMDadoda
3/12/2019 1:15:46 PM



#60
Dibromochloromethane
Concen: 19.711 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW009080.D
Acq: 11 Mar 2019 12:22

Tgt Ion:129 Resp: 52421
Ion Ratio Lower Upper
129 100
127 79.9 38.4 115.1





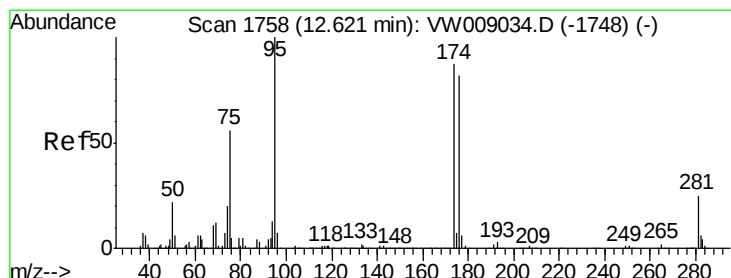
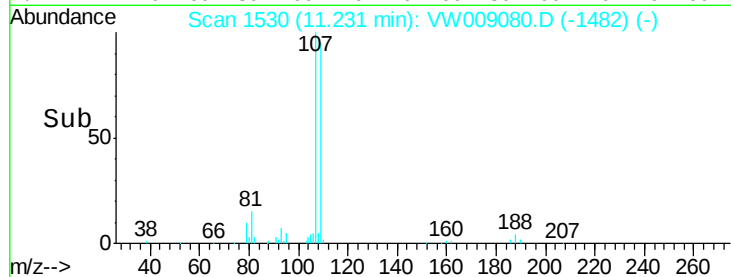
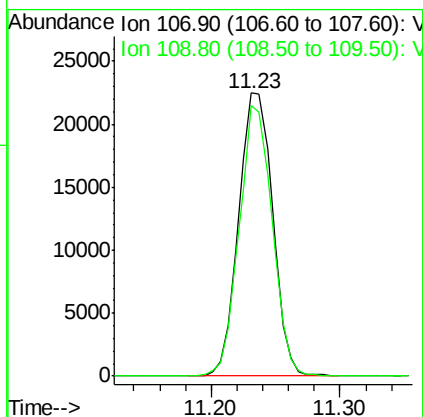
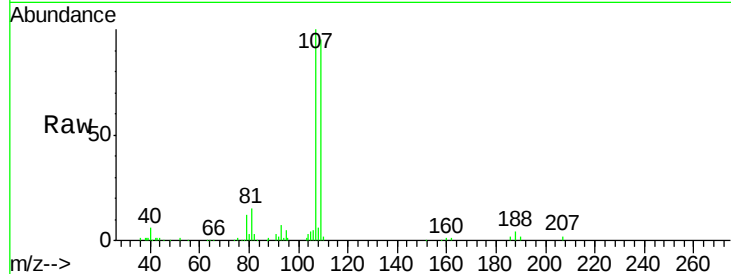
#61
 1,2-Dibromoethane
 Concen: 19.518 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW009080.D
 Acq: 11 Mar 2019 12:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0311SBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.8	74.7	112.1

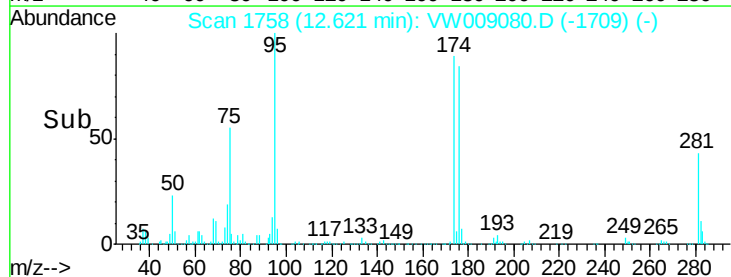
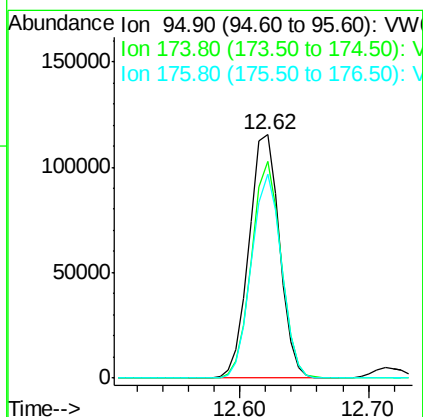
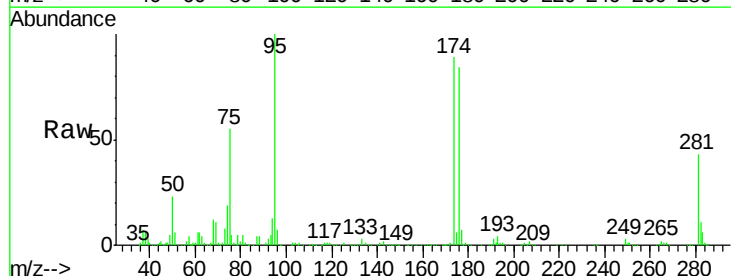
Manual Integrations
 APPROVED

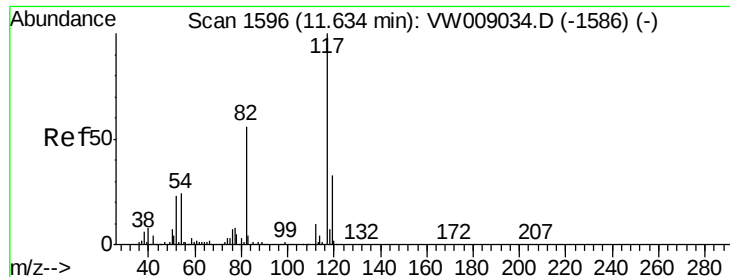
MMDadoda
 3/12/2019 1:15:46 PM



#62
 4-Bromofluorobenzene
 Concen: 46.463 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW009080.D
 Acq: 11 Mar 2019 12:22

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.1	0.0	167.0
176	82.6	0.0	159.4





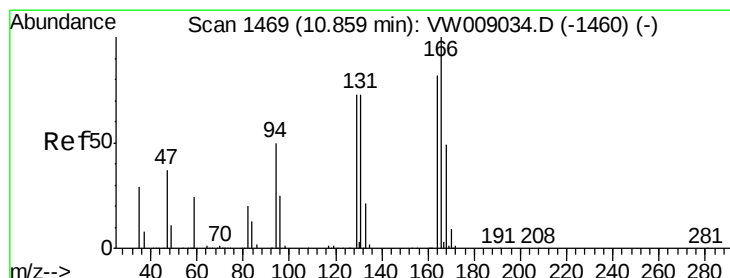
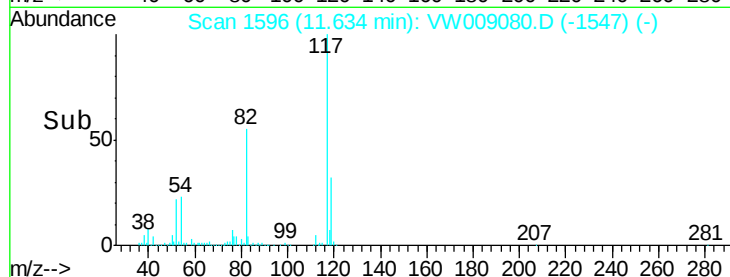
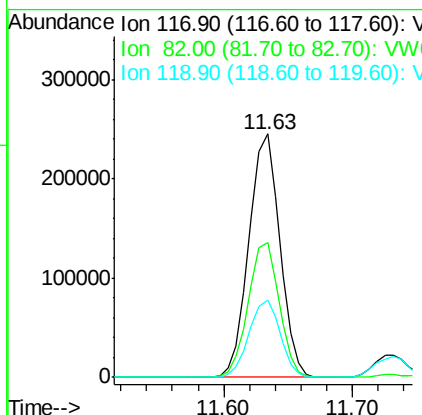
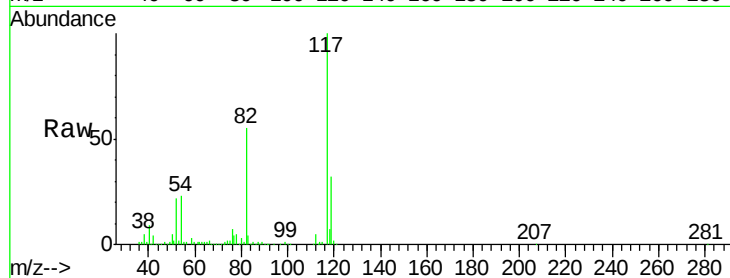
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009080.D
Acq: 11 Mar 2019 12:22

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.2	45.0	67.6
119	31.7	26.6	39.8

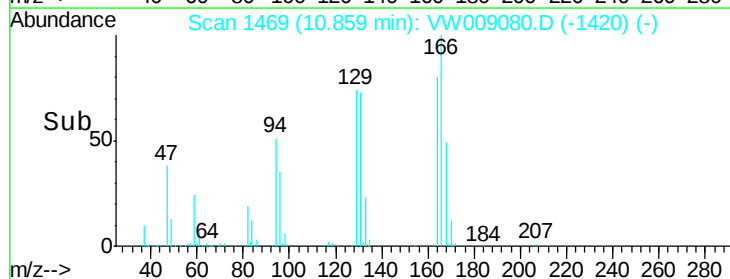
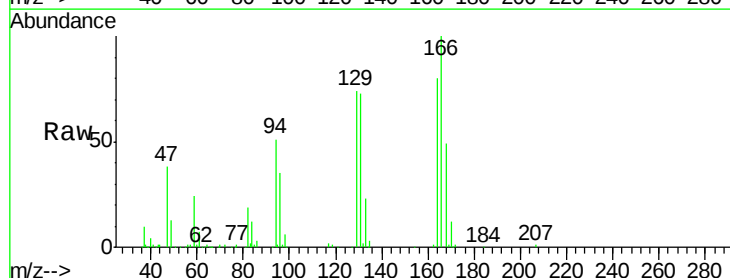
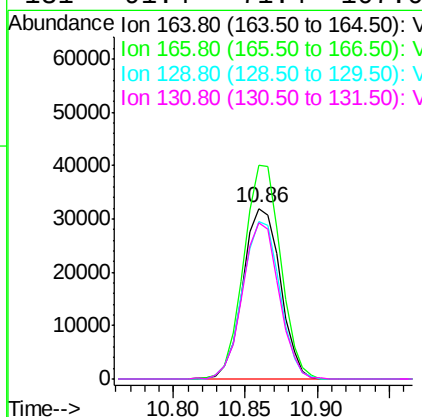
Manual Integrations
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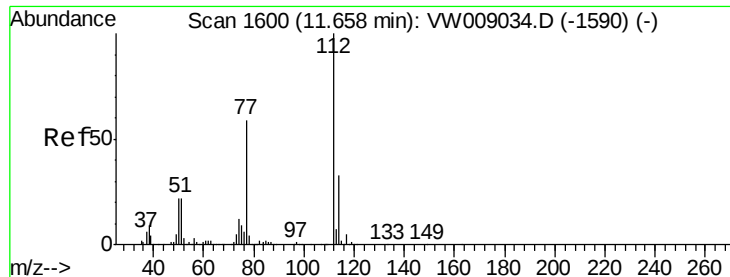
MMDadoda
3/12/2019 1:15:46 PM



#64
Tetrachloroethene
Concen: 19.566 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW009080.D
Acq: 11 Mar 2019 12:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.3	97.8	146.6
129	92.2	71.6	107.4
131	91.4	71.4	107.0





#65

Chlorobenzene

Concen: 19.252 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW009080.D

Acq: 11 Mar 2019 12:22

Instrument :

MSVOA_W

ClientSampleId :

VW0311SBS01

Tot Ion:112 Resp: 170434

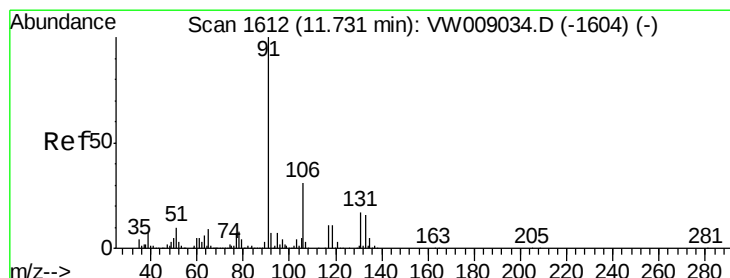
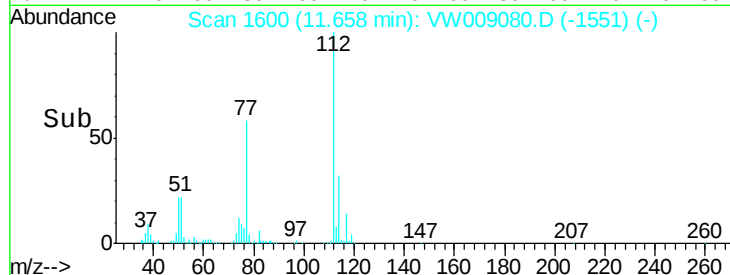
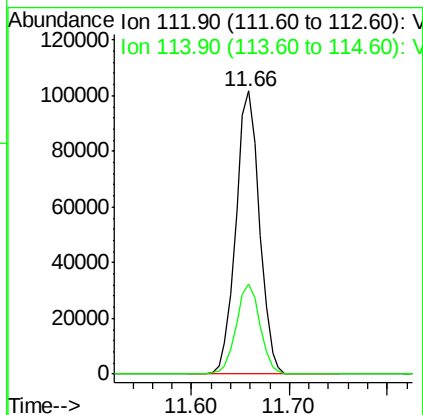
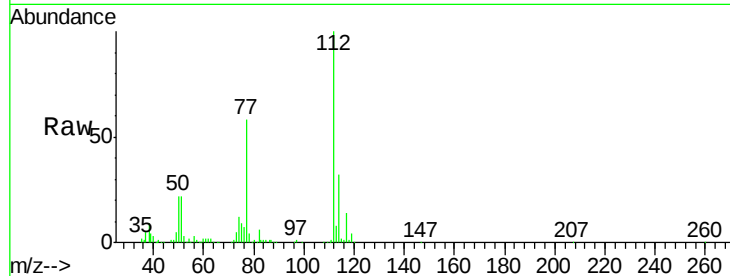
Ion Ratio Lower Upper

112 100

114 31.9 26.6 40.0

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 19.431 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW009080.D

Acq: 11 Mar 2019 12:22

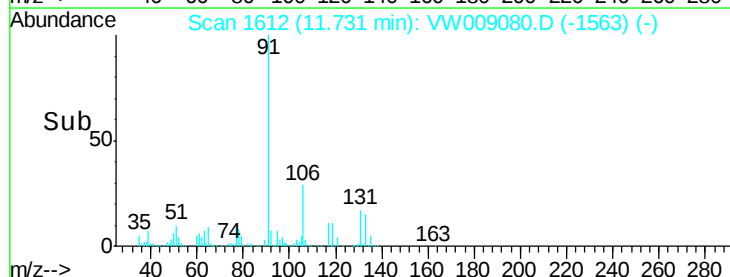
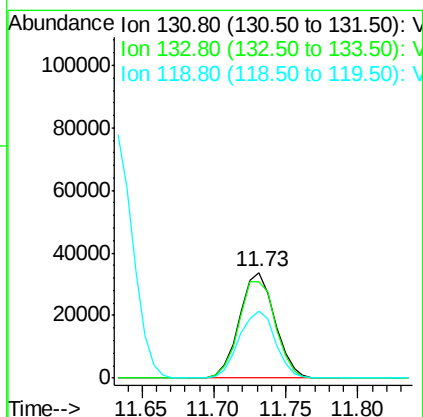
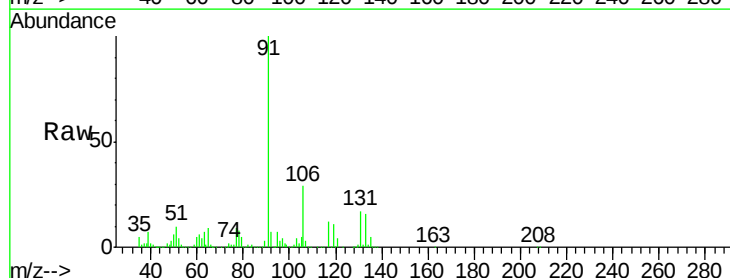
Tgt Ion:131 Resp: 57435

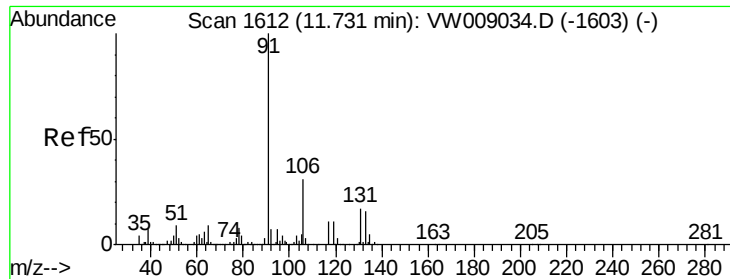
Ion Ratio Lower Upper

131 100

133 95.8 47.6 142.8

119 64.7 31.3 93.8





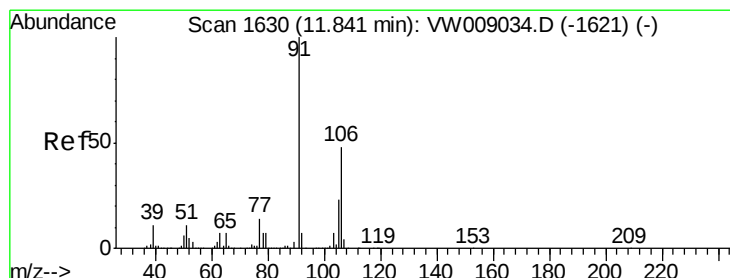
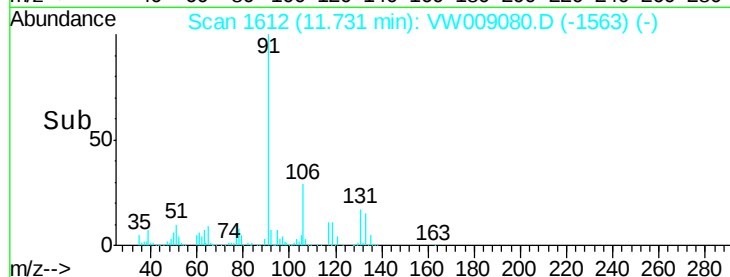
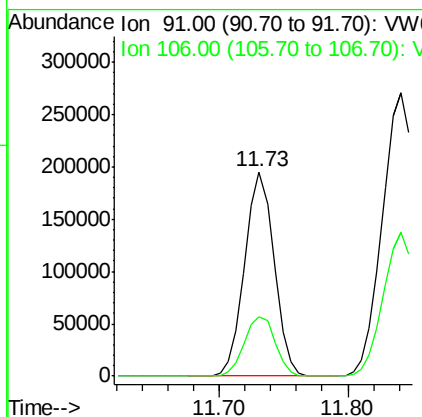
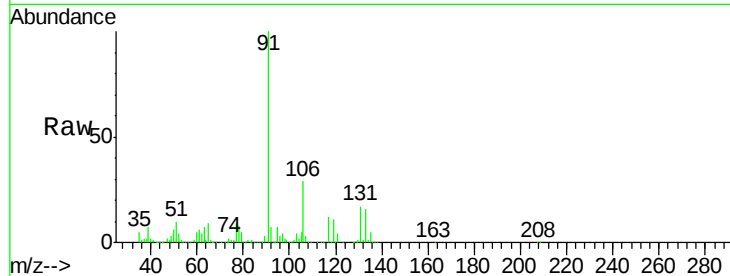
#67
Ethyl Benzene
Concen: 19.298 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009080.D
Acq: 11 Mar 2019 12:22

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBSD01

Tot Ion: 91 Resp: 308622
Ion Ratio Lower Upper
91 100
106 28.9 25.0 37.4

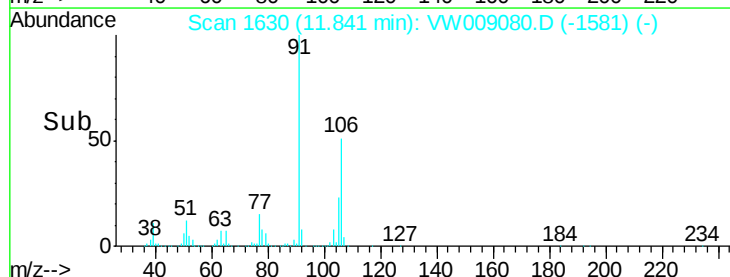
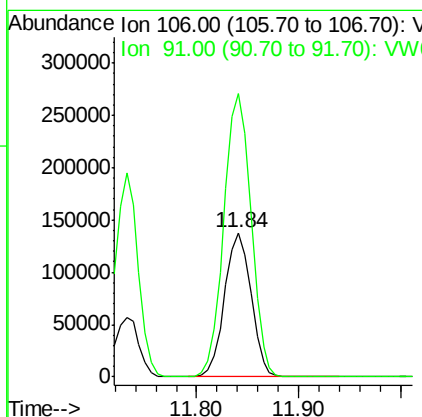
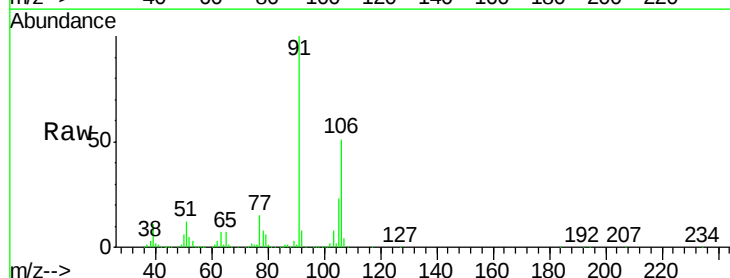
Manual Integrations
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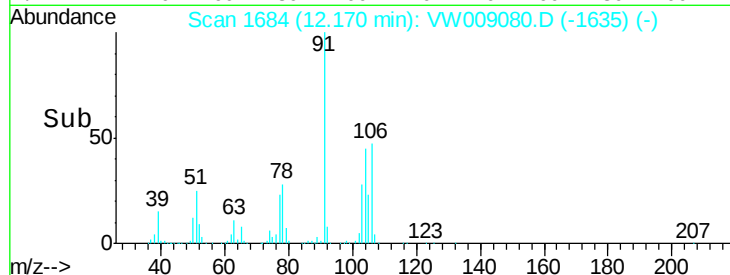
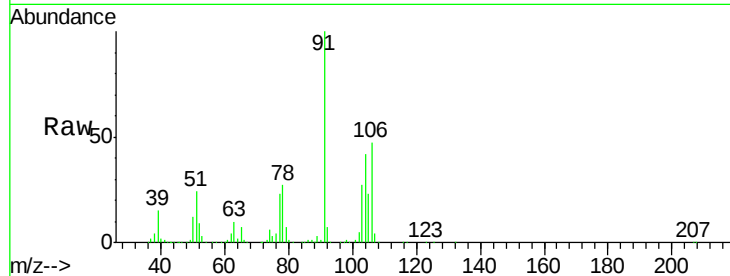
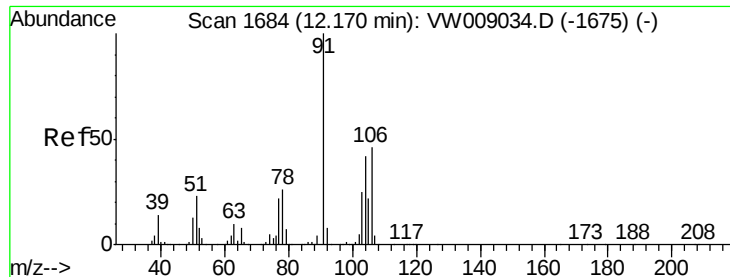
MMDadoda
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#68
m/p-Xylenes
Concen: 39.336 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW009080.D
Acq: 11 Mar 2019 12:22

Tgt Ion: 106 Resp: 248313
Ion Ratio Lower Upper
106 100
91 201.5 163.2 244.8





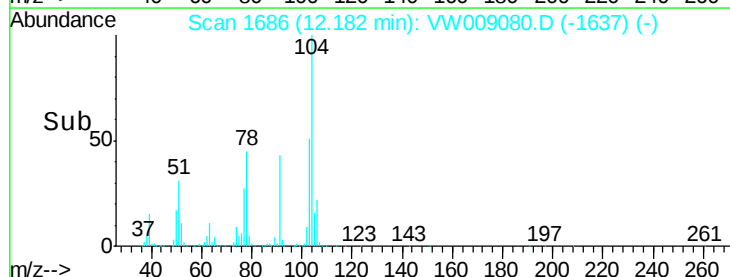
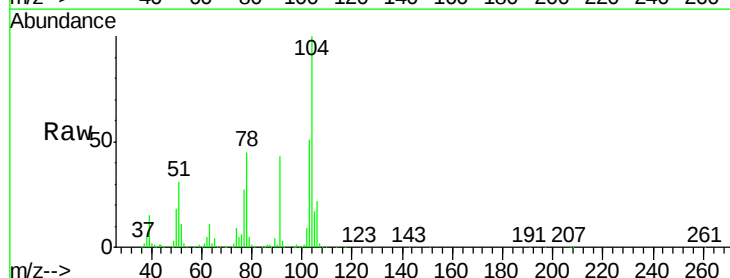
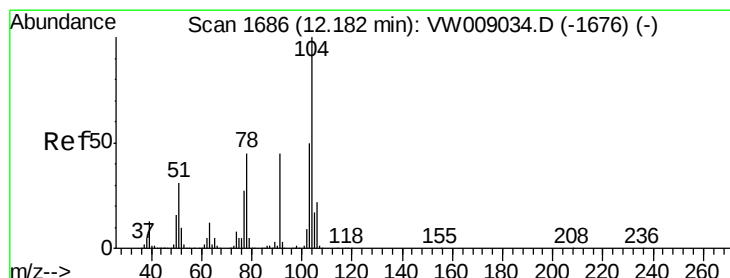
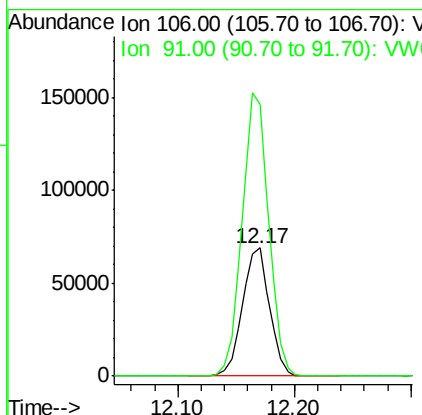
#69
o-Xylene
Concen: 19.039 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW009080.D
Acq: 11 Mar 2019 12:22

Tot Ion:106 Resp: 111827
Ion Ratio Lower Upper
106 100
91 217.9 108.6 325.6

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBS01

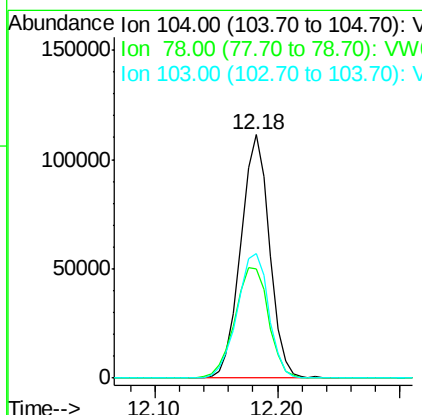
Manual Integrations
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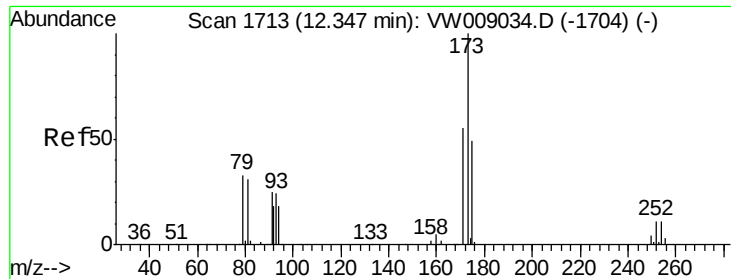
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#70
Styrene
Concen: 19.089 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW009080.D
Acq: 11 Mar 2019 12:22

Tgt Ion:104 Resp: 181406
Ion Ratio Lower Upper
104 100
78 53.3 42.1 63.1
103 56.6 43.9 65.9





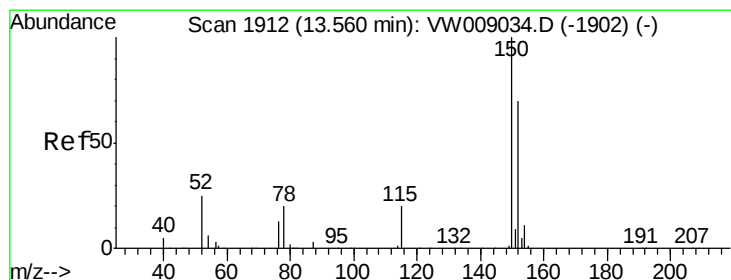
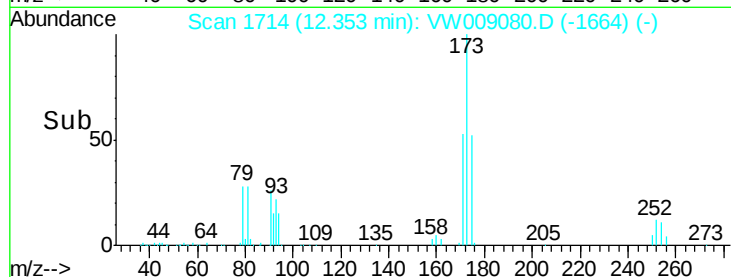
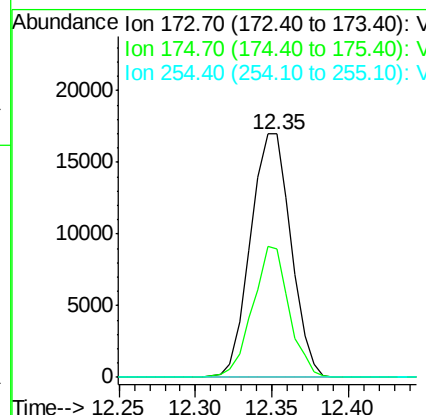
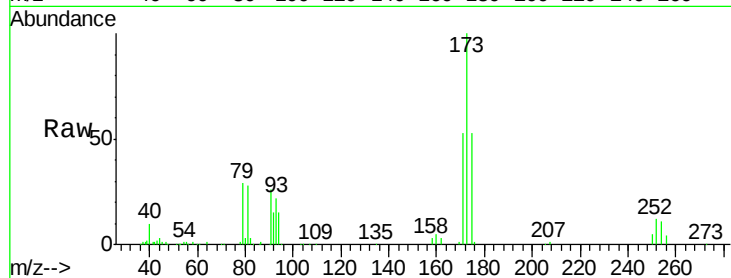
#71
Bromoform
Concen: 19.731 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.01 min
Lab File: VW009080.D
Acq: 11 Mar 2019 12:22

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.6	74.0
254	0.0	0.0	0.0

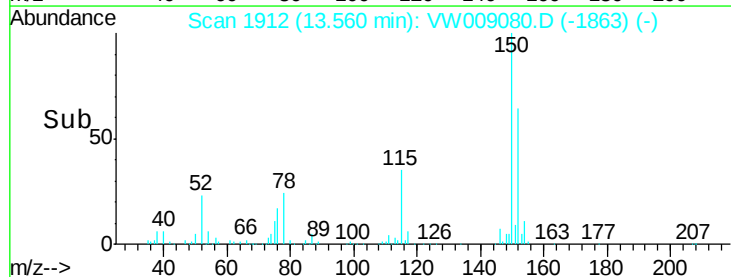
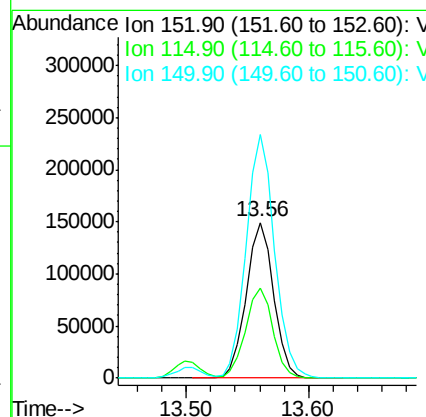
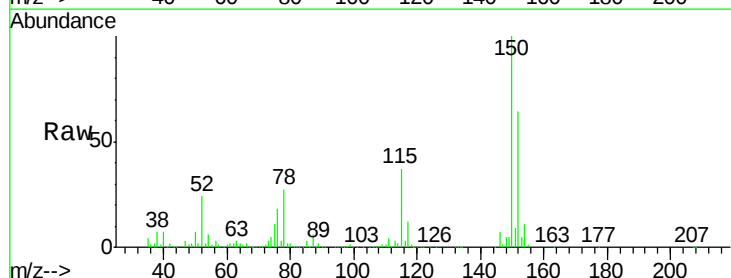
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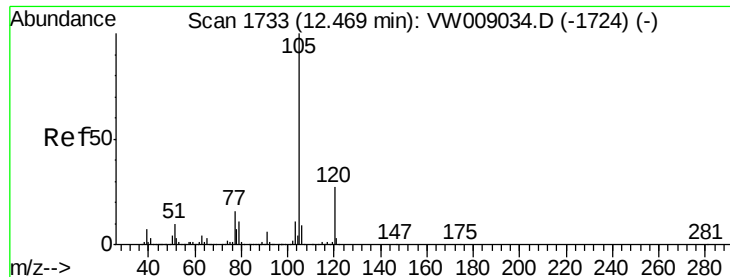
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW009080.D
Acq: 11 Mar 2019 12:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.7	28.9	86.7
150	162.5	0.0	349.2





#73

Isopropylbenzene

Concen: 18.907 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW009080.D

Acq: 11 Mar 2019 12:22

Instrument :

MSVOA_W

ClientSampleId :

VW0311SBSD01

Tot Ion: 105 Resp: 313580

Ion Ratio Lower Upper

105 100

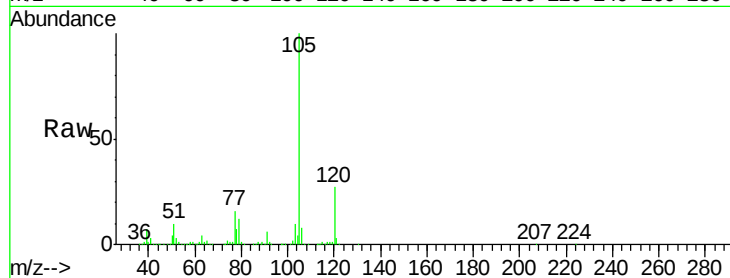
120 26.9 13.2 39.6

Manual Integrations

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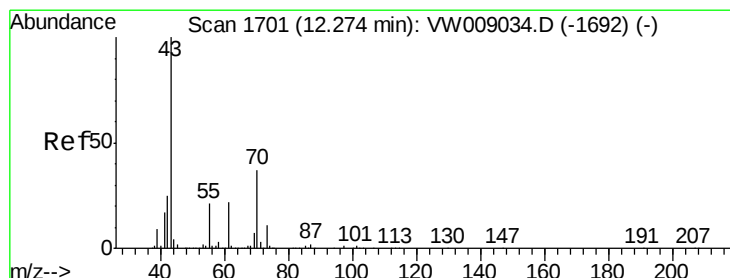
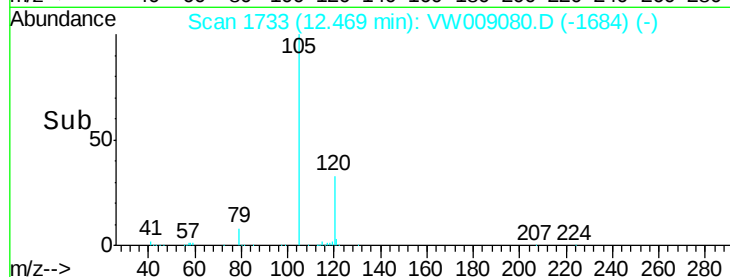
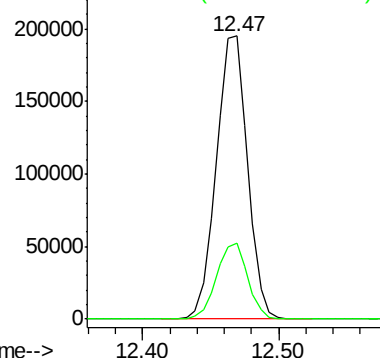
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.649 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW009080.D

Acq: 11 Mar 2019 12:22

Tgt Ion: 43 Resp: 73220

Ion Ratio Lower Upper

43 100

70 38.8 30.8 46.2

55 25.9 17.8 26.8

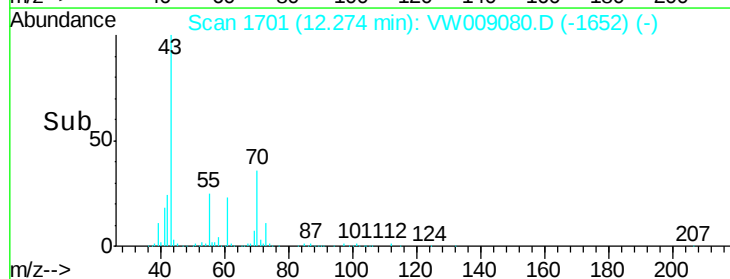
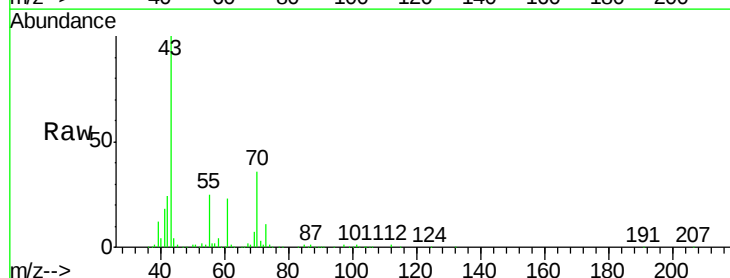
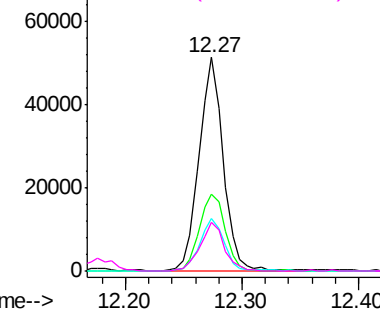
61 23.0 17.4 26.2

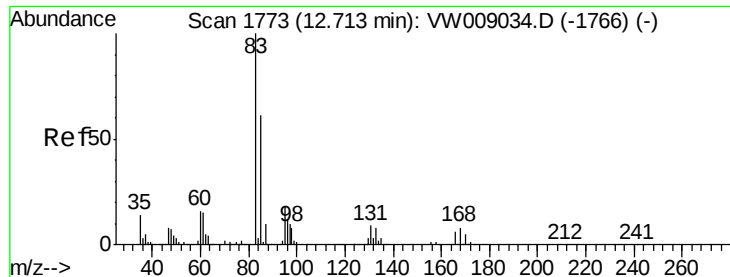
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 19.073 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009080.D

Acq: 11 Mar 2019 12:22

Instrument :

MSVOA_W

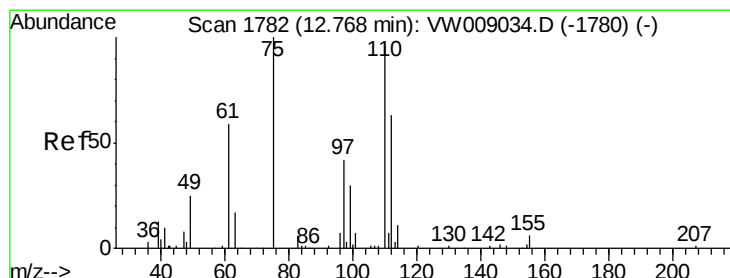
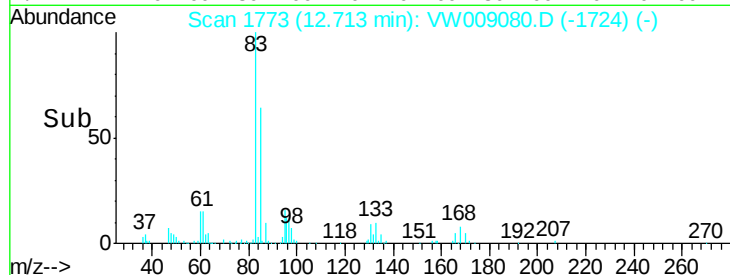
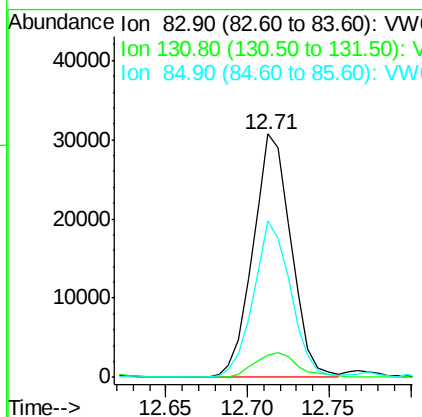
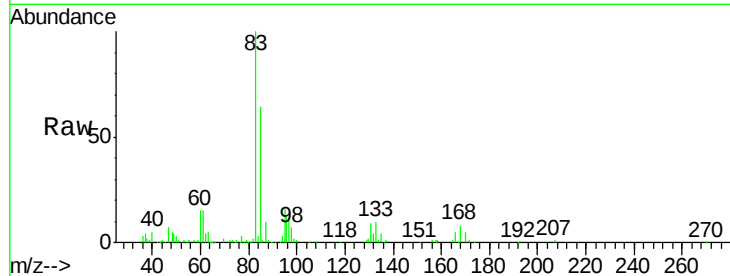
ClientSampleId :

VW0311SBSD01

Tot Ion:	83	Resp:	49900
Ion Ratio	Lower	Upper	
83	100		
131	11.5	5.5	16.7
85	62.8	31.7	95.1

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.211 ug/l m

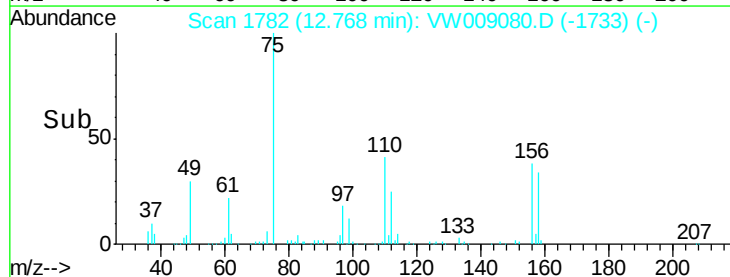
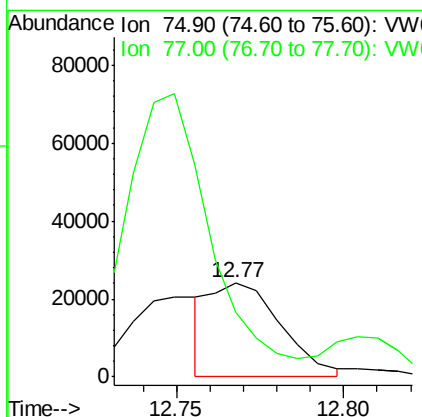
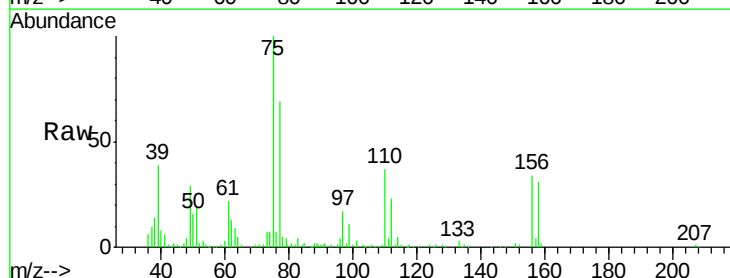
RT: 12.77 min Scan# 1782

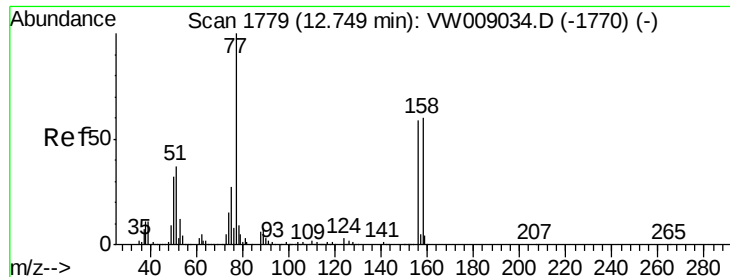
Delta R.T. 0.00 min

Lab File: VW009080.D

Acq: 11 Mar 2019 12:22

Tgt Ion:	75	Resp:	35154
Ion Ratio	Lower	Upper	
75	100		
77	372.8	186.7	560.0





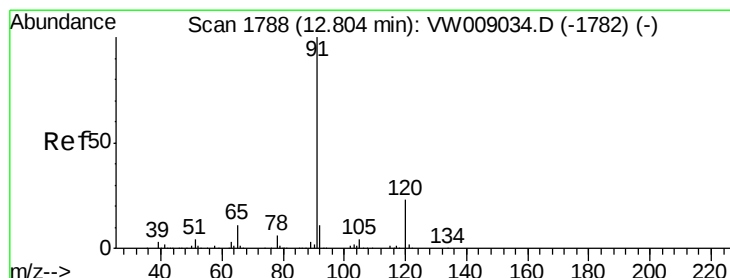
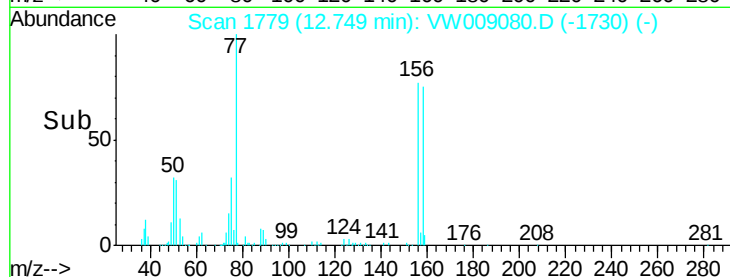
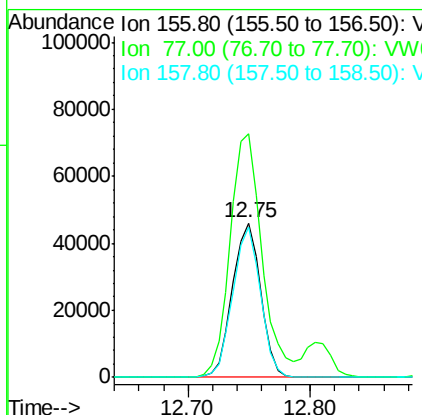
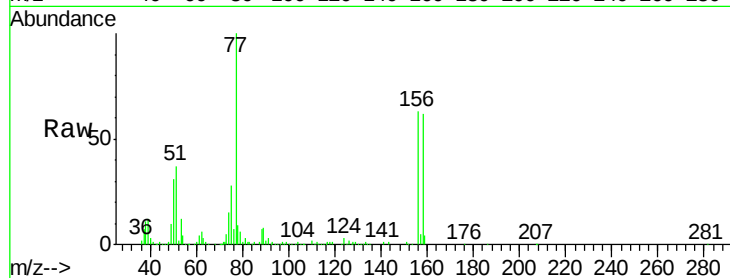
#77
Bromobenzene
Concen: 19.401 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW009080.D
Acq: 11 Mar 2019 12:22

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	178.3	93.0	279.2
158	95.3	50.0	149.8

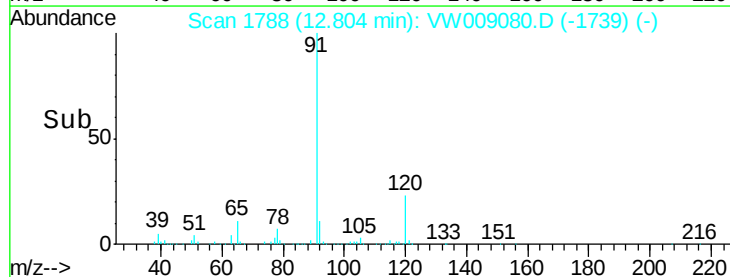
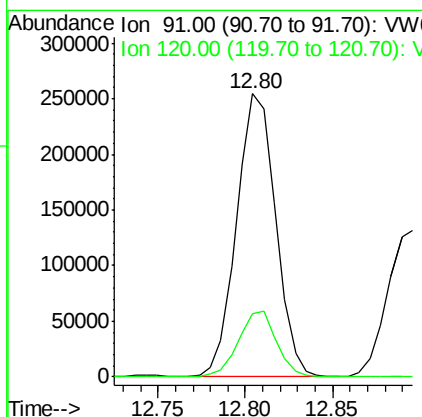
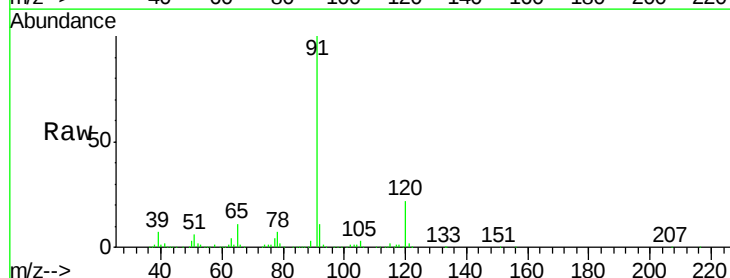
Manual Integrations
APPROVED

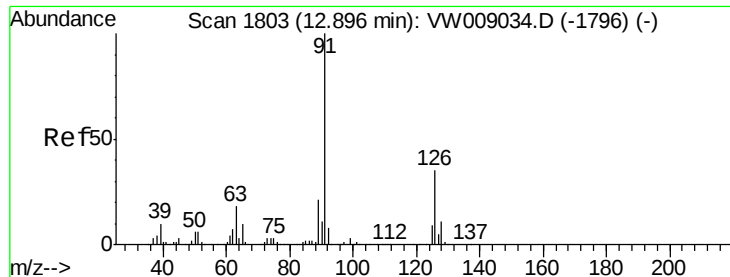
MMDadoda
3/12/2019 1:15:46 PM



#78
n-propylbenzene
Concen: 19.340 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW009080.D
Acq: 11 Mar 2019 12:22

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.4	34.2





#79

2-Chlorotoluene

Concen: 18.836 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW009080.D

Acq: 11 Mar 2019 12:22

Instrument :

MSVOA_W

ClientSampled :

VW0311SBSD01

Tot Ion: 91 Resp: 216195

Ion Ratio Lower Upper

91 100

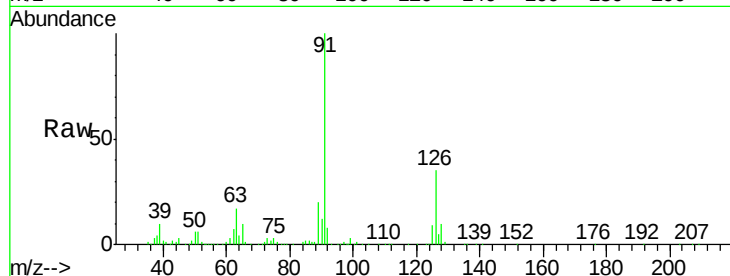
126 34.9 16.8 50.4

Manual Integrations

APPROVED

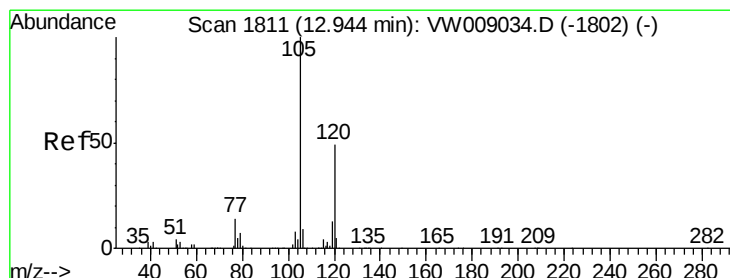
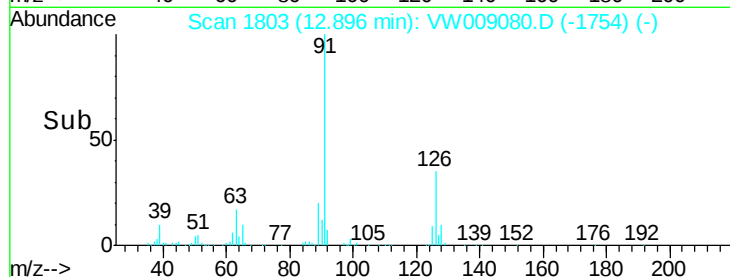
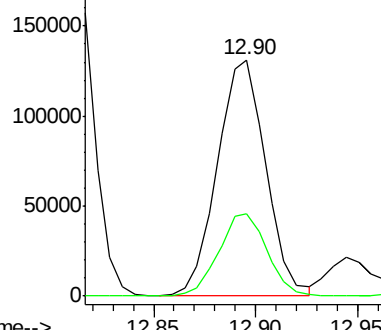
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.308 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW009080.D

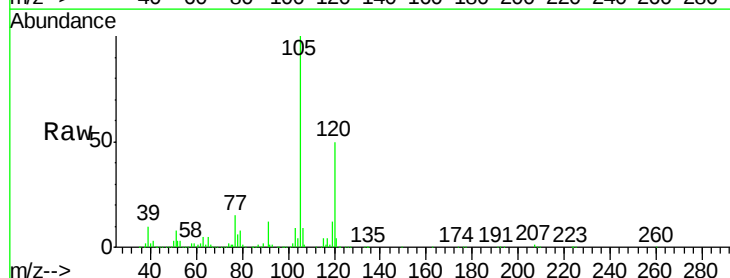
Acq: 11 Mar 2019 12:22

Tgt Ion: 105 Resp: 276035

Ion Ratio Lower Upper

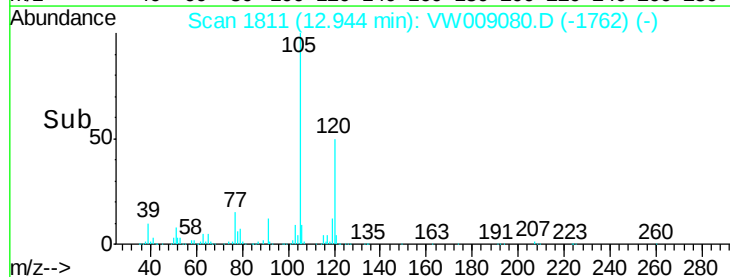
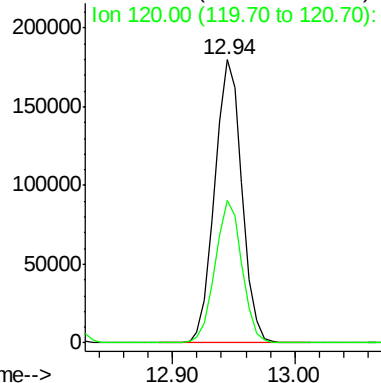
105 100

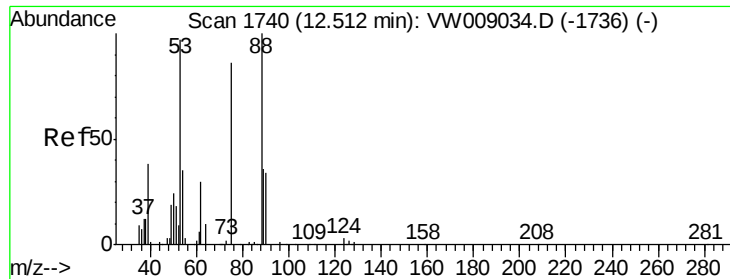
120 49.8 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





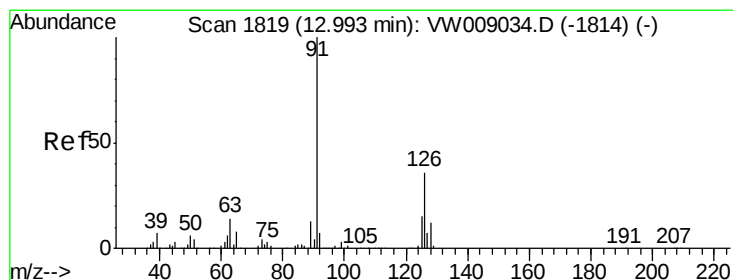
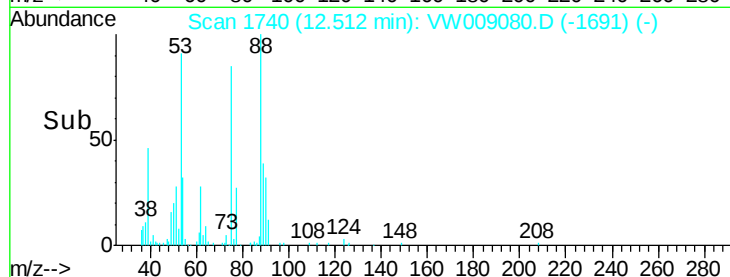
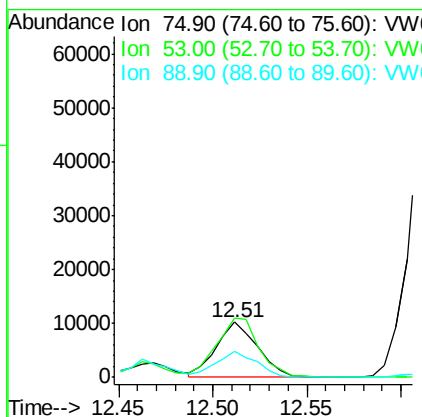
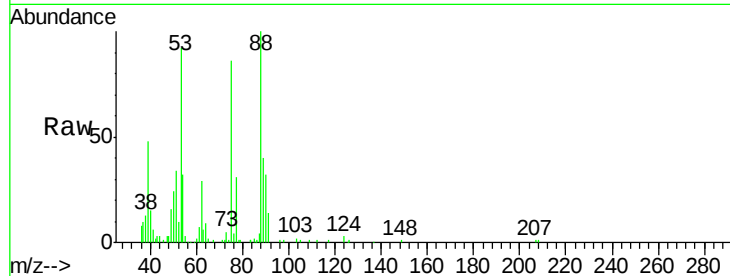
#81
trans-1,4-Dichloro-2-butene
Concen: 19.151 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW009080.D
Acq: 11 Mar 2019 12:22

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	109.1	90.5	135.7
89	46.6	37.5	56.3

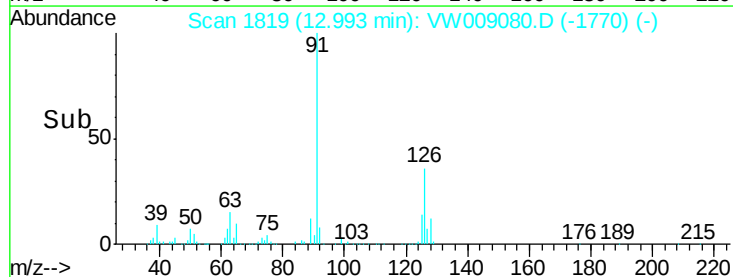
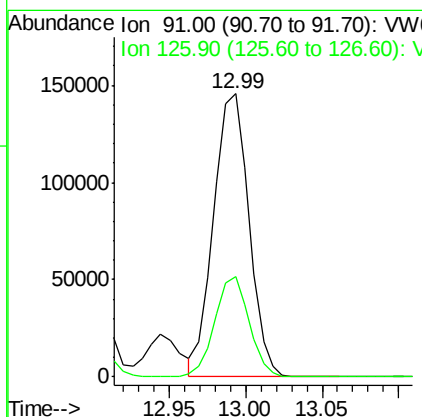
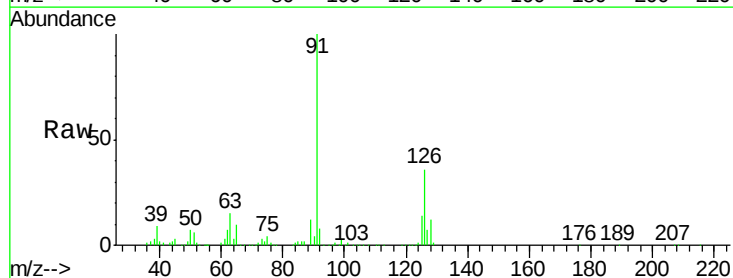
Manual Integrations
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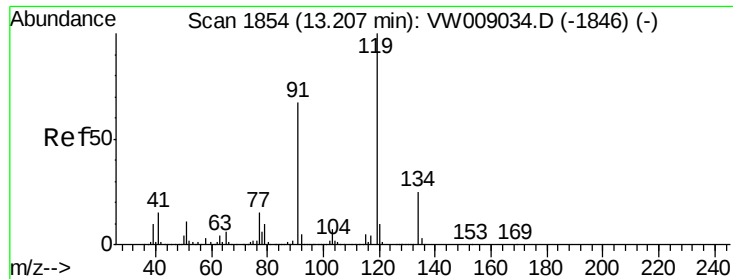
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#82
4-Chlorotoluene
Concen: 19.145 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW009080.D
Acq: 11 Mar 2019 12:22

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.5	16.6	49.8





#83

tert-Butylbenzene

Concen: 19.212 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VW009080.D

Acq: 11 Mar 2019 12:22

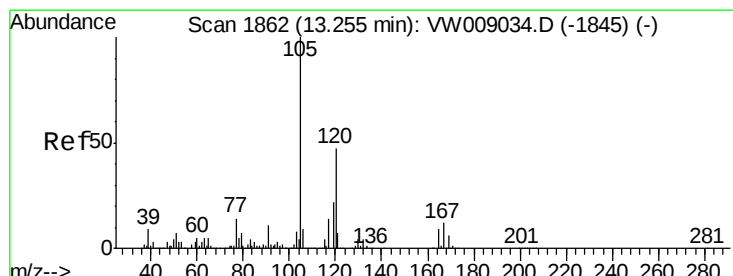
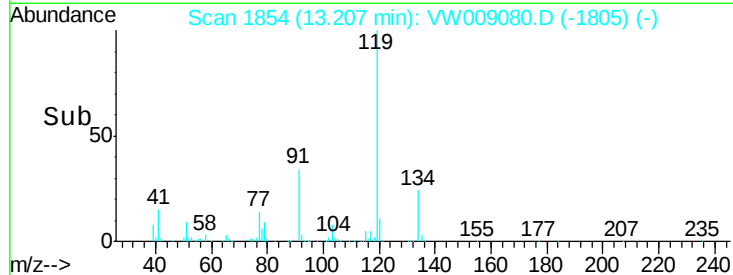
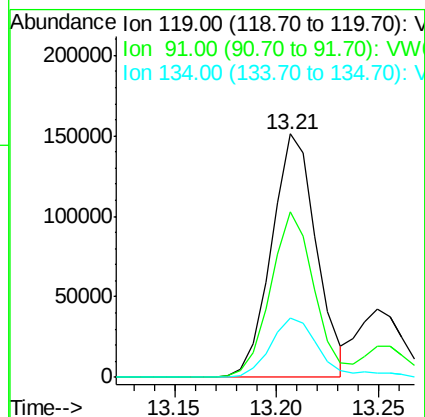
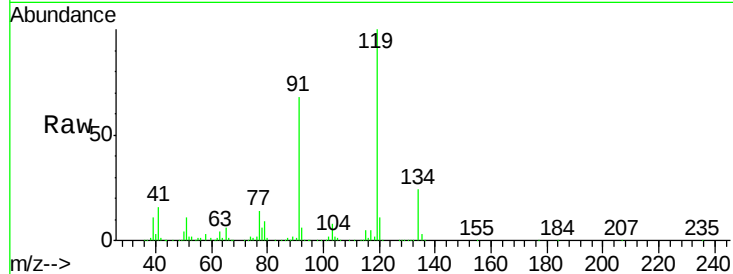
Instrument :
MSVOA_W

ClientSampleId :
VW0311SBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.1	34.2	102.5
134	27.2	13.9	41.6

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 19.284 ug/l

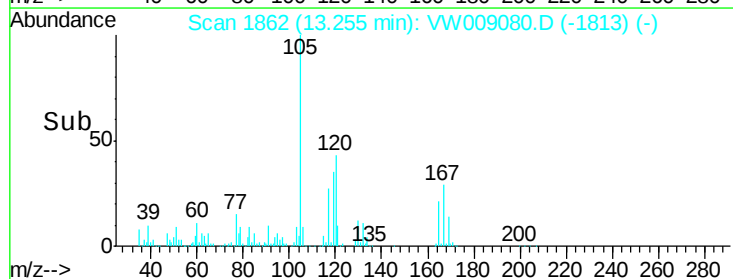
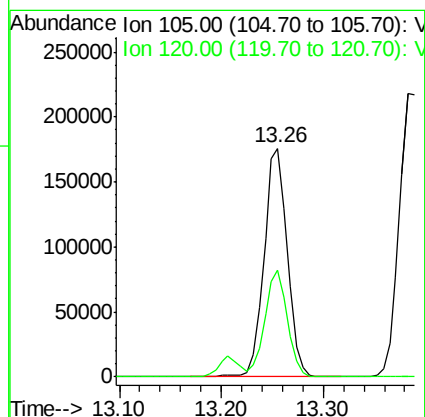
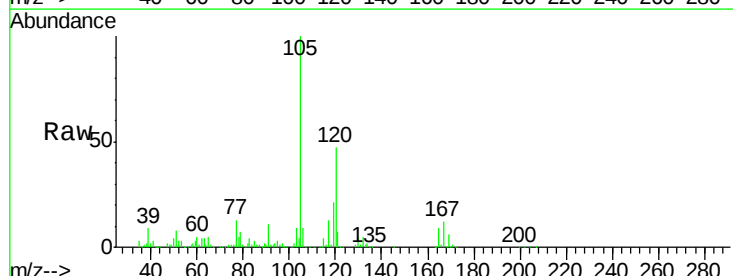
RT: 13.26 min Scan# 1862

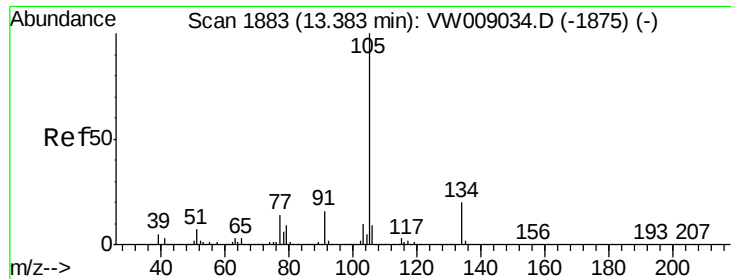
Delta R.T. 0.00 min

Lab File: VW009080.D

Acq: 11 Mar 2019 12:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.8	68.4





#85

sec-Butylbenzene

Concen: 19.355 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW009080.D

Acq: 11 Mar 2019 12:22

Instrument :

MSVOA_W

ClientSampleId :

VW0311SBSD01

Tot Ion:105 Resp: 345766

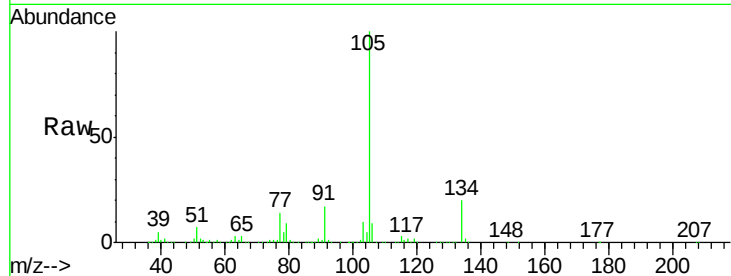
Ion Ratio Lower Upper

105 100

134 19.9 10.0 30.0

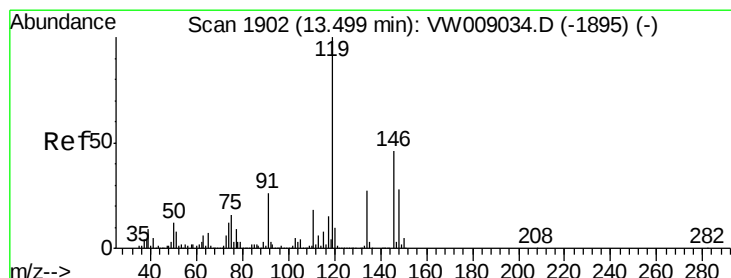
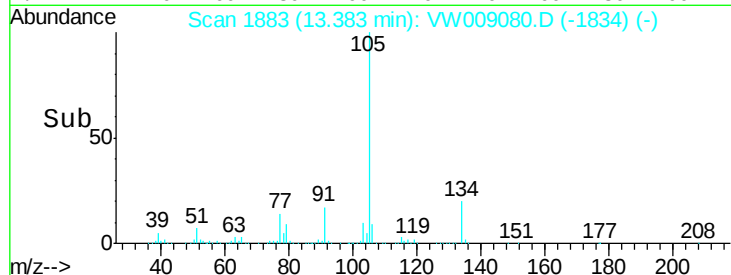
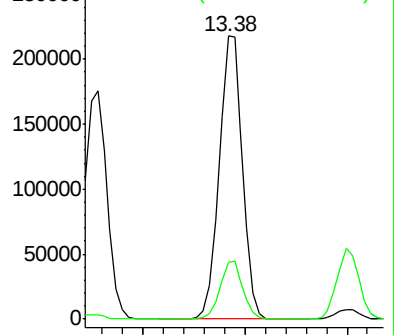
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.163 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009080.D

Acq: 11 Mar 2019 12:22

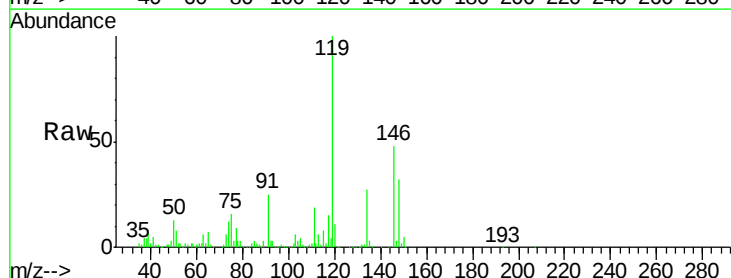
Tgt Ion:119 Resp: 306247

Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.9

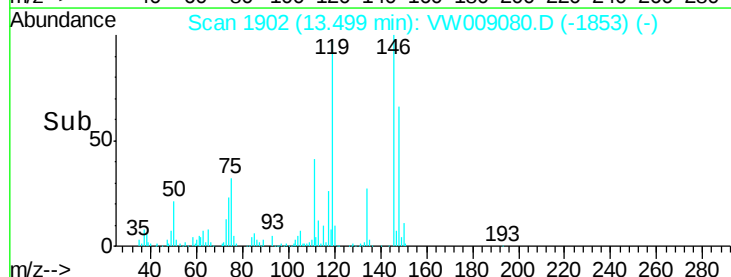
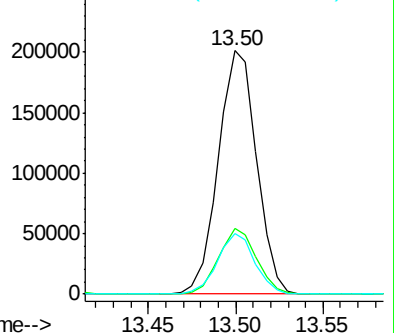
91 24.1 12.3 36.9

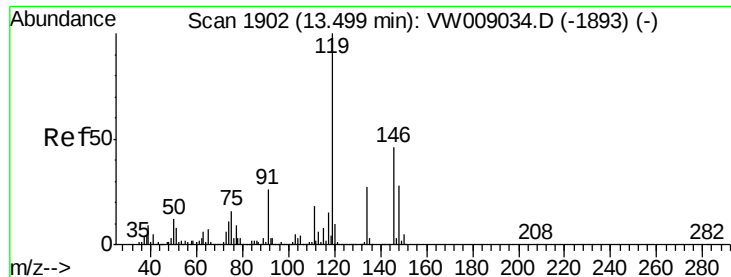


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





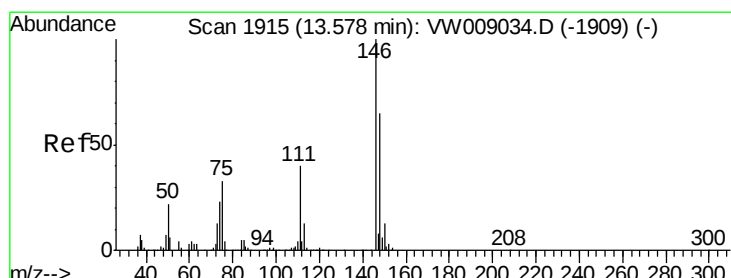
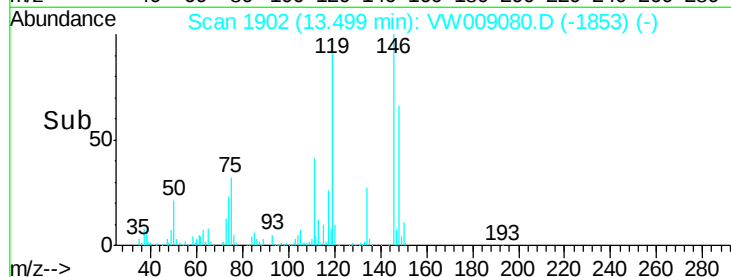
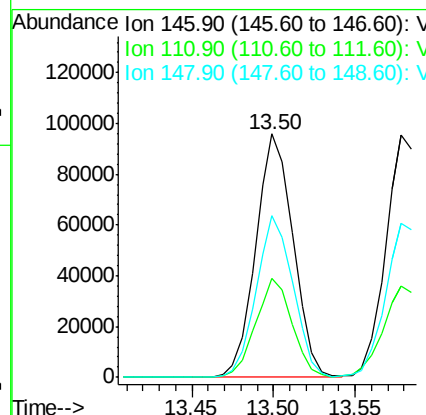
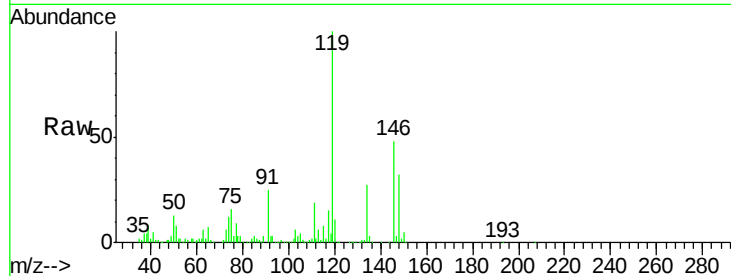
#87
 1,3-Dichlorobenzene
 Concen: 19.152 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009080.D
 Acq: 11 Mar 2019 12:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0311SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.8	59.4
148	65.7	31.6	94.8

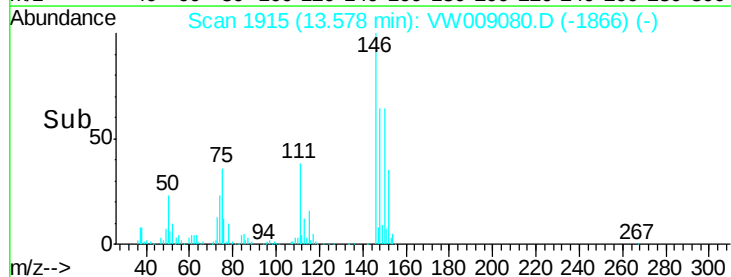
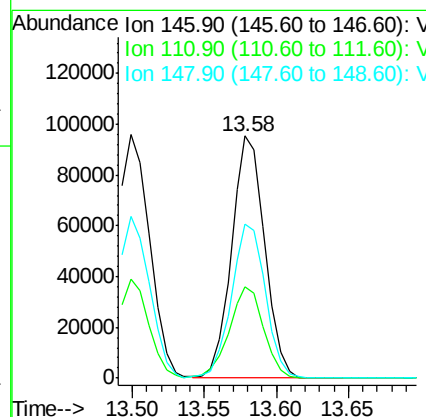
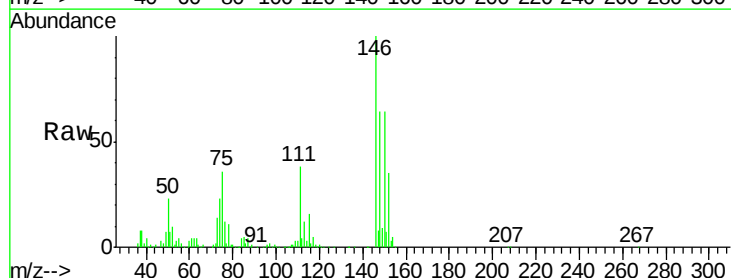
Manual Integrations
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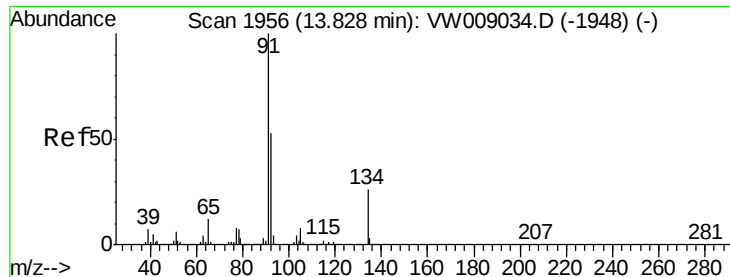
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#88
 1,4-Dichlorobenzene
 Concen: 19.486 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW009080.D
 Acq: 11 Mar 2019 12:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.7	59.0
148	65.3	32.2	96.6





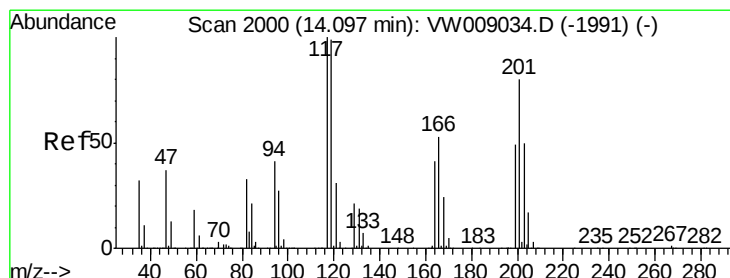
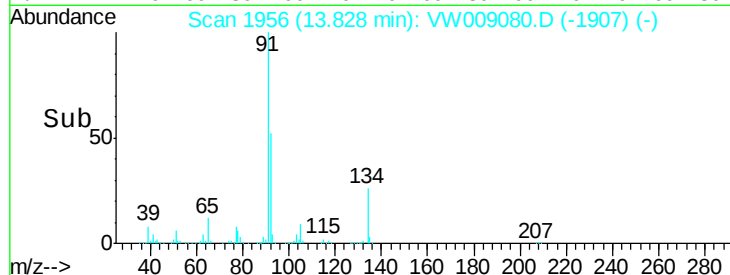
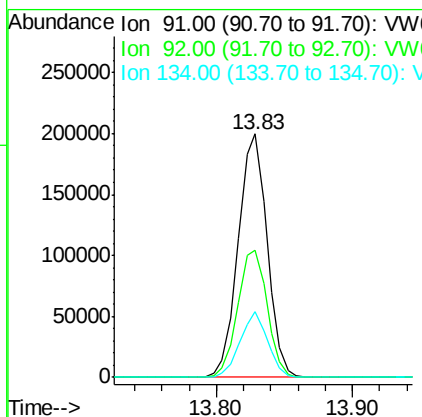
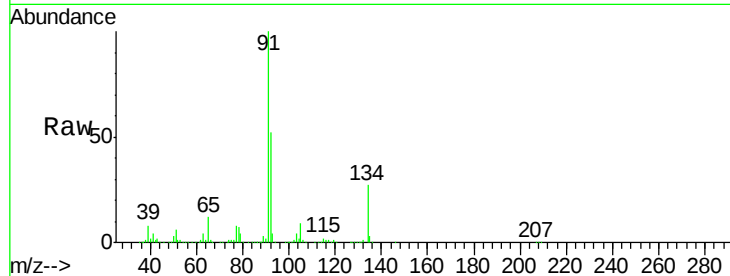
#89
n-Butylbenzene
Concen: 19.524 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW009080.D
Acq: 11 Mar 2019 12:22

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.8	80.3
134	25.7	12.9	38.7

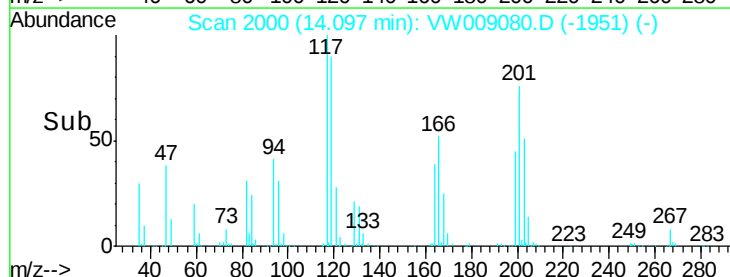
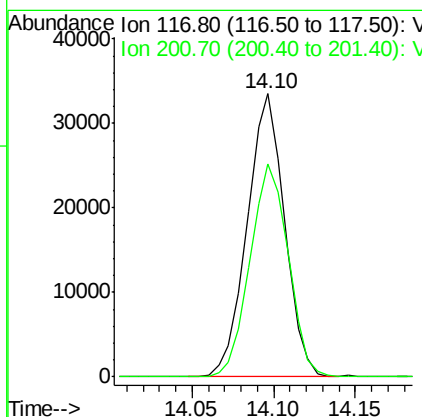
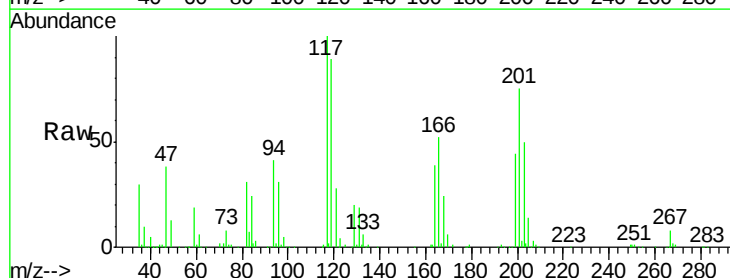
Manual Integrations
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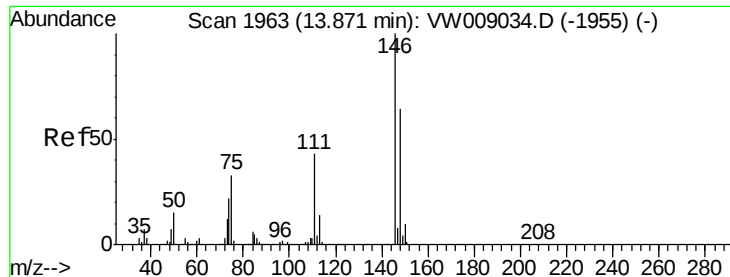
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#90
Hexachloroethane
Concen: 19.443 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW009080.D
Acq: 11 Mar 2019 12:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.8	39.1	117.5





#91

1,2-Dichlorobenzene

Concen: 19.393 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW009080.D

Acq: 11 Mar 2019 12:22

Instrument :

MSVOA_W

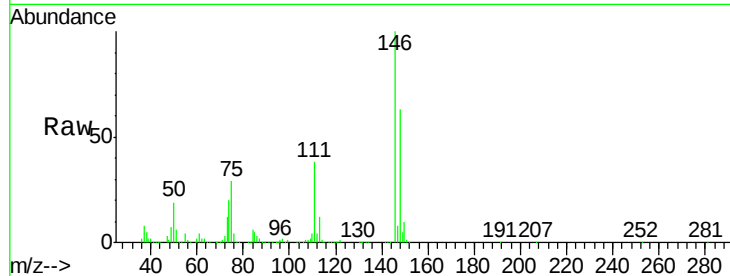
ClientSampleId :

VW0311SBSD01

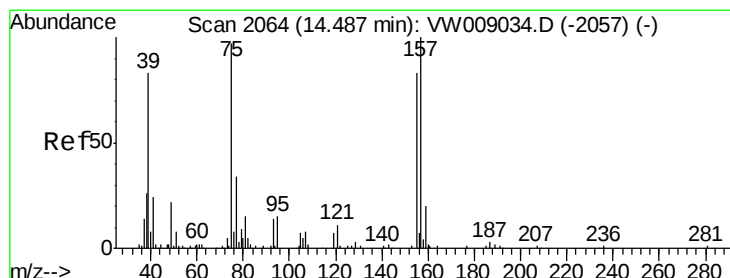
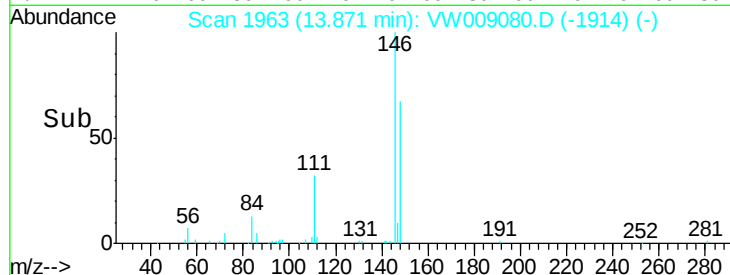
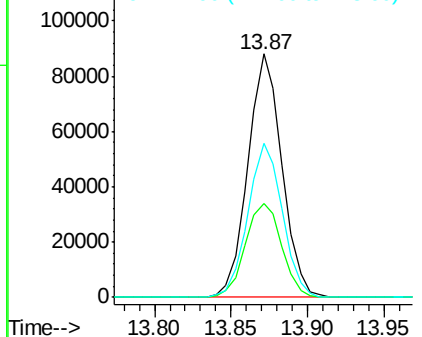
Tot Ion:	146	Resp:	136269
Ion Ratio	Lower	Upper	
146	100		
111	41.2	21.1	63.1
148	64.3	32.3	96.9

Manual Integrations
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.894 ug/l

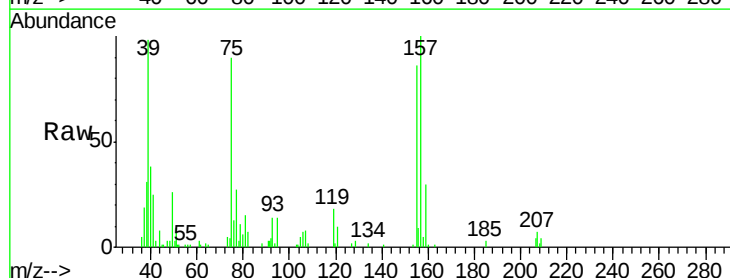
RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

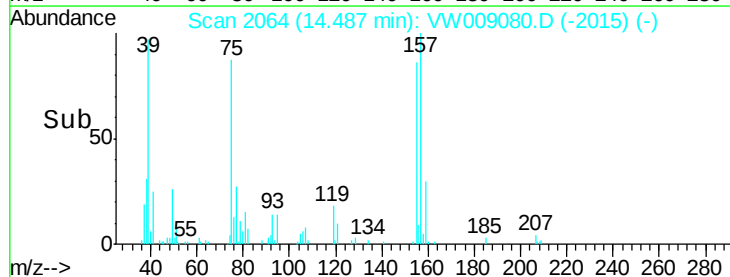
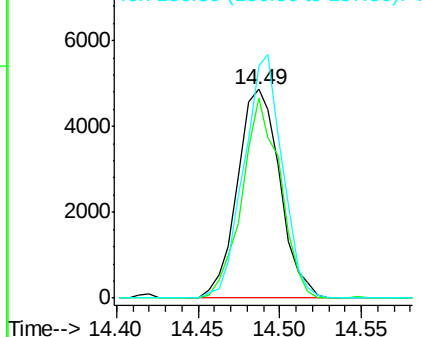
Lab File: VW009080.D

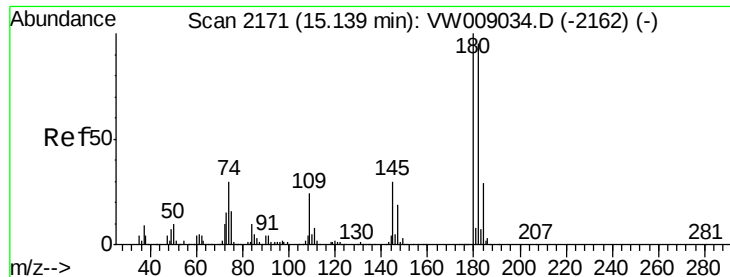
Acq: 11 Mar 2019 12:22

Tgt Ion:	75	Resp:	8804
Ion Ratio	Lower	Upper	
75	100		
155	86.2	40.8	122.4
157	105.2	52.4	157.3



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





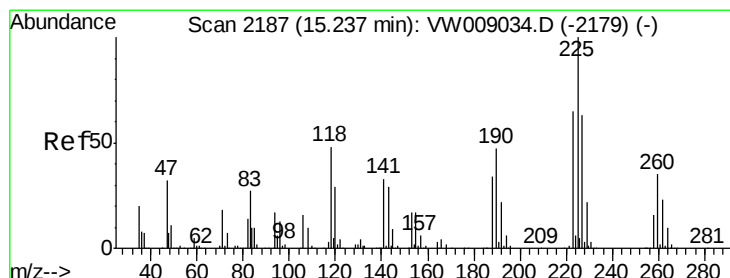
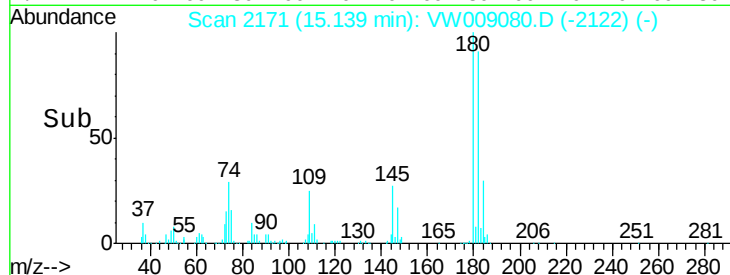
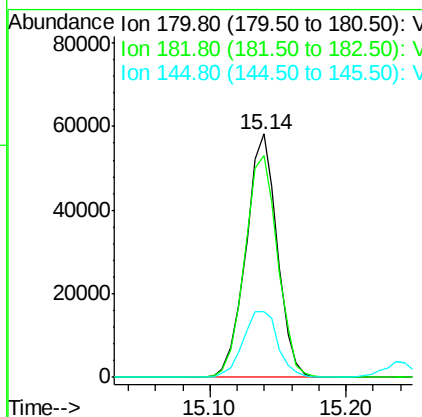
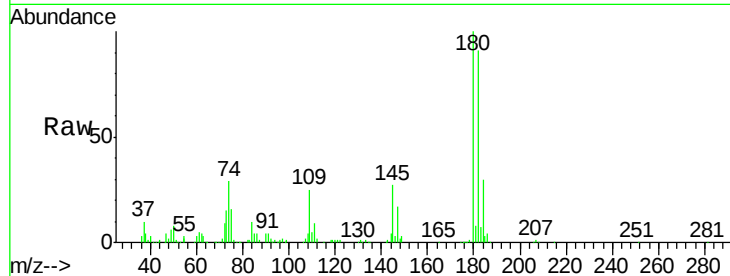
#93
 1,2,4-Trichlorobenzene
 Concen: 19.780 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW009080.D
 Acq: 11 Mar 2019 12:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0311SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.6	48.1	144.3	
145	30.1	15.4	46.1	

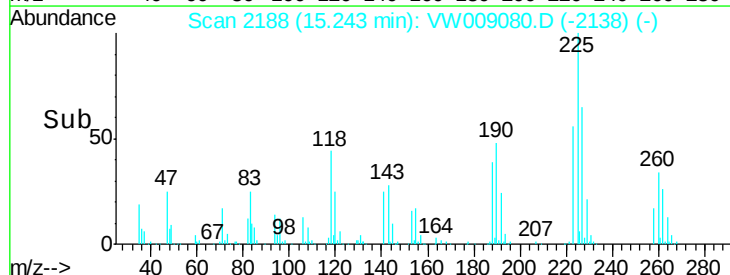
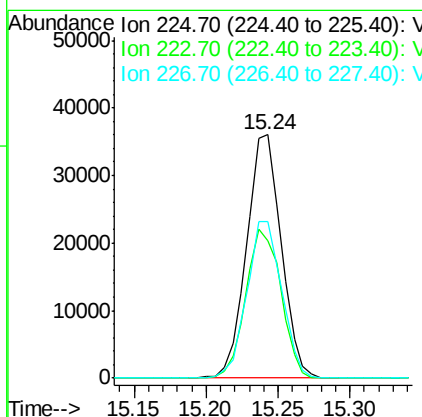
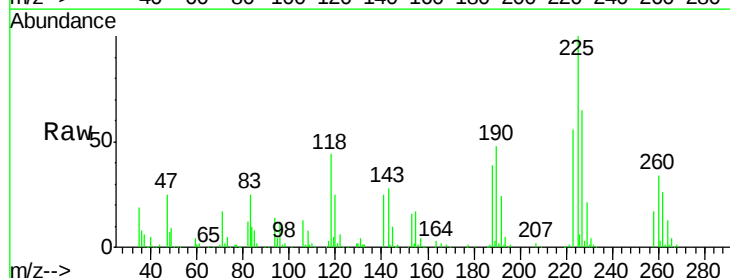
Manual Integrations
 APPROVED

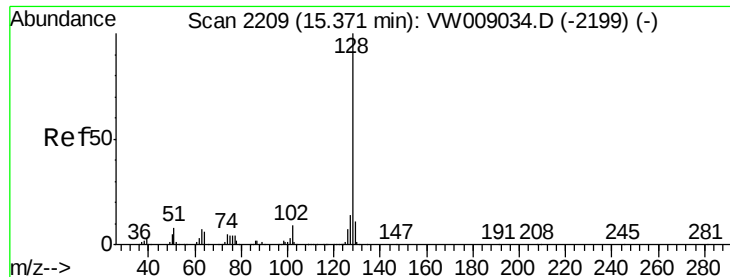
MMDadoda
 3/12/2019 1:15:46 PM



#94
 Hexachlorobutadiene
 Concen: 20.099 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.01 min
 Lab File: VW009080.D
 Acq: 11 Mar 2019 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.0	31.6	94.8	
227	65.1	32.0	96.2	





#95

Naphthalene

Concen: 18.494 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW009080.D

Acq: 11 Mar 2019 12:22

Instrument :

MSVOA_W

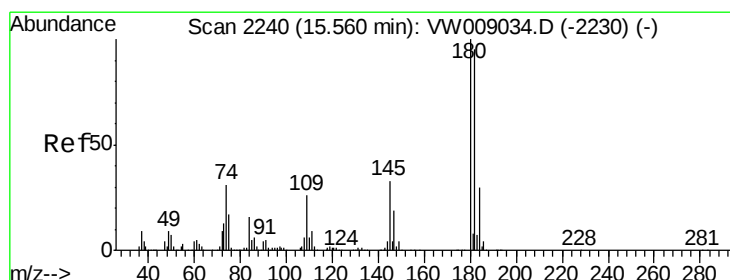
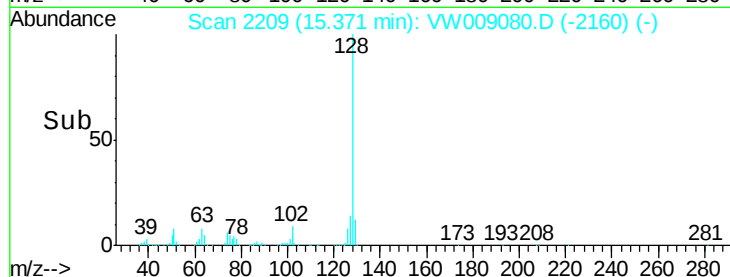
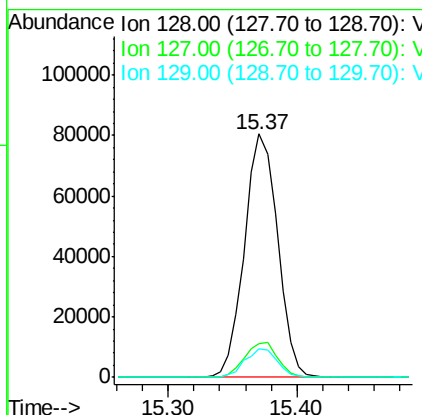
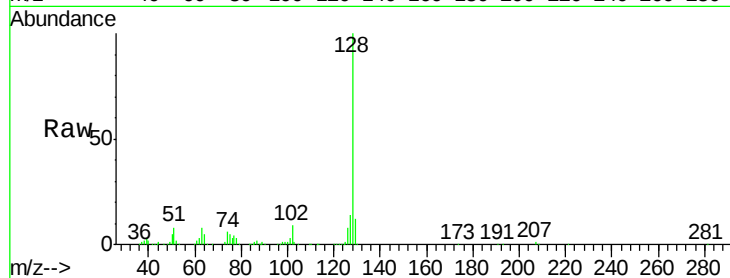
ClientSampleId :

VW0311SBSD01

Tot Ion:	128	Resp:	143657
Ion Ratio	Lower	Upper	
128	100		
127	14.3	11.0	16.6
129	11.5	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
3/12/2019 1:15:46 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.194 ug/l

RT: 15.57 min Scan# 2241

Delta R.T. 0.01 min

Lab File: VW009080.D

Acq: 11 Mar 2019 12:22

Tgt Ion:	180	Resp:	80093
Ion Ratio	Lower	Upper	
180	100		
182	97.9	48.1	144.3
145	32.1	15.8	47.3

