

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031119\
 Data File : VW009105.D
 Acq On : 12 Mar 2019 01:17
 Operator : SY/VA
 Sample : VW0311SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0311SBS02

Manual Integrations
 APPROVED

MMDadoda
 3/12/2019 1:16:13 PM

Quant Time: Mar 12 09:50:10 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	278223	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	433965	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	422839	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	236430	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	162287	57.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.96%	
35) Dibromofluoromethane	7.88	113	133799	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	
50) Toluene-d8	10.32	98	542465	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	
62) 4-Bromofluorobenzene	12.62	95	214050	50.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	58154	20.740	ug/l	95
3) Chloromethane	2.21	50	71655	20.116	ug/l	96
4) Vinyl Chloride	2.35	62	72569	20.075	ug/l	93
5) Bromomethane	2.74	94	67104	21.991	ug/l	96
6) Chloroethane	2.90	64	52118	20.252	ug/l	95
7) Trichlorofluoromethane	3.25	101	91420	19.642	ug/l	99
8) Diethyl Ether	3.68	74	31665	22.250	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	54915	18.944	ug/l	97
10) Methyl Iodide	4.27	142	37826	14.450	ug/l	99
11) Tert butyl alcohol	5.17	59	29227	136.254	ug/l	100
12) 1,1-Dichloroethene	4.03	96	49793	19.913	ug/l	97
13) Acrolein	3.89	56	22495	95.301	ug/l	99
14) Allyl chloride	4.66	41	91491	20.743	ug/l	98
15) Acrylonitrile	5.37	53	71191	114.615	ug/l	97
16) Acetone	4.12	43	61997	98.149	ug/l	99
17) Carbon Disulfide	4.37	76	160952	19.131	ug/l	100
18) Methyl Acetate	4.67	43	32622	22.459	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	149624	22.620	ug/l	100
20) Methylene Chloride	4.90	84	62402	17.470	ug/l	91
21) trans-1,2-Dichloroethene	5.42	96	57753	20.003	ug/l	92
22) Diisopropyl ether	6.31	45	190452	21.728	ug/l	98
23) Vinyl Acetate	6.25	43	590796	108.312	ug/l	99
24) 1,1-Dichloroethane	6.21	63	108596	21.360	ug/l	99
25) 2-Butanone	7.17	43	97643	111.852	ug/l	90
26) 2,2-Dichloropropane	7.17	77	83444	18.057	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	64965	20.951	ug/l	100
28) Bromochloromethane	7.51	49	44340	20.968	ug/l	97
29) Tetrahydrofuran	7.52	42	64766	117.730	ug/l	99
30) Chloroform	7.67	83	110247	21.063	ug/l	94
31) Cyclohexane	7.95	56	100739	19.298	ug/l #	94
32) 1,1,1-Trichloroethane	7.87	97	97315	20.146	ug/l	99
36) 1,1-Dichloropropene	8.08	75	85538	18.851	ug/l	98
37) Ethyl Acetate	7.25	43	43682	20.495	ug/l	97
38) Carbon Tetrachloride	8.07	117	86028	18.358	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	96279	17.814	ug/l	98
40) Benzene	8.32	78	234769	19.382	ug/l	99
41) Methacrylonitrile	7.48	41	24506	20.705	ug/l	93
42) 1,2-Dichloroethane	8.40	62	78510	20.076	ug/l	99
43) Isopropyl Acetate	8.43	43	83274	20.978	ug/l	98
44) Trichloroethene	9.09	130	64151	18.896	ug/l	100
45) 1,2-Dichloropropane	9.37	63	58692	19.346	ug/l	97
46) Dibromomethane	9.46	93	33463	20.197	ug/l	98
47) Bromodichloromethane	9.64	83	82600	19.694	ug/l	97
48) Methyl methacrylate	9.43	41	37323	20.192	ug/l #	85
49) 1,4-Dioxane	9.45	88	10545	444.453	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	215967	107.166	ug/l	100
52) Toluene	10.38	92	154413	18.797	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	81447	19.635	ug/l	94
54) cis-1,3-Dichloropropene	10.07	75	92803	19.468	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	45661	20.333	ug/l	95
56) Ethyl methacrylate	10.65	69	57306	20.561	ug/l	99
57) 1,3-Dichloropropane	10.93	76	82461	20.728	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	149660	103.582	ug/l	100
59) 2-Hexanone	10.97	43	149684	105.643	ug/l	98
60) Dibromochloromethane	11.13	129	54075	19.458	ug/l	97
61) 1,2-Dibromoethane	11.23	107	43899	19.941	ug/l	99
64) Tetrachloroethene	10.86	164	61459	20.155	ug/l	92
65) Chlorobenzene	11.66	112	177125	19.245	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	58481	19.030	ug/l	97
67) Ethyl Benzene	11.73	91	311865	18.757	ug/l	98
68) m/p-Xylenes	11.84	106	245506	37.409	ug/l	100
69) o-Xylene	12.16	106	115643	18.938	ug/l	98
70) Styrene	12.18	104	184506	18.675	ug/l	98
71) Bromoform	12.35	173	33022	20.013	ug/l #	100
73) Isopropylbenzene	12.46	105	314745	18.590	ug/l	100
74) N-amyl acetate	12.27	43	82557	20.598	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	54748	20.499	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	39550m	21.172	ug/l	
77) Bromobenzene	12.75	156	74507	19.260	ug/l	97
78) n-propylbenzene	12.80	91	390628	18.731	ug/l	99
79) 2-Chlorotoluene	12.90	91	219578	18.740	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	273346	18.730	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	15712	18.814	ug/l	98
82) 4-Chlorotoluene	12.99	91	235119	18.824	ug/l	99
83) tert-Butylbenzene	13.21	119	232666	18.903	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	279335	18.921	ug/l	99
85) sec-Butylbenzene	13.38	105	338013	18.535	ug/l	100
86) p-Isopropyltoluene	13.50	119	299182	18.339	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	152524	18.761	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	151794	18.893	ug/l	99
89) n-Butylbenzene	13.83	91	280495	18.086	ug/l	100
90) Hexachloroethane	14.10	117	52656	18.714	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	139446	19.440	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	10329	21.715	ug/l	97

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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)
93) 1,2,4-Trichlorobenzene	15.14	180	93807	19.365	ug/l	98
94) Hexachlorobutadiene	15.24	225	57625	18.991	ug/l	97
95) Naphthalene	15.37	128	163712	20.645	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	82450	19.356	ug/l	98

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

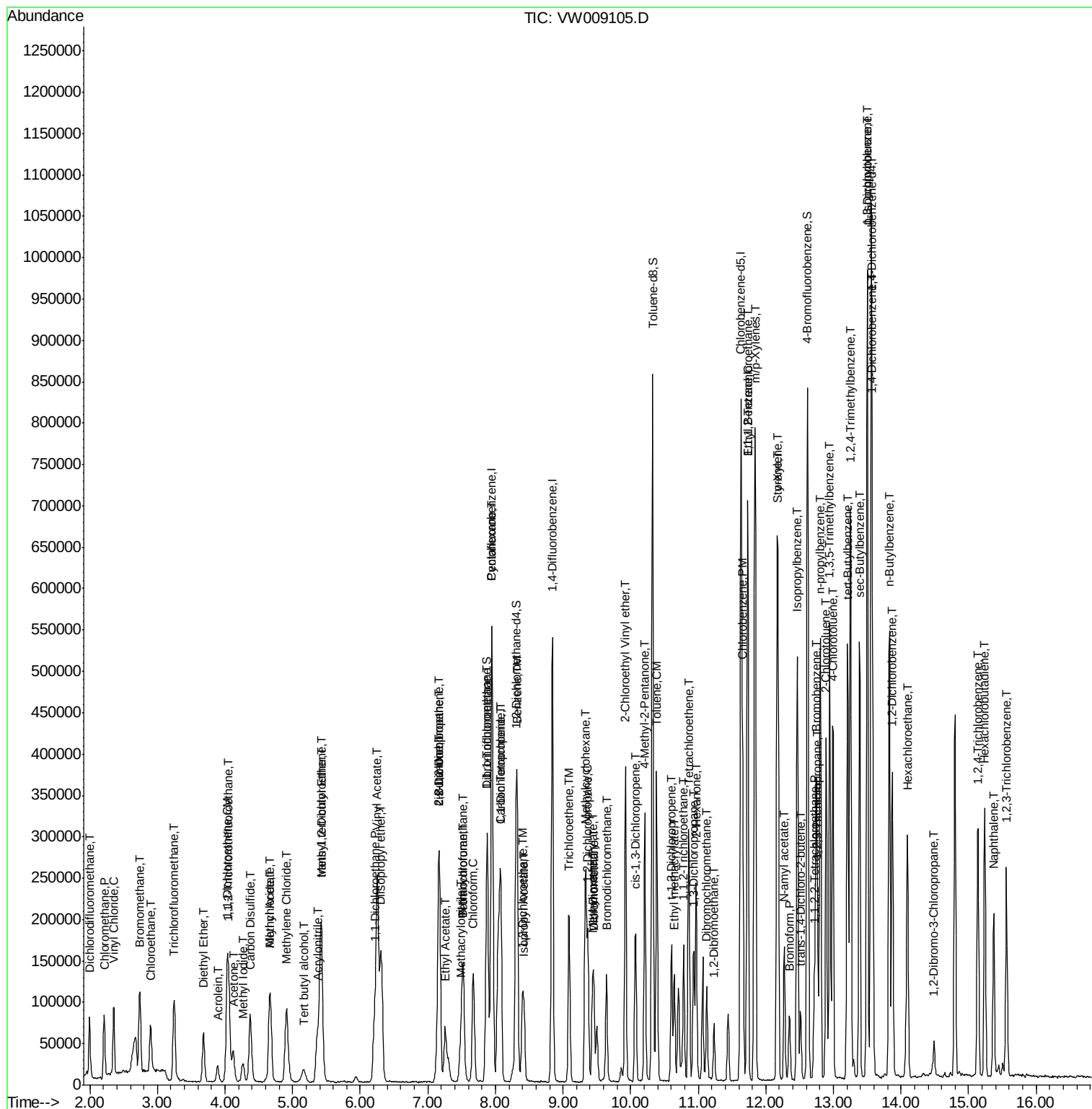
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW031119\
 Data File : VW009105.D
 Acq On : 12 Mar 2019 01:17
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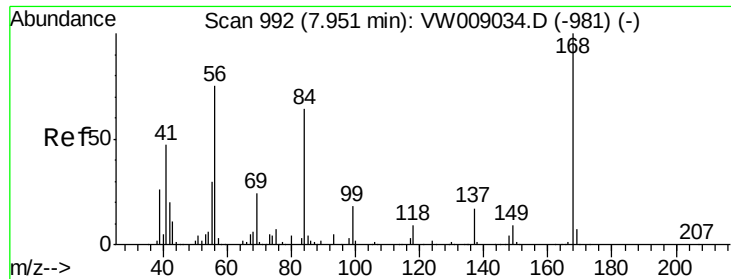
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0311SBS02

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

Instrument :

MSVOA_W

ClientSampleId :

VW0311SBS02

Tot Ion:168 Resp: 278223

Ion Ratio Lower Upper

168 100

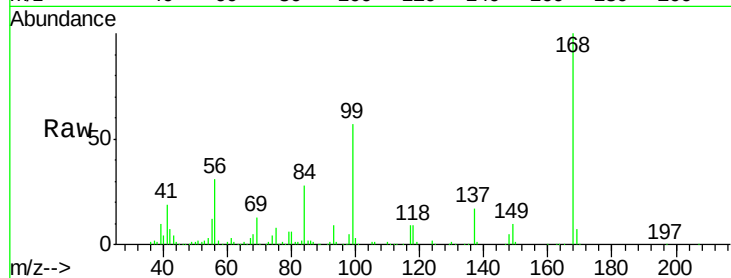
99 56.8 42.2 63.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

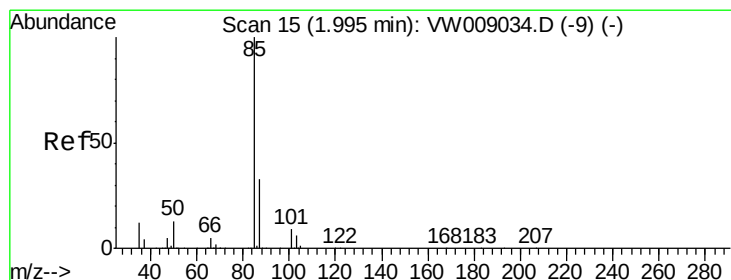
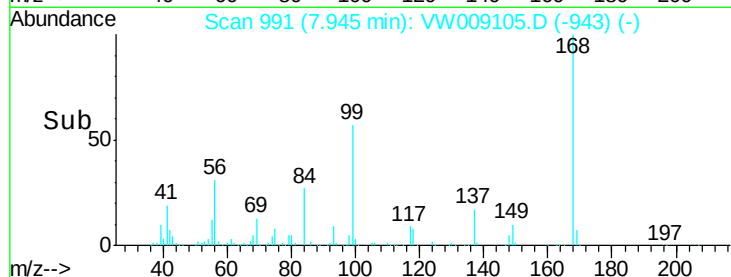
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 20.740 ug/l

RT: 2.00 min Scan# 15

Delta R.T. 0.00 min

Lab File: VW009105.D

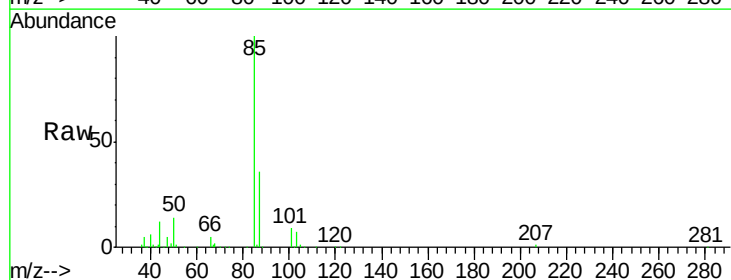
Acq: 12 Mar 2019 01:17

Tgt Ion: 85 Resp: 58154

Ion Ratio Lower Upper

85 100

87 35.6 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

40000

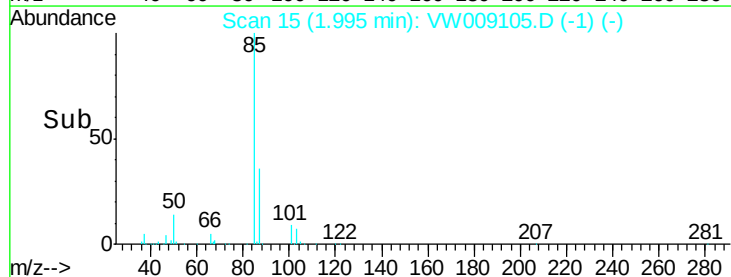
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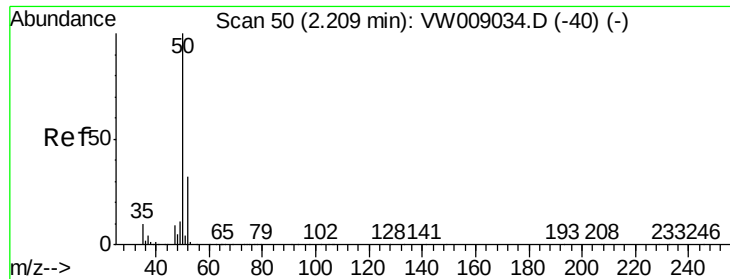
20000

10000

0

Time--> 1.90 1.95 2.00 2.05 2.10





#3

Chloromethane

Concen: 20.116 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

Instrument :

MSVOA_W

ClientSampleId :

VW0311SBS02

Tot Ion: 50 Resp: 71655

Ion Ratio Lower Upper

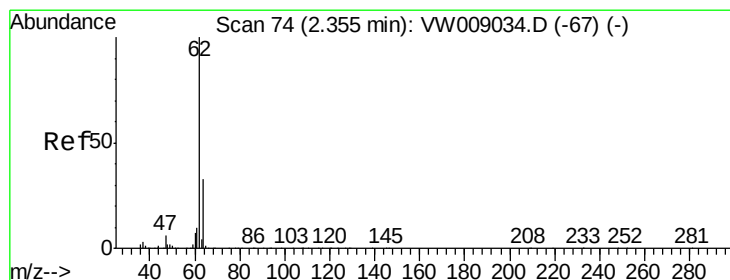
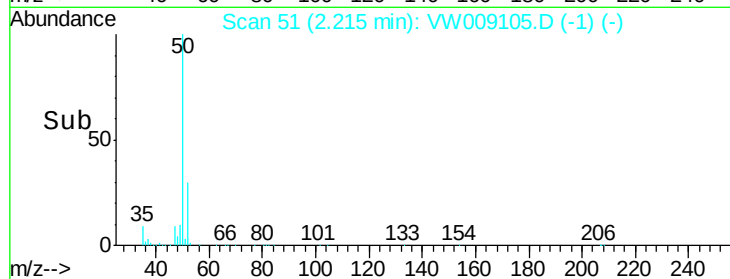
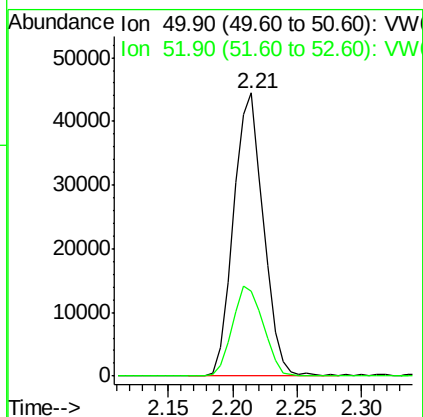
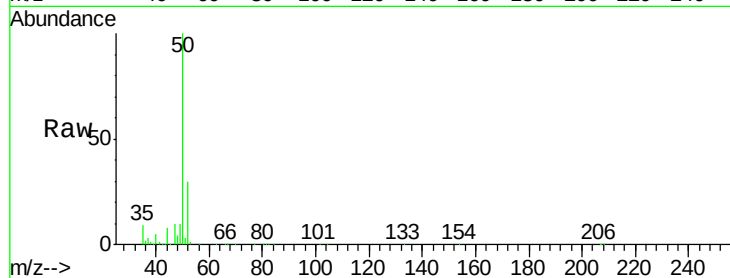
50 100

52 29.8 25.4 38.2

Manual Integrations
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#4

Vinyl Chloride

Concen: 20.075 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.01 min

Lab File: VW009105.D

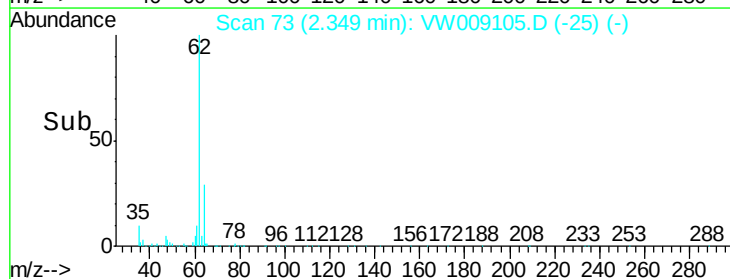
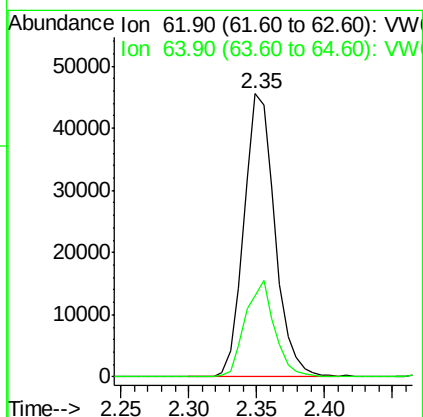
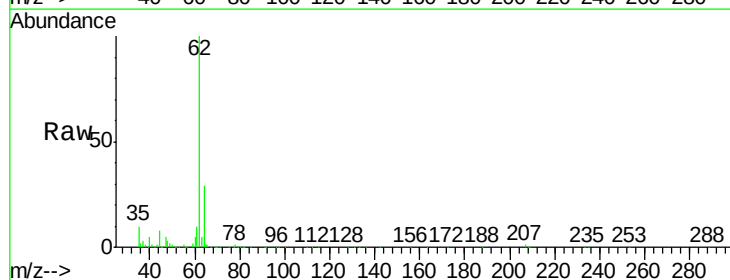
Acq: 12 Mar 2019 01:17

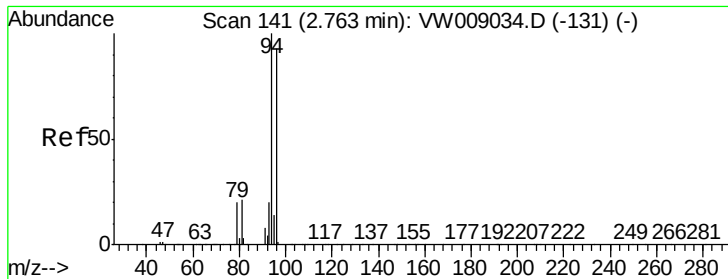
Tgt Ion: 62 Resp: 72569

Ion Ratio Lower Upper

62 100

64 28.7 26.0 39.0





#5

Bromomethane

Concen: 21.991 ug/l

RT: 2.74 min Scan# 137

Delta R.T. -0.02 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

Instrument :

MSVOA_W

ClientSampleId :

VW0311SBS02

Tot Ion: 94 Resp: 67104

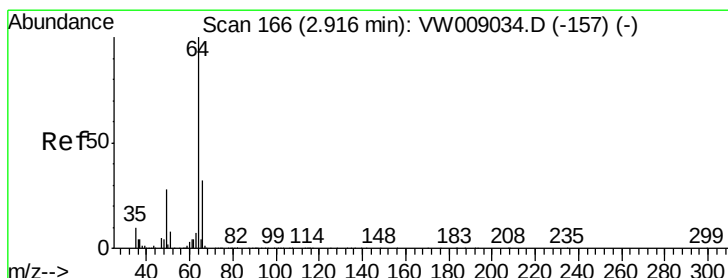
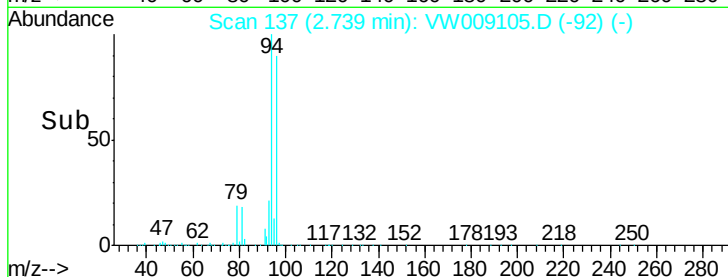
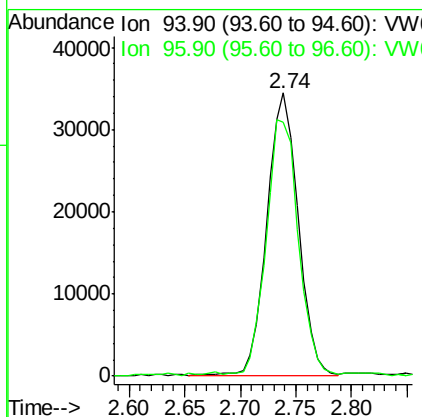
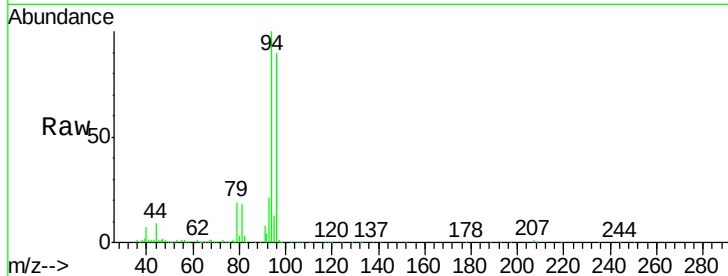
Ion Ratio Lower Upper

94 100

96 89.3 74.4 111.6

Manual Integrations
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#6

Chloroethane

Concen: 20.252 ug/l

RT: 2.90 min Scan# 163

Delta R.T. -0.02 min

Lab File: VW009105.D

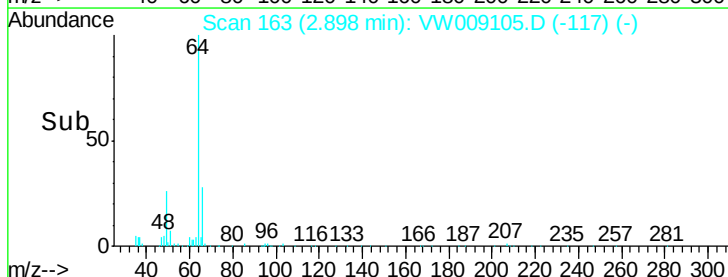
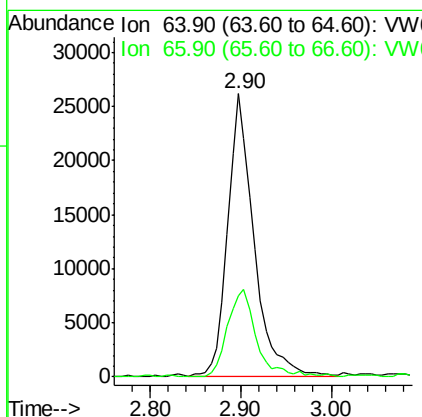
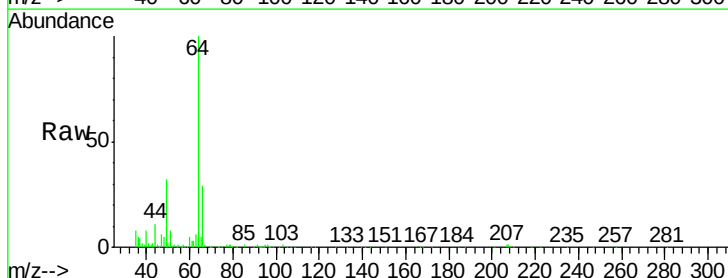
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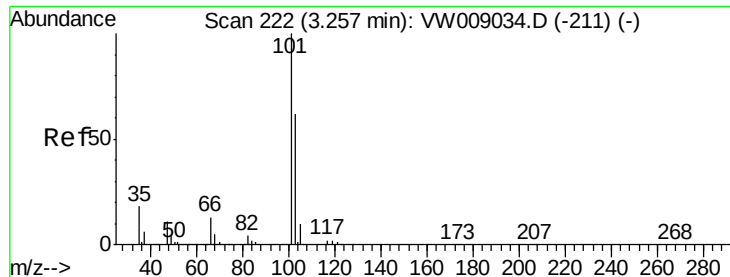
Tgt Ion: 64 Resp: 52118

Ion Ratio Lower Upper

64 100

66 28.9 25.5 38.3





#7

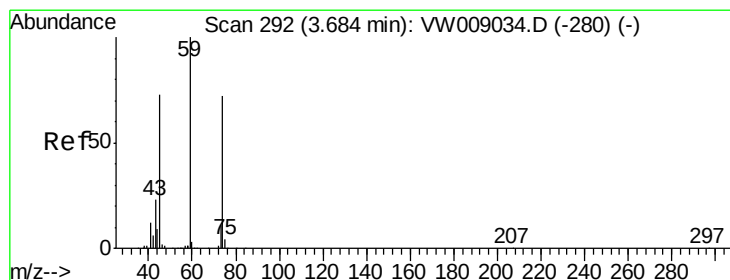
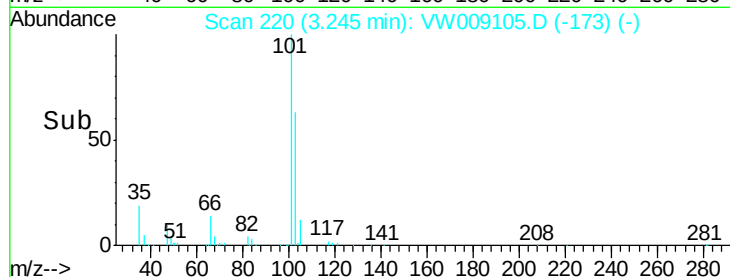
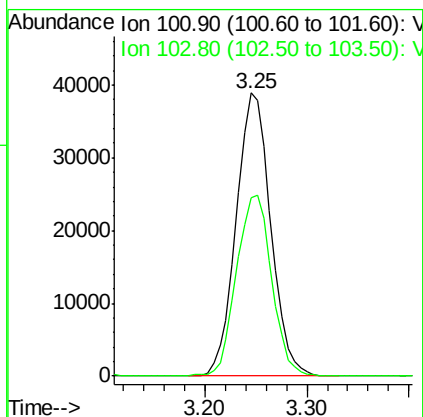
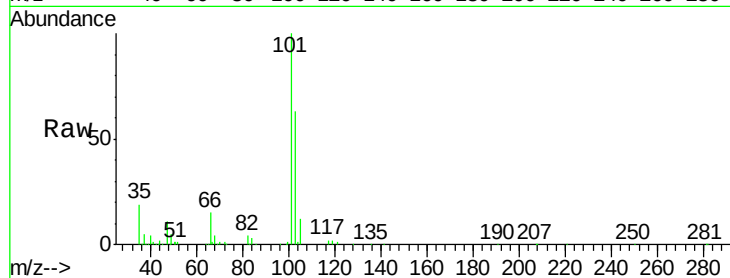
Trichlorofluoromethane
Concen: 19.642 ug/l
RT: 3.25 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW009105.D
Acq: 12 Mar 2019 01:17

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.0	49.9	74.9

Manual Integrations
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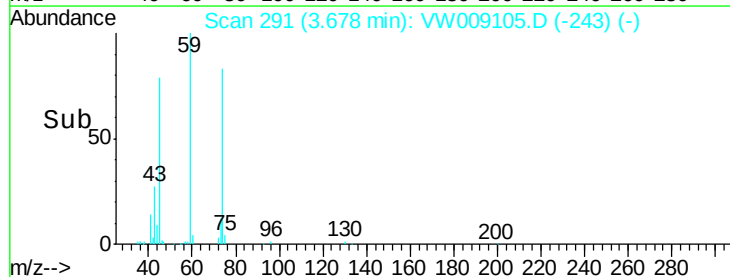
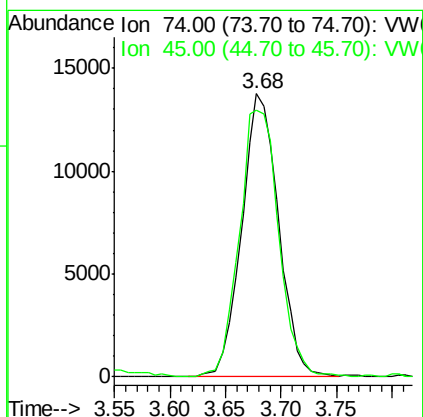
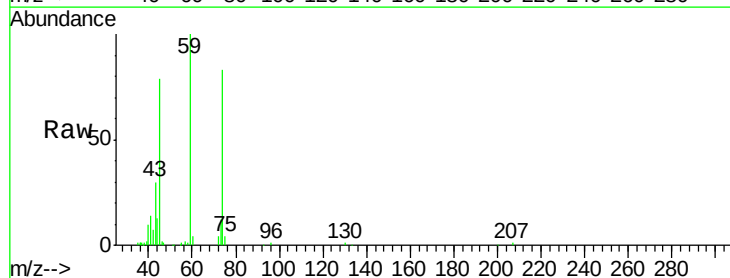
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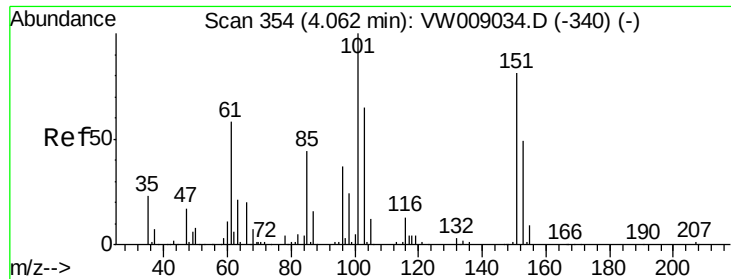


#8

Diethyl Ether
Concen: 22.250 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW009105.D
Acq: 12 Mar 2019 01:17

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.6	52.3	157.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.944 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

Instrument :

MSVOA_W

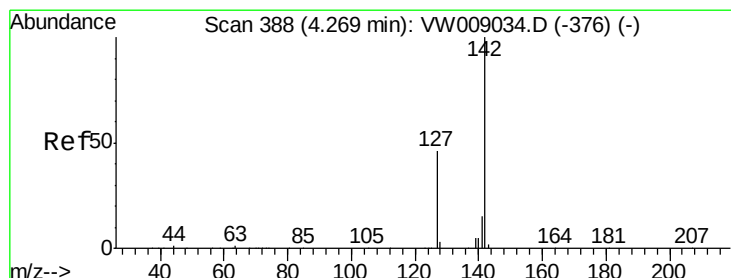
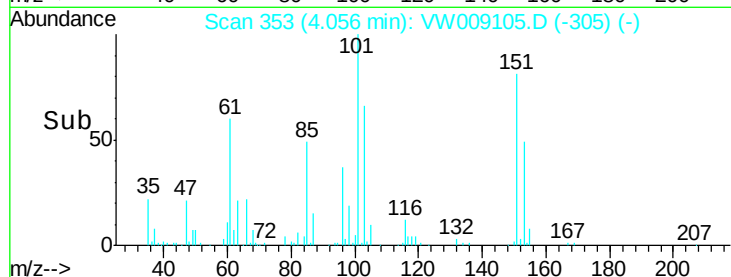
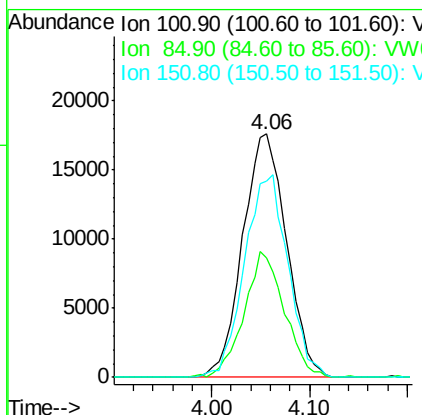
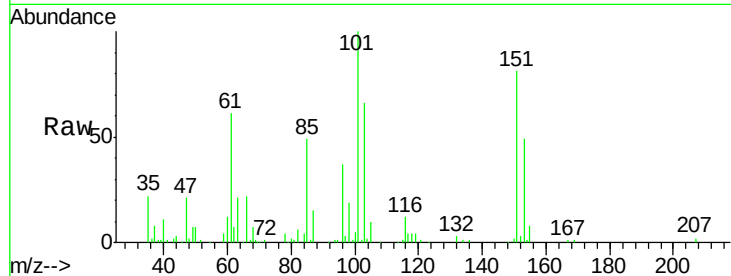
ClientSampleId :

VW0311SBS02

Tot Ion:	101	Resp:	54915
Ion Ratio	Lower	Upper	
101	100		
85	47.3	36.2	54.4
151	82.4	63.4	95.2

Manual Integrations
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#10

Methyl Iodide

Concen: 14.450 ug/l

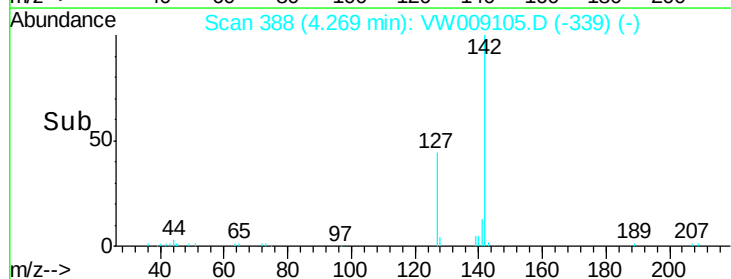
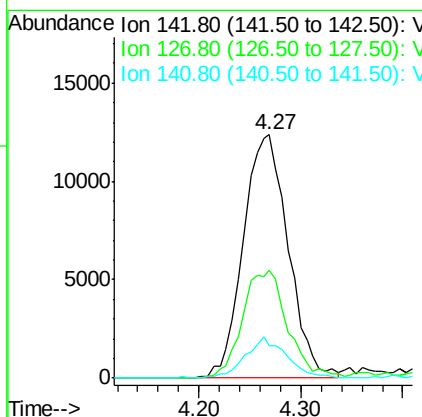
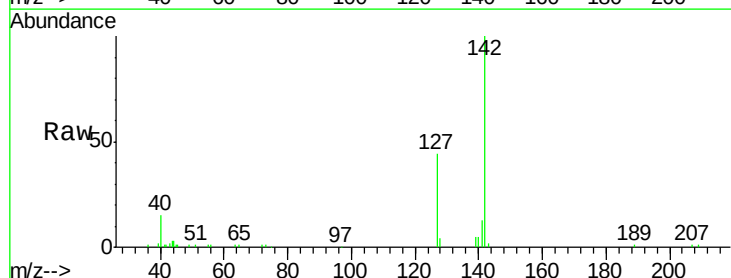
RT: 4.27 min Scan# 388

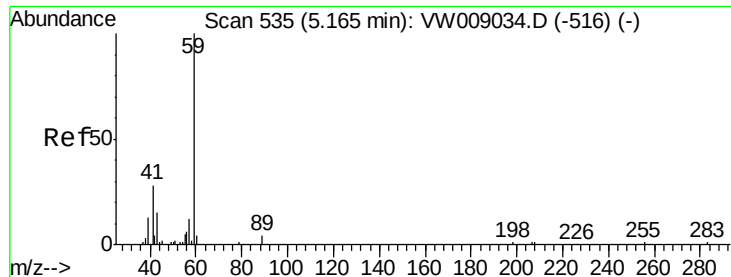
Delta R.T. 0.00 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

Tgt Ion:	142	Resp:	37826
Ion Ratio	Lower	Upper	
142	100		
127	44.3	35.8	53.6
141	15.5	11.8	17.8





#11

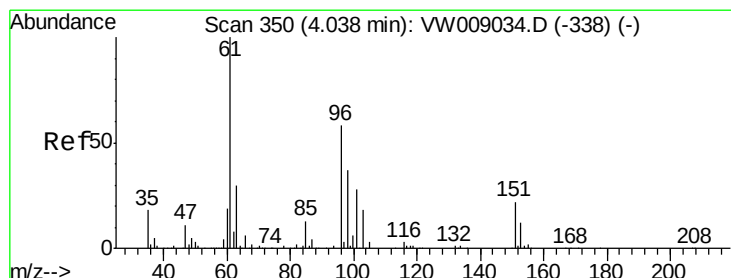
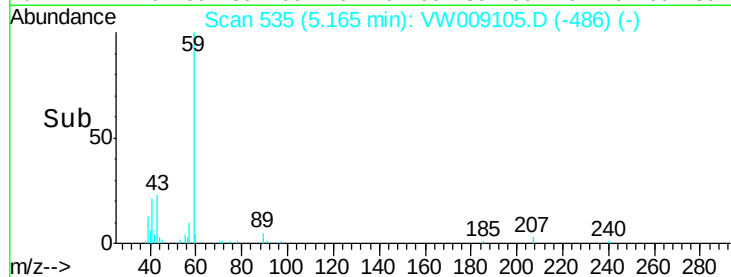
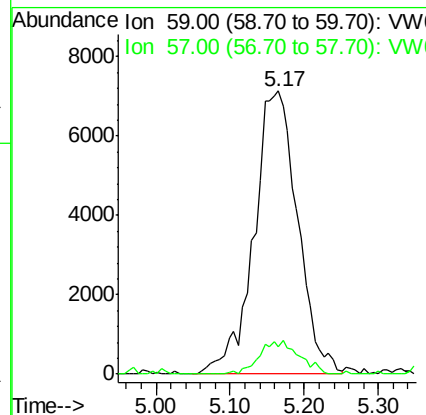
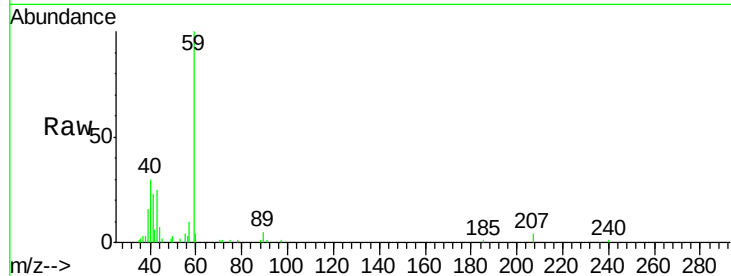
Tert butyl alcohol
Concen: 136.254 ug/l
RT: 5.17 min Scan# 535
Delta R.T. 0.00 min
Lab File: VW009105.D
Acq: 12 Mar 2019 01:17

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBS02

Tot Ion	59.00 (58.70 to 59.70): VW	Resp	29227
Ion Ratio	Lower	Upper	
59	100		
57	10.8	8.6	12.8

Manual Integrations
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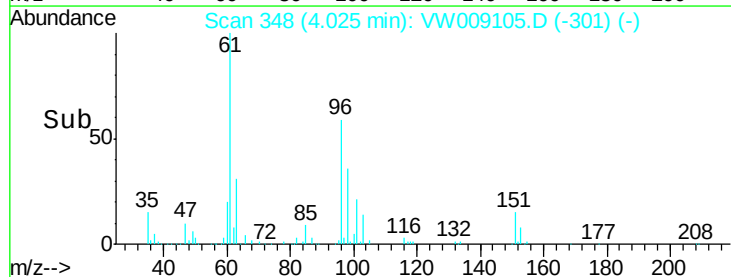
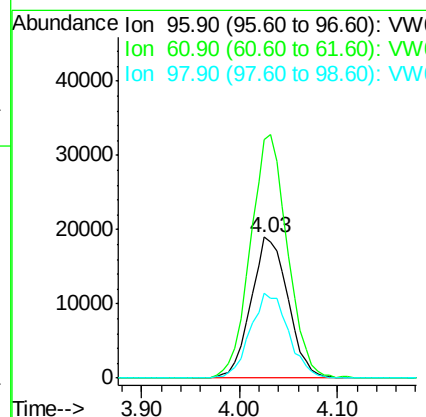
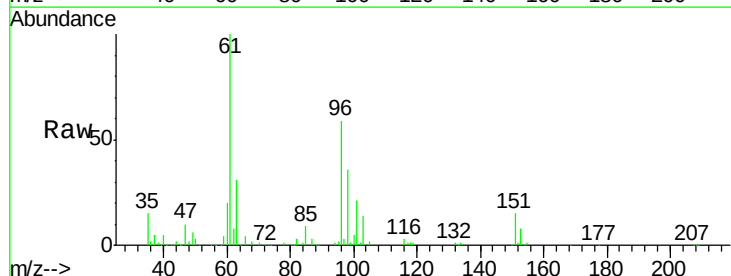
MMDadoda
3/12/2019 1:16:13 PM

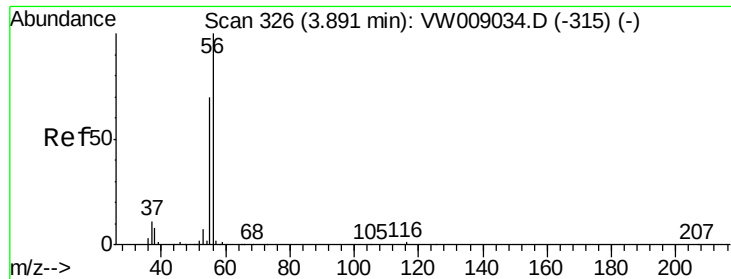


#12

1,1-Dichloroethene
Concen: 19.913 ug/l
RT: 4.03 min Scan# 348
Delta R.T. -0.01 min
Lab File: VW009105.D
Acq: 12 Mar 2019 01:17

Tgt Ion	96	Resp	49793
Ion Ratio	Lower	Upper	
96	100		
61	169.7	138.2	207.2
98	60.3	51.3	76.9





#13

Acrolein

Concen: 95.301 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

Instrument :

MSVOA_W

ClientSampleId :

VW0311SBS02

Tot Ion: 56 Resp: 22495

Ion Ratio Lower Upper

56 100

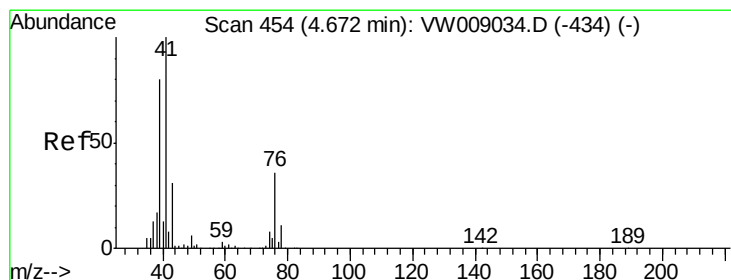
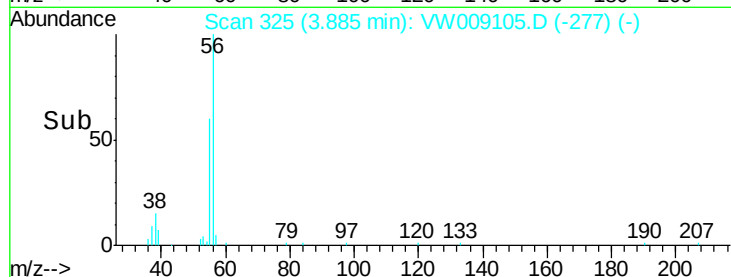
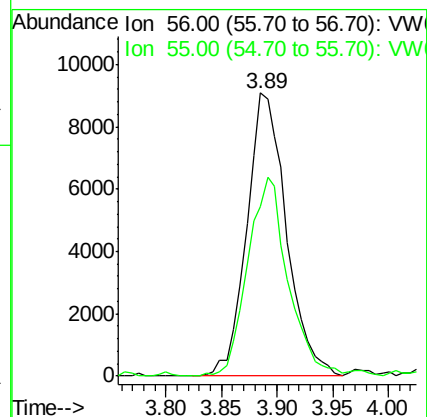
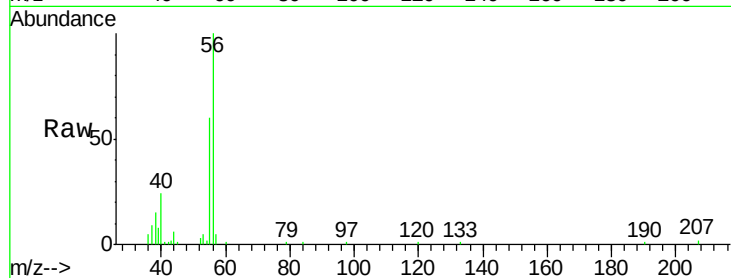
55 71.5 56.6 84.8

Manual Integrations

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MMDadoda

3/12/2019 1:16:13 PM



#14

Allyl chloride

Concen: 20.743 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

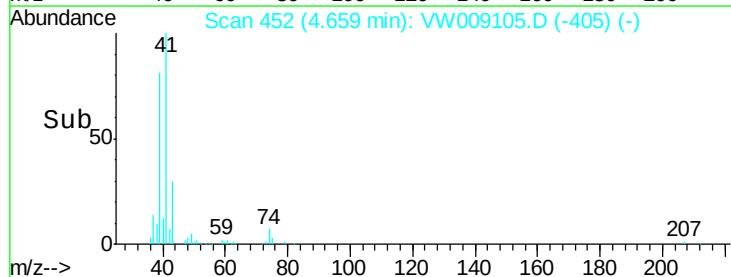
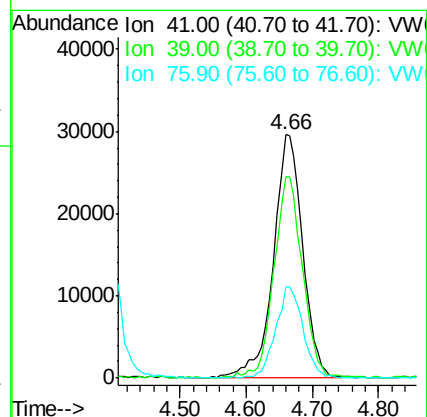
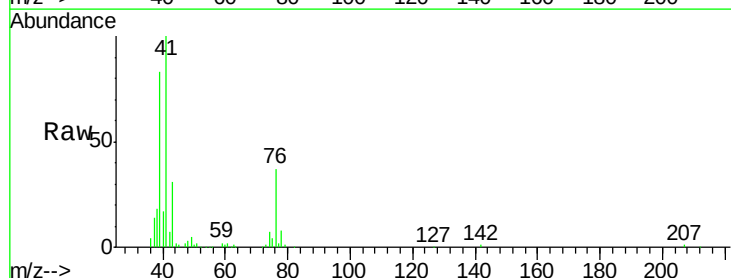
Tgt Ion: 41 Resp: 91491

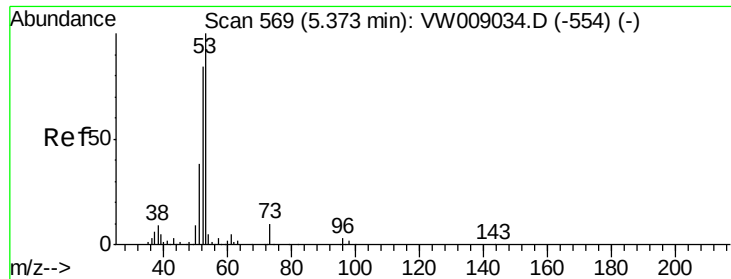
Ion Ratio Lower Upper

41 100

39 81.0 63.0 94.4

76 35.1 28.2 42.2





#15

Acrylonitrile

Concen: 114.615 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.01 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

Instrument :

MSVOA_W

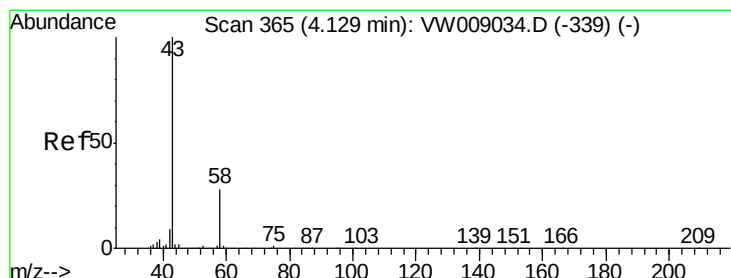
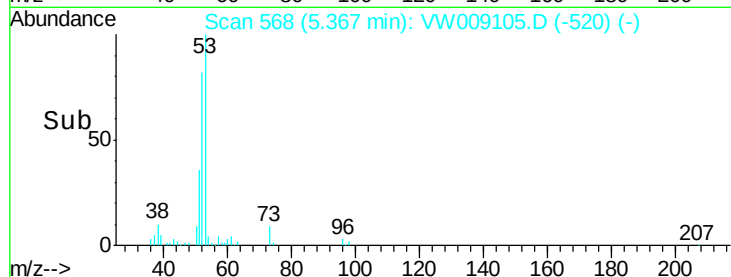
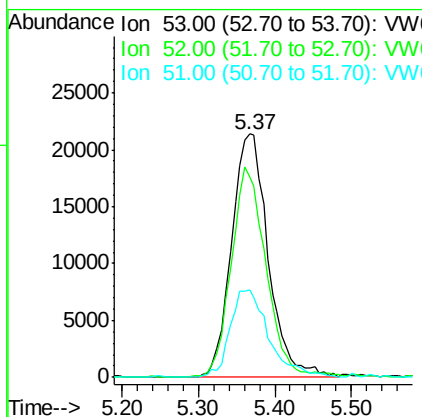
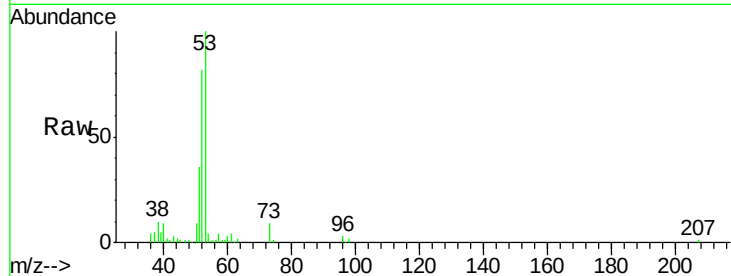
ClientSampleId :

VW0311SBS02

Tot Ion:	53	Resp:	71191
Ion	Ratio	Lower	Upper
53	100		
52	81.1	67.2	100.8
51	38.0	31.8	47.6

Manual Integrations
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#16

Acetone

Concen: 98.149 ug/l

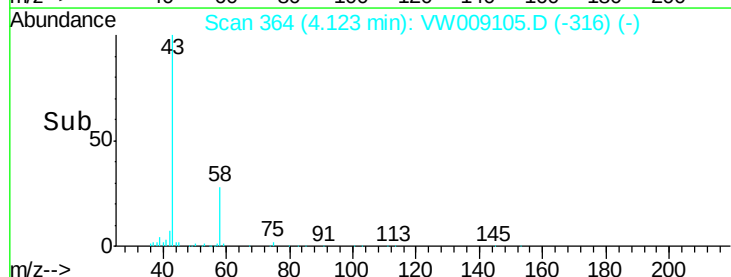
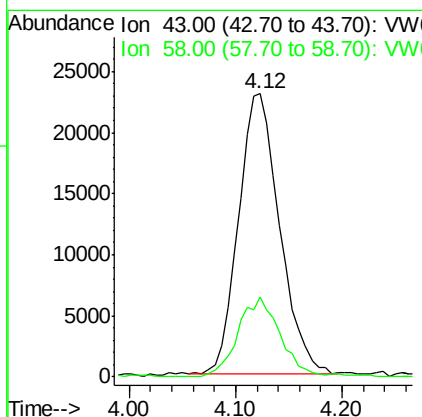
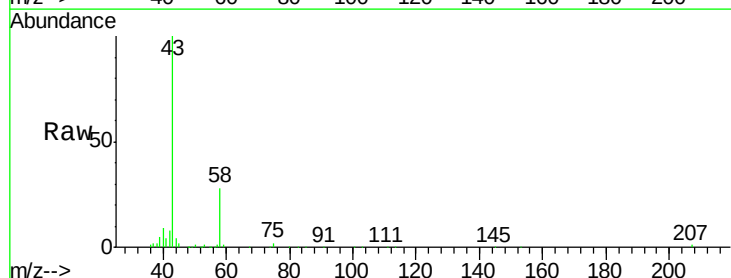
RT: 4.12 min Scan# 364

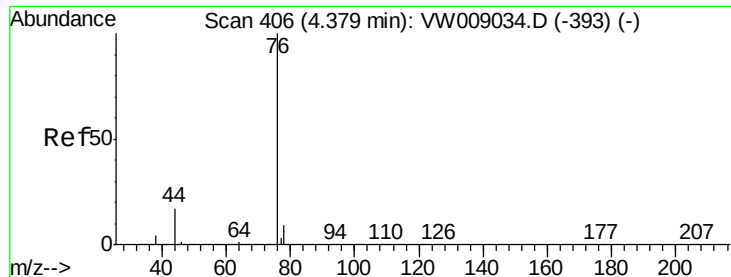
Delta R.T. -0.01 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

Tgt Ion:	43	Resp:	61997
Ion	Ratio	Lower	Upper
43	100		
58	28.4	22.5	33.7





#17

Carbon Disulfide

Concen: 19.131 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

Instrument :

MSVOA_W

ClientSampleId :

VW0311SBS02

Tot Ion: 76 Resp: 160952

Ion Ratio Lower Upper

76 100

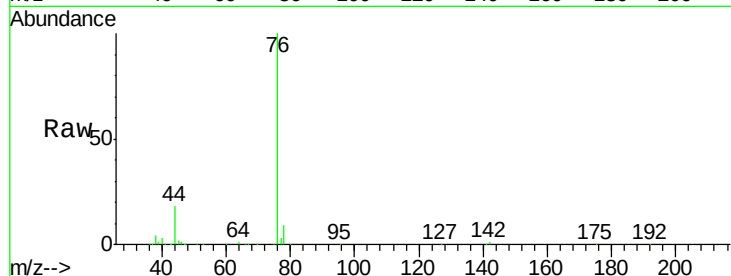
78 8.9 7.0 10.6

Manual Integrations

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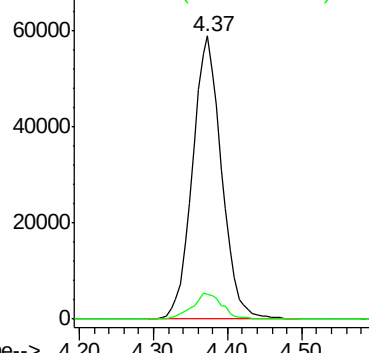
MMDadoda

3/12/2019 1:16:13 PM

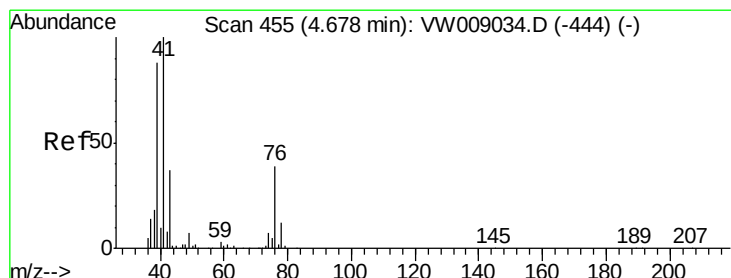
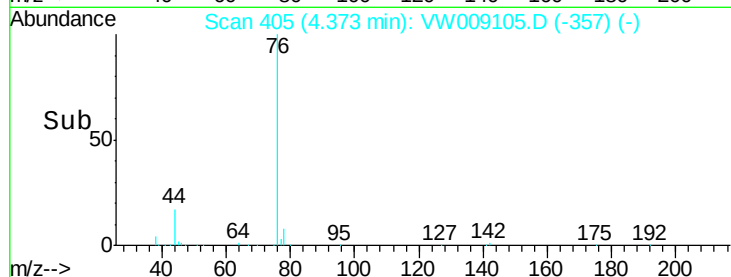


Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



Time--> 4.20 4.30 4.40 4.50



#18

Methyl Acetate

Concen: 22.459 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW009105.D

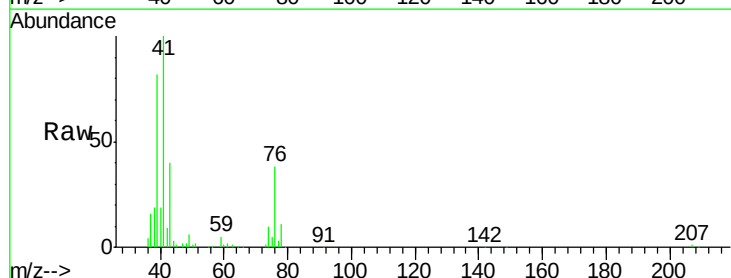
Acq: 12 Mar 2019 01:17

Tgt Ion: 43 Resp: 32622

Ion Ratio Lower Upper

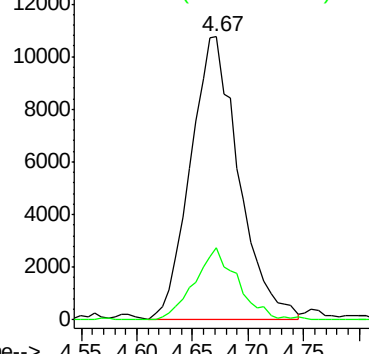
43 100

74 22.9 17.6 26.4

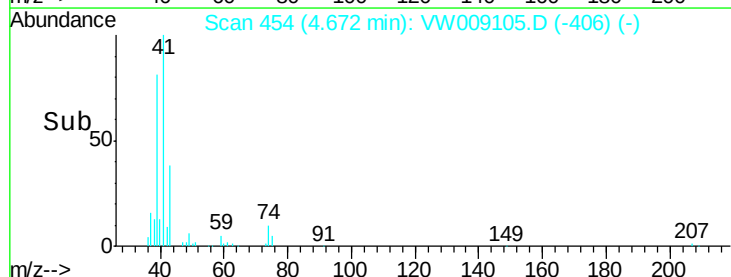


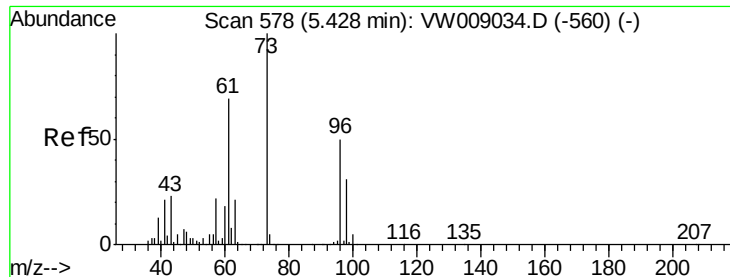
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



Time--> 4.55 4.60 4.65 4.70 4.75





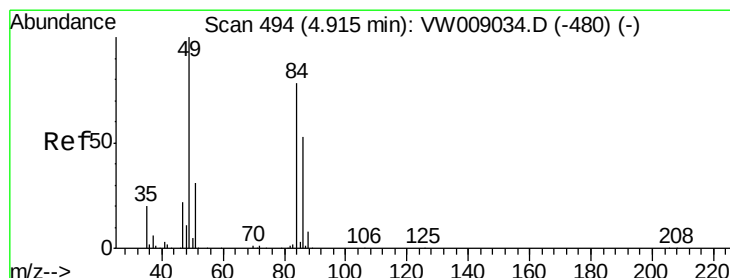
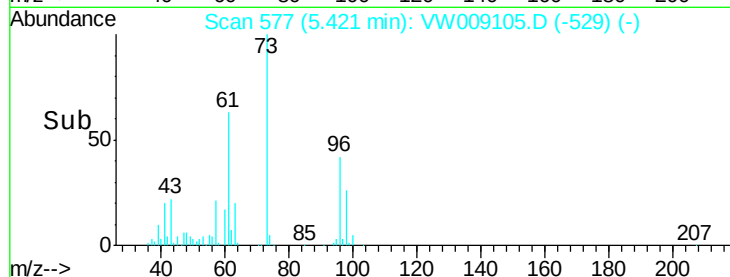
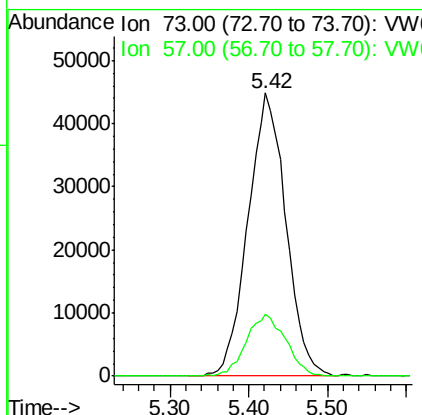
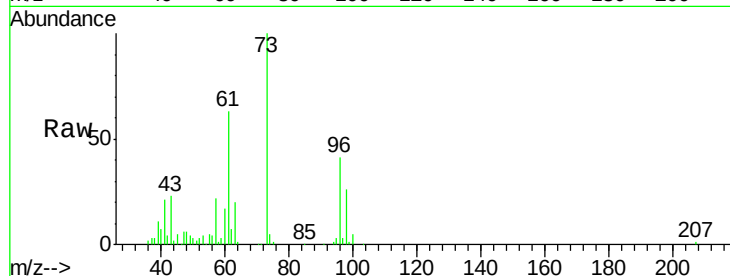
#19
Methyl tert-butyl Ether
Concen: 22.620 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW009105.D
Acq: 12 Mar 2019 01:17

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBS02

Tot Ion	73	Resp	149624
Ion Ratio	Lower	Upper	
73	100		
57	21.7	17.3	25.9

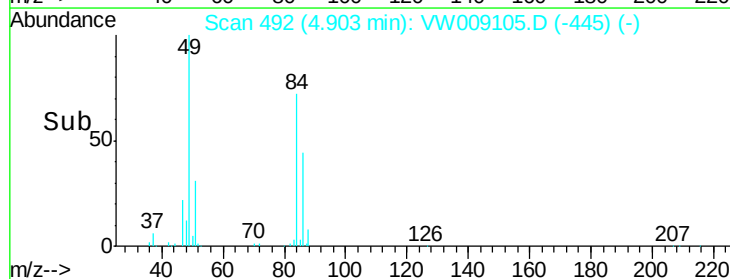
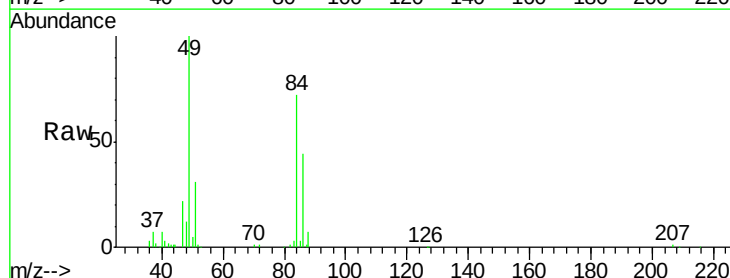
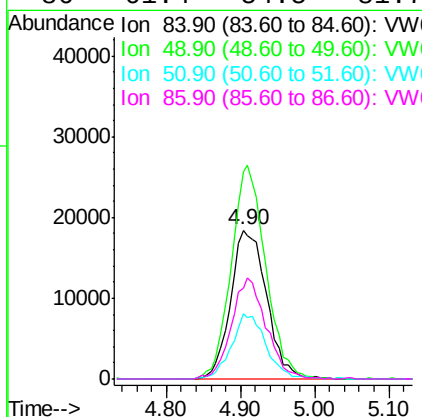
Manual Integrations
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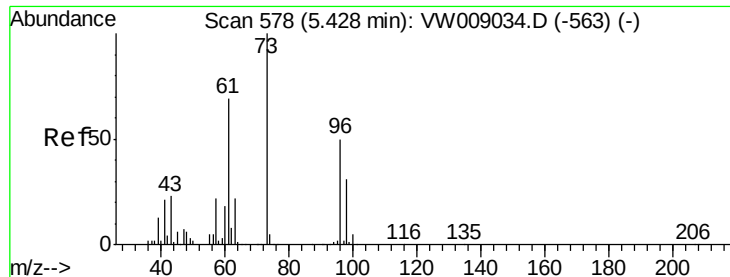
MMDadoda
3/12/2019 1:16:13 PM



#20
Methylene Chloride
Concen: 17.470 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW009105.D
Acq: 12 Mar 2019 01:17

Tgt Ion	84	Resp	62402
Ion Ratio	Lower	Upper	
84	100		
49	138.5	102.4	153.6
51	43.7	31.6	47.4
86	61.4	54.5	81.7





#21

trans-1,2-Dichloroethene

Concen: 20.003 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

Instrument :

MSVOA_W

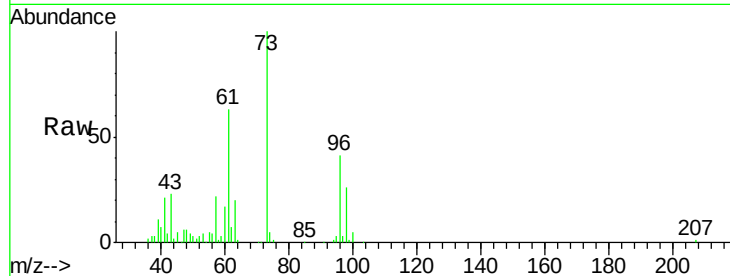
ClientSampleId :

VW0311SBS02

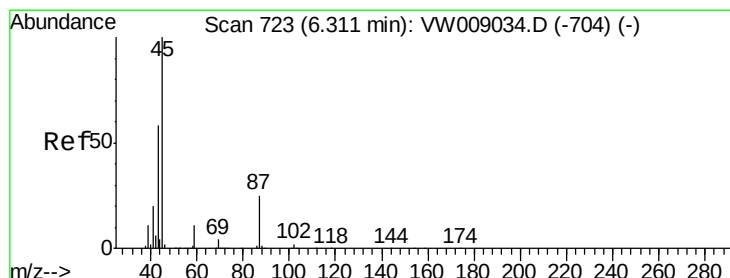
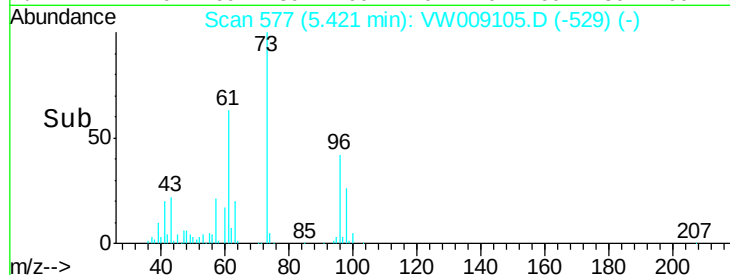
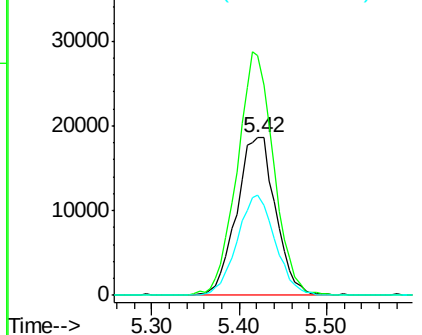
Tot Ion:	96	Resp:	57753
Ion	Ratio	Lower	Upper
96	100		
61	152.3	111.0	166.6
98	63.7	49.4	74.0

Manual Integrations
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3/12/2019 1:16:13 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: 21.728 ug/l

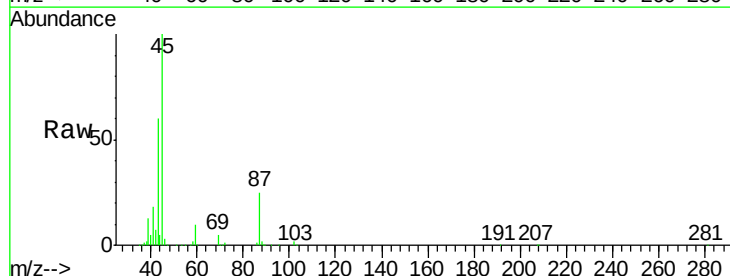
RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

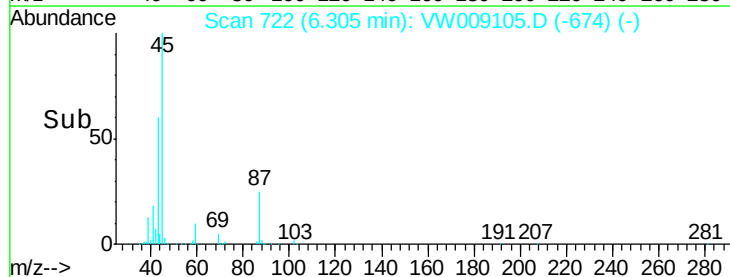
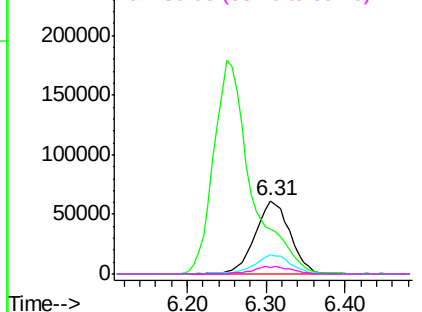
Lab File: VW009105.D

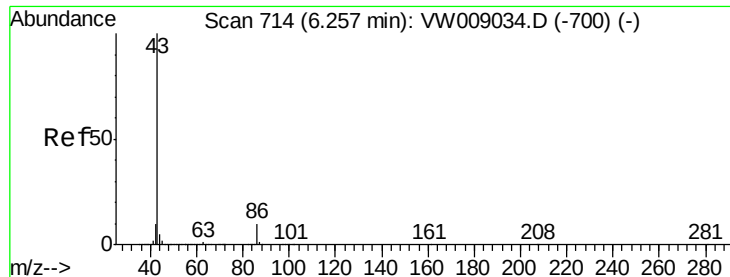
Acq: 12 Mar 2019 01:17

Tgt Ion:	45	Resp:	190452
Ion	Ratio	Lower	Upper
45	100		
43	59.1	46.2	69.4
87	25.3	20.1	30.1
59	9.4	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: 108.312 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

Instrument :

MSVOA_W

ClientSampleId :

VW0311SBS02

Tot Ion: 43 Resp: 590796

Ion Ratio Lower Upper

43 100

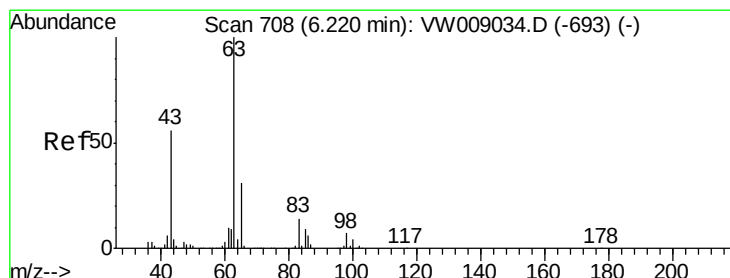
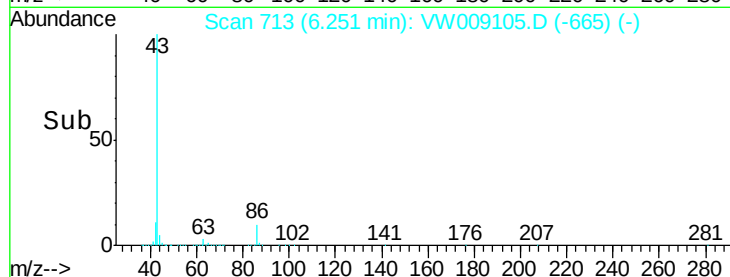
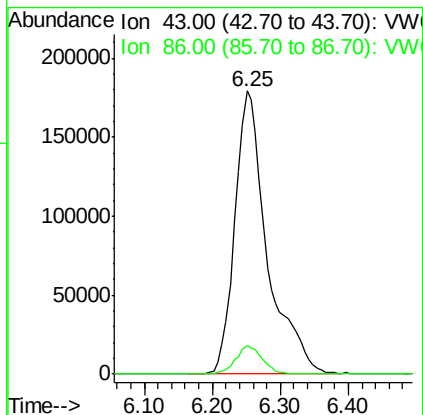
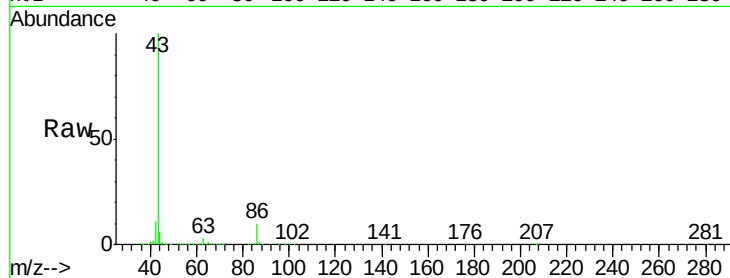
86 10.0 7.6 11.4

Manual Integrations

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MMDadoda

3/12/2019 1:16:13 PM



#24

1,1-Dichloroethane

Concen: 21.360 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

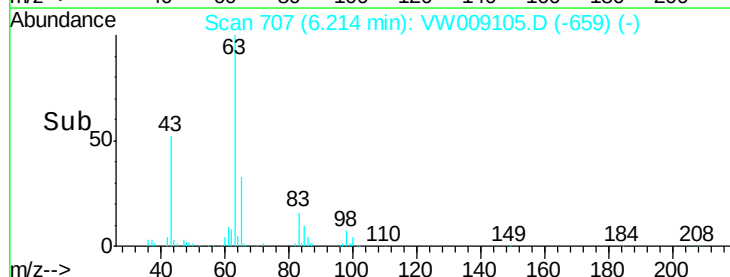
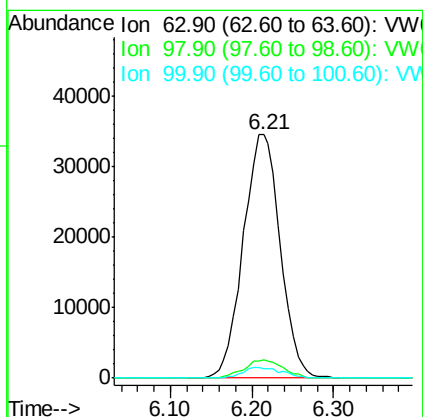
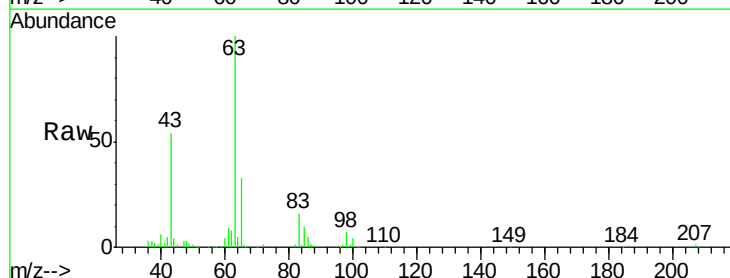
Tgt Ion: 63 Resp: 108596

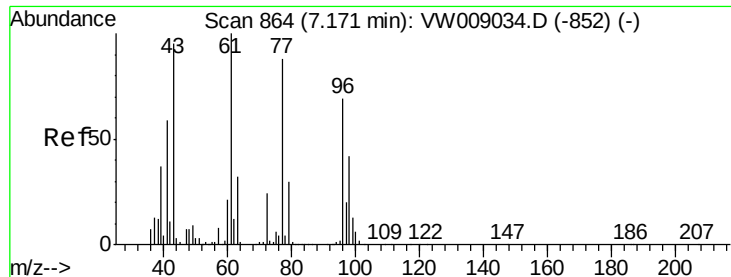
Ion Ratio Lower Upper

63 100

98 7.3 3.4 10.2

100 4.1 2.1 6.2





#25

2-Butanone

Concen: 111.852 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

Instrument :

MSVOA_W

ClientSampleId :

VW0311SBS02

Tot Ion: 43 Resp: 97643

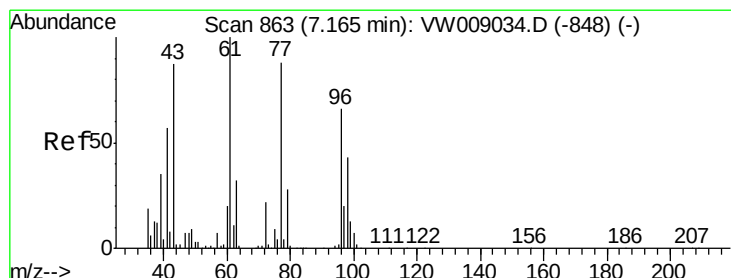
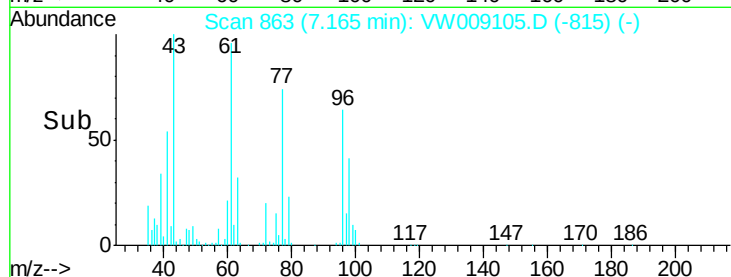
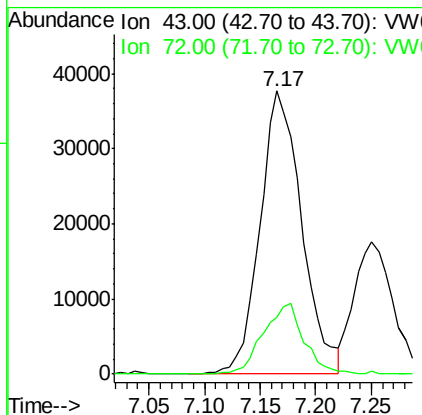
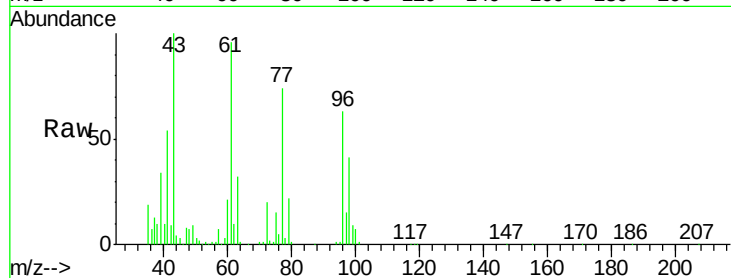
Ion Ratio Lower Upper

43 100

72 20.1 20.0 30.0

Manual Integrations
APPROVED

MMDadoda
3/12/2019 1:16:13 PM



#26

2,2-Dichloropropane

Concen: 18.057 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW009105.D

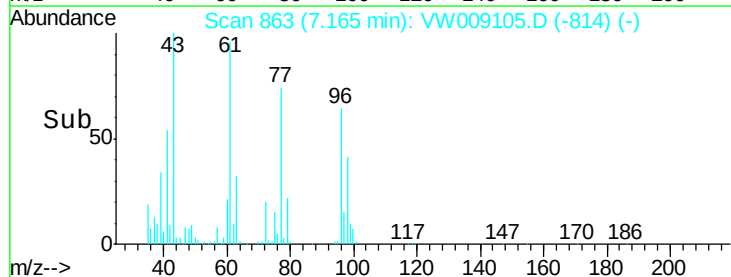
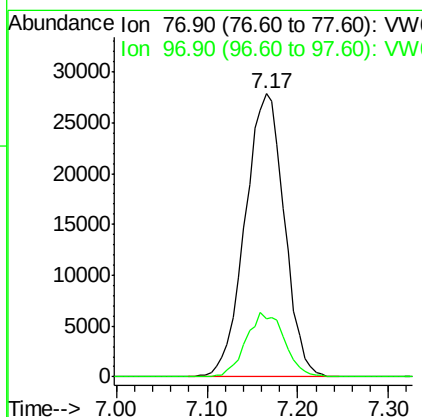
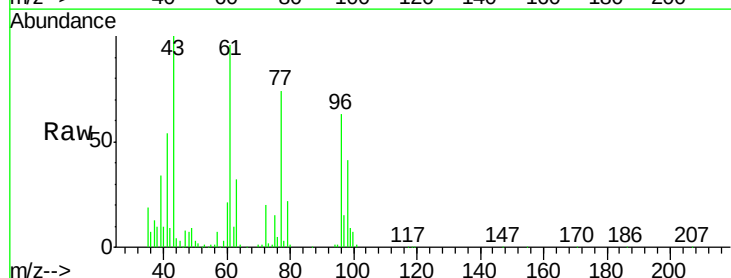
Acq: 12 Mar 2019 01:17

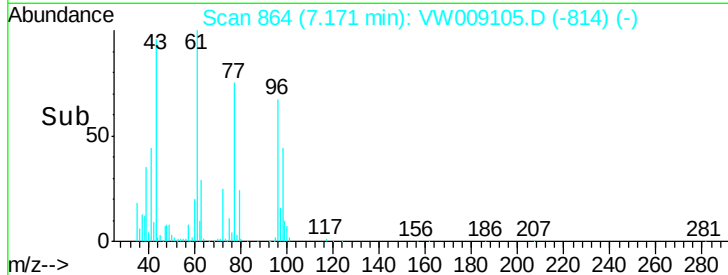
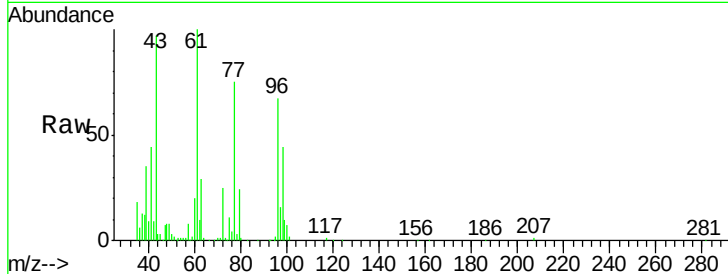
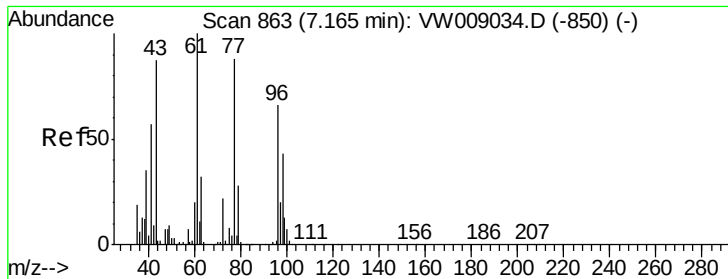
Tgt Ion: 77 Resp: 83444

Ion Ratio Lower Upper

77 100

97 22.3 10.9 32.9





#27

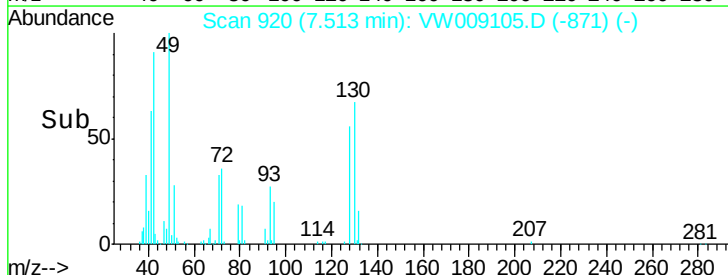
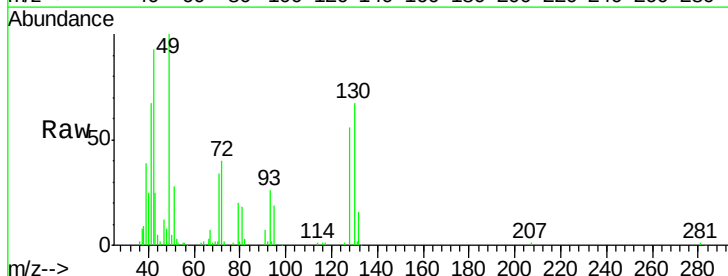
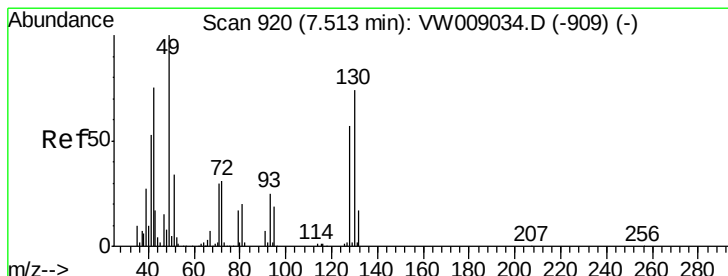
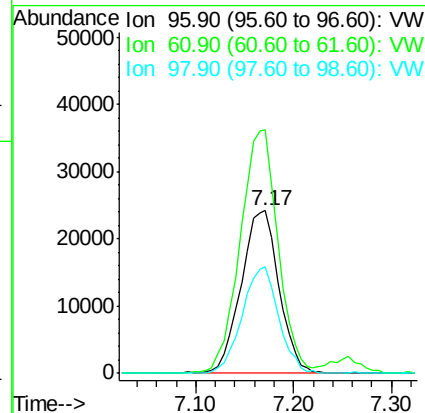
cis-1,2-Dichloroethene
Concen: 20.951 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW009105.D
Acq: 12 Mar 2019 01:17

Tot Ion	Ratio	Resp	Lower	Upper
96	100	64965		
61	149.5		0.0	299.8
98	63.2		0.0	127.2

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBS02

Manual Integrations
APPROVED

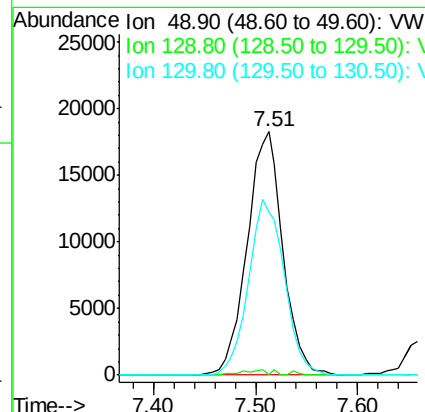
MMDadoda
3/12/2019 1:16:13 PM

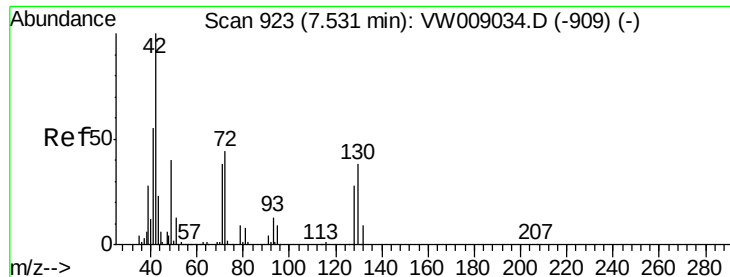


#28

Bromochloromethane
Concen: 20.968 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW009105.D
Acq: 12 Mar 2019 01:17

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	44340		
129	1.4		0.0	4.6
130	72.6		60.4	90.6





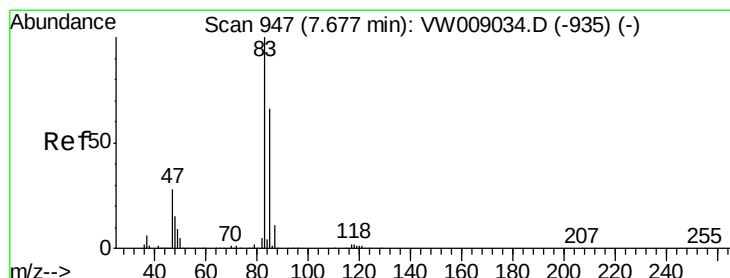
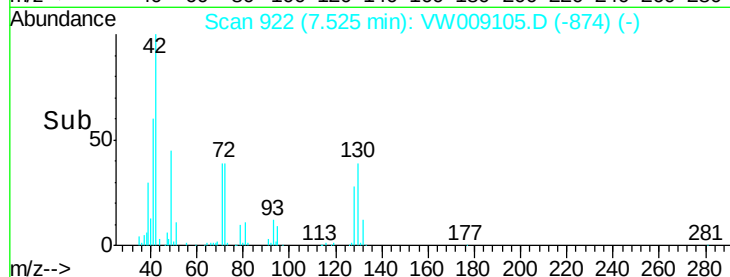
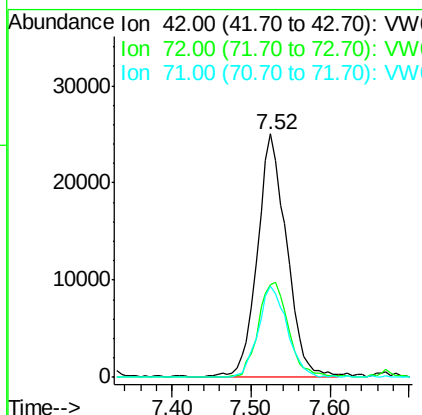
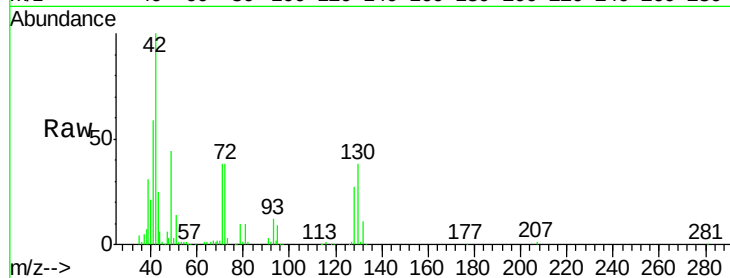
#29
Tetrahydrofuran
Concen: 117.730 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW009105.D
Acq: 12 Mar 2019 01:17

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.4	32.2	48.4
71	37.1	30.7	46.1

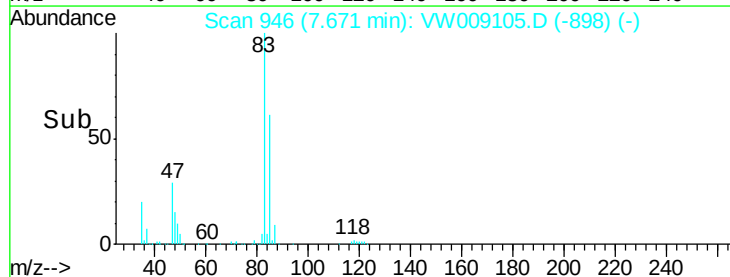
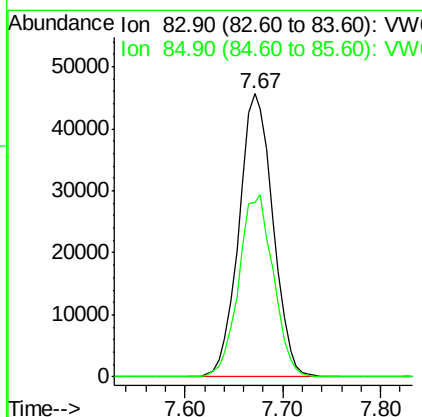
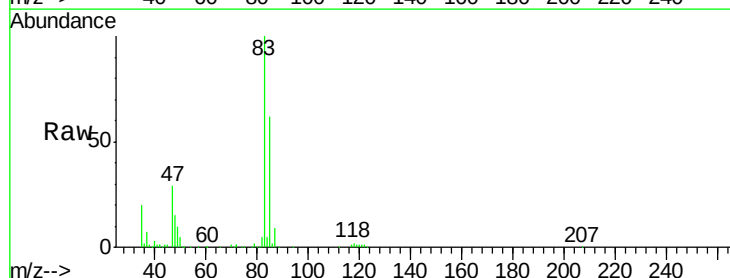
Manual Integrations
APPROVED

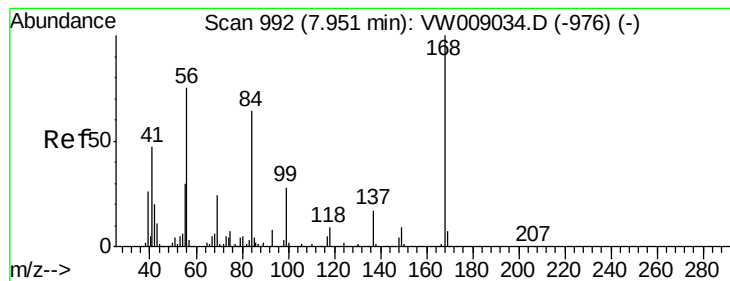
MMDadoda
3/12/2019 1:16:13 PM



#30
Chloroform
Concen: 21.063 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW009105.D
Acq: 12 Mar 2019 01:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.8	53.0	79.6





#31

Cyclohexane

Concen: 19.298 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

Instrument :

MSVOA_W

ClientSampleId :

VW0311SBS02

Tot Ion: 56 Resp: 100739

Ion Ratio Lower Upper

56 100

69 40.6 25.5 38.3#

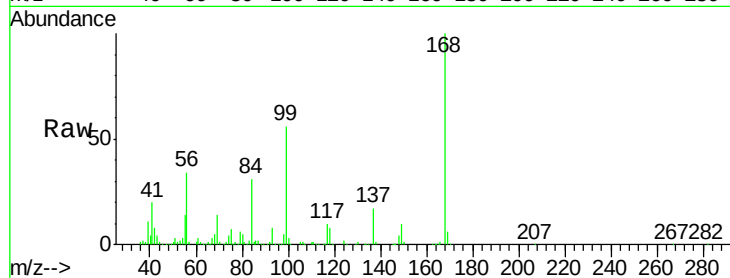
84 88.2 68.6 103.0

Manual Integrations

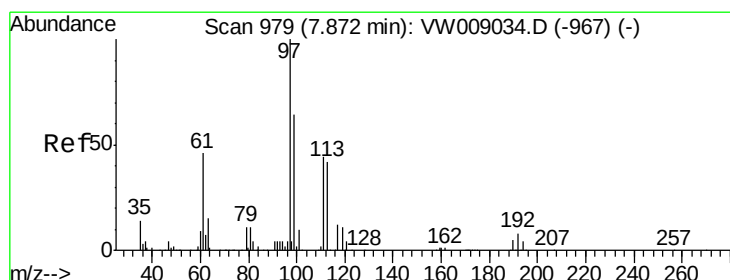
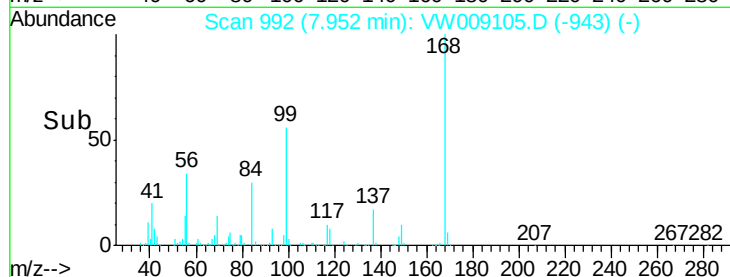
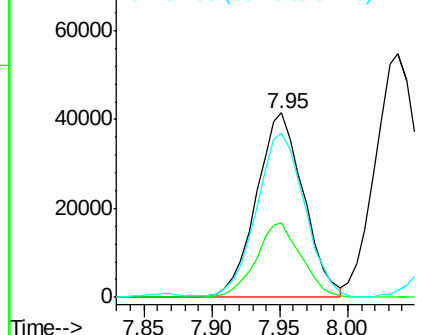
APPROVED

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Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 20.146 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

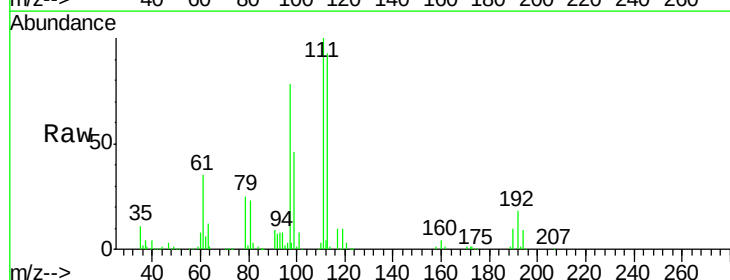
Tgt Ion: 97 Resp: 97315

Ion Ratio Lower Upper

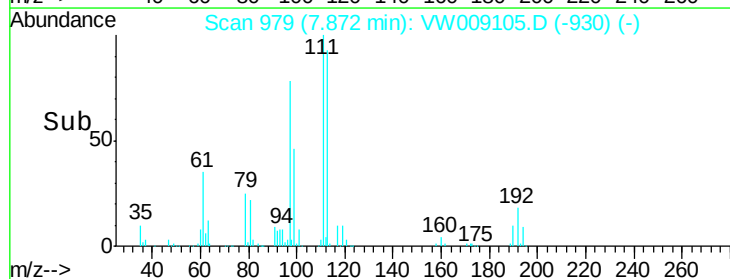
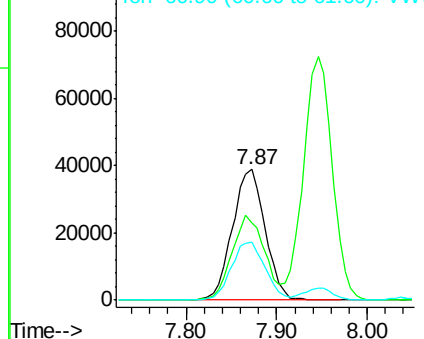
97 100

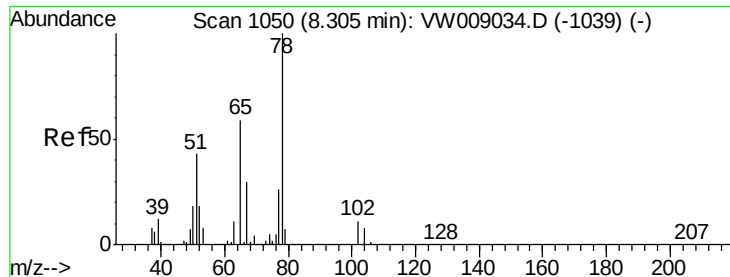
99 64.2 51.8 77.8

61 45.9 37.3 55.9



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW





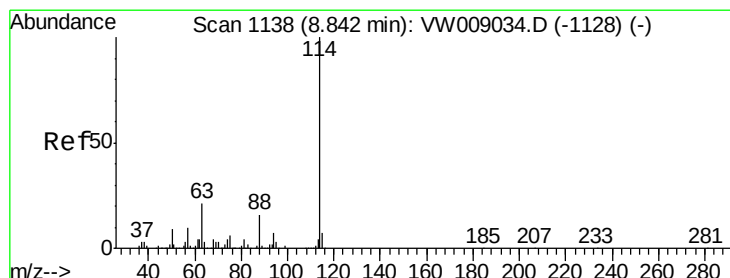
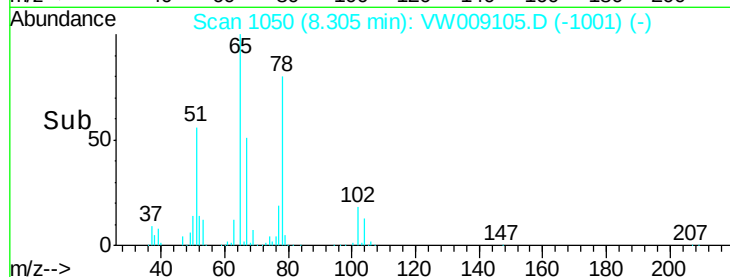
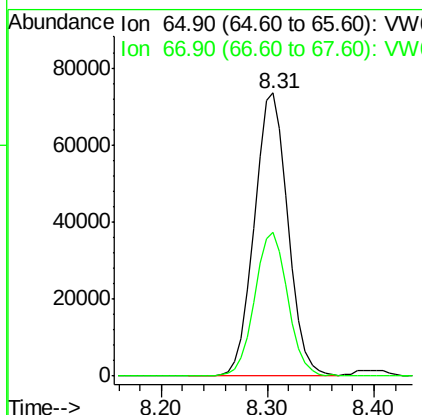
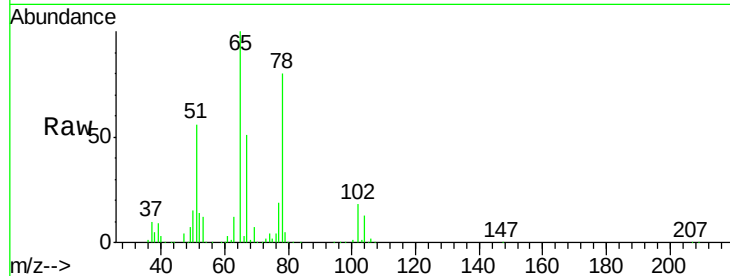
#33
 1,2-Dichloroethane-d4
 Concen: 57.976 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW009105.D
 Acq: 12 Mar 2019 01:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0311SBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	162287		
67	50.2	0.0	103.0	

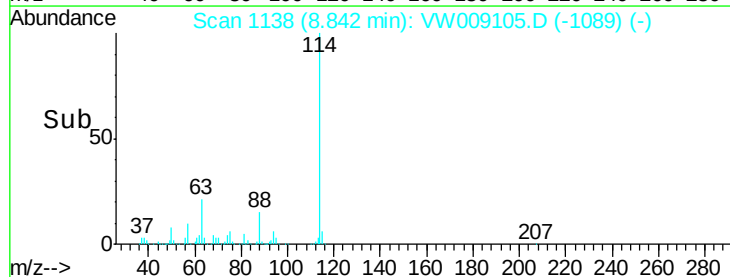
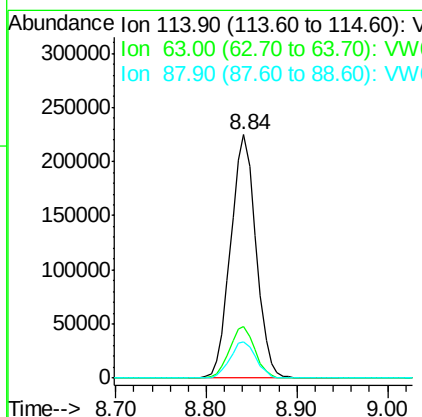
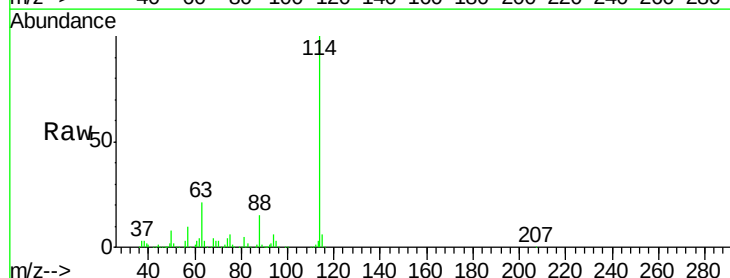
Manual Integrations
 APPROVED

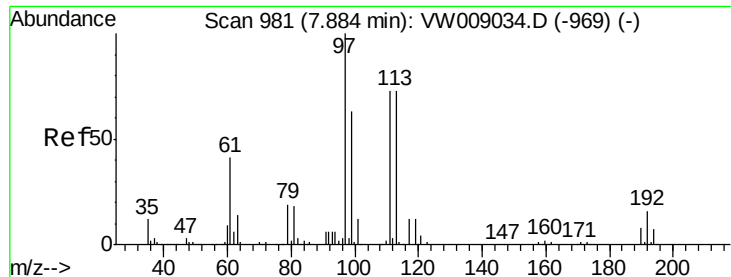
MMDadoda
 3/12/2019 1:16:13 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW009105.D
 Acq: 12 Mar 2019 01:17

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	433965		
63	21.2	0.0	41.2	
88	15.1	0.0	31.2	





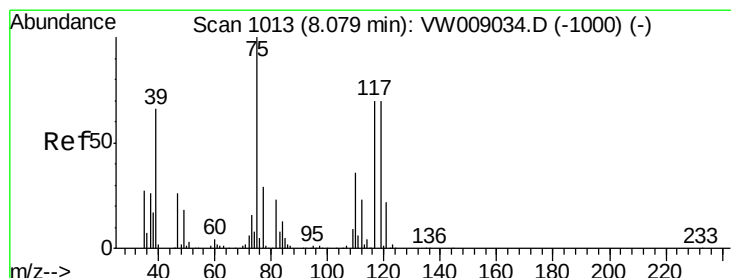
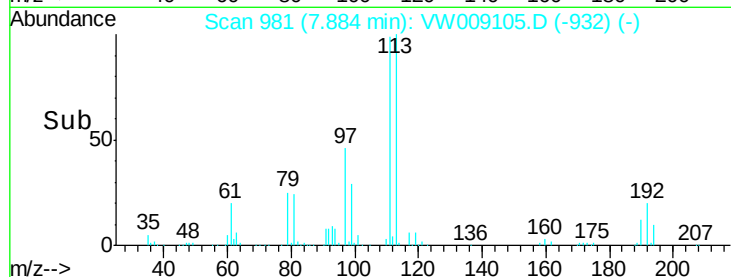
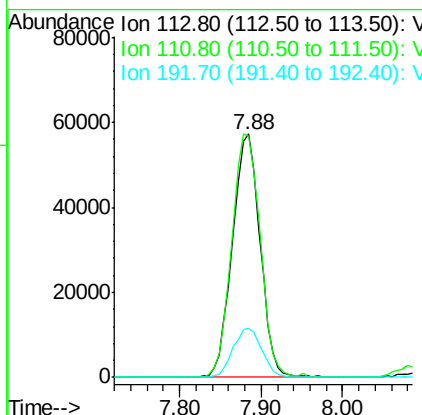
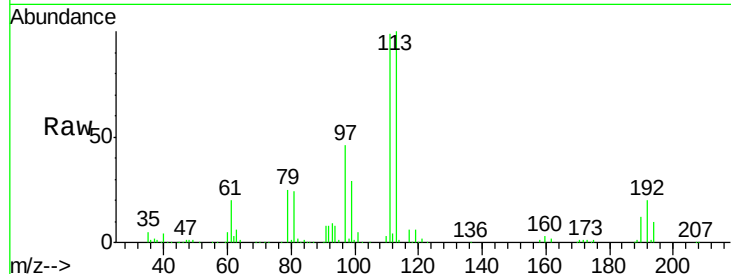
#35
 Dibromofluoromethane
 Concen: 51.208 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW009105.D
 Acq: 12 Mar 2019 01:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0311SBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	133799		
111	102.5	81.0	121.4	
192	21.0	17.1	25.7	

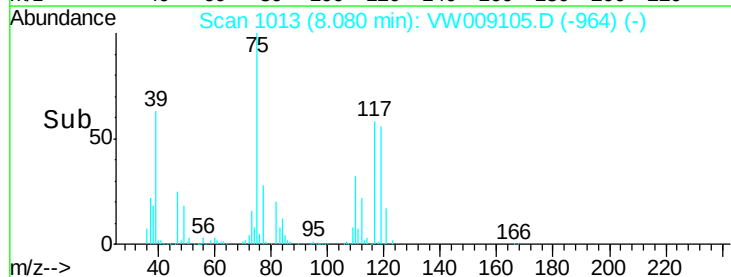
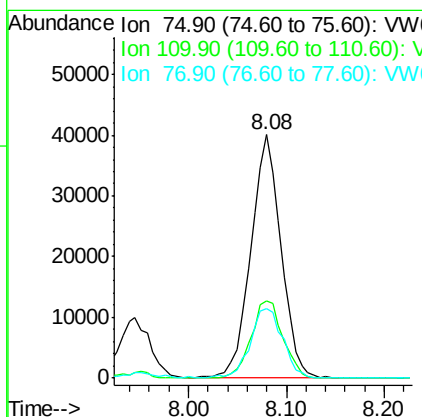
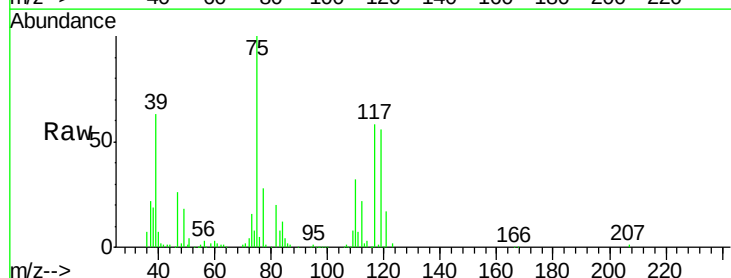
Manual Integrations
 APPROVED

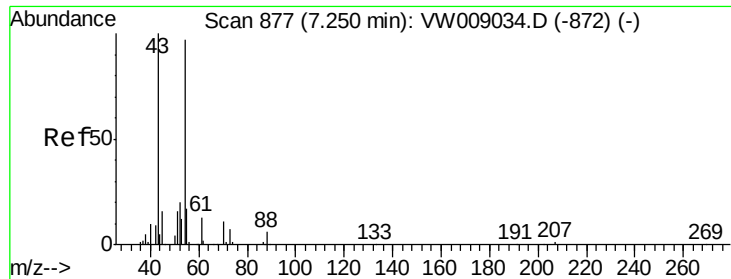
MMDadoda
 3/12/2019 1:16:13 PM



#36
 1,1-Dichloropropene
 Concen: 18.851 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW009105.D
 Acq: 12 Mar 2019 01:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	85538		
110	33.5	17.6	52.9	
77	30.8	25.1	37.7	





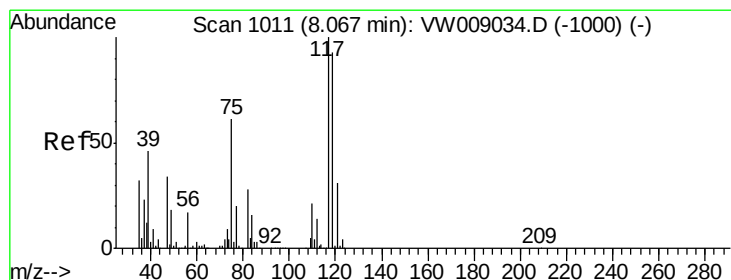
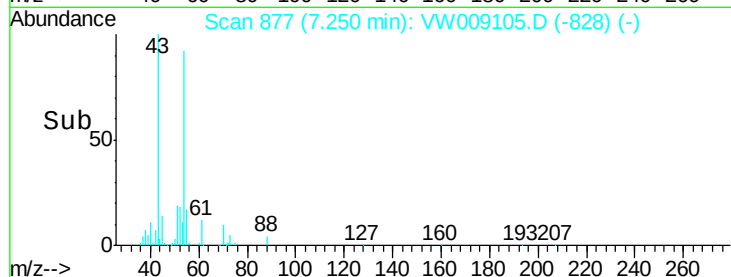
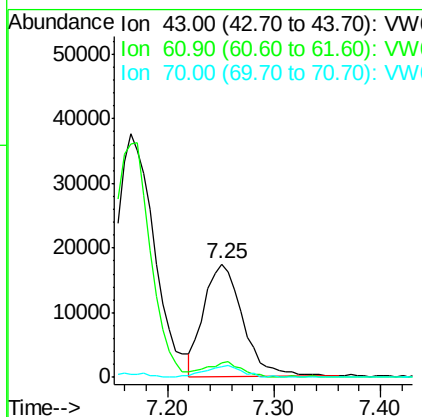
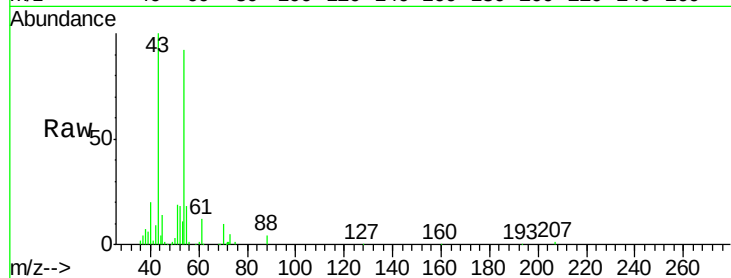
#37
Ethyl Acetate
Concen: 20.495 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW009105.D
Acq: 12 Mar 2019 01:17

Instrument :
MSVOA_W
ClientSampled :
VW0311SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	9.8	14.6
70	10.4	7.2	10.8

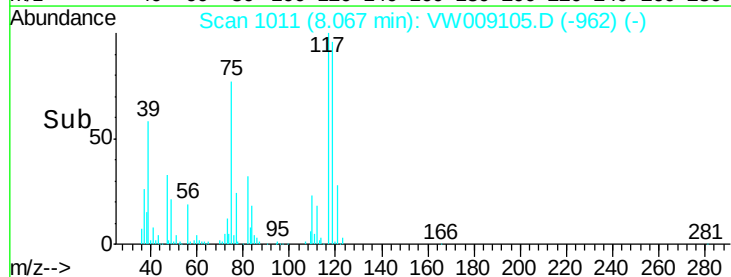
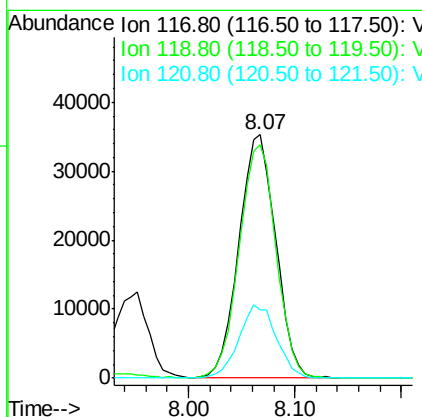
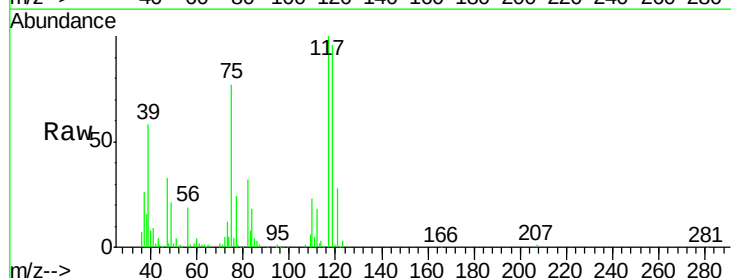
Manual Integrations
APPROVED

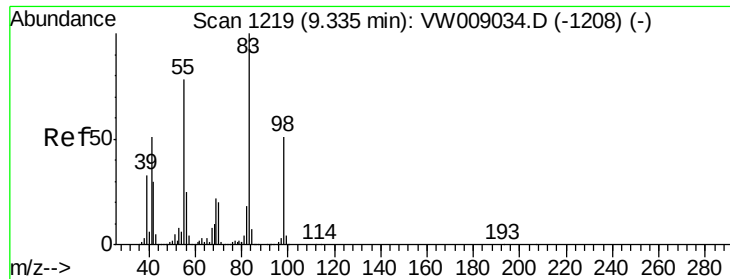
MMDadoda
3/12/2019 1:16:13 PM



#38
Carbon Tetrachloride
Concen: 18.358 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW009105.D
Acq: 12 Mar 2019 01:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	74.6	112.0
121	28.1	24.7	37.1





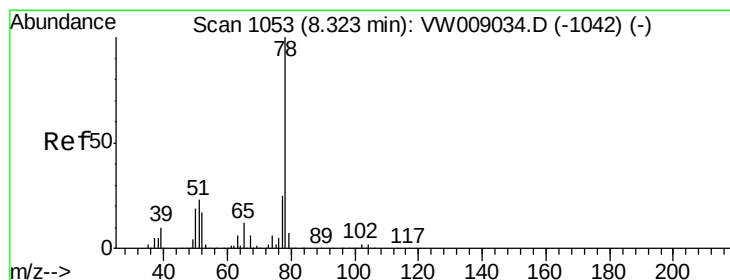
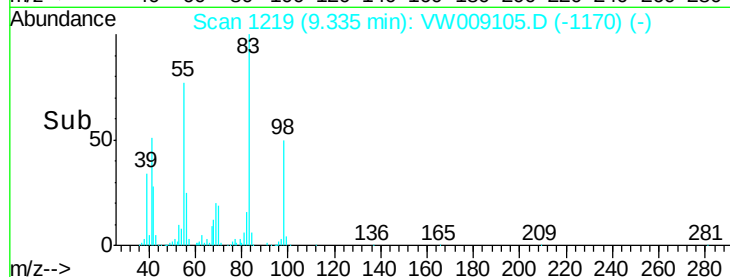
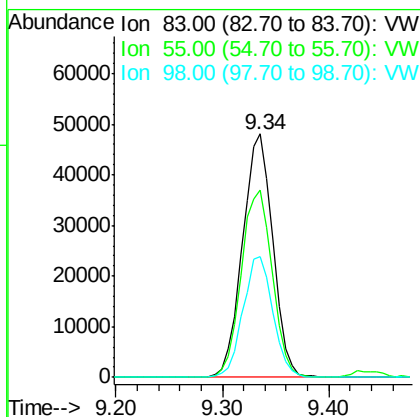
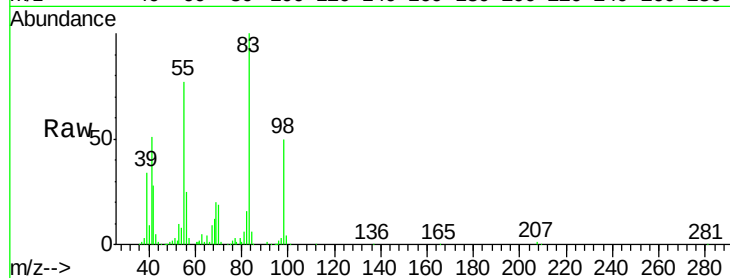
#39
Methylvlcyclohexane
Concen: 17.814 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW009105.D
Acq: 12 Mar 2019 01:17

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBS02

Tot Ion	83	Resp	96279
Ion	Ratio	Lower	Upper
83	100		
55	77.1	62.7	94.1
98	49.7	40.8	61.2

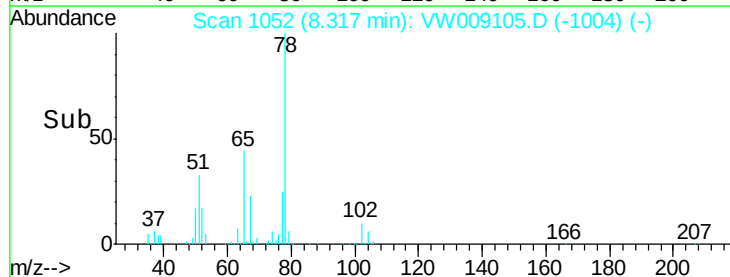
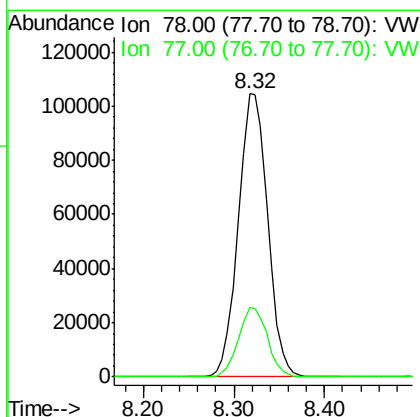
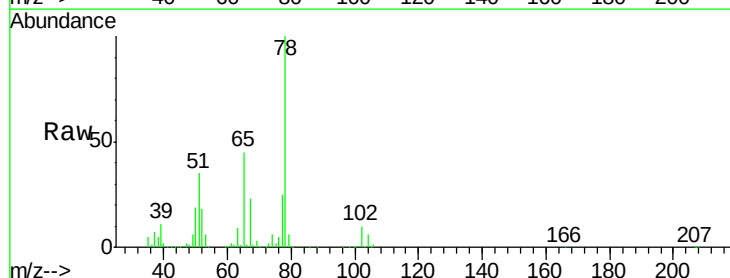
Manual Integrations
APPROVED

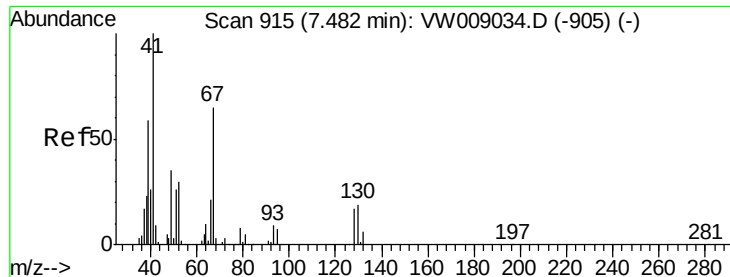
MMDadoda
3/12/2019 1:16:13 PM



#40
Benzene
Concen: 19.382 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW009105.D
Acq: 12 Mar 2019 01:17

Tgt Ion	78	Resp	234769
Ion	Ratio	Lower	Upper
78	100		
77	24.7	20.2	30.4





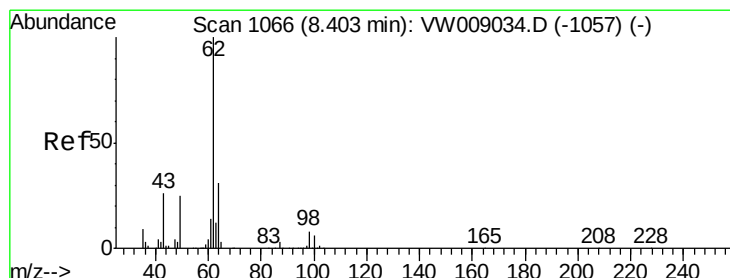
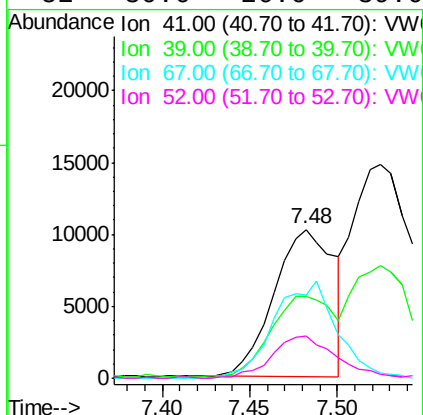
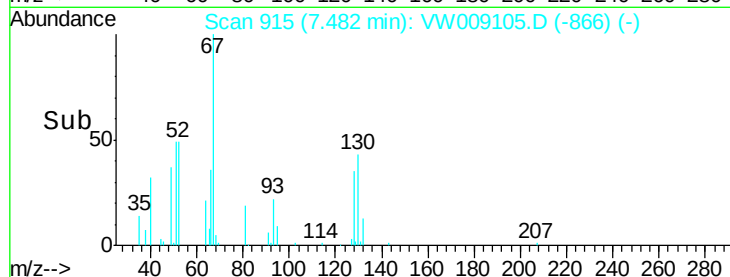
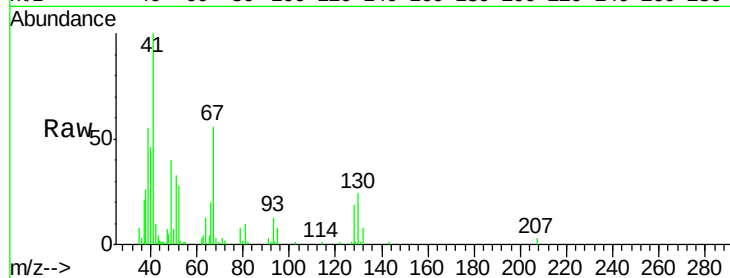
#41
Methacrylonitrile
Concen: 20.705 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW009105.D
Acq: 12 Mar 2019 01:17

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBS02

Tot Ion	41	Resp	24506
Ion Ratio	Lower	Upper	
41	100		
39	57.5	53.6	80.4
67	68.6	57.6	86.4
52	30.6	26.0	39.0

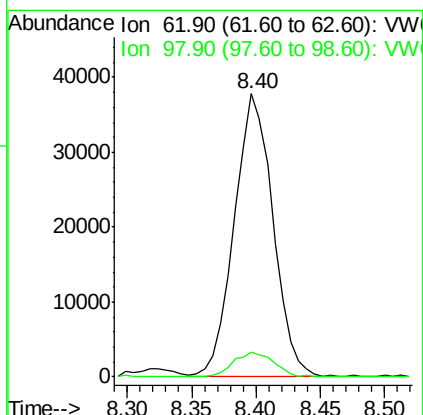
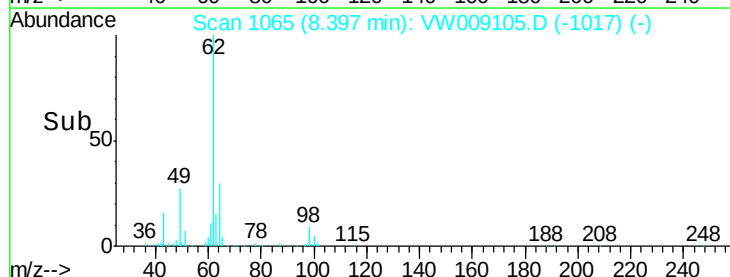
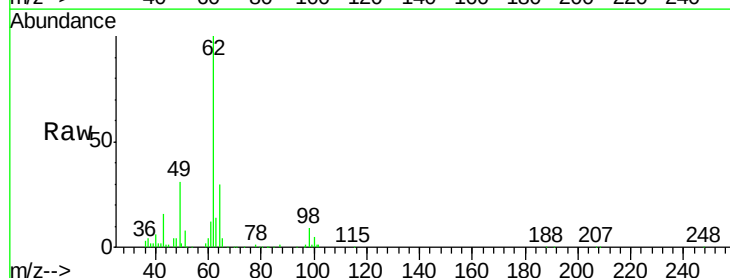
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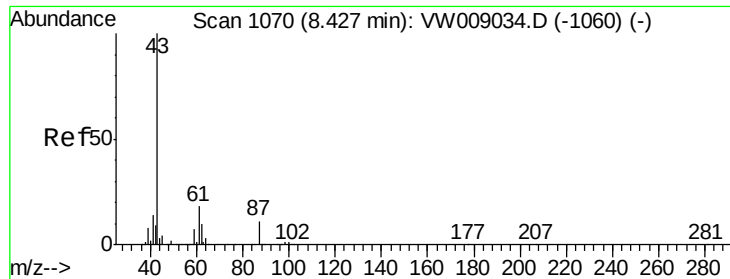
MMDadoda
3/12/2019 1:16:13 PM



#42
1,2-Dichloroethane
Concen: 20.076 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW009105.D
Acq: 12 Mar 2019 01:17

Tgt Ion	62	Resp	78510
Ion Ratio	Lower	Upper	
62	100		
98	9.2	0.0	17.6





#43

Isopropyl Acetate

Concen: 20.978 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

Instrument :

MSVOA_W

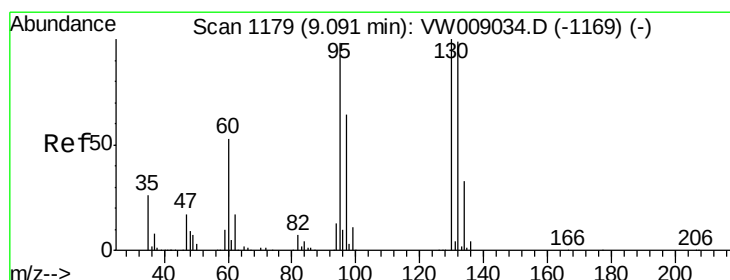
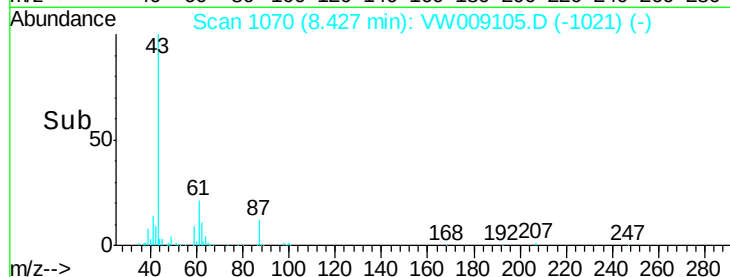
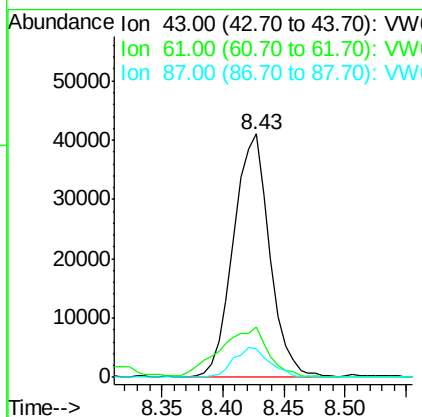
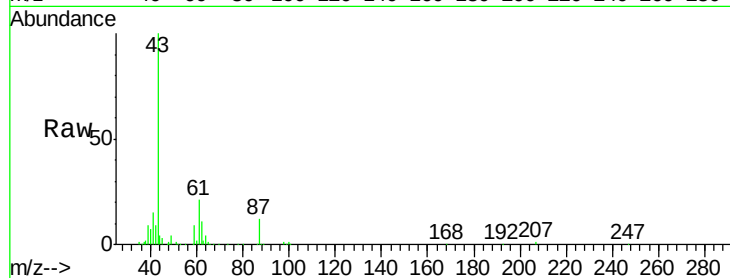
ClientSampleId :

VW0311SBS02

Tot Ion:	43	Resp:	83274
Ion	Ratio	Lower	Upper
43	100		
61	27.2	22.8	34.2
87	12.4	9.4	14.2

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#44

Trichloroethene

Concen: 18.896 ug/l

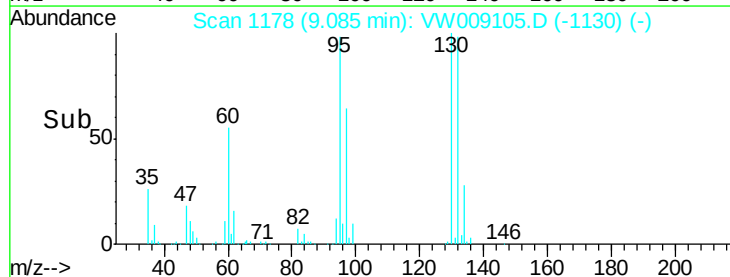
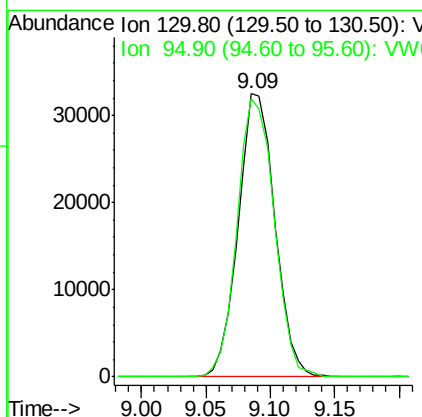
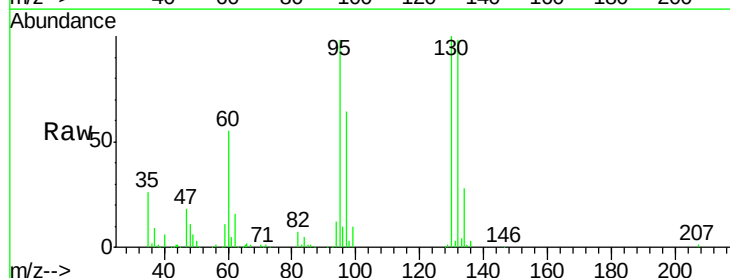
RT: 9.09 min Scan# 1178

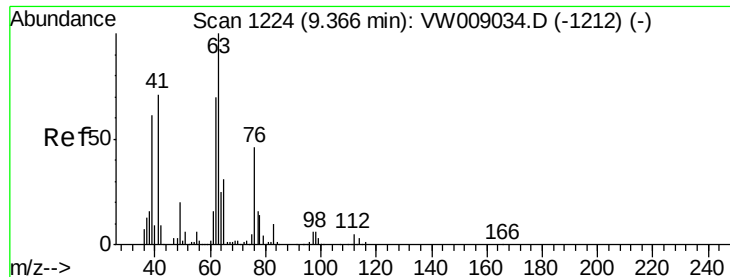
Delta R.T. -0.01 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

Tgt Ion:	130	Resp:	64151
Ion	Ratio	Lower	Upper
130	100		
95	98.4	0.0	197.0





#45

1,2-Dichloropropane

Concen: 19.346 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

Instrument :

MSVOA_W

ClientSampleId :

VW0311SBS02

Tot Ion: 63 Resp: 58692

Ion Ratio Lower Upper

63 100

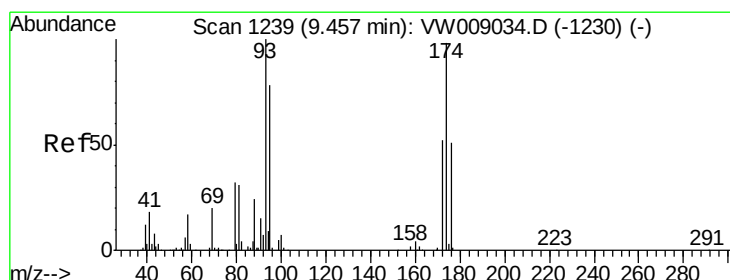
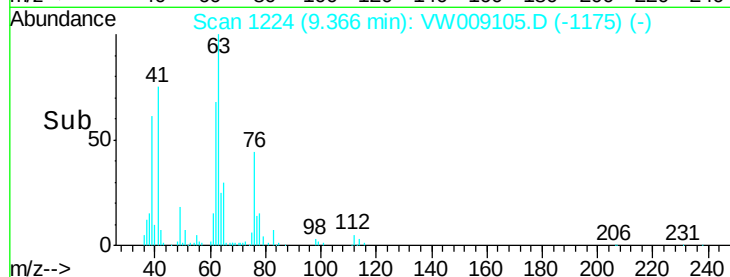
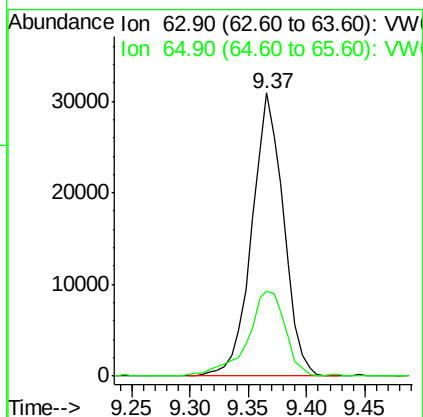
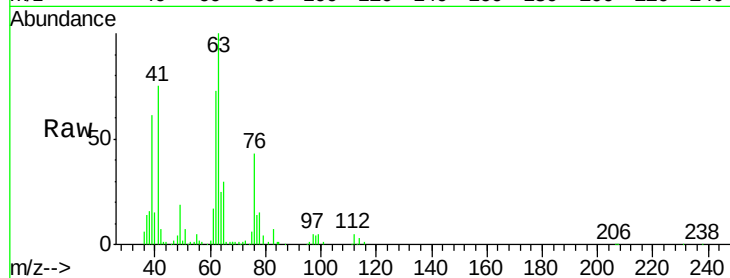
65 29.6 24.9 37.3

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#46

Dibromomethane

Concen: 20.197 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

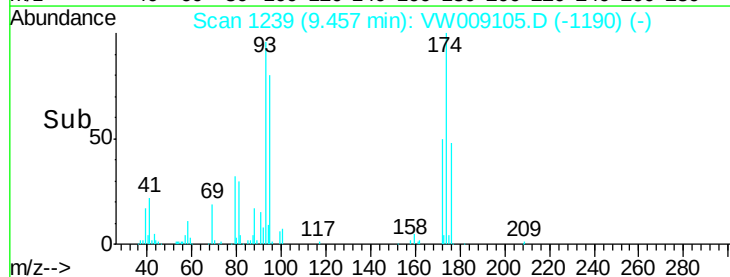
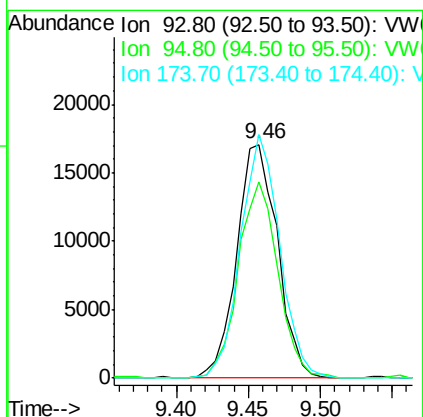
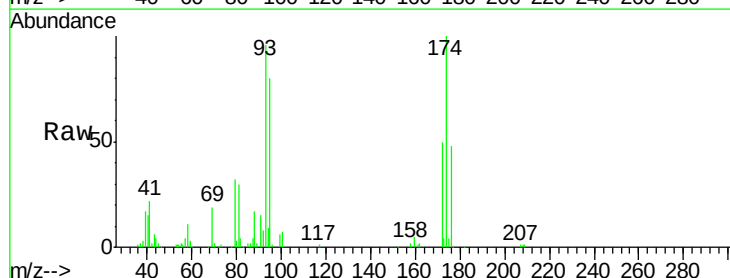
Tgt Ion: 93 Resp: 33463

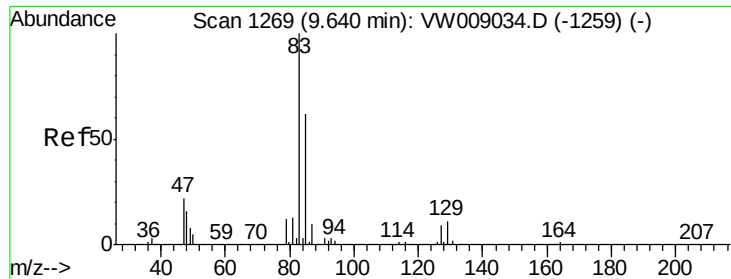
Ion Ratio Lower Upper

93 100

95 82.0 65.0 97.6

174 99.9 81.8 122.6





#47

Bromodichloromethane

Concen: 19.694 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

Instrument :

MSVOA_W

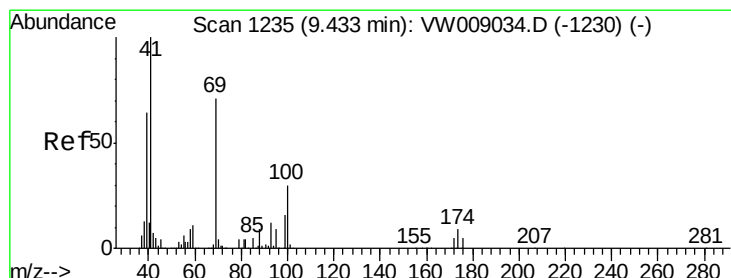
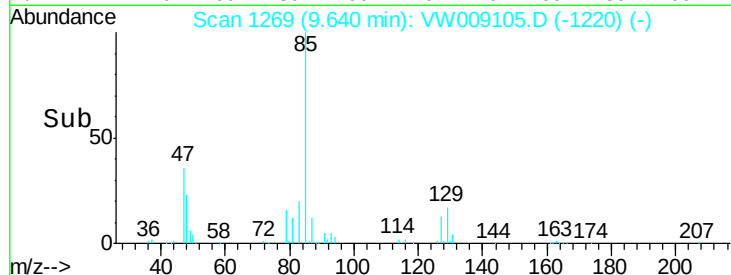
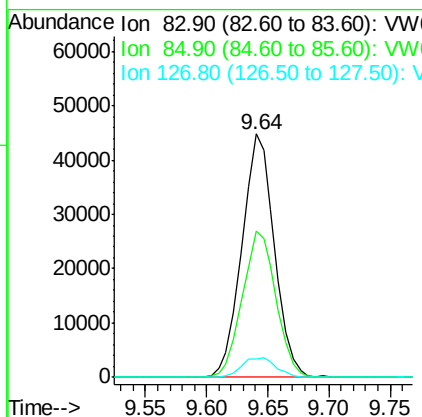
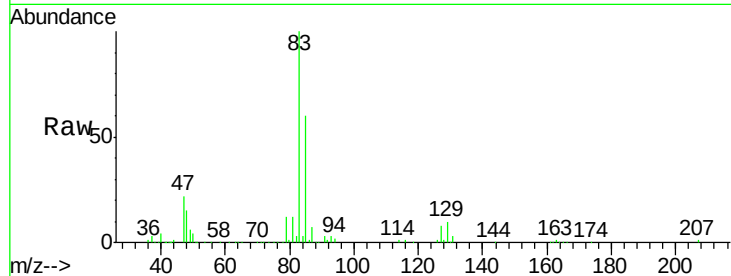
ClientSampleId :

VW0311SBS02

Tot Ion:	83	Resp:	82600
Ion	Ratio	Lower	Upper
83	100		
85	60.4	49.9	74.9
127	7.8	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.192 ug/l

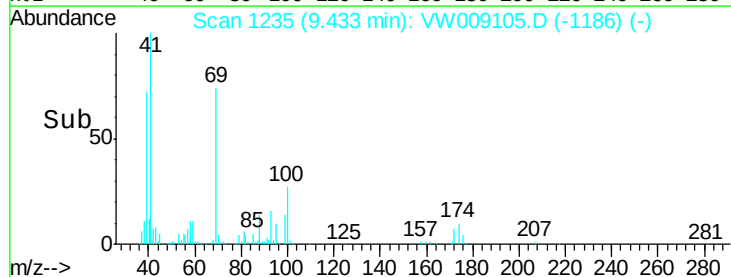
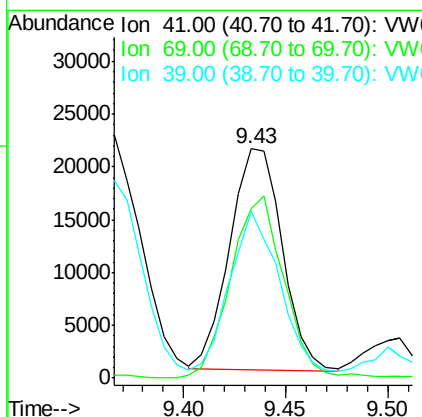
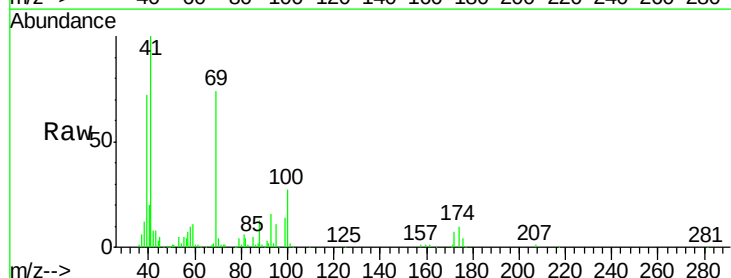
RT: 9.43 min Scan# 1235

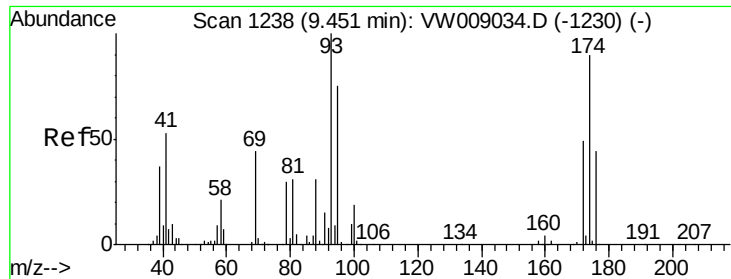
Delta R.T. 0.00 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

Tgt Ion:	41	Resp:	37323
Ion	Ratio	Lower	Upper
41	100		
69	84.3	59.1	88.7
39	74.7	48.9	73.3#





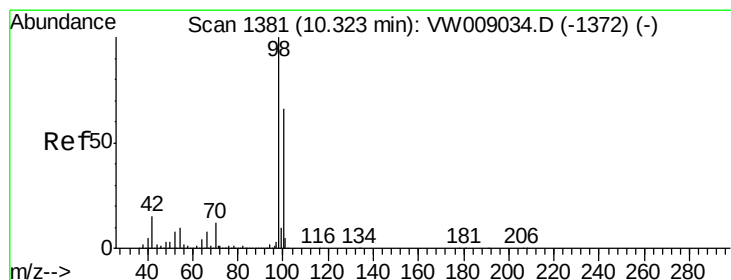
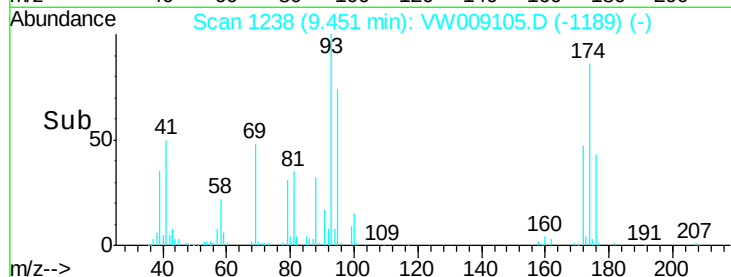
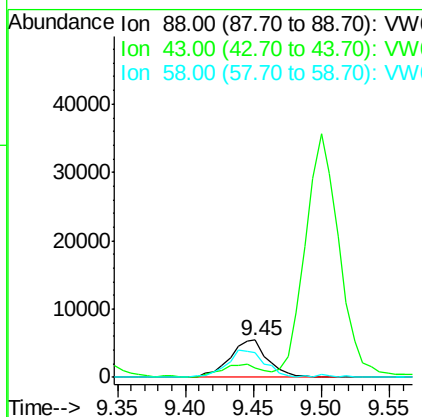
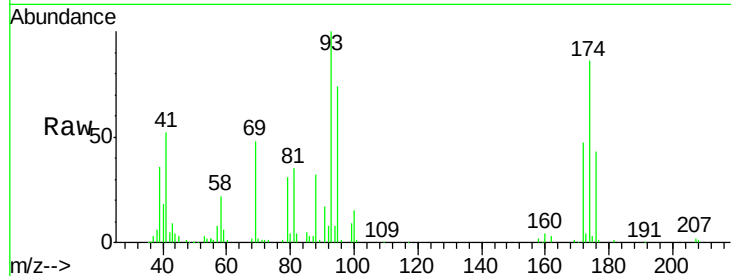
#49
1,4-Dioxane
Concen: 444.453 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.00 min
Lab File: VW009105.D
Acq: 12 Mar 2019 01:17

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBS02

Tot Ion	88	Resp	10545
Ion Ratio	Lower	Upper	
88	100		
43	38.6	29.0	43.4
58	72.9	59.2	88.8

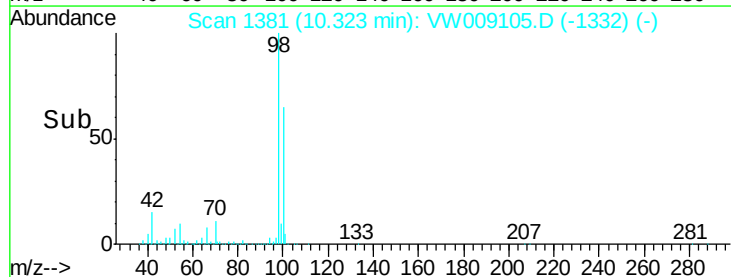
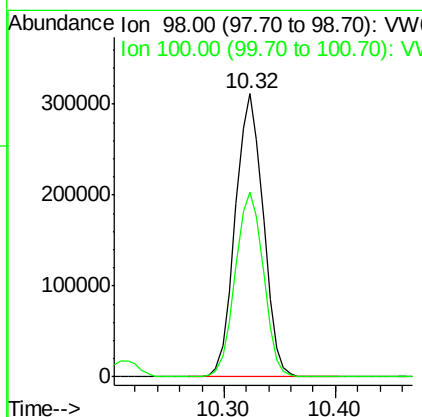
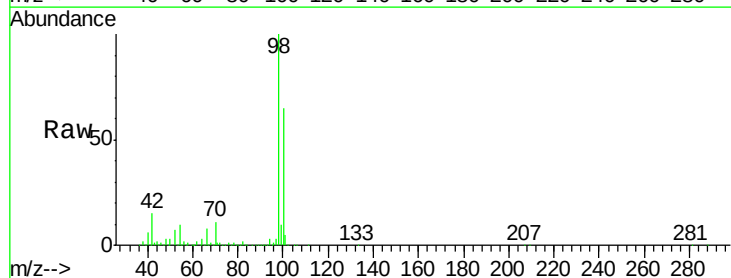
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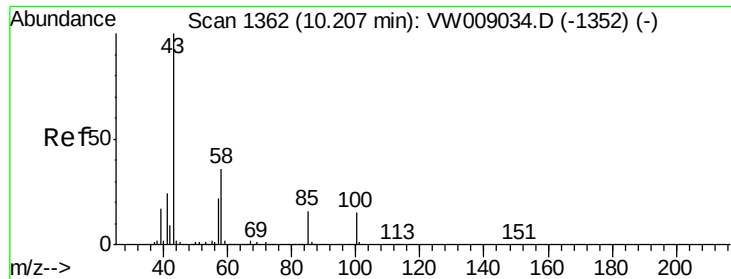
MMDadoda
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#50
Toluene-d8
Concen: 50.549 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW009105.D
Acq: 12 Mar 2019 01:17

Tgt Ion	98	Resp	542465
Ion Ratio	Lower	Upper	
98	100		
100	65.5	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 107.166 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

Instrument :

MSVOA_W

ClientSampled :

VW0311SBS02

Tot Ion: 43 Resp: 215967

Ion Ratio Lower Upper

43 100

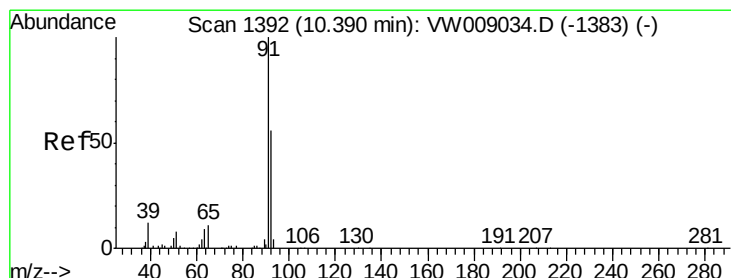
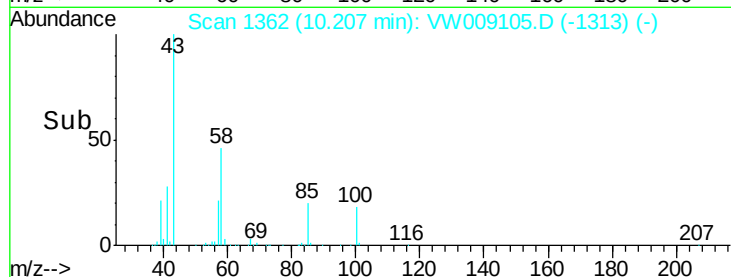
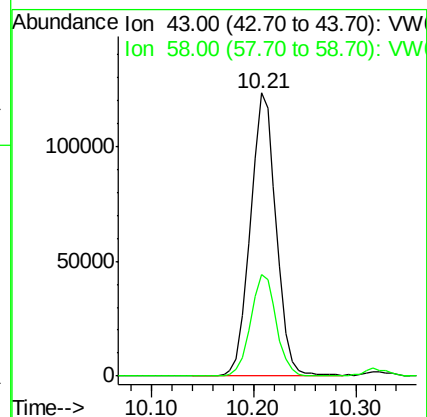
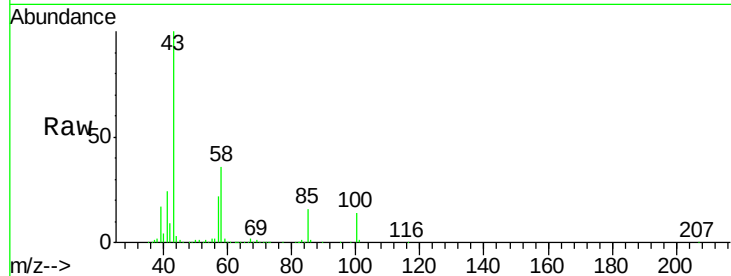
58 35.8 28.8 43.2

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#52

Toluene

Concen: 18.797 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW009105.D

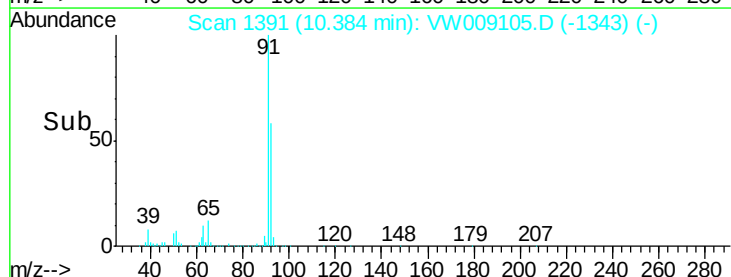
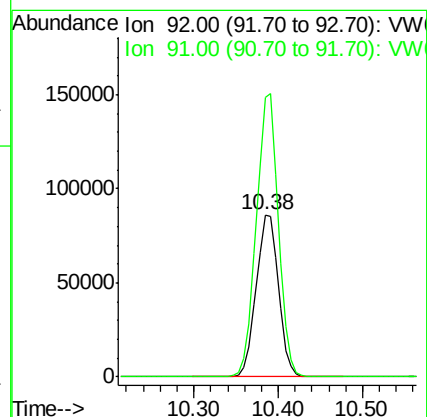
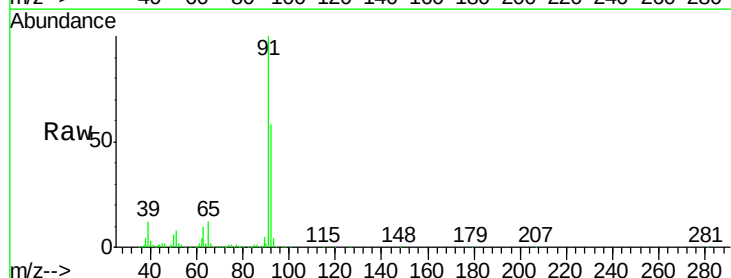
Acq: 12 Mar 2019 01:17

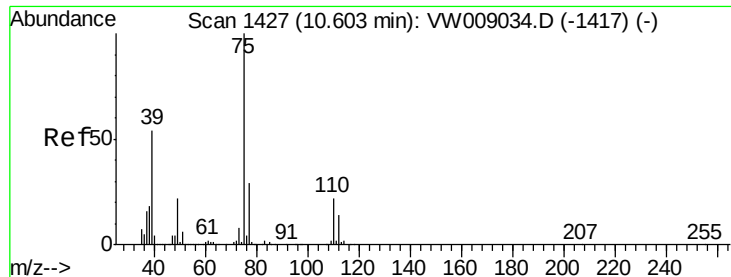
Tgt Ion: 92 Resp: 154413

Ion Ratio Lower Upper

92 100

91 172.2 139.9 209.9





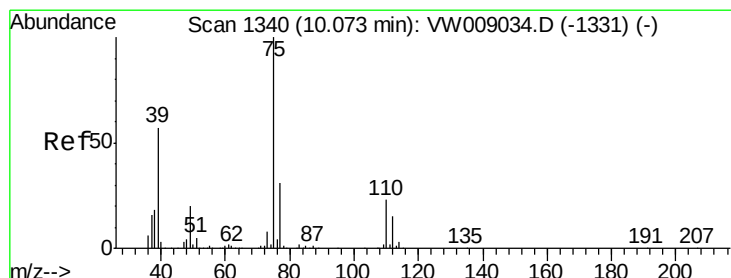
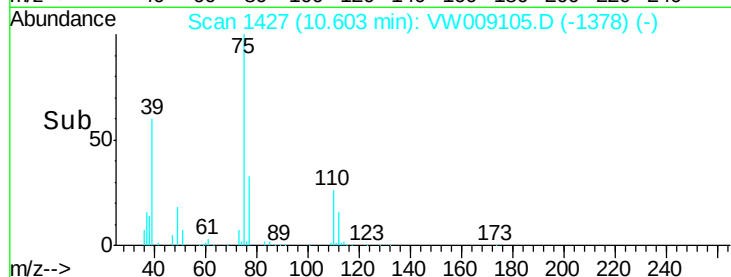
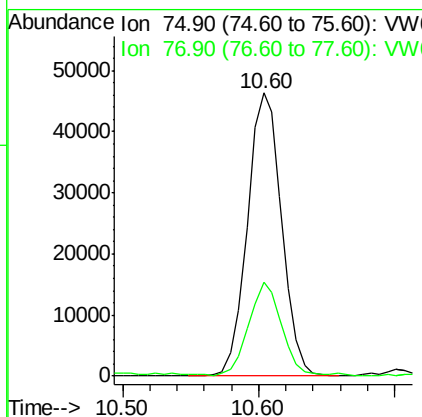
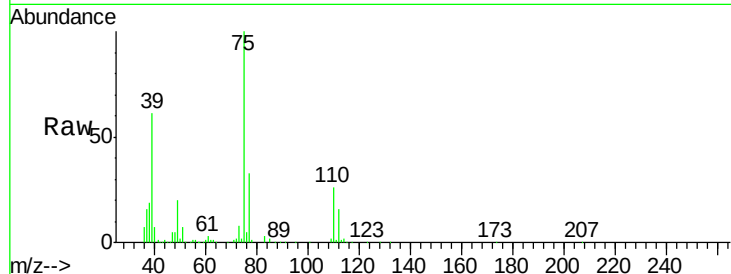
#53
t-1,3-Dichloropropene
Concen: 19.635 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW009105.D
Acq: 12 Mar 2019 01:17

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBS02

Tot Ion: 75 Resp: 81447
Ion Ratio Lower Upper
75 100
77 32.8 23.6 35.4

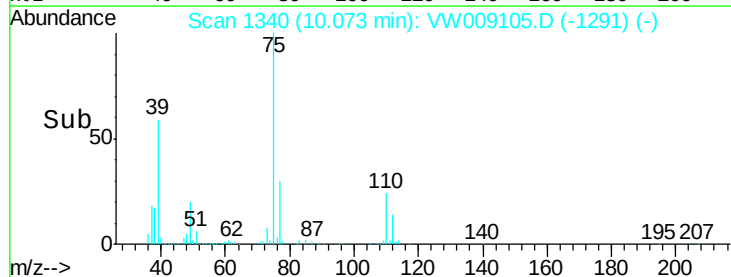
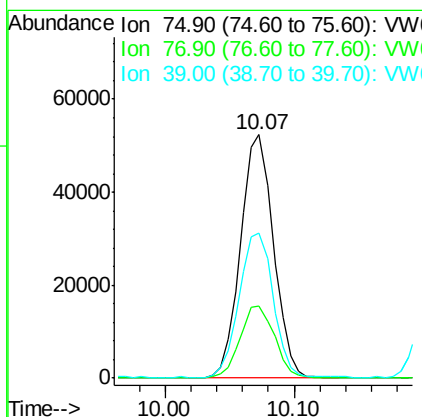
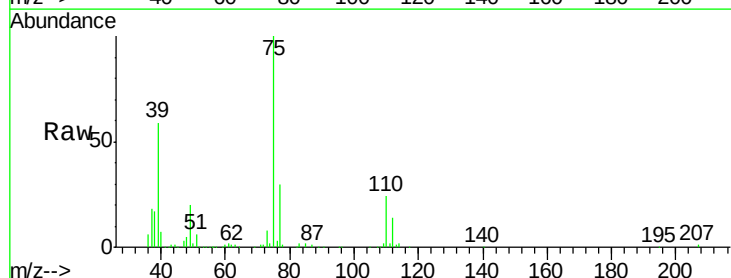
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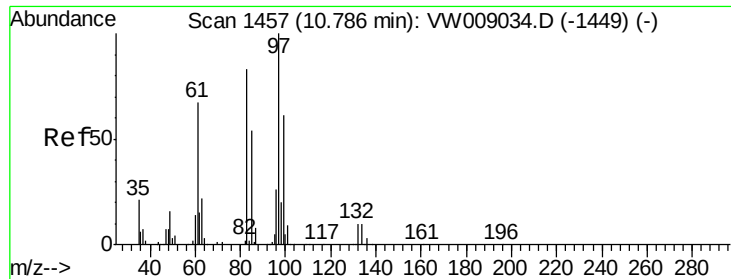
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#54
cis-1,3-Dichloropropene
Concen: 19.468 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW009105.D
Acq: 12 Mar 2019 01:17

Tgt Ion: 75 Resp: 92803
Ion Ratio Lower Upper
75 100
77 29.5 24.6 36.8
39 59.2 45.9 68.9





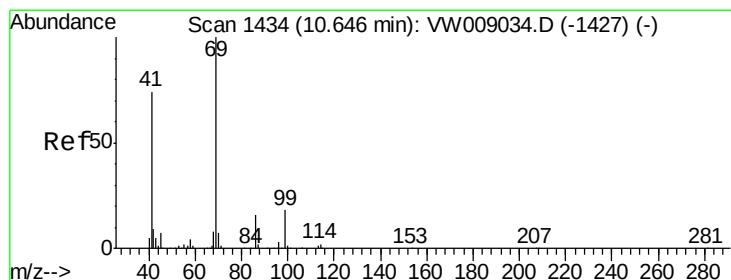
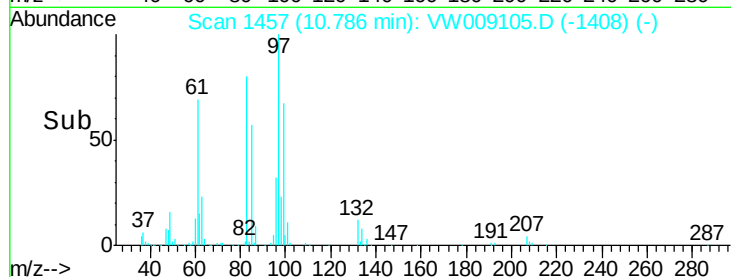
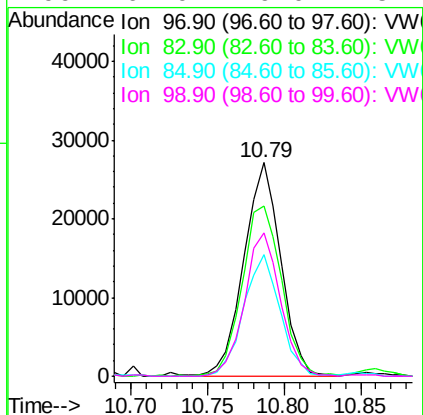
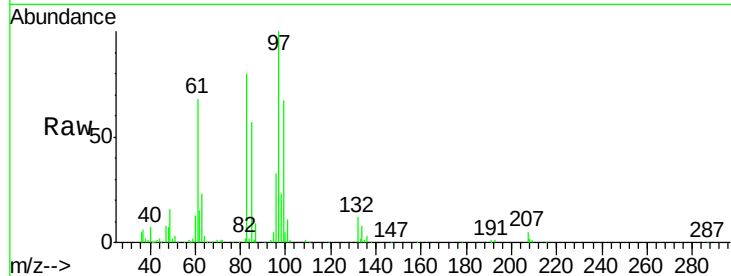
#55
 1,1,2-Trichloroethane
 Concen: 20.333 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW009105.D
 Acq: 12 Mar 2019 01:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0311SBS02

Tot Ion:	97	Resp:	45661
Ion	Ratio	Lower	Upper
97	100		
83	79.6	66.2	99.2
85	57.2	43.6	65.4
99	67.0	49.0	73.4

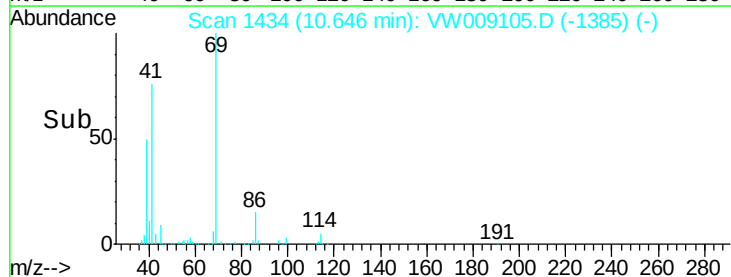
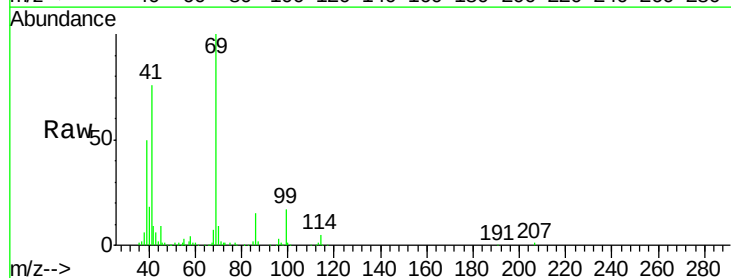
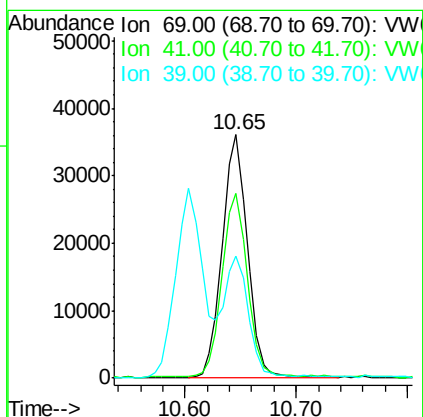
Manual Integrations
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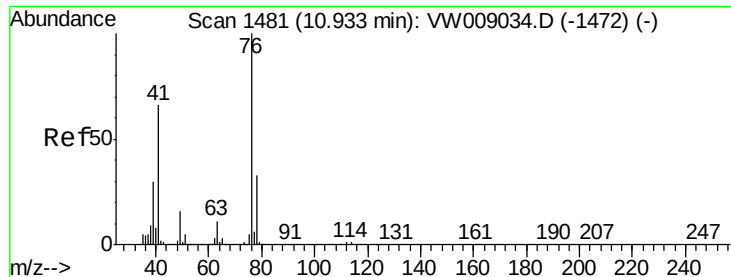
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 3/12/2019 1:16:13 PM



#56
 Ethyl methacrylate
 Concen: 20.561 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW009105.D
 Acq: 12 Mar 2019 01:17

Tgt Ion:	69	Resp:	57306
Ion	Ratio	Lower	Upper
69	100		
41	74.5	59.4	89.2
39	45.9	38.5	57.7





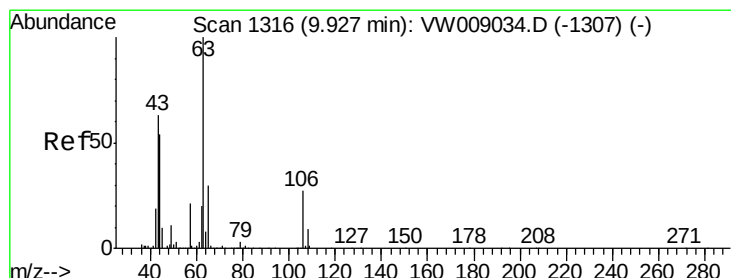
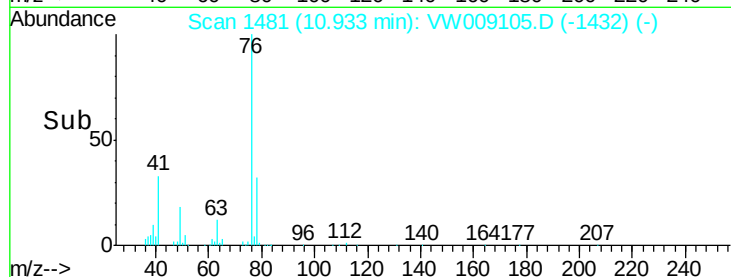
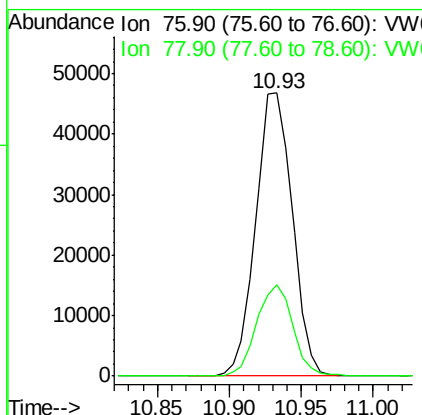
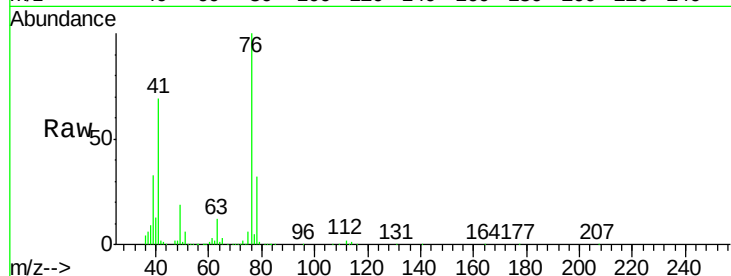
#57
 1,3-Dichloropropane
 Concen: 20.728 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW009105.D
 Acq: 12 Mar 2019 01:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0311SBS02

Tot Ion: 76 Resp: 82461
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.7 38.5

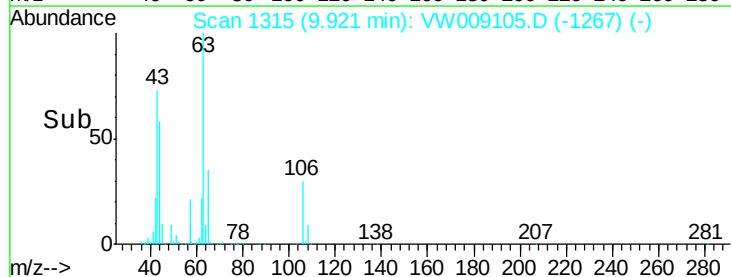
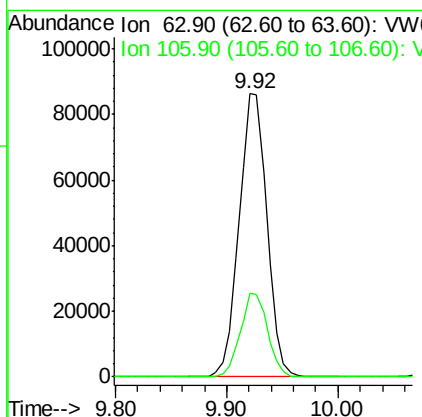
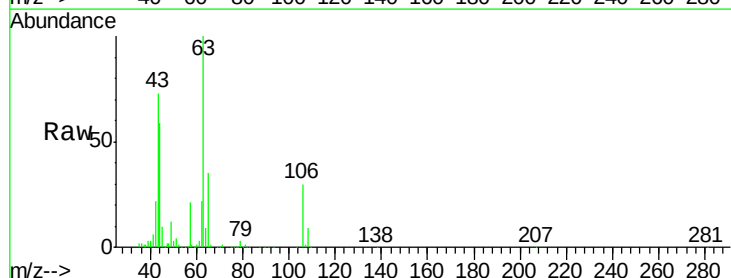
Manual Integrations
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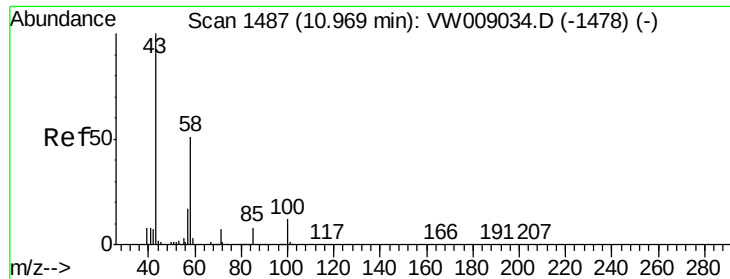
MMDadoda
 3/12/2019 1:16:13 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 103.582 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW009105.D
 Acq: 12 Mar 2019 01:17

Tgt Ion: 63 Resp: 149660
 Ion Ratio Lower Upper
 63 100
 106 29.1 23.0 34.6





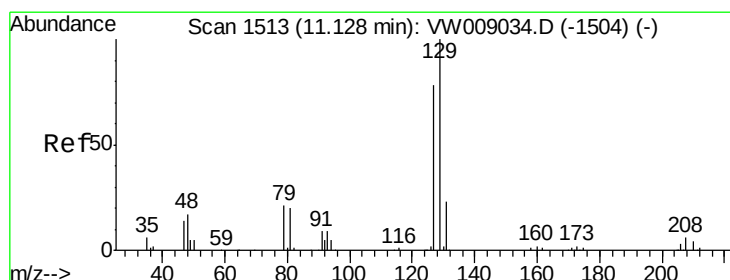
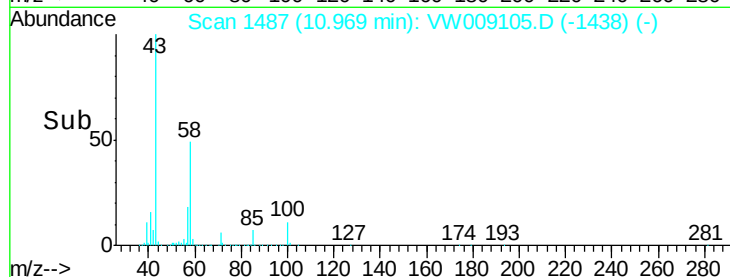
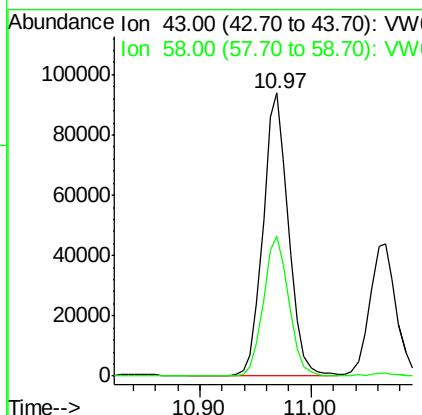
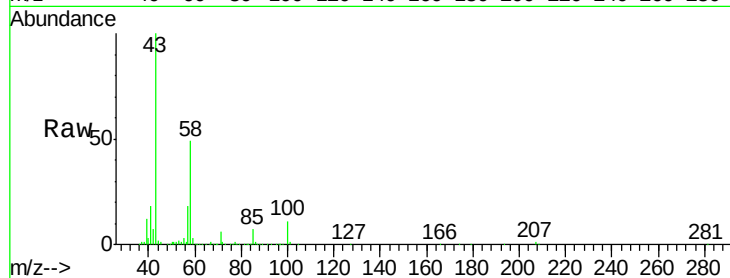
#59
2-Hexanone
Concen: 105.643 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW009105.D
Acq: 12 Mar 2019 01:17

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBS02

Tot Ion: 43 Resp: 149684
Ion Ratio Lower Upper
43 100
58 49.2 25.3 75.9

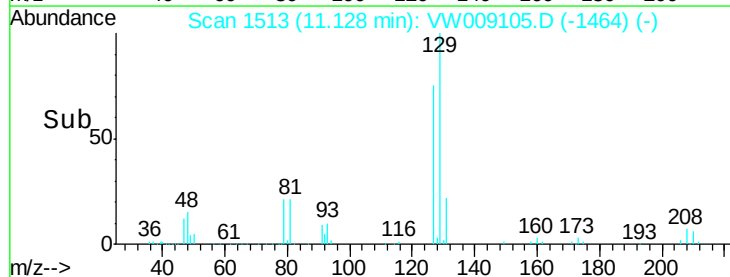
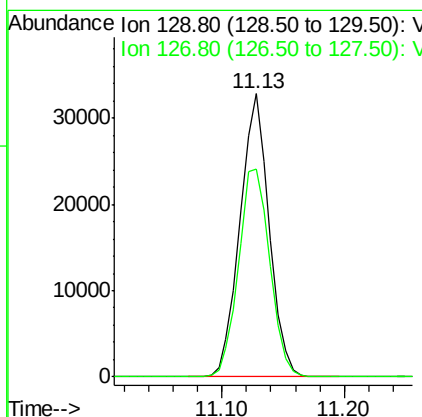
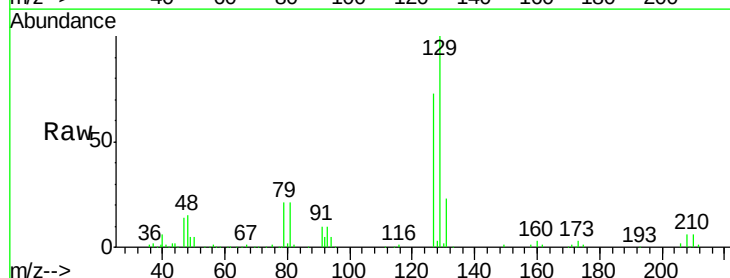
Manual Integrations
APPROVED

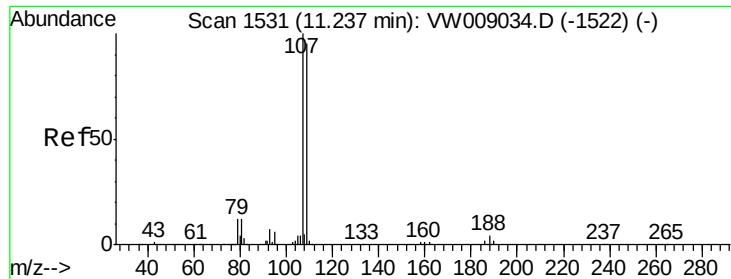
MMDadoda
3/12/2019 1:16:13 PM



#60
Dibromochloromethane
Concen: 19.458 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW009105.D
Acq: 12 Mar 2019 01:17

Tgt Ion: 129 Resp: 54075
Ion Ratio Lower Upper
129 100
127 79.1 38.4 115.1





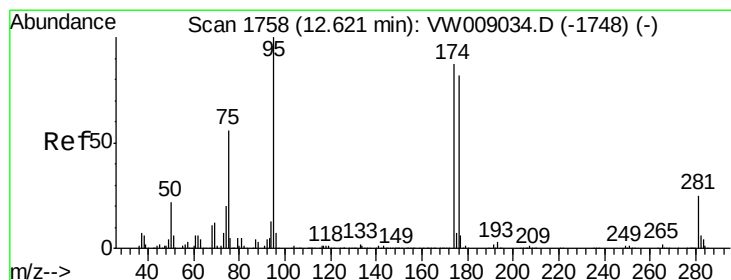
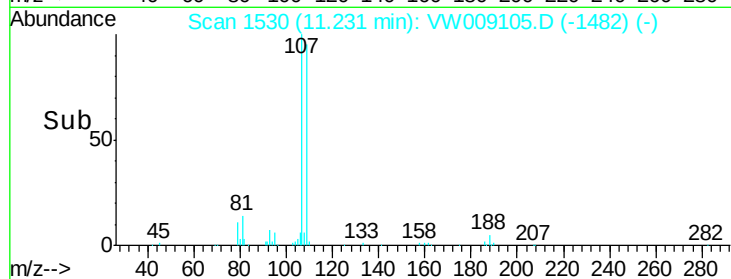
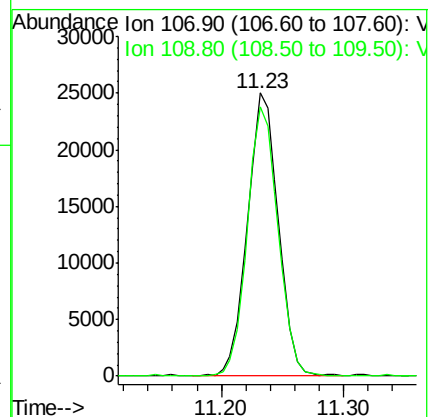
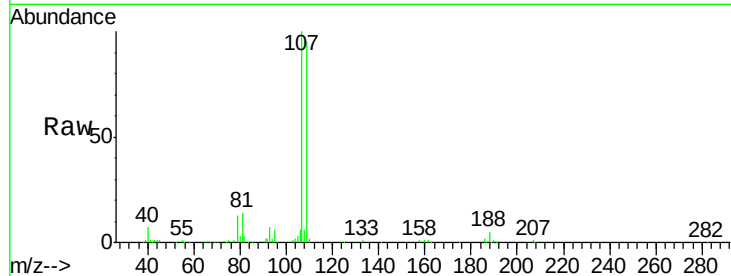
#61
 1,2-Dibromoethane
 Concen: 19.941 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW009105.D
 Acq: 12 Mar 2019 01:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0311SBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.6	74.7	112.1

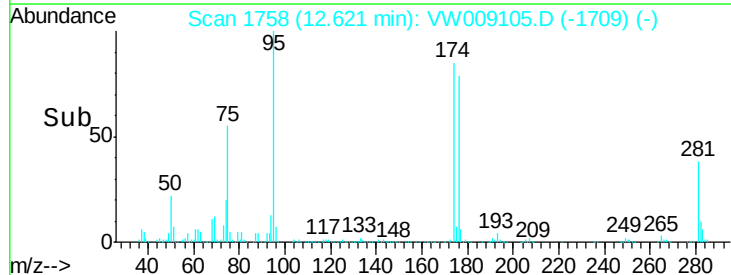
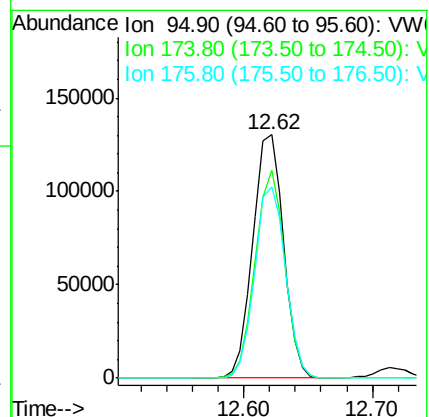
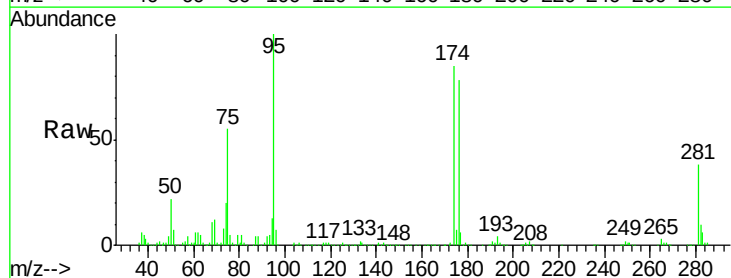
Manual Integrations
 APPROVED

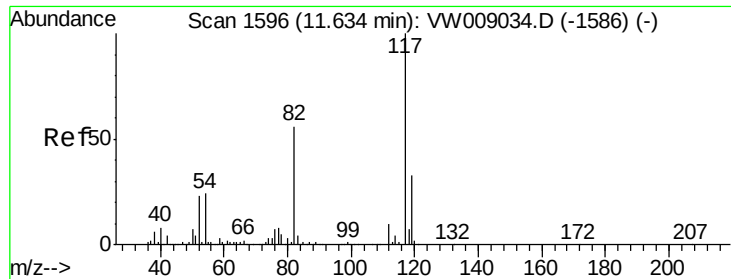
MMDadoda
 3/12/2019 1:16:13 PM



#62
 4-Bromofluorobenzene
 Concen: 50.668 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW009105.D
 Acq: 12 Mar 2019 01:17

Tgt Ion	Ratio	Lower	Upper
95	100		
174	82.4	0.0	167.0
176	78.9	0.0	159.4





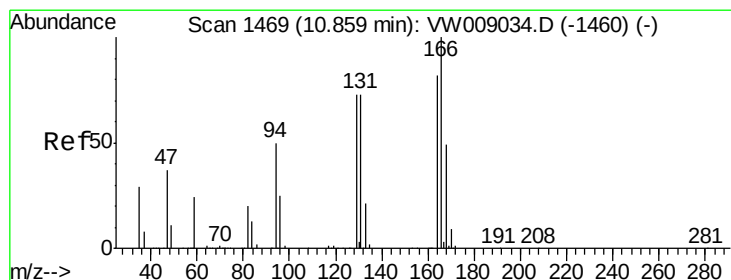
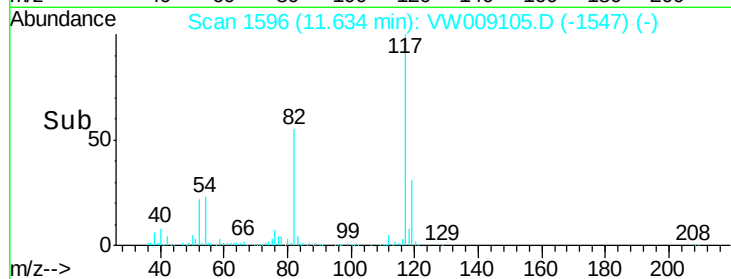
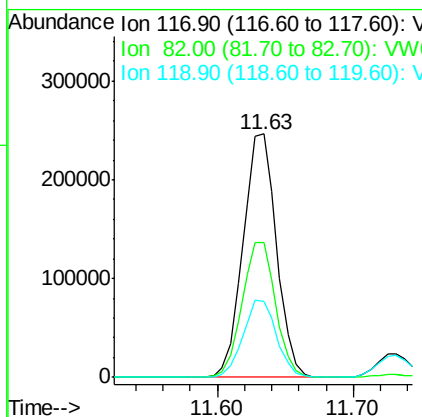
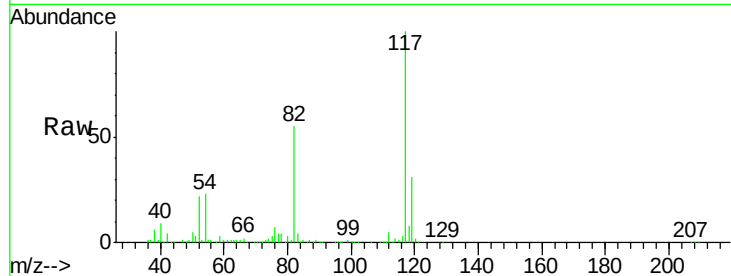
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009105.D
Acq: 12 Mar 2019 01:17

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.2	45.0	67.6
119	31.4	26.6	39.8

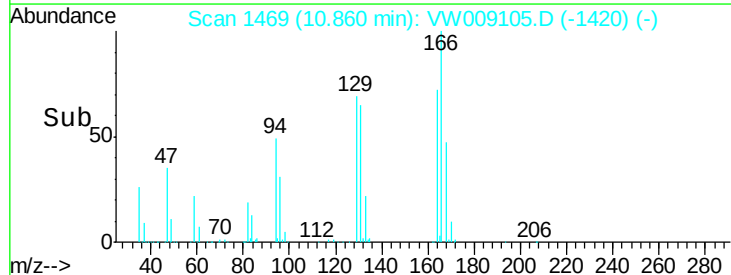
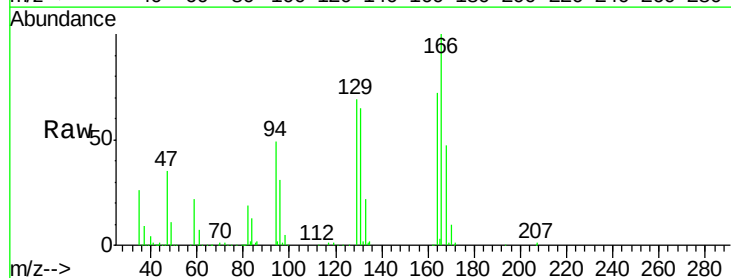
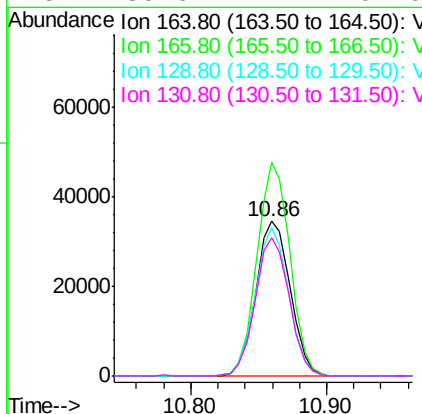
Manual Integrations
APPROVED

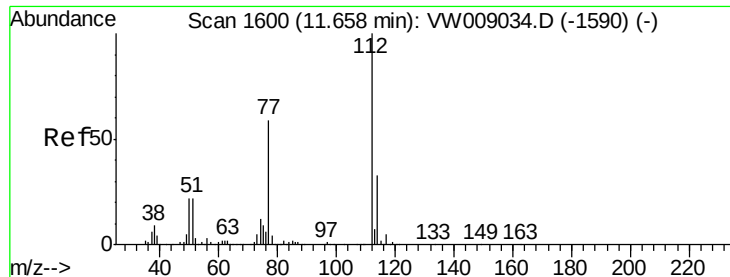
MMDadoda
3/12/2019 1:16:13 PM



#64
Tetrachloroethene
Concen: 20.155 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW009105.D
Acq: 12 Mar 2019 01:17

Tgt Ion	Ratio	Lower	Upper
164	100		
166	138.3	97.8	146.6
129	96.1	71.6	107.4
131	89.6	71.4	107.0





#65

Chlorobenzene

Concen: 19.245 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

Instrument :

MSVOA_W

ClientSampleId :

VW0311SBS02

Tot Ion:112 Resp: 177125

Ion Ratio Lower Upper

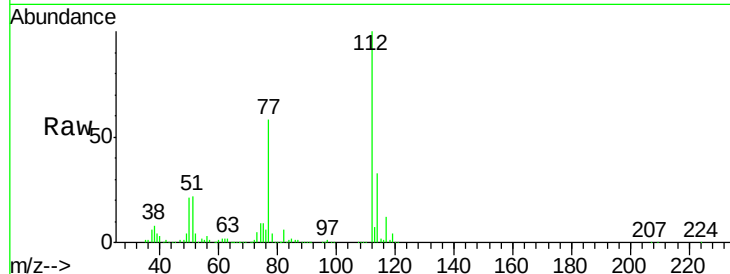
112 100

114 32.6 26.6 40.0

Manual Integrations
APPROVED

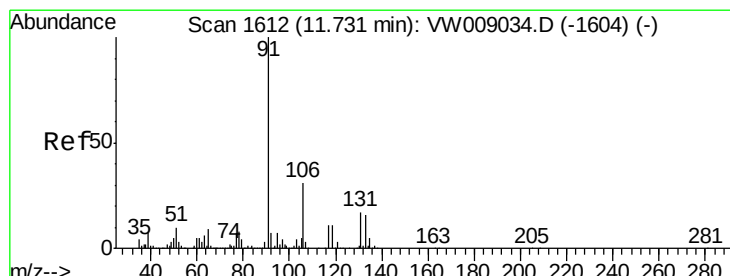
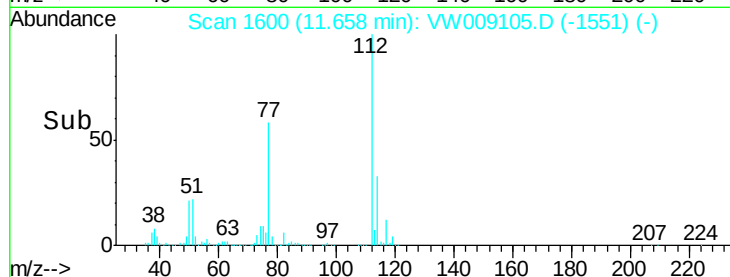
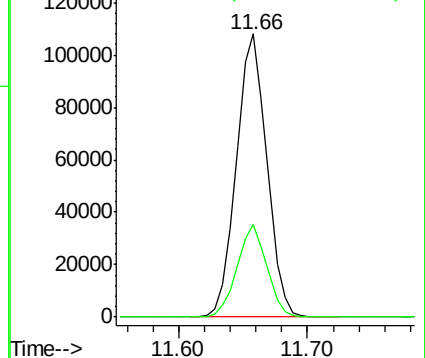
MMDadoda

3/12/2019 1:16:13 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.030 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

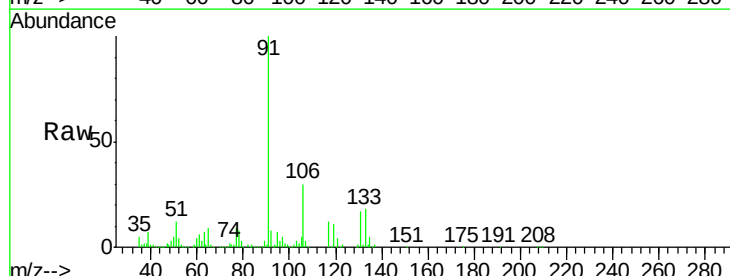
Tgt Ion:131 Resp: 58481

Ion Ratio Lower Upper

131 100

133 97.4 47.6 142.8

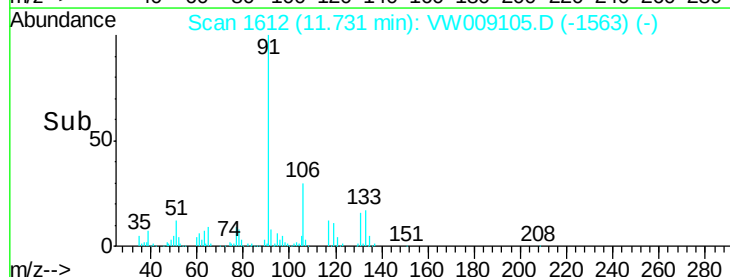
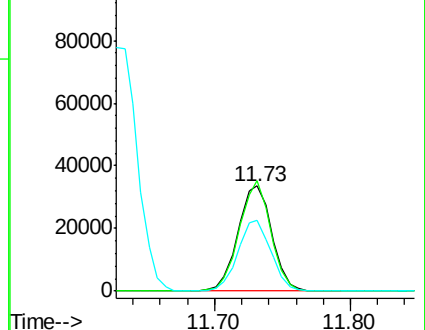
119 65.9 31.3 93.8

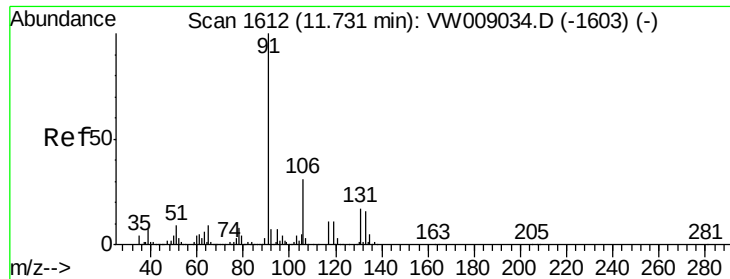


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





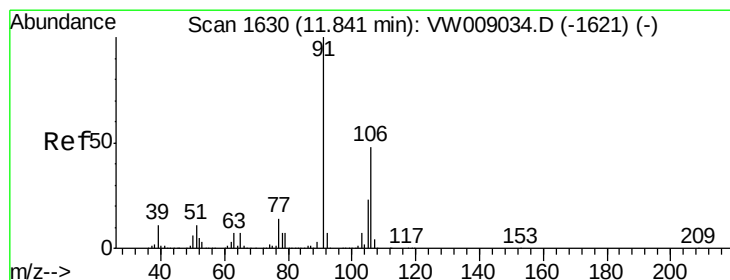
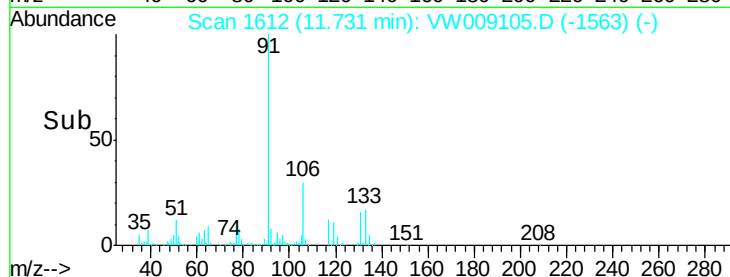
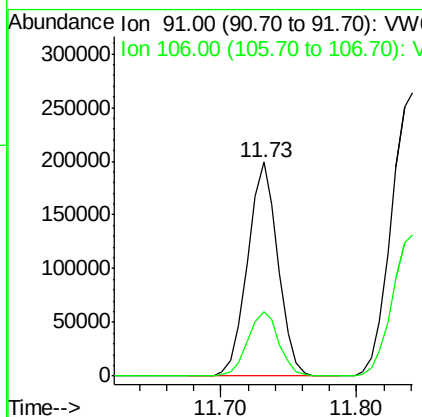
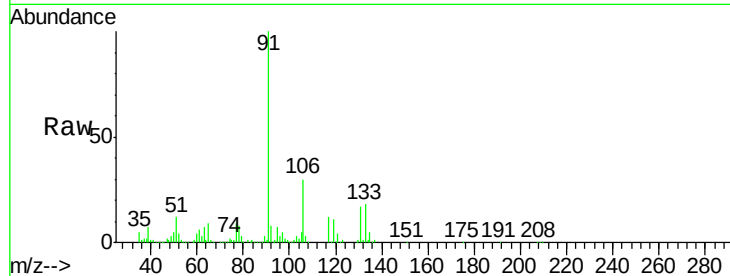
#67
Ethyl Benzene
Concen: 18.757 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009105.D
Acq: 12 Mar 2019 01:17

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBS02

Tot Ion: 91 Resp: 311865
Ion Ratio Lower Upper
91 100
106 30.1 25.0 37.4

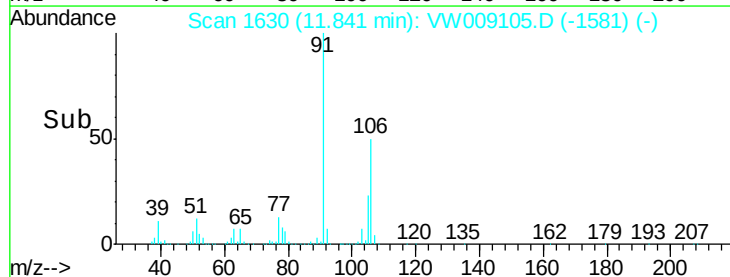
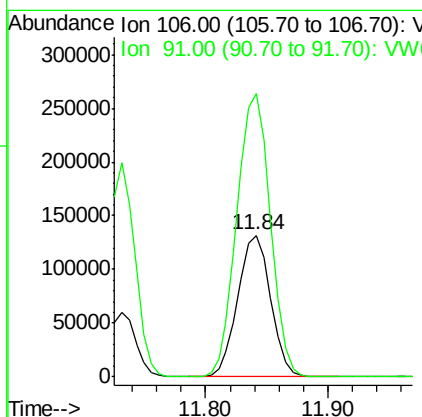
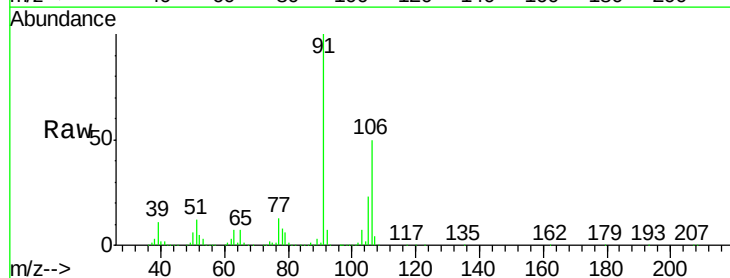
Manual Integrations
APPROVED

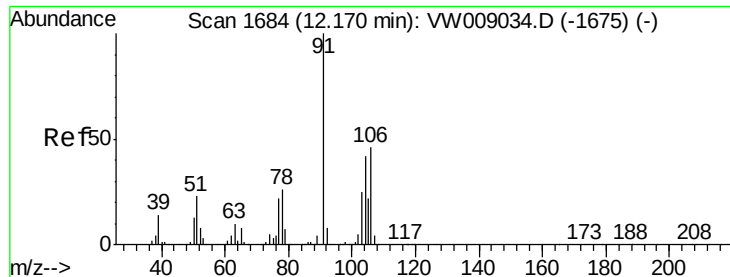
MMDadoda
3/12/2019 1:16:13 PM



#68
m/p-Xylenes
Concen: 37.409 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW009105.D
Acq: 12 Mar 2019 01:17

Tgt Ion: 106 Resp: 245506
Ion Ratio Lower Upper
106 100
91 204.3 163.2 244.8





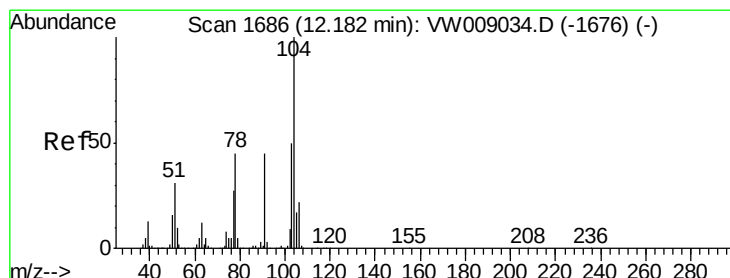
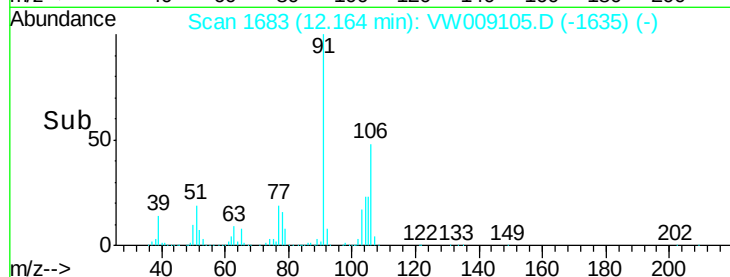
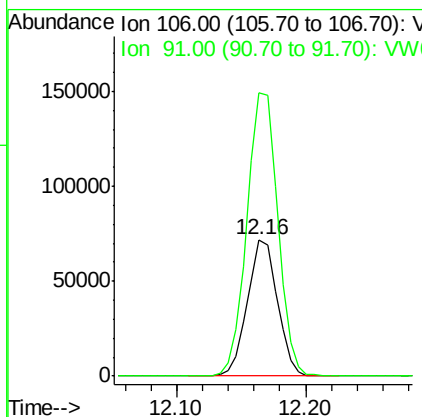
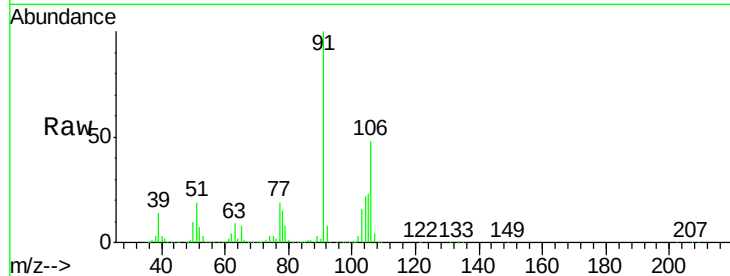
#69
o-Xylene
Concen: 18.938 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW009105.D
Acq: 12 Mar 2019 01:17

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBS02

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	91	213.7	108.6	325.6

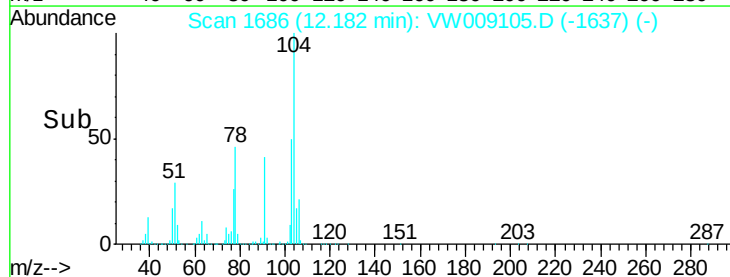
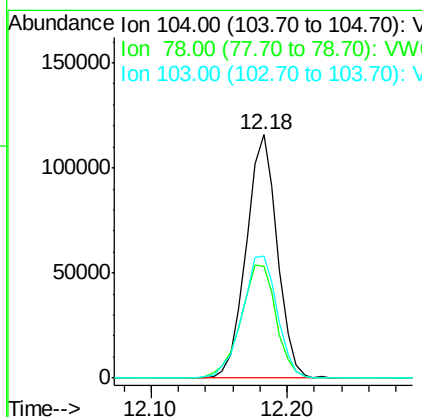
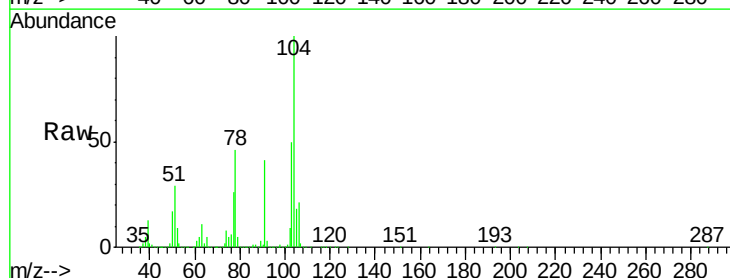
Manual Integrations
APPROVED

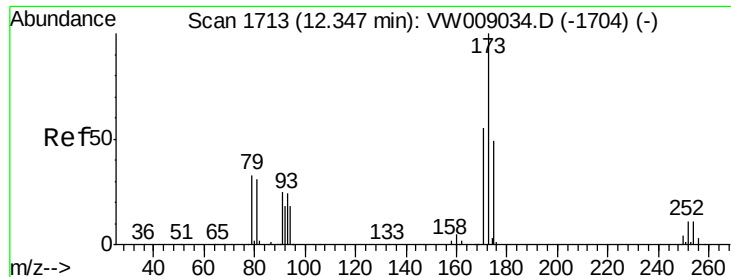
MMDadoda
3/12/2019 1:16:13 PM



#70
Styrene
Concen: 18.675 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW009105.D
Acq: 12 Mar 2019 01:17

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	78	53.0	42.1	63.1
103	103	57.1	43.9	65.9





#71

Bromoform

Concen: 20.013 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

Instrument :

MSVOA_W

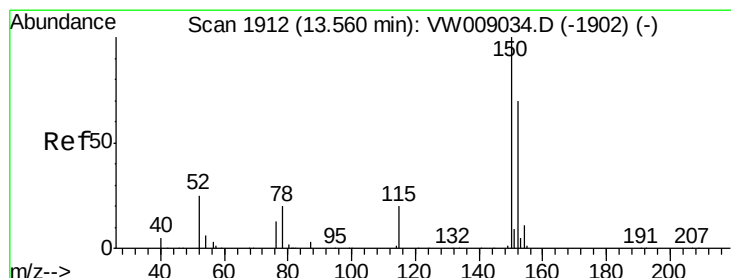
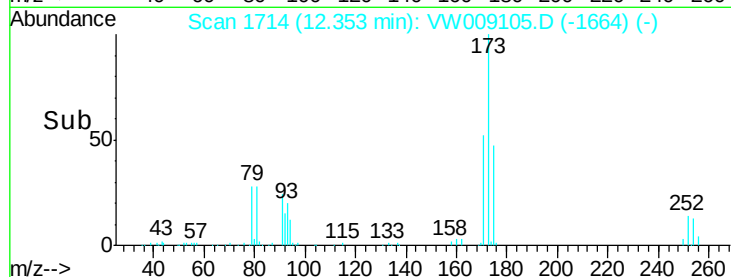
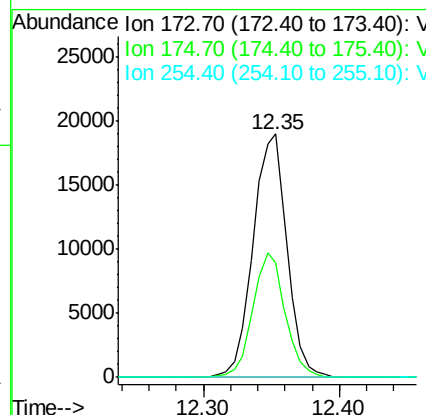
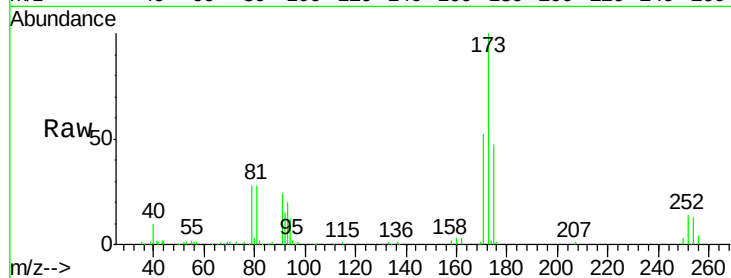
ClientSampleId :

VW0311SBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.6	74.0
254	0.0	0.0	0.0

Manual Integrations
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MMDadoda
3/12/2019 1:16:13 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

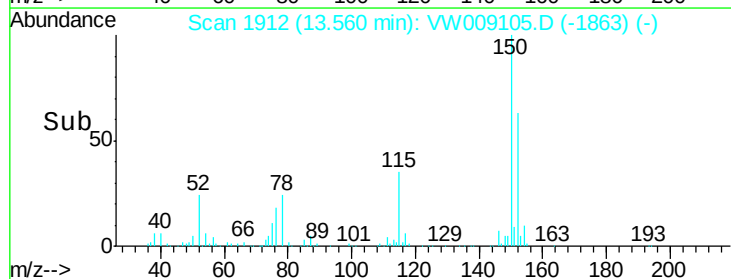
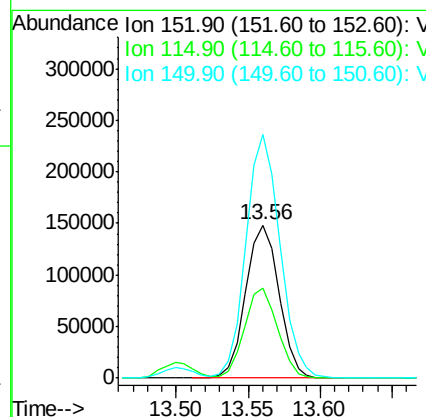
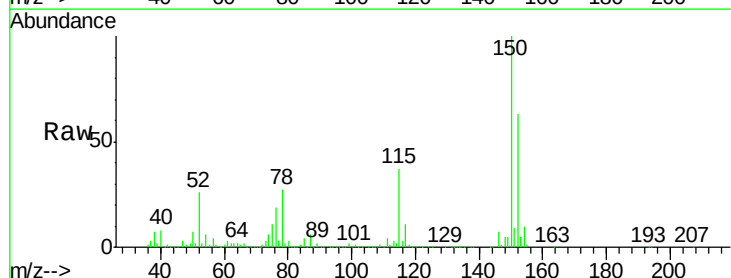
RT: 13.56 min Scan# 1912

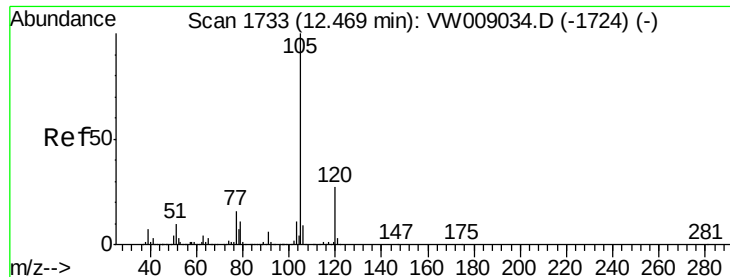
Delta R.T. 0.00 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.7	28.9	86.7
150	163.1	0.0	349.2





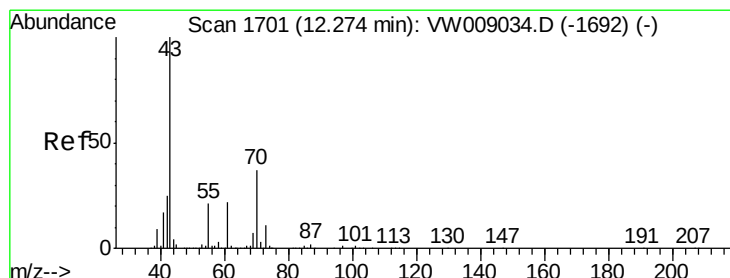
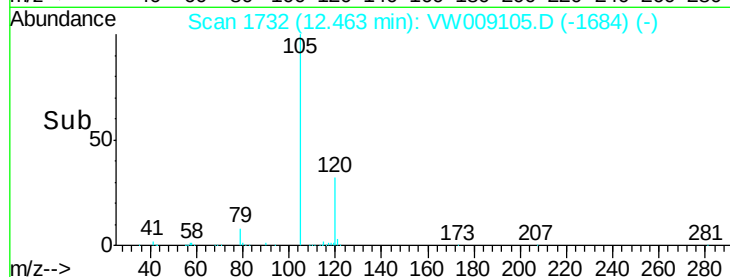
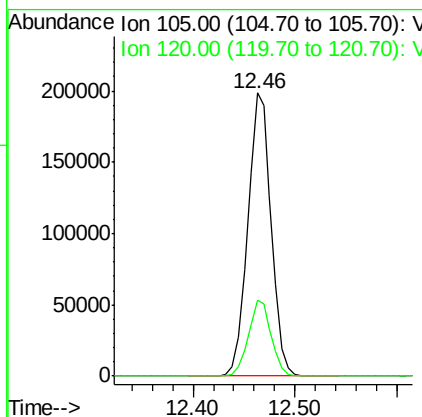
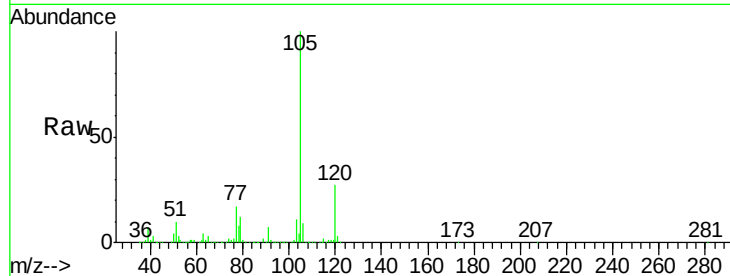
#73
Isopropylbenzene
Concen: 18.590 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.01 min
Lab File: VW009105.D
Acq: 12 Mar 2019 01:17

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBS02

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.2	39.6

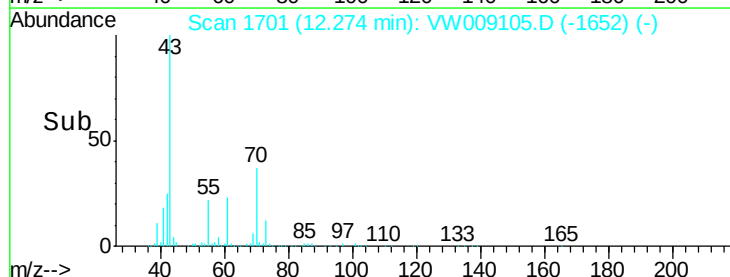
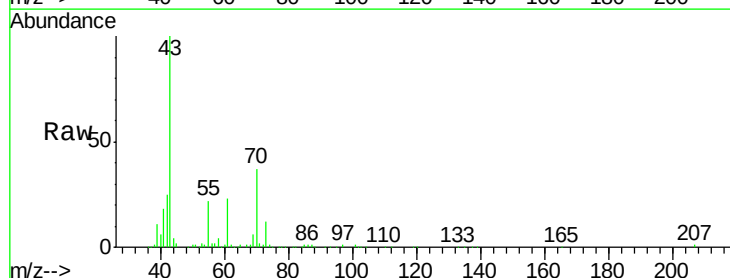
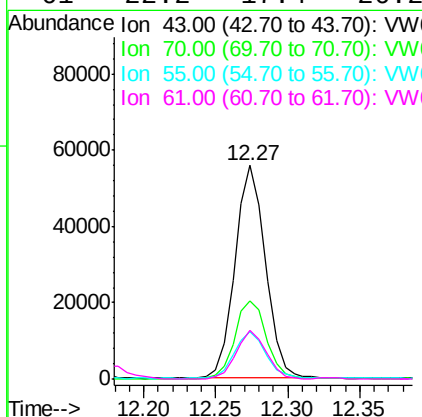
Manual Integrations
APPROVED

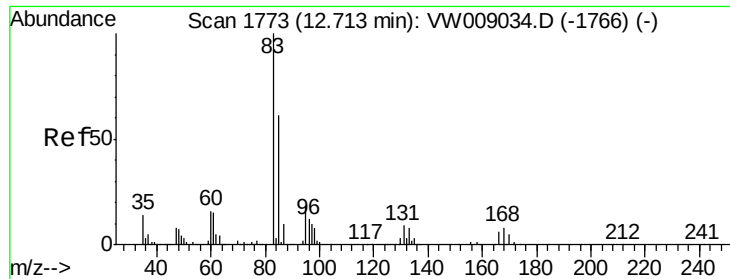
MMDadoda
3/12/2019 1:16:13 PM



#74
N-ethyl acetate
Concen: 20.598 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW009105.D
Acq: 12 Mar 2019 01:17

Tgt Ion	Ratio	Lower	Upper
43	100		
70	38.8	30.8	46.2
55	22.7	17.8	26.8
61	22.2	17.4	26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.499 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

Instrument :

MSVOA_W

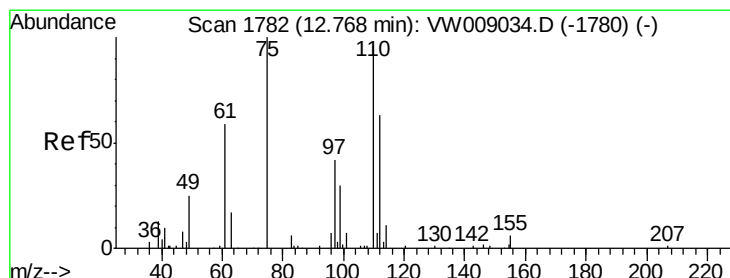
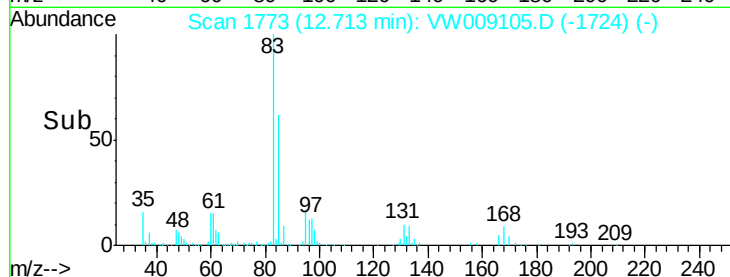
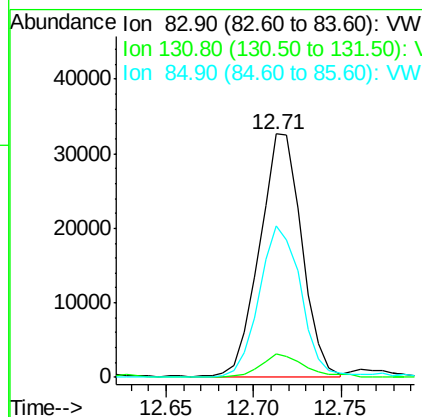
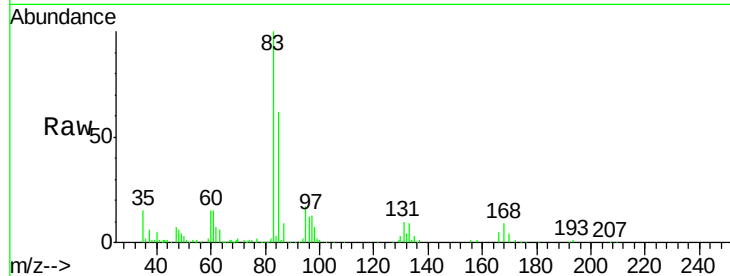
ClientSampleId :

VW0311SBS02

Tot Ion:	83	Resp:	54748
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.5	16.7
85	61.5	31.7	95.1

Manual Integrations
APPROVED

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3/12/2019 1:16:13 PM



#76

1,2,3-Trichloropropane

Concen: 21.172 ug/l m

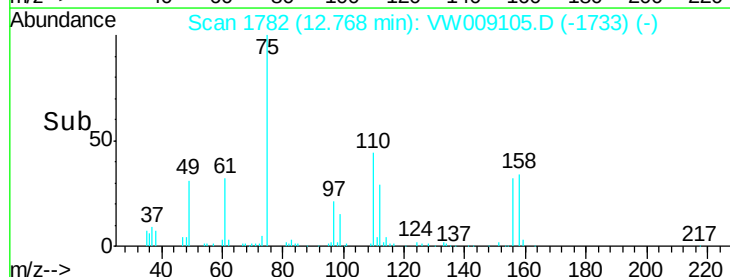
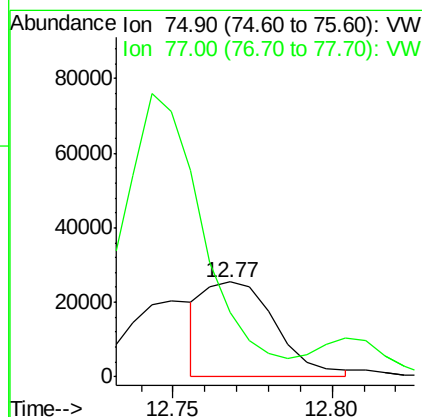
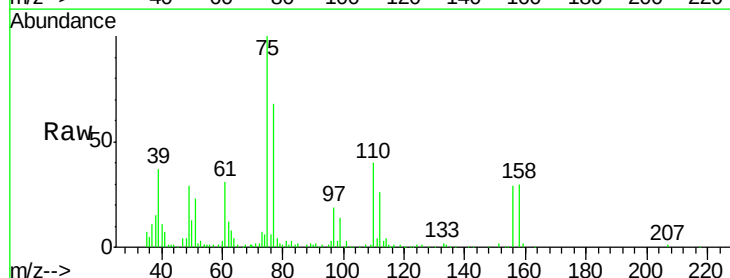
RT: 12.77 min Scan# 1782

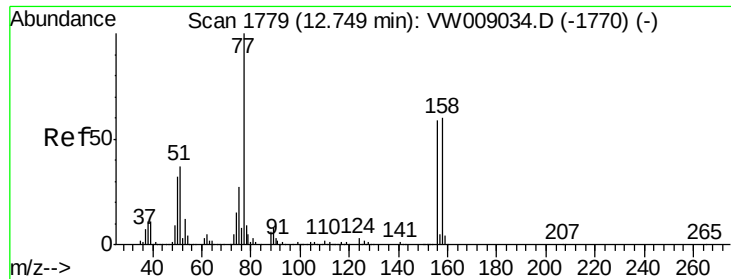
Delta R.T. 0.00 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

Tgt Ion:	75	Resp:	39550
Ion Ratio	Lower	Upper	
75	100		
77	0.0	186.7	560.0#





#77

Bromobenzene

Concen: 19.260 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

Instrument :

MSVOA_W

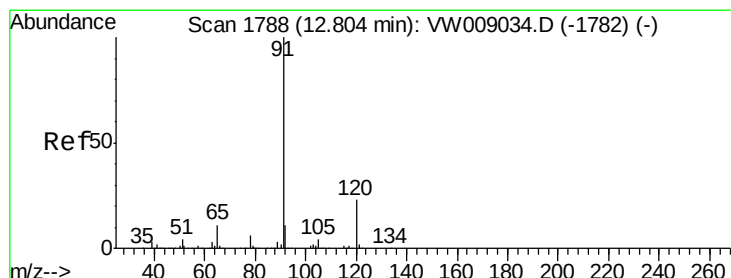
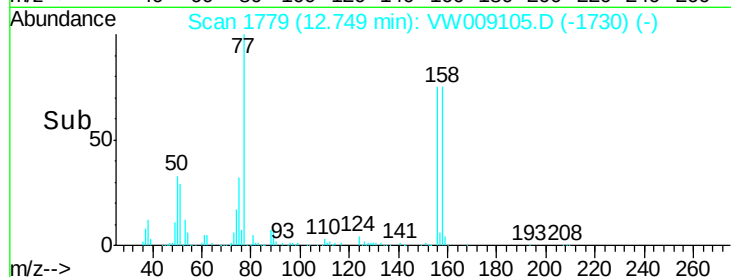
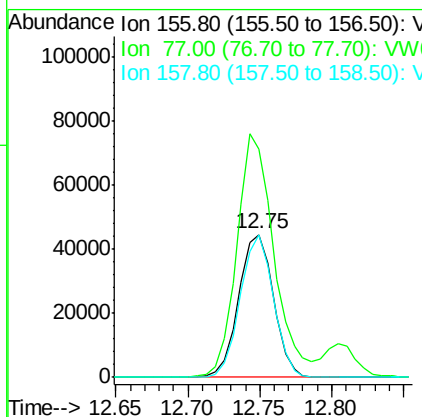
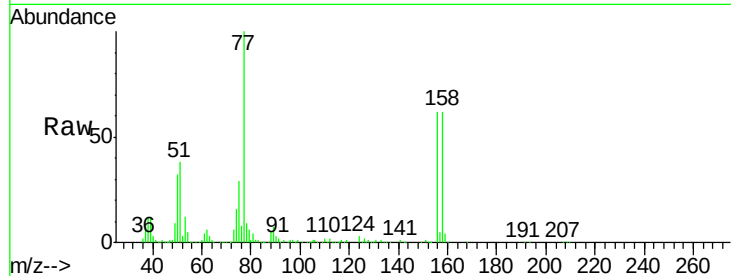
ClientSampleId :

VW0311SBS02

Tot Ion:	156	Resp:	74507
Ion Ratio	Lower	Upper	
156	100		
77	182.4	93.0	279.2
158	95.1	50.0	149.8

Manual Integrations
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#78

n-propylbenzene

Concen: 18.731 ug/l

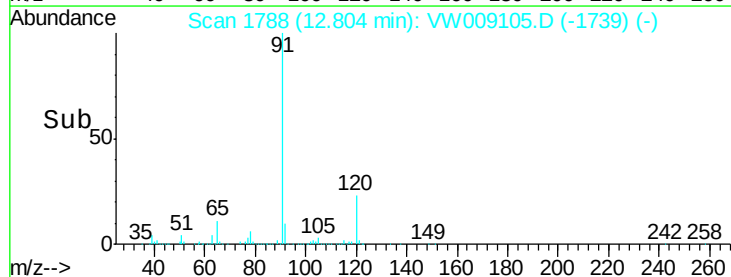
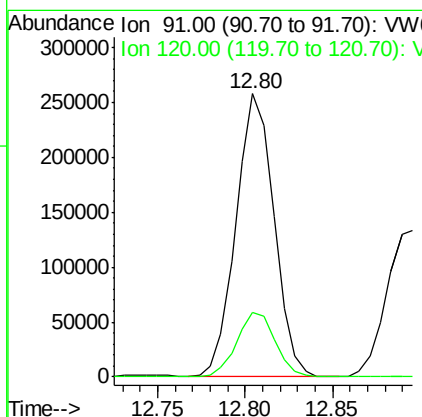
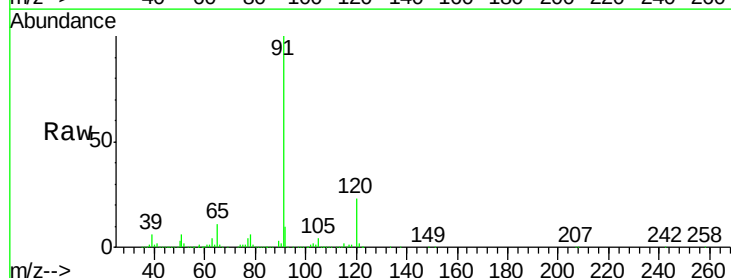
RT: 12.80 min Scan# 1788

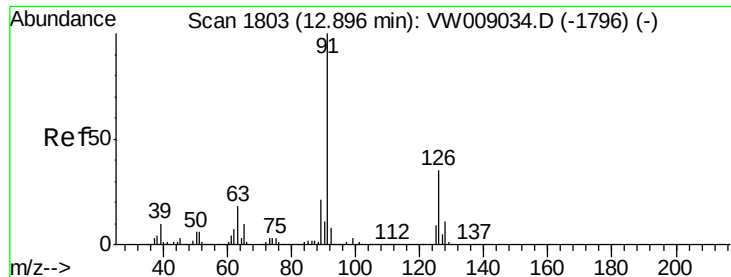
Delta R.T. 0.00 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

Tgt Ion:	91	Resp:	390628
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.4	34.2





#79

2-Chlorotoluene

Concen: 18.740 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

Instrument :

MSVOA_W

ClientSampleId :

VW0311SBS02

Tot Ion: 91 Resp: 219578

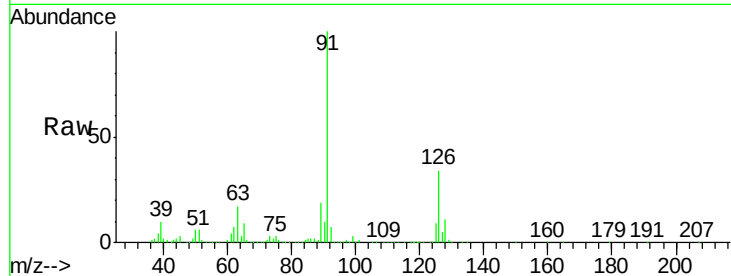
Ion Ratio Lower Upper

91 100

126 34.2 16.8 50.4

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

12.90

150000

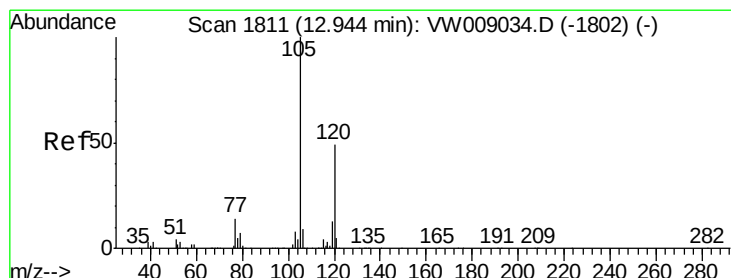
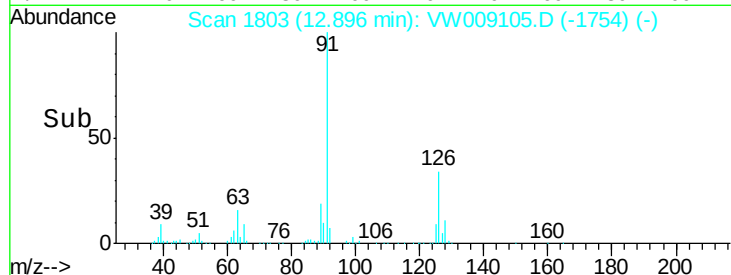
100000

50000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 18.730 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW009105.D

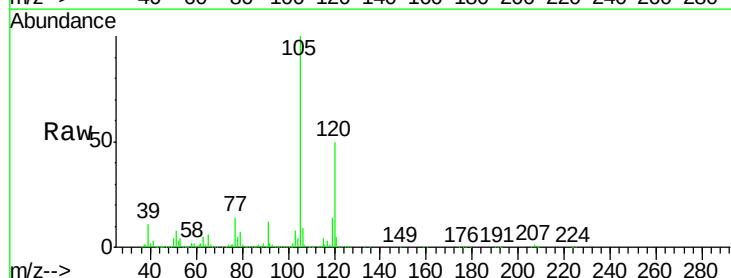
Acq: 12 Mar 2019 01:17

Tgt Ion:105 Resp: 273346

Ion Ratio Lower Upper

105 100

120 49.6 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.94

200000

150000

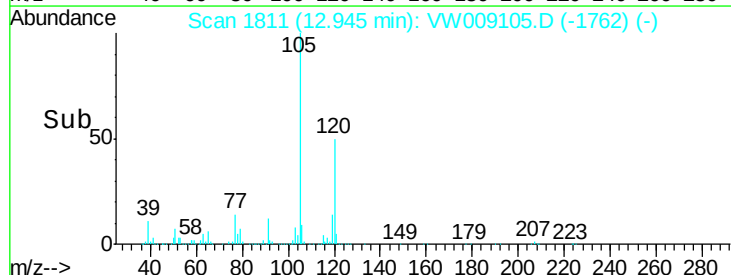
100000

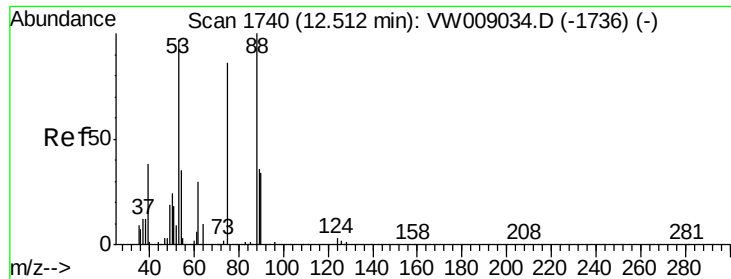
50000

0

12.85 12.90 12.95 13.00

Time-->





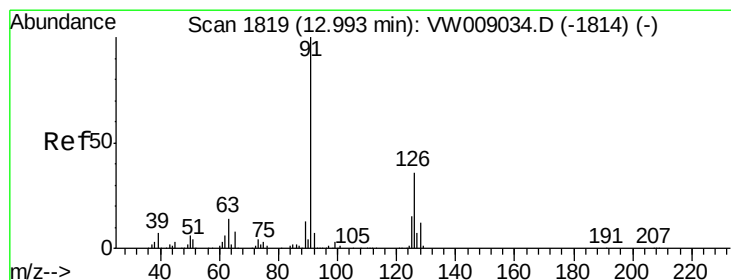
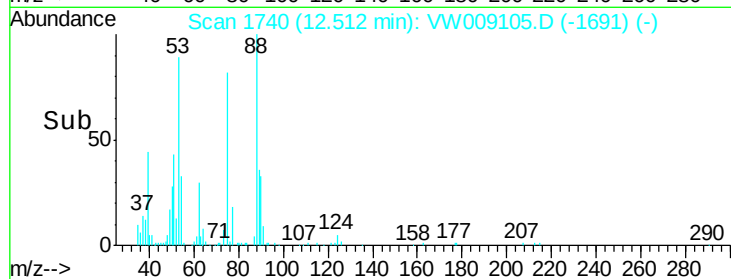
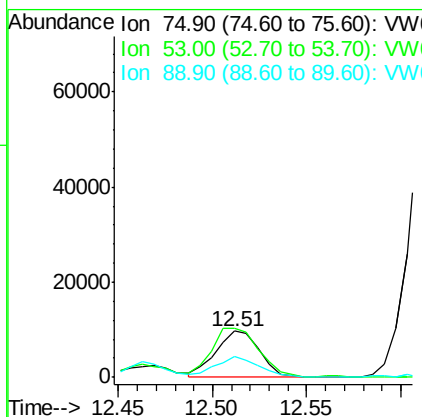
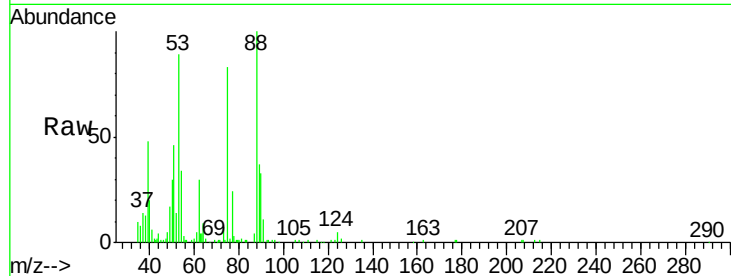
#81
trans-1,4-Dichloro-2-butene
Concen: 18.814 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW009105.D
Acq: 12 Mar 2019 01:17

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	112.7	90.5	135.7
89	44.1	37.5	56.3

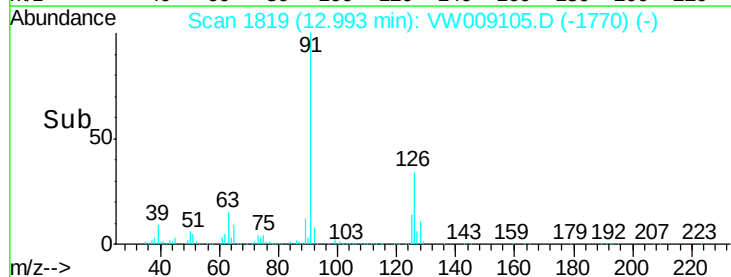
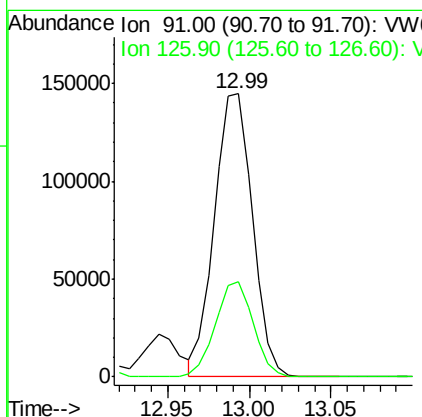
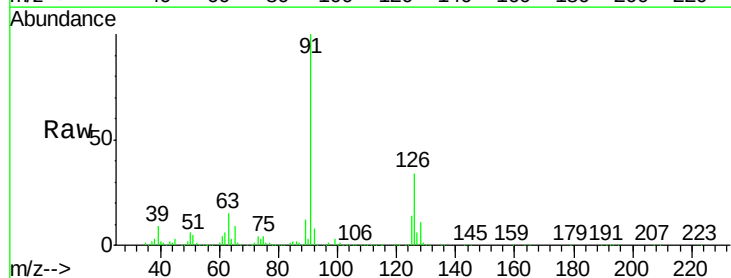
Manual Integrations
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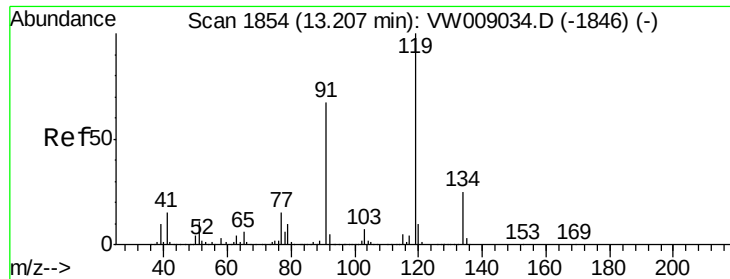
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#82
4-Chlorotoluene
Concen: 18.824 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW009105.D
Acq: 12 Mar 2019 01:17

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.7	16.6	49.8





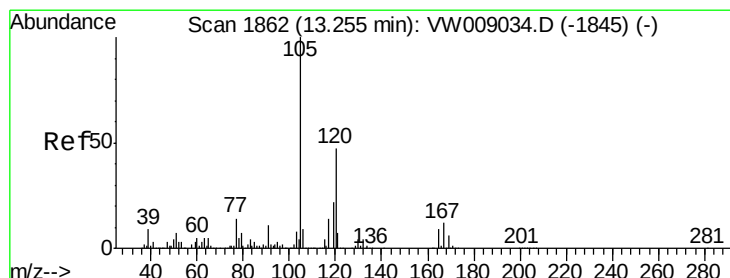
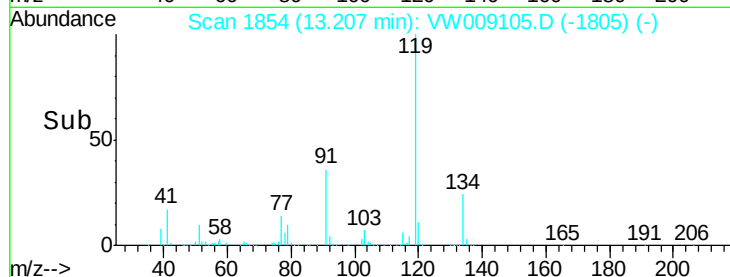
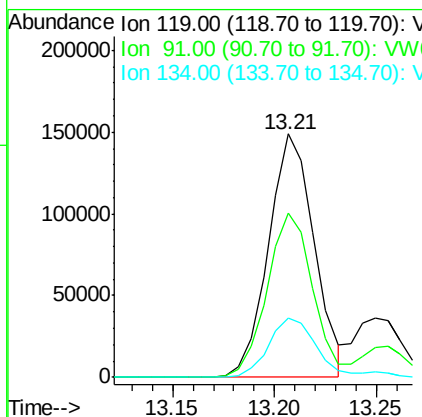
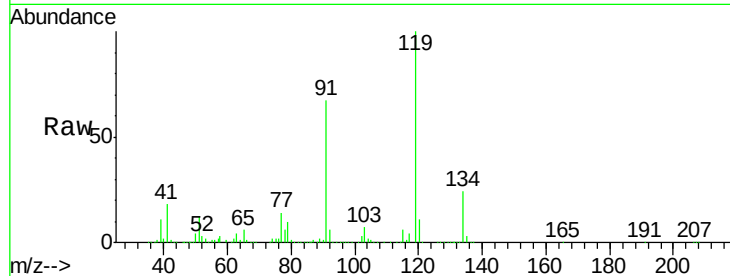
#83
 tert-Butylbenzene
 Concen: 18.903 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW009105.D
 Acq: 12 Mar 2019 01:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0311SBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.8	34.2	102.5
134	25.4	13.9	41.6

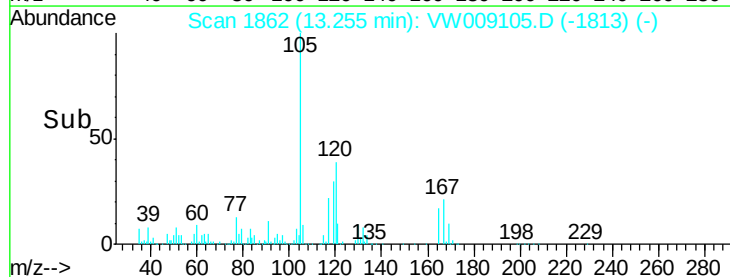
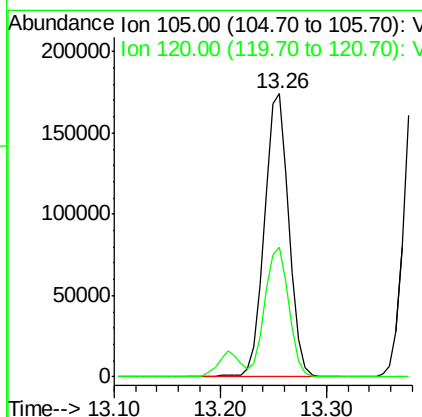
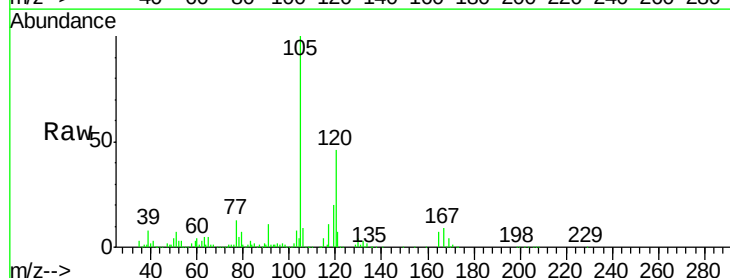
Manual Integrations
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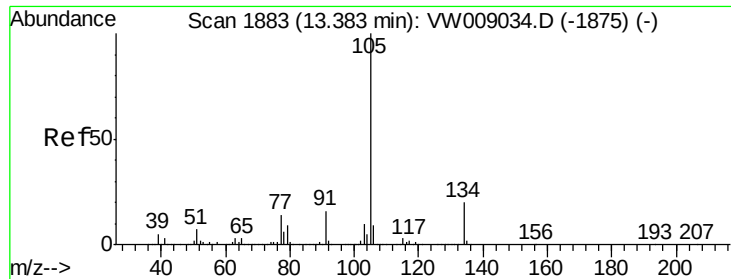
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#84
 1,2,4-Trimethylbenzene
 Concen: 18.921 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW009105.D
 Acq: 12 Mar 2019 01:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.8	68.4





#85

sec-Butylbenzene

Concen: 18.535 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

Instrument :

MSVOA_W

ClientSampleId :

VW0311SBS02

Tot Ion:105 Resp: 338013

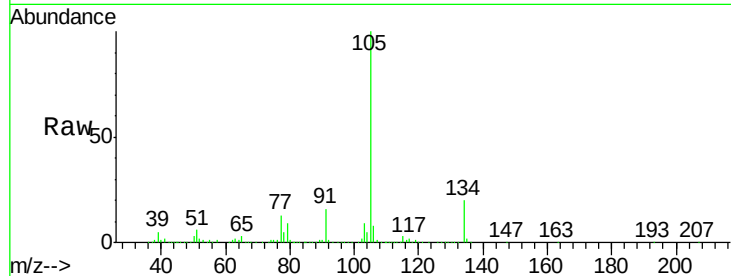
Ion Ratio Lower Upper

105 100

134 20.2 10.0 30.0

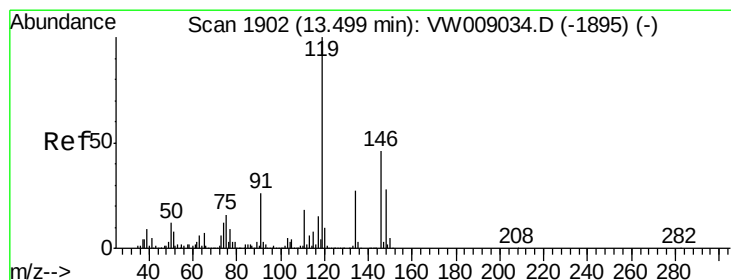
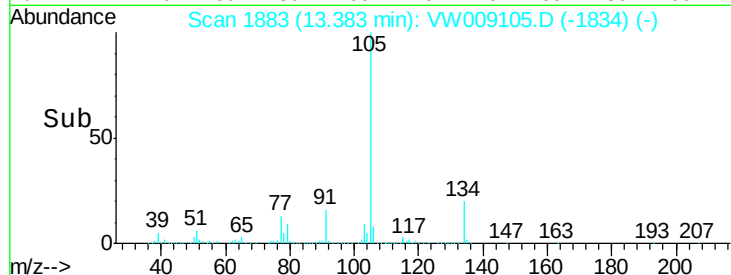
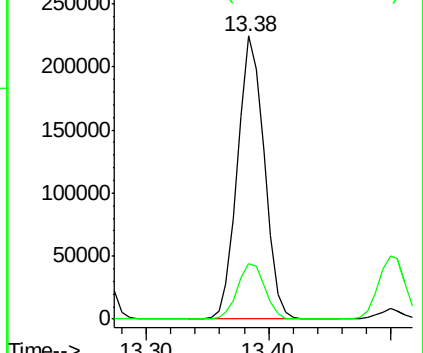
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 18.339 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

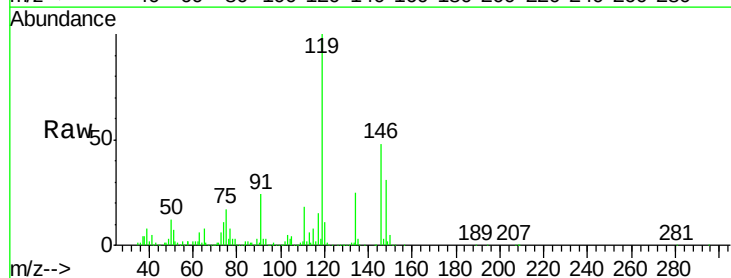
Tgt Ion:119 Resp: 299182

Ion Ratio Lower Upper

119 100

134 25.8 13.3 39.9

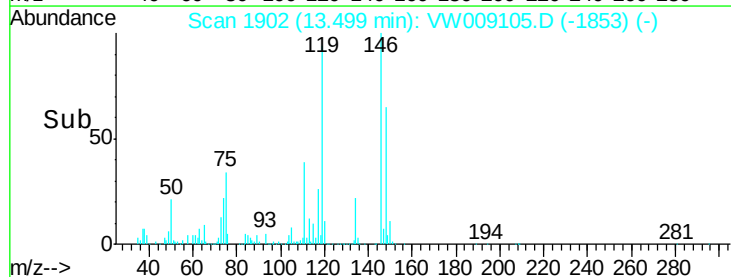
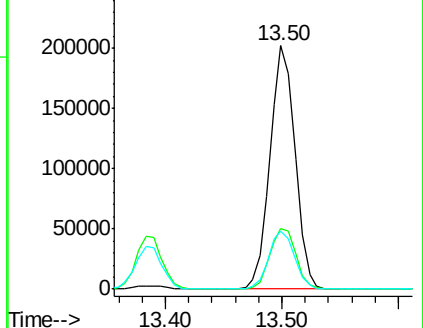
91 24.5 12.3 36.9

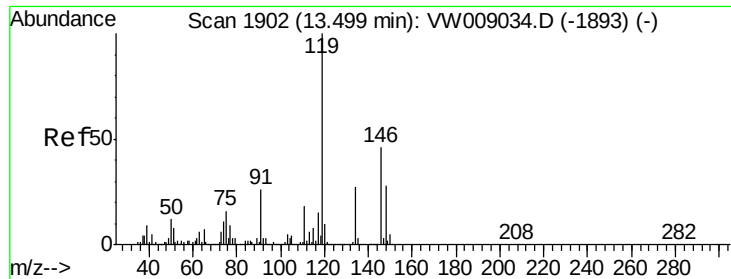


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 18.761 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

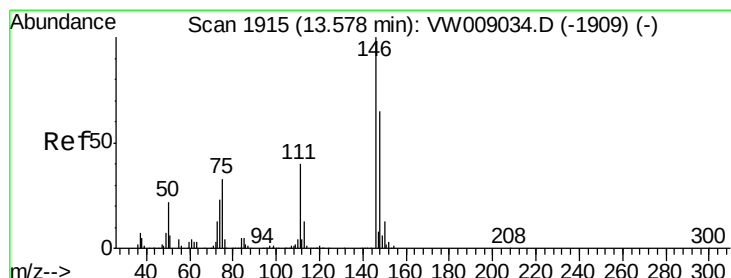
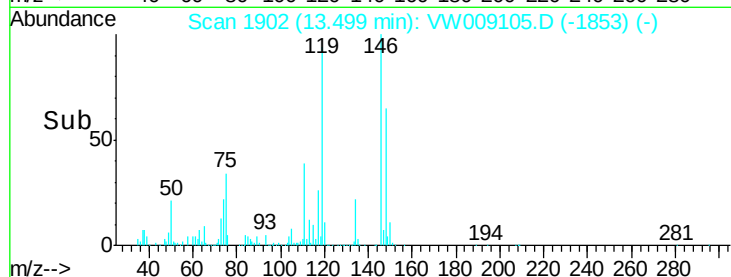
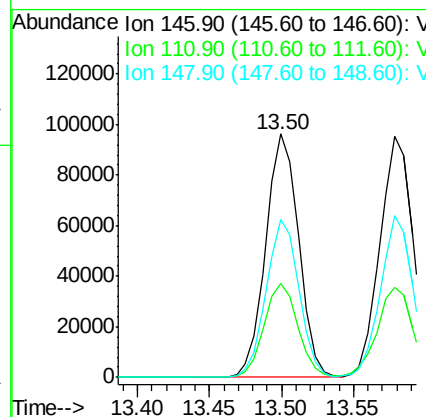
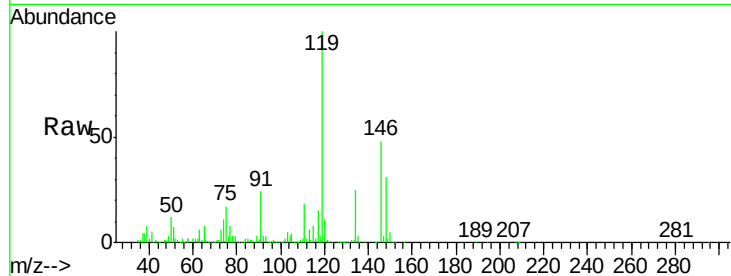
Instrument :
MSVOA_W

ClientSampleId :
VW0311SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.8	59.4
148	64.6	31.6	94.8

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 18.893 ug/l

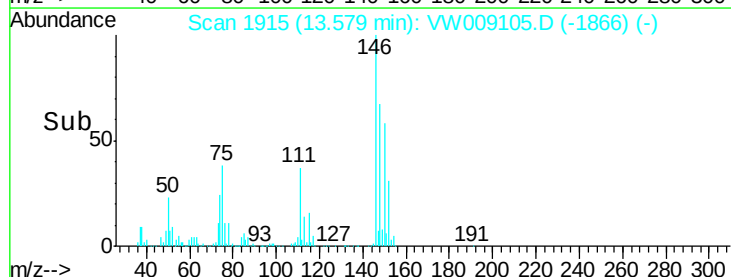
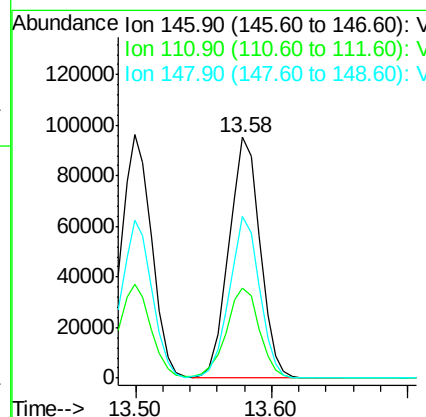
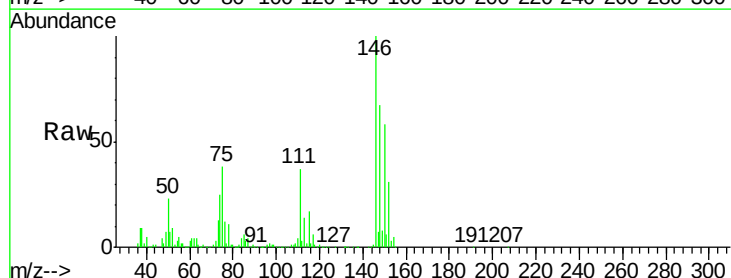
RT: 13.58 min Scan# 1915

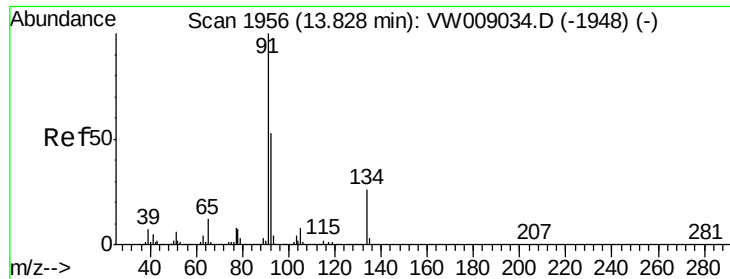
Delta R.T. 0.00 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.7	59.0
148	65.1	32.2	96.6





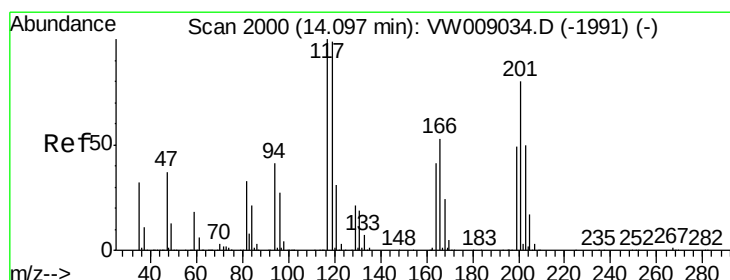
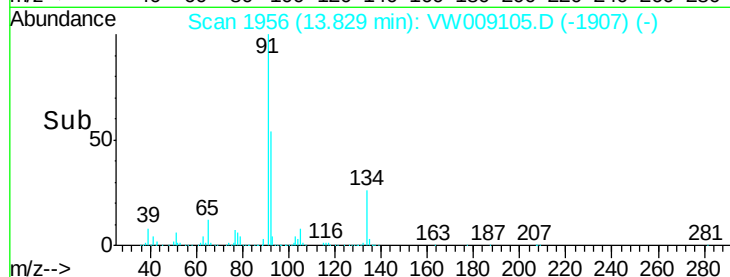
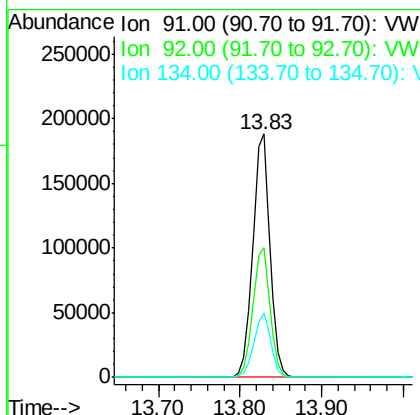
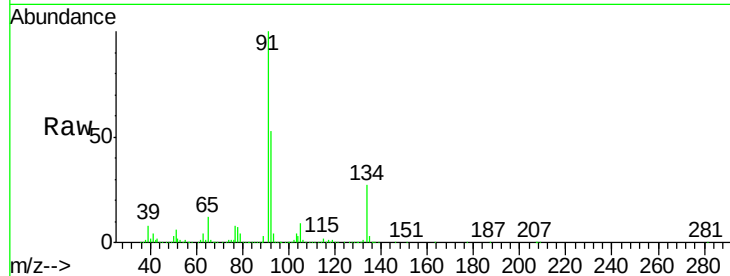
#89
n-Butylbenzene
Concen: 18.086 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW009105.D
Acq: 12 Mar 2019 01:17

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.8	80.3
134	26.1	12.9	38.7

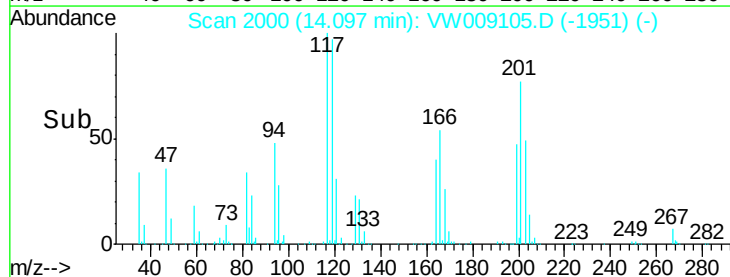
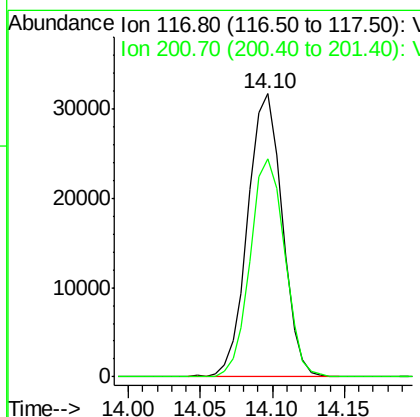
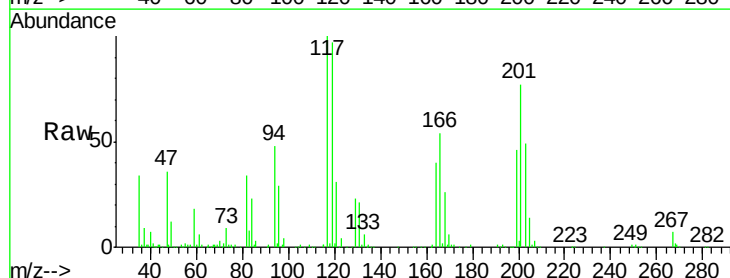
Manual Integrations
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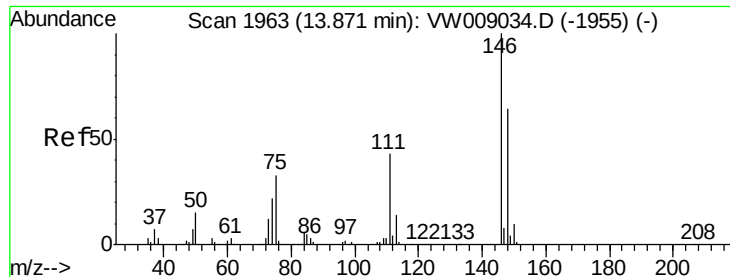
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3/12/2019 1:16:13 PM



#90
Hexachloroethane
Concen: 18.714 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW009105.D
Acq: 12 Mar 2019 01:17

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.9	39.1	117.5





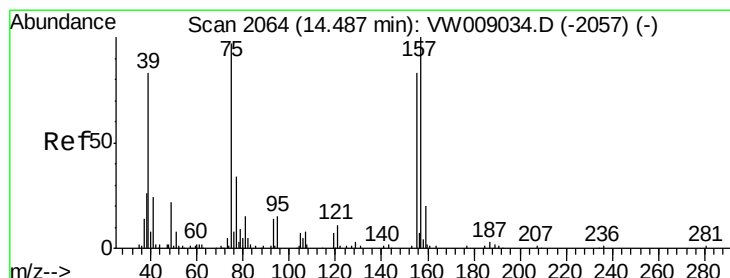
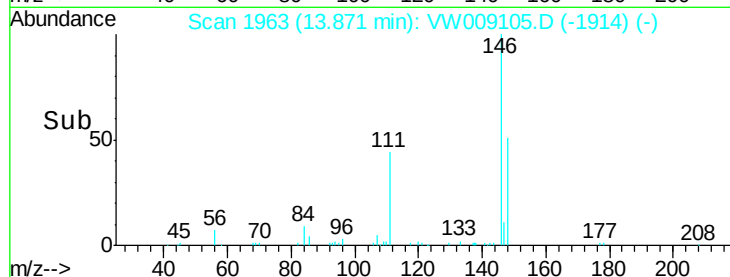
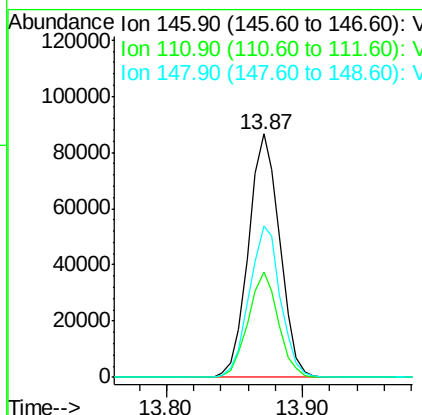
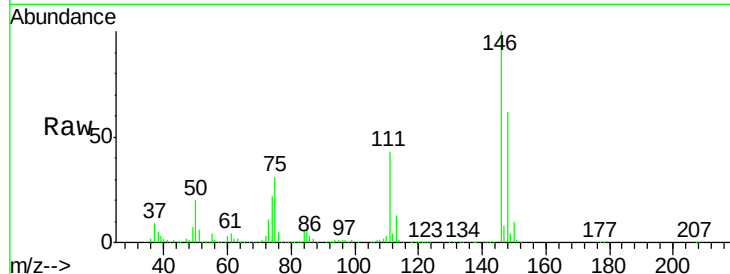
#91
 1,2-Dichlorobenzene
 Concen: 19.440 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW009105.D
 Acq: 12 Mar 2019 01:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0311SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.1	63.1
148	62.4	32.3	96.9

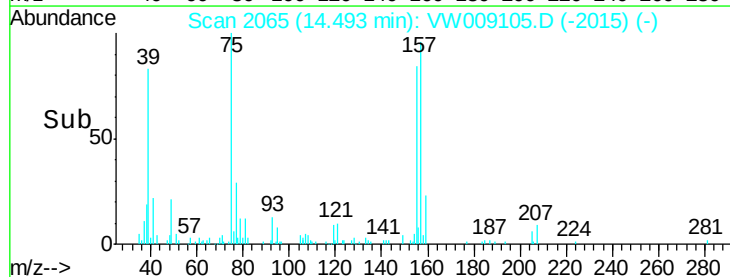
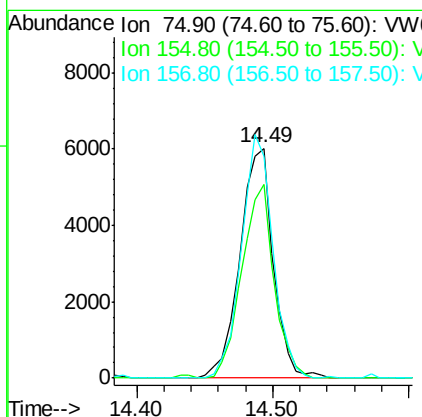
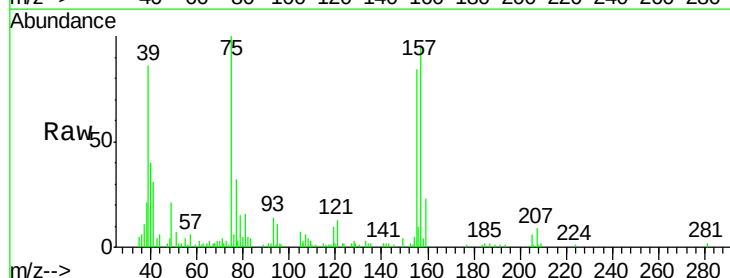
Manual Integrations
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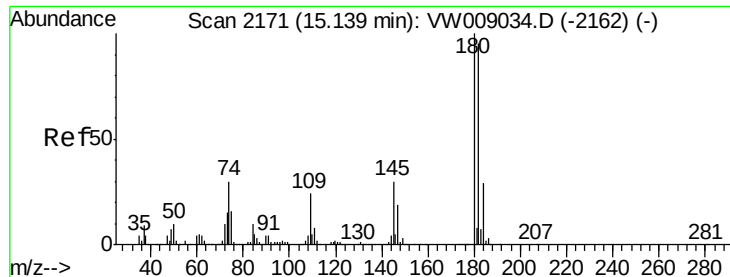
MMDadoda
 3/12/2019 1:16:13 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.715 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.01 min
 Lab File: VW009105.D
 Acq: 12 Mar 2019 01:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.6	40.8	122.4
157	99.9	52.4	157.3





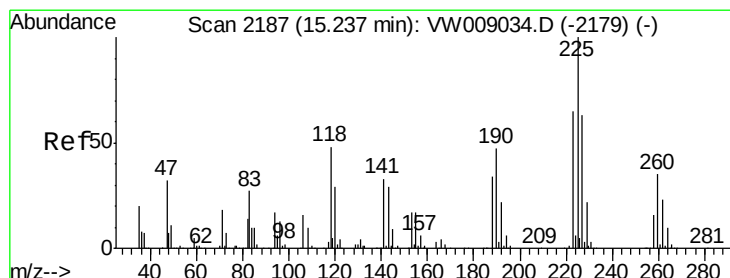
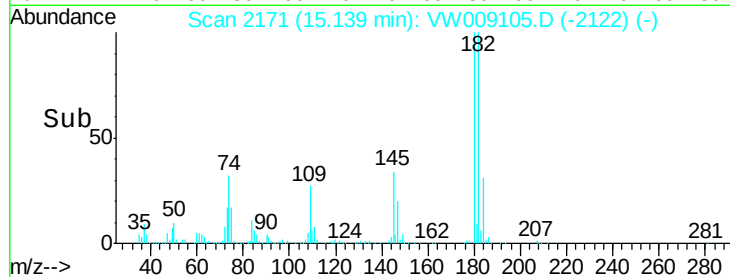
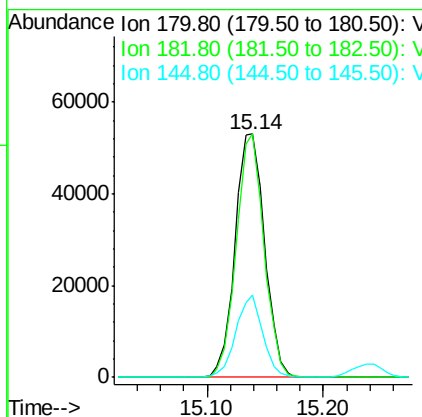
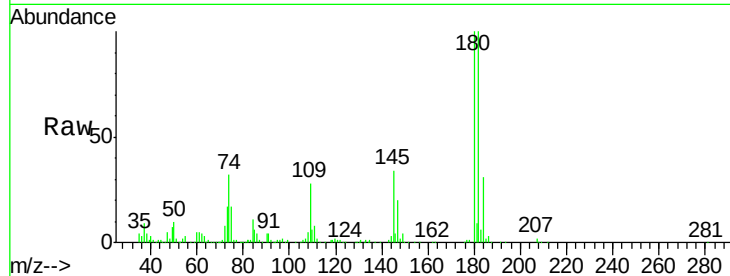
#93
 1,2,4-Trichlorobenzene
 Concen: 19.365 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW009105.D
 Acq: 12 Mar 2019 01:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0311SBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	93807		
182	93.9	48.1	144.3	
145	30.9	15.4	46.1	

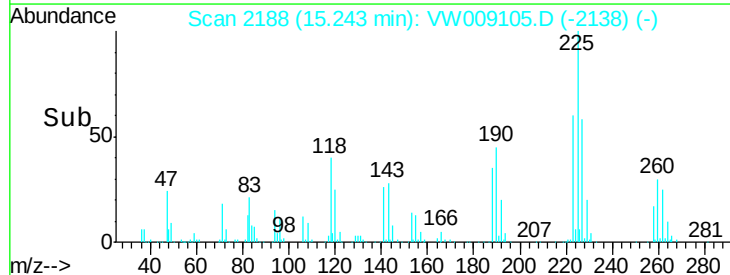
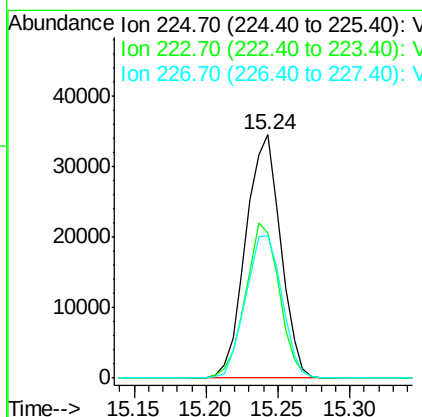
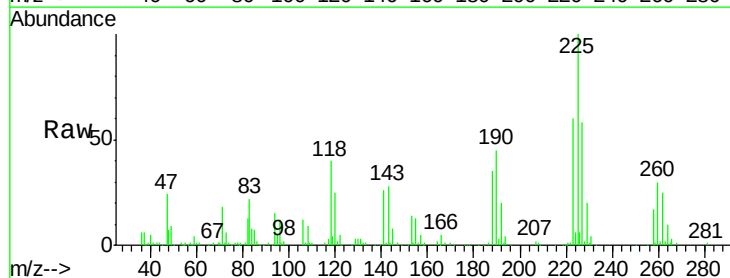
Manual Integrations
 APPROVED

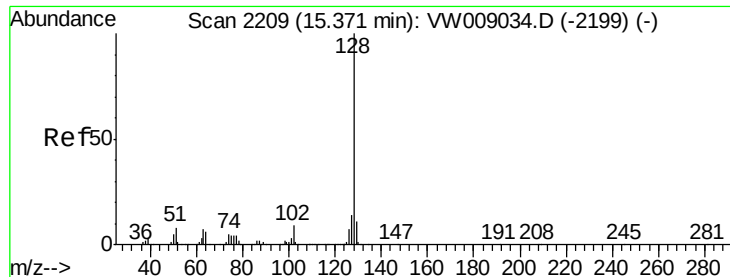
MMDadoda
 3/12/2019 1:16:13 PM



#94
 Hexachlorobutadiene
 Concen: 18.991 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.01 min
 Lab File: VW009105.D
 Acq: 12 Mar 2019 01:17

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	57625		
223	61.7	31.6	94.8	
227	61.0	32.0	96.2	





#95

Naphthalene

Concen: 20.645 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

Instrument :

MSVOA_W

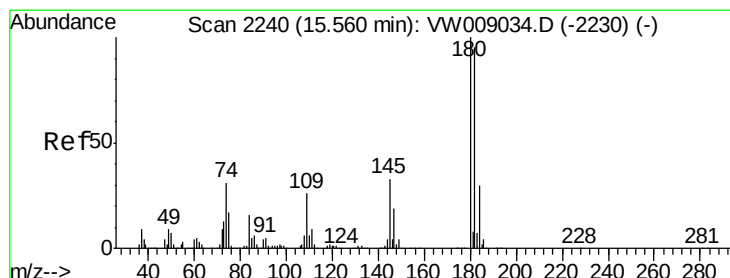
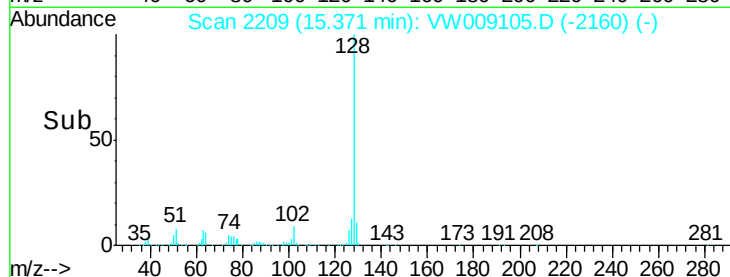
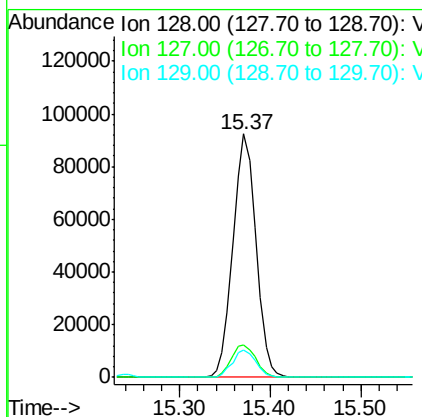
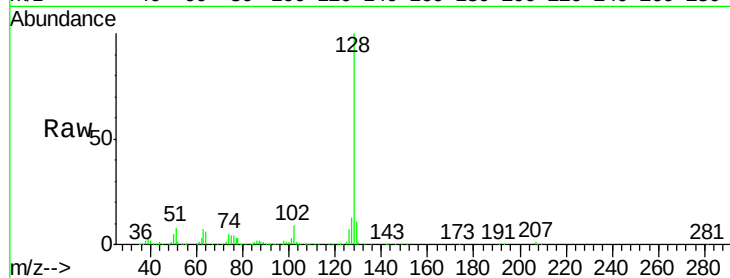
ClientSampleId :

VW0311SBS02

Tot Ion:	128	Resp:	163712
Ion Ratio	Lower	Upper	
128	100		
127	14.4	11.0	16.6
129	11.5	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
3/12/2019 1:16:13 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.356 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW009105.D

Acq: 12 Mar 2019 01:17

Tgt Ion:	180	Resp:	82450
Ion Ratio	Lower	Upper	
180	100		
182	93.5	48.1	144.3
145	31.3	15.8	47.3

