

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030719\
 Data File : VW009036.D
 Acq On : 07 Mar 2019 13:03
 Operator : SY/VA
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 3/8/2019 12:06:48 PM

Quant Time: Mar 08 04:54:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 03:11:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	306909	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	448551	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	439815	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	242261	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	489870	155.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	311.44%	
35) Dibromofluoromethane	7.88	113	424907	157.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	314.12%	
50) Toluene-d8	10.32	98	1665032	148.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	297.64%	
62) 4-Bromofluorobenzene	12.62	95	654353	148.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	297.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	396681	128.433	ug/l	99
3) Chloromethane	2.21	50	552195	142.075	ug/l	99
4) Vinyl Chloride	2.35	62	582390	145.951	ug/l	99
5) Bromomethane	2.75	94	453896	133.569	ug/l	97
6) Chloroethane	2.90	64	416791	146.095	ug/l	100
7) Trichlorofluoromethane	3.25	101	746980	146.543	ug/l	97
8) Diethyl Ether	3.68	74	238028	154.830	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	459659	144.992	ug/l	99
10) Methyl Iodide	4.27	142	537138	178.309	ug/l	100
11) Tert butyl alcohol	5.18	59	167133m	760.469	ug/l	
12) 1,1-Dichloroethene	4.03	96	406863	147.435	ug/l	99
13) Acrolein	3.90	56	187383	712.203	ug/l	100
14) Allyl chloride	4.67	41	753278	157.423	ug/l	98
15) Acrylonitrile	5.37	53	523635	755.278	ug/l	99
16) Acetone	4.13	43	511811	727.952	ug/l	98
17) Carbon Disulfide	4.37	76	1363198	147.407	ug/l	99
18) Methyl Acetate	4.67	43	247203	152.973	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	1131389	155.500	ug/l	99
20) Methylene Chloride	4.92	84	450804	112.636	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	474192	148.761	ug/l	95
22) Diisopropyl ether	6.31	45	1531861	158.965	ug/l	100
23) Vinyl Acetate	6.26	43	4934069	821.438	ug/l	100
24) 1,1-Dichloroethane	6.21	63	855256	153.046	ug/l	99
25) 2-Butanone	7.17	43	741701	777.138	ug/l	100
26) 2,2-Dichloropropane	7.16	77	757339	148.325	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	518217	152.639	ug/l	97
28) Bromochloromethane	7.51	49	364279	157.506	ug/l	95
29) Tetrahydrofuran	7.52	42	494352	807.894	ug/l	98
30) Chloroform	7.68	83	881162	154.309	ug/l	98
31) Cyclohexane	7.95	56	779143	137.029	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	791046	150.426	ug/l	99
36) 1,1-Dichloropropene	8.08	75	658356	141.853	ug/l	98
37) Ethyl Acetate	7.25	43	324754	148.942	ug/l	100
38) Carbon Tetrachloride	8.07	117	701620	145.870	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	833780	149.996	ug/l	100
40) Benzene	8.32	78	1774573	143.803	ug/l	98
41) Methacrylonitrile	7.48	41	195000	169.706	ug/l	92
42) 1,2-Dichloroethane	8.40	62	614743	152.869	ug/l	99
43) Isopropyl Acetate	8.42	43	639618	156.823	ug/l	99
44) Trichloroethene	9.09	130	482917	139.189	ug/l	98
45) 1,2-Dichloropropane	9.37	63	447220	145.684	ug/l	100
46) Dibromomethane	9.46	93	260544	152.807	ug/l	99
47) Bromodichloromethane	9.64	83	646491	150.431	ug/l	99
48) Methyl methacrylate	9.43	41	308730	160.529	ug/l	94
49) 1,4-Dioxane	9.45	88	65860	2631.083	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	1633308	785.700	ug/l	100
52) Toluene	10.39	92	1249341	148.434	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	669267	156.604	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	743595	152.497	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	340936	147.560	ug/l	98
56) Ethyl methacrylate	10.65	69	474300	163.711	ug/l	97
57) 1,3-Dichloropropane	10.93	76	603385	147.104	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	1180793	784.396	ug/l	98
59) 2-Hexanone	10.97	43	1136948	774.692	ug/l	99
60) Dibromochloromethane	11.13	129	432925	152.507	ug/l	98
61) 1,2-Dibromoethane	11.24	107	334371	148.913	ug/l	99
64) Tetrachloroethene	10.86	164	445764	139.603	ug/l	96
65) Chlorobenzene	11.66	112	1356296	143.145	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	485302	153.630	ug/l	100
67) Ethyl Benzene	11.73	91	2582680	151.708	ug/l	99
68) m/p-Xylenes	11.84	106	2042232	303.534	ug/l	100
69) o-Xylene	12.17	106	969819	154.616	ug/l	99
70) Styrene	12.18	104	1630849	159.712	ug/l	99
71) Bromoform	12.35	173	274552	160.282	ug/l #	99
73) Isopropylbenzene	12.46	105	2702586	156.987	ug/l	99
74) N-amyl acetate	12.27	43	679041	165.007	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	406518	148.454	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	299681m	111.093	ug/l	
77) Bromobenzene	12.75	156	573173	145.606	ug/l	97
78) n-propylbenzene	12.80	91	3275577	154.992	ug/l	100
79) 2-Chlorotoluene	12.90	91	1804623	151.962	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	2305422	155.381	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	141914	167.119	ug/l	96
82) 4-Chlorotoluene	12.99	91	1942328	153.504	ug/l	100
83) tert-Butylbenzene	13.21	119	1960392	157.296	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	2349829	156.882	ug/l	99
85) sec-Butylbenzene	13.39	105	2868578	155.336	ug/l	100
86) p-Isopropyltoluene	13.50	119	2644898	159.785	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	1218819	147.662	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	1159107	142.152	ug/l	100
89) n-Butylbenzene	13.83	91	2486133	157.545	ug/l	99
90) Hexachloroethane	14.10	117	441891	154.976	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	1036240	143.321	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	71973	141.582	ug/l	99

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QLast Update : Fri Mar 08 03:11:40 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	738462	149.358	ug/l	99
94) Hexachlorobutadiene	15.24	225	422775	136.803	ug/l	99
95) Naphthalene	15.37	128	1329410	162.296	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	634595	146.171	ug/l	100

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

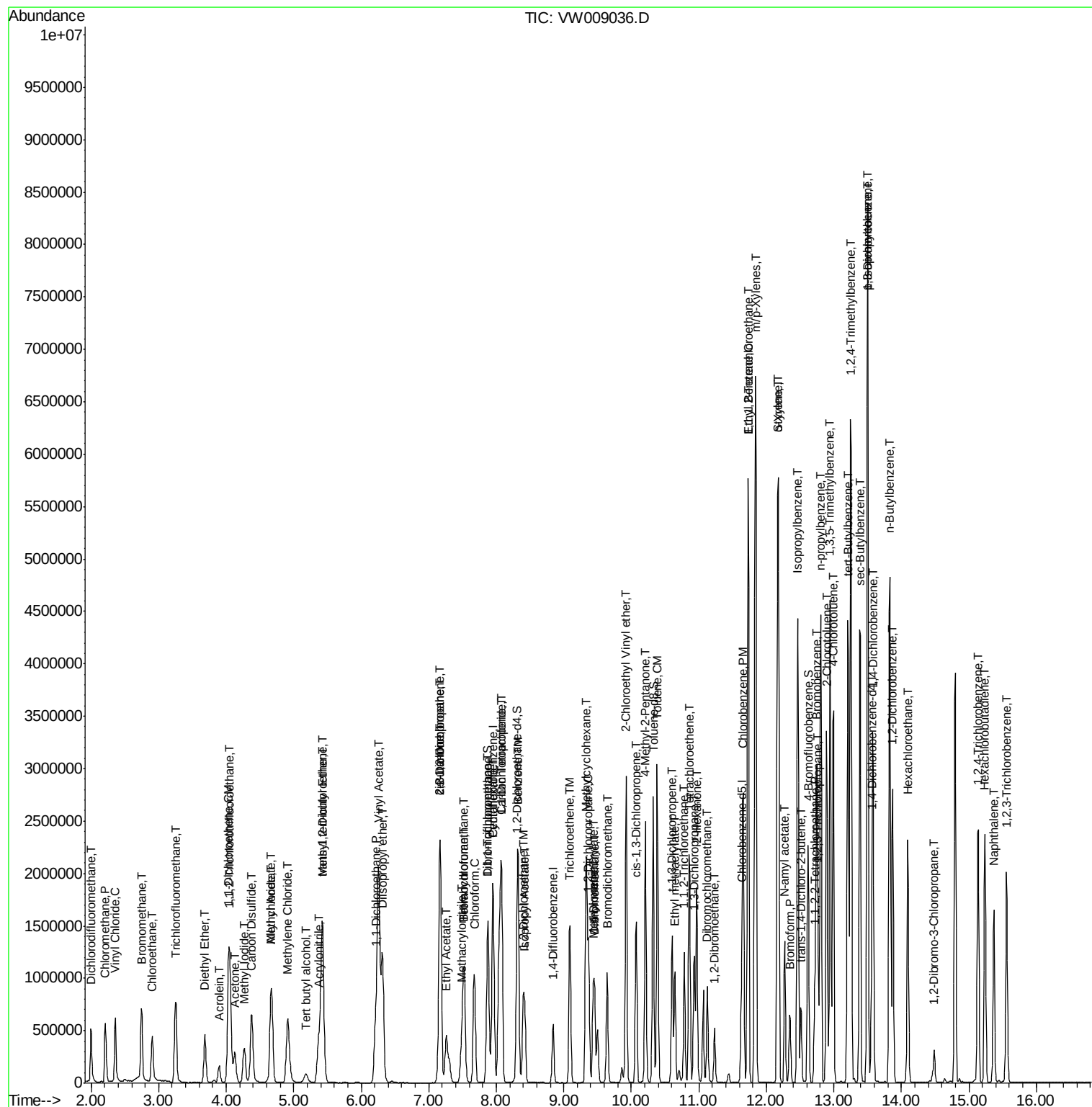
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW030719\
 Data File : VW009036.D
 Acq On : 07 Mar 2019 13:03
 Operator : SY/VA
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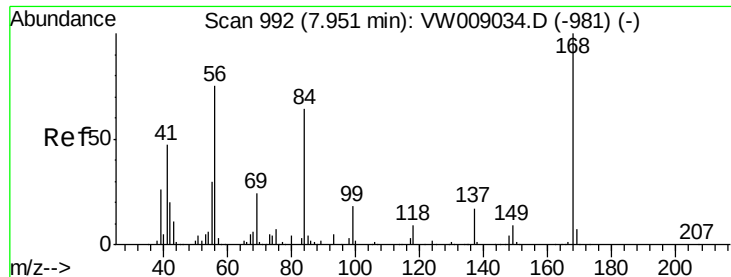
Instrument :
 MSVOA_W
 Client Sampled :
 VSTDIC150

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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: VW009036.D

Acq: 07 Mar 2019 13:03

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion:168 Resp: 306909

Ion Ratio Lower Upper

168 100

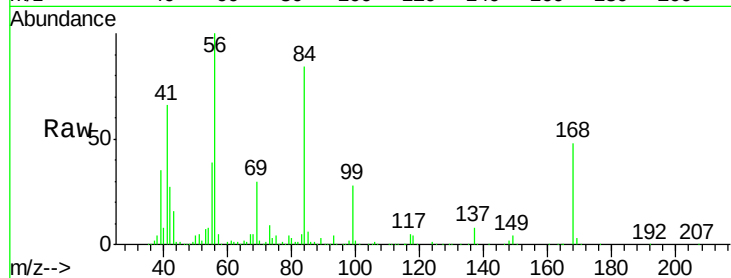
99 57.1 42.2 63.2

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

200000

150000

100000

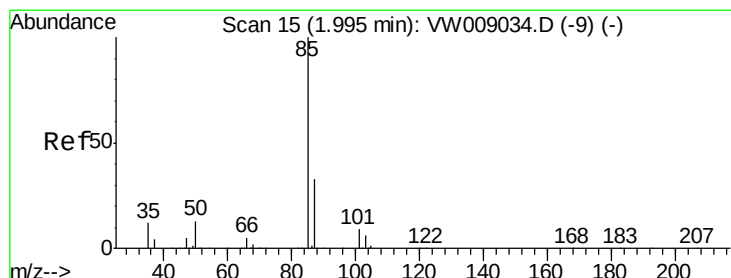
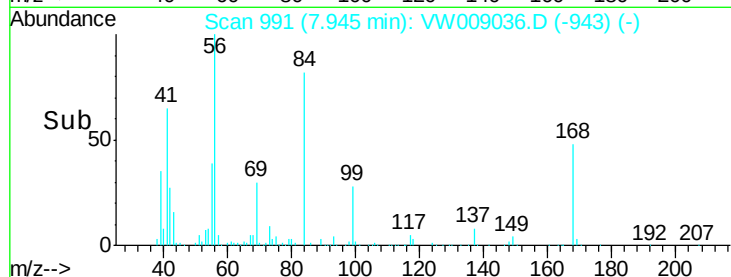
50000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 128.433 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.00 min

Lab File: VW009036.D

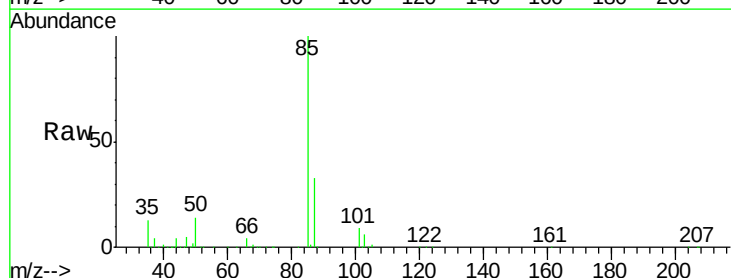
Acq: 07 Mar 2019 13:03

Tgt Ion: 85 Resp: 396681

Ion Ratio Lower Upper

85 100

87 32.9 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

300000

250000

200000

150000

100000

50000

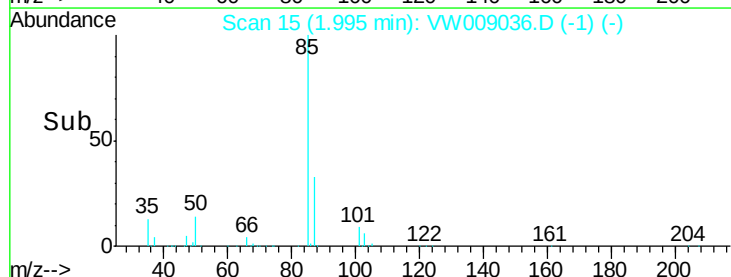
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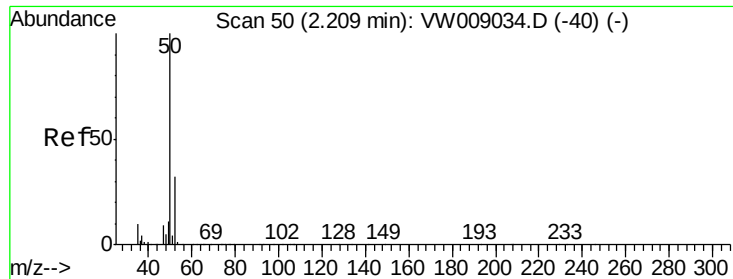
1.90

2.00

2.10

Time-->





#3

Chloromethane

Concen: 142.075 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW009036.D

Acq: 07 Mar 2019 13:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 552195

Ion Ratio Lower Upper

50 100

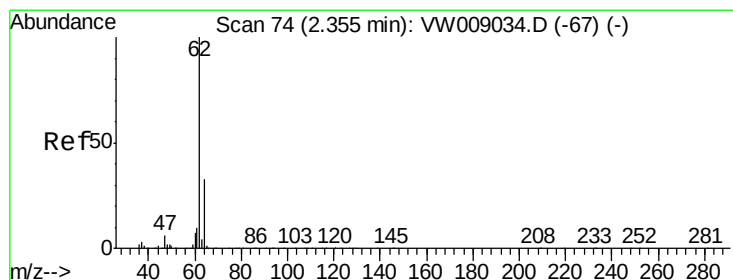
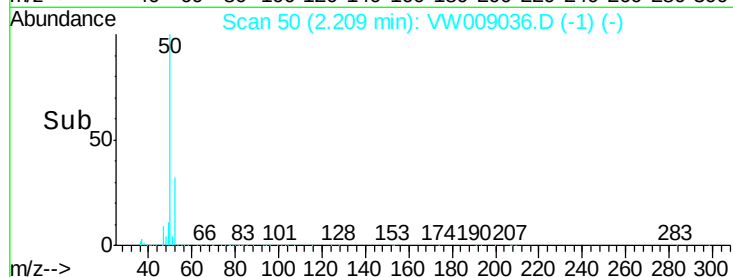
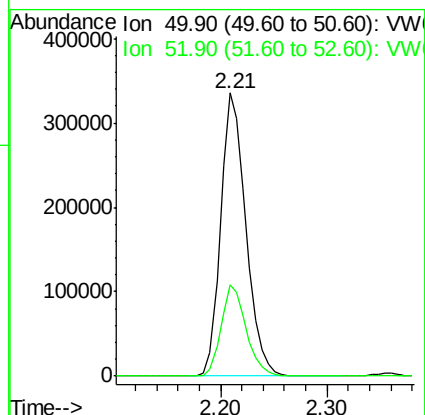
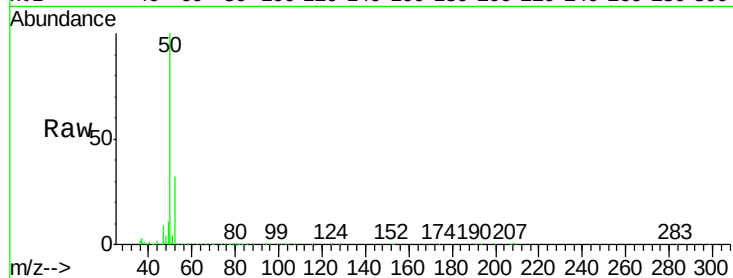
52 32.3 25.4 38.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 145.951 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW009036.D

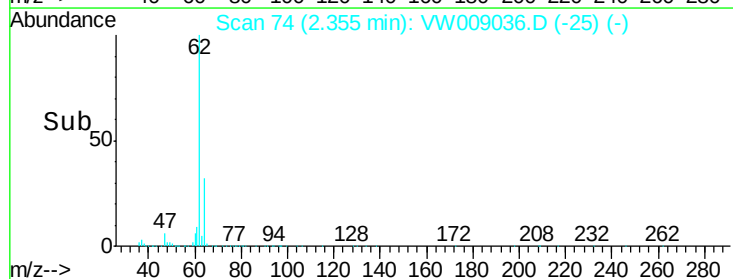
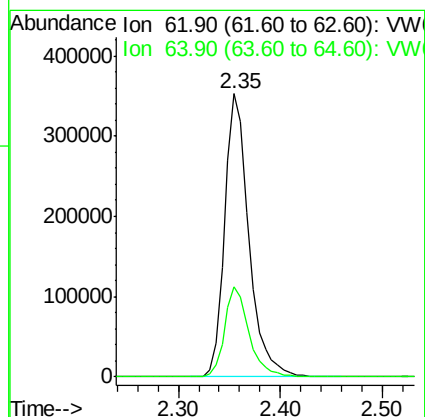
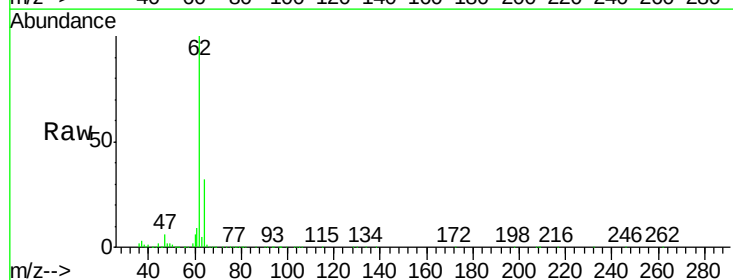
Acq: 07 Mar 2019 13:03

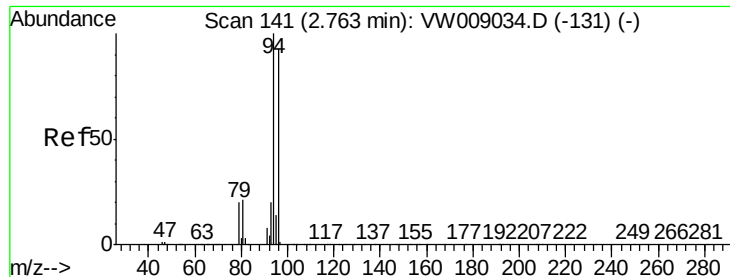
Tgt Ion: 62 Resp: 582390

Ion Ratio Lower Upper

62 100

64 31.9 26.0 39.0





#5

Bromomethane

Concen: 133.569 ug/l

RT: 2.75 min Scan# 138

Delta R.T. -0.02 min

Lab File: VW009036.D

Acq: 07 Mar 2019 13:03

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion: 94 Resp: 453896

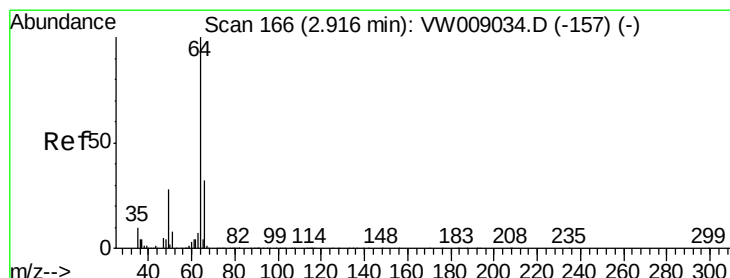
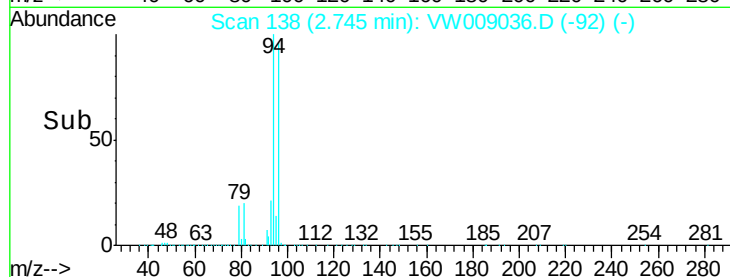
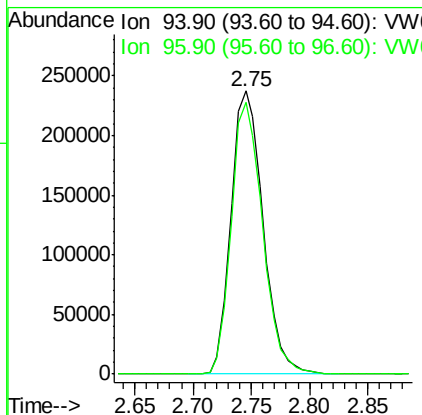
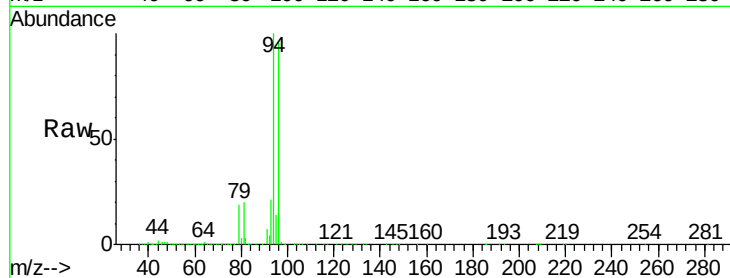
Ion Ratio Lower Upper

94 100

96 95.8 74.4 111.6

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#6

Chloroethane

Concen: 146.095 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW009036.D

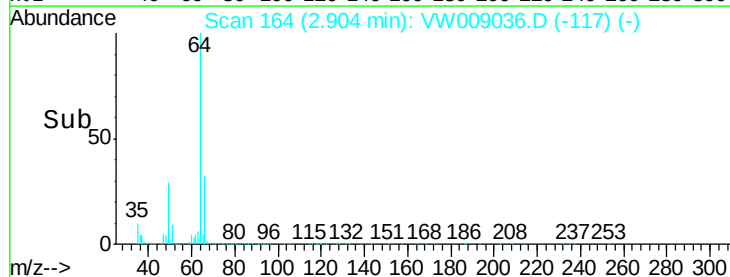
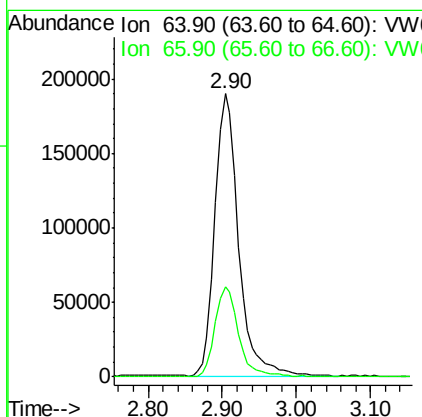
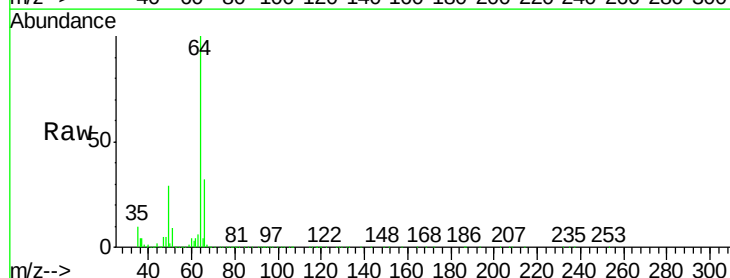
Acq: 07 Mar 2019 13:03

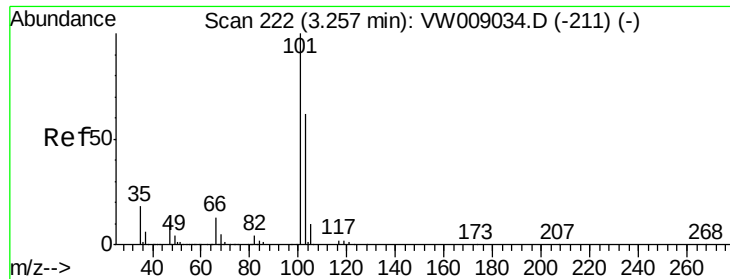
Tgt Ion: 64 Resp: 416791

Ion Ratio Lower Upper

64 100

66 31.9 25.5 38.3





#7

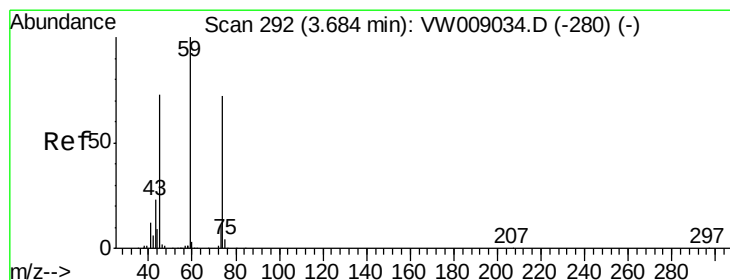
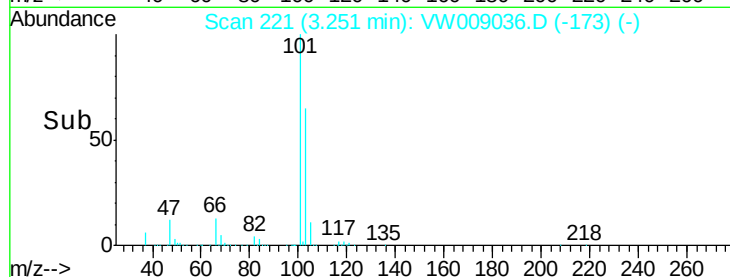
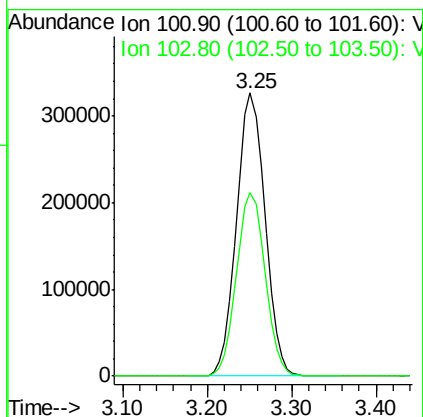
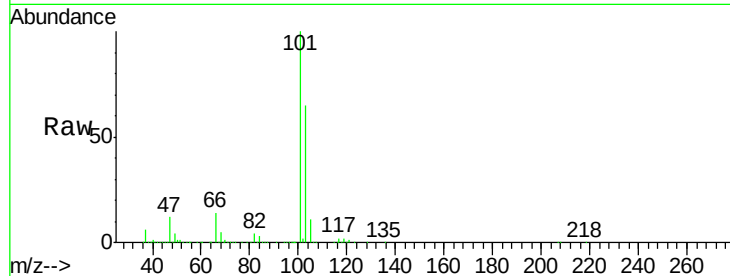
Trichlorofluoromethane
Concen: 146.543 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW009036.D
Acq: 07 Mar 2019 13:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	49.9	74.9

Manual Integrations
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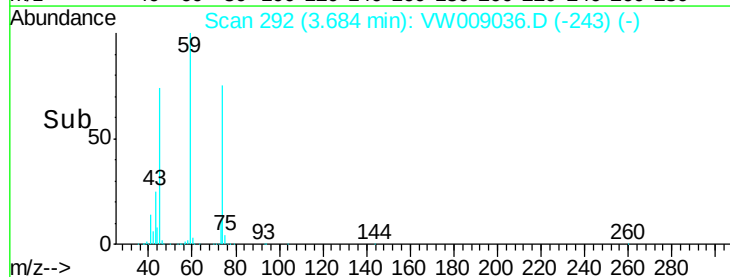
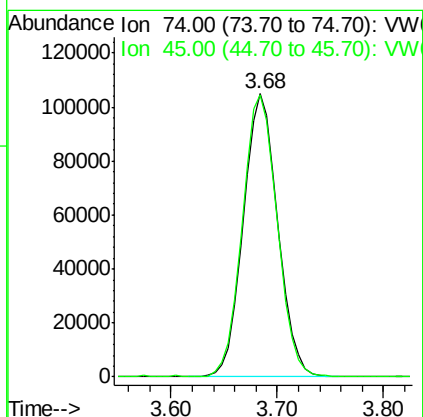
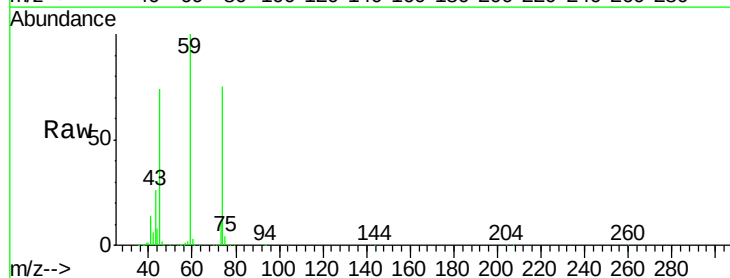
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3/8/2019 12:06:48 PM

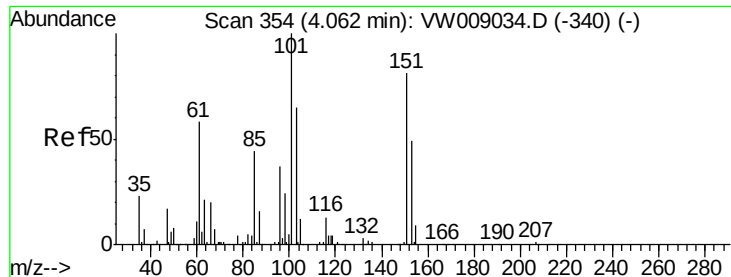


#8

Diethyl Ether
Concen: 154.830 ug/l
RT: 3.68 min Scan# 292
Delta R.T. -0.00 min
Lab File: VW009036.D
Acq: 07 Mar 2019 13:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.4	52.3	157.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 144.992 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW009036.D

Acq: 07 Mar 2019 13:03

Instrument :

MSVOA_W

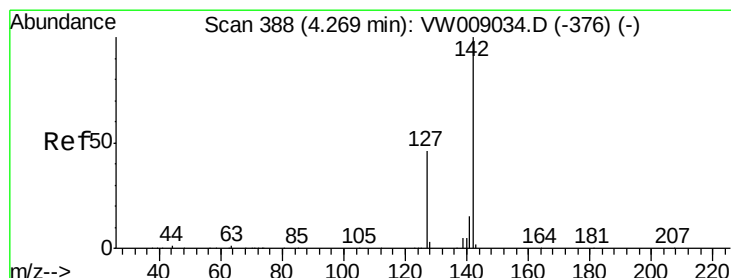
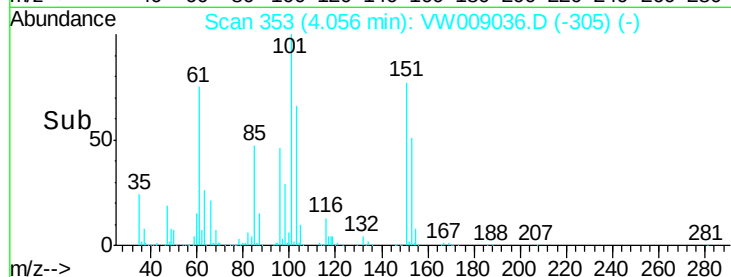
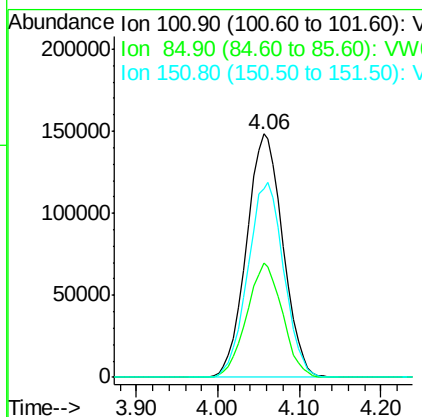
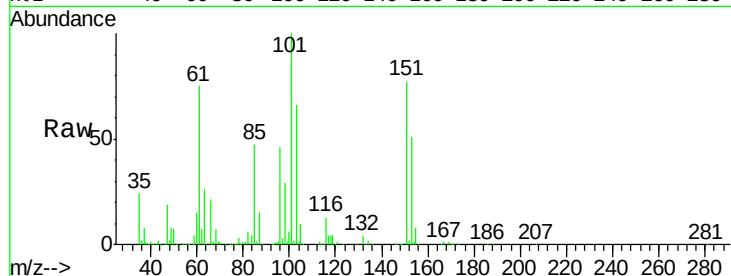
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	459659
Ion Ratio	Lower	Upper	
101	100		
85	46.0	36.2	54.4
151	79.5	63.4	95.2

Manual Integrations
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#10

Methyl Iodide

Concen: 178.309 ug/l

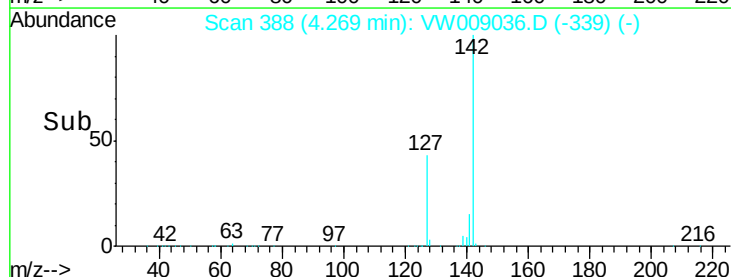
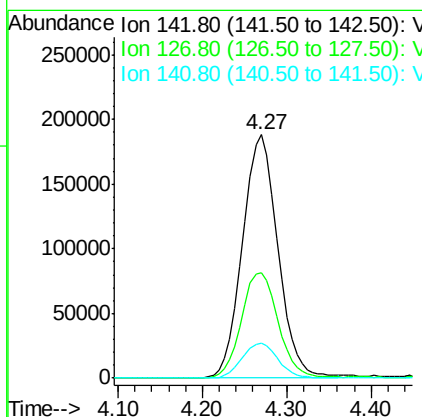
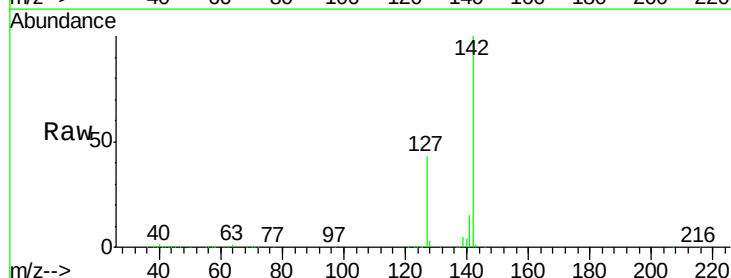
RT: 4.27 min Scan# 388

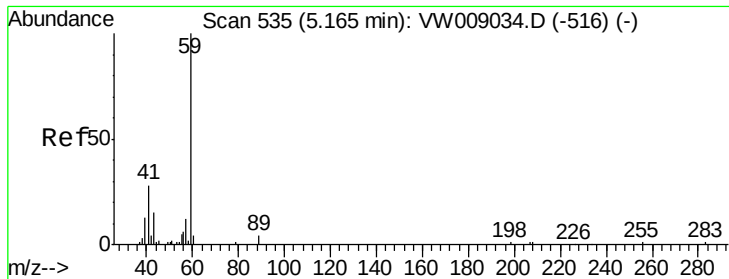
Delta R.T. -0.00 min

Lab File: VW009036.D

Acq: 07 Mar 2019 13:03

Tgt Ion:	142	Resp:	537138
Ion Ratio	Lower	Upper	
142	100		
127	45.0	35.8	53.6
141	14.8	11.8	17.8





#11

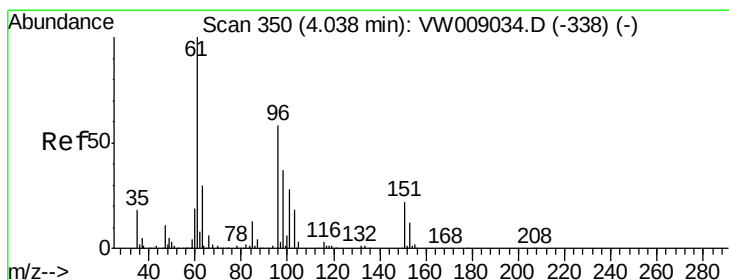
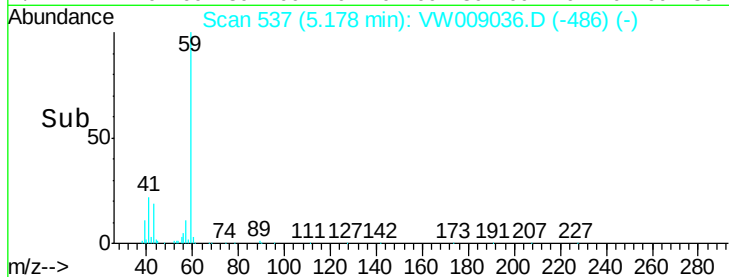
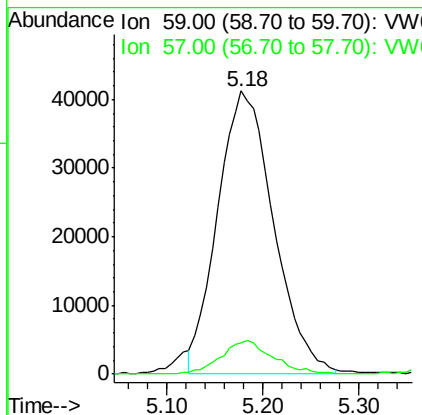
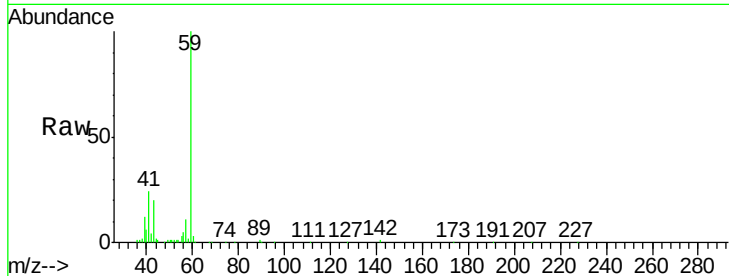
Tert butyl alcohol
 Concen: 760.469 ug/l m
 RT: 5.18 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VW009036.D
 Acq: 07 Mar 2019 13:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.6	12.8

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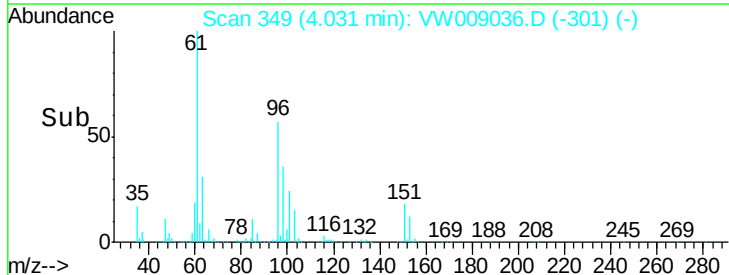
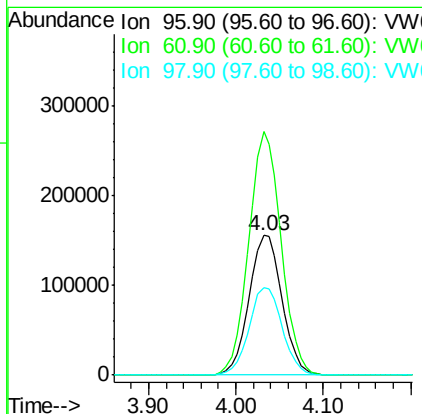
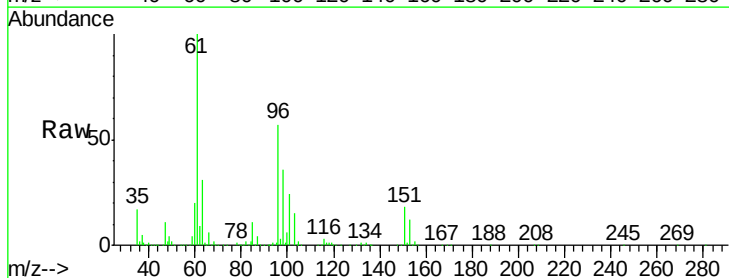
MMDadoda
 3/8/2019 12:06:48 PM

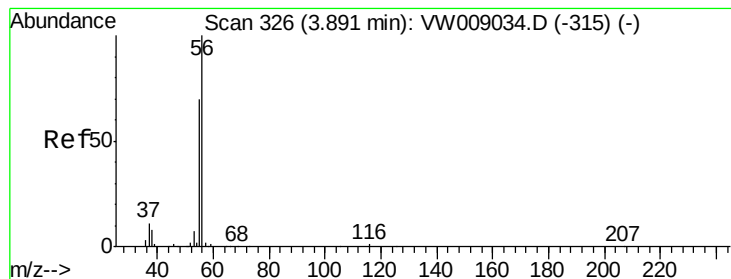


#12

1,1-Dichloroethene
 Concen: 147.435 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW009036.D
 Acq: 07 Mar 2019 13:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	174.5	138.2	207.2
98	62.6	51.3	76.9





#13

Acrolein

Concen: 712.203 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW009036.D

Acq: 07 Mar 2019 13:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 187383

Ion Ratio Lower Upper

56 100

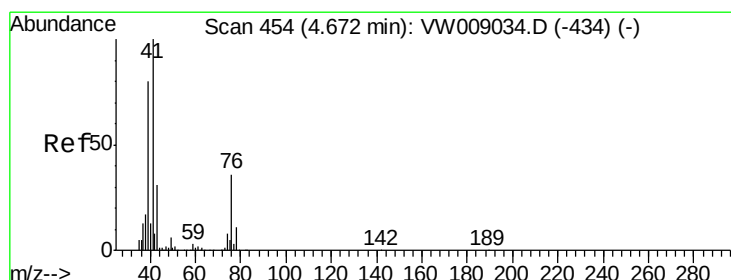
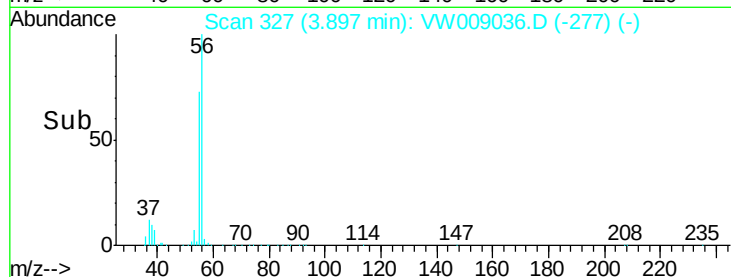
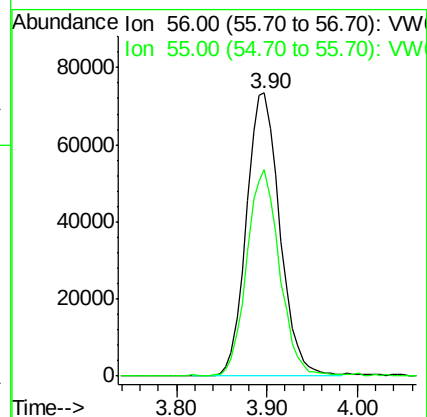
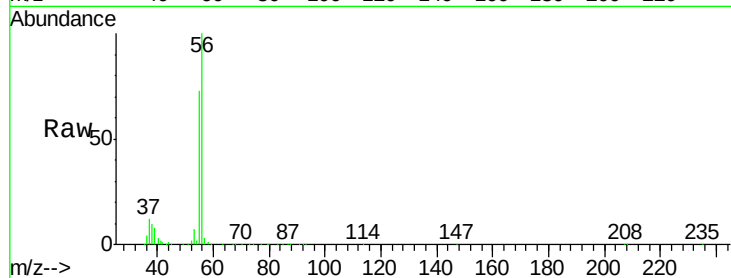
55 70.9 56.6 84.8

Manual Integrations

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#14

Allyl chloride

Concen: 157.423 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW009036.D

Acq: 07 Mar 2019 13:03

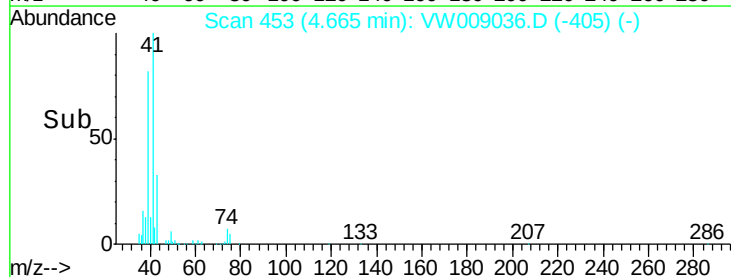
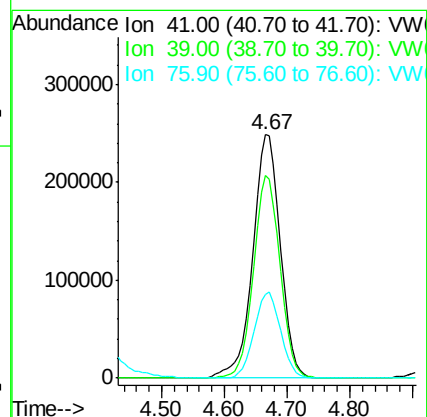
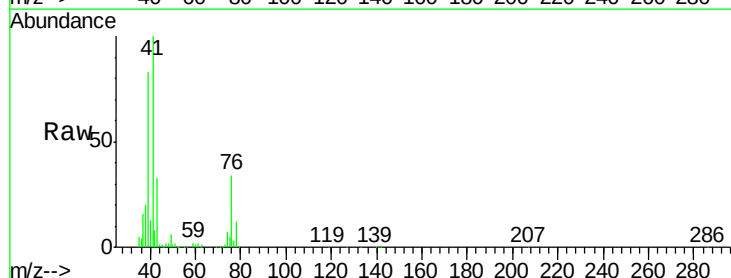
Tgt Ion: 41 Resp: 753278

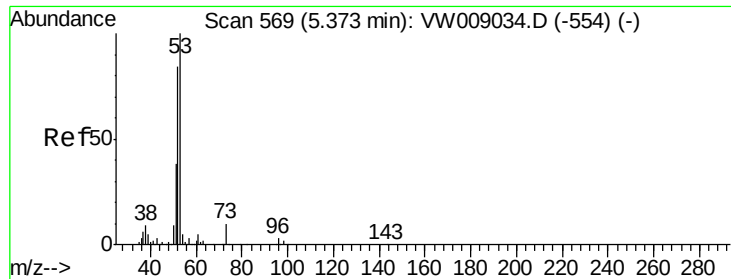
Ion Ratio Lower Upper

41 100

39 80.5 63.0 94.4

76 33.8 28.2 42.2





#15

Acrylonitrile

Concen: 755.278 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.01 min

Lab File: VW009036.D

Acq: 07 Mar 2019 13:03

Instrument :

MSVOA_W

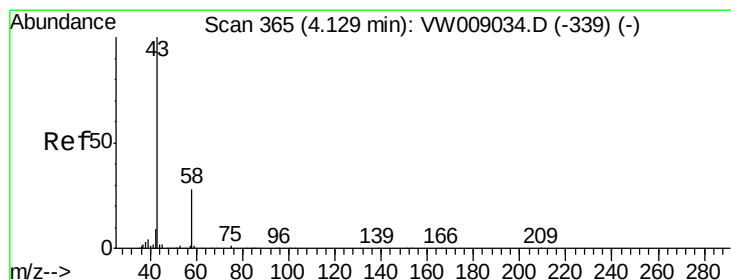
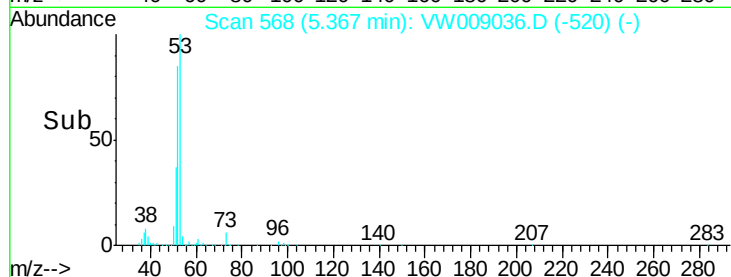
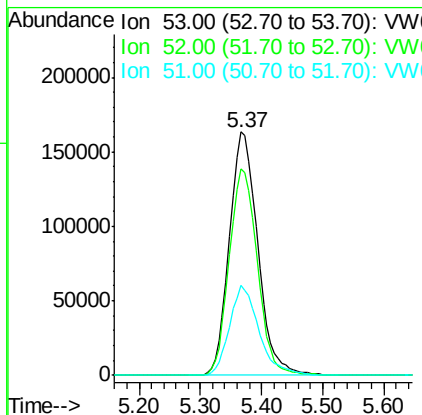
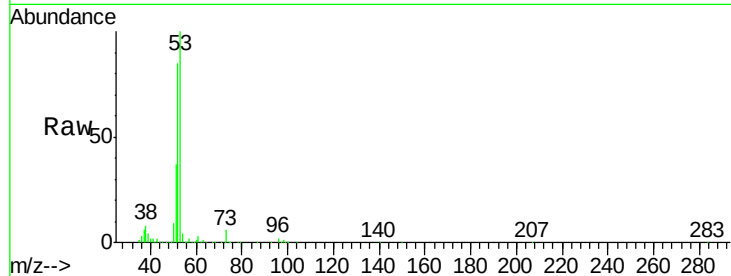
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	523635
Ion Ratio	Lower	Upper	
53	100		
52	84.0	67.2	100.8
51	38.4	31.8	47.6

Manual Integrations
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#16

Acetone

Concen: 727.952 ug/l

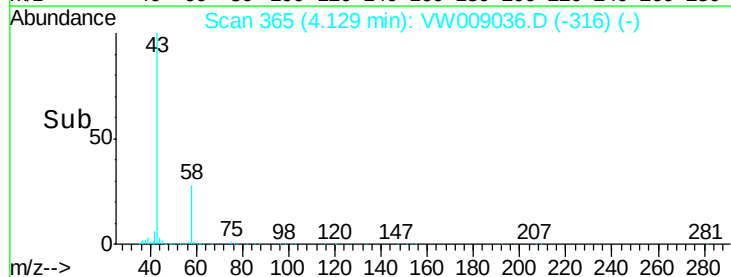
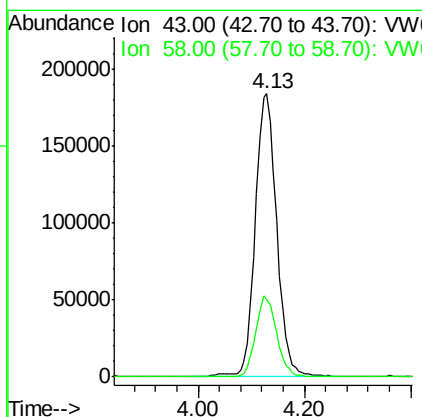
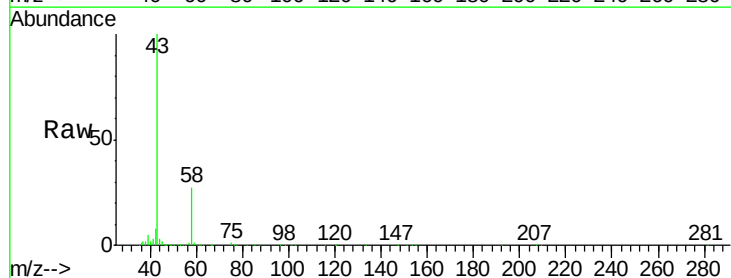
RT: 4.13 min Scan# 365

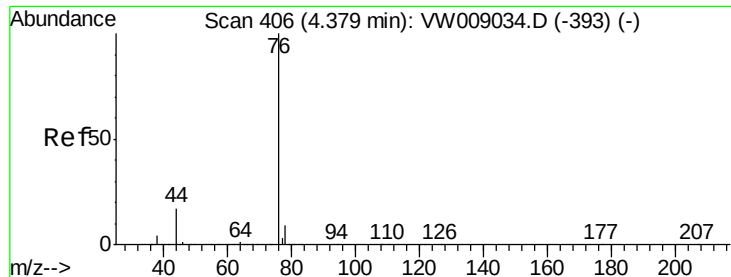
Delta R.T. -0.00 min

Lab File: VW009036.D

Acq: 07 Mar 2019 13:03

Tgt Ion:	43	Resp:	511811
Ion Ratio	Lower	Upper	
43	100		
58	27.2	22.5	33.7





#17

Carbon Disulfide

Concen: 147.407 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW009036.D

Acq: 07 Mar 2019 13:03

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion: 76 Resp: 1363198

Ion Ratio Lower Upper

76 100

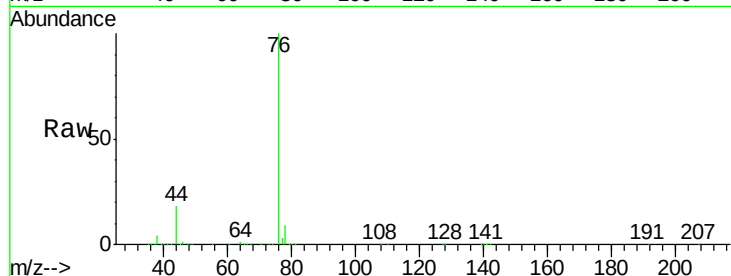
78 9.2 7.0 10.6

Manual Integrations

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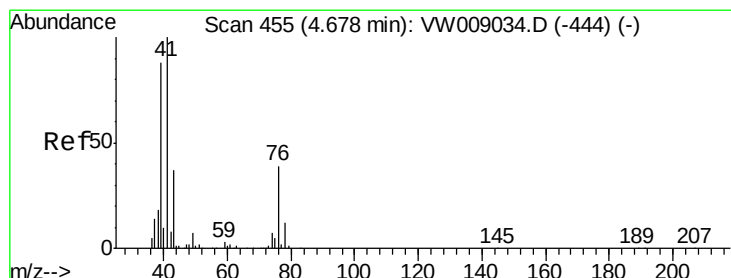
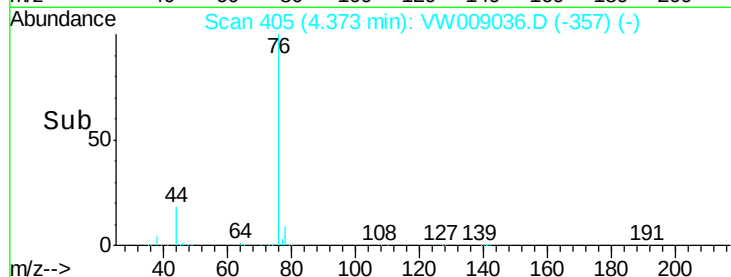
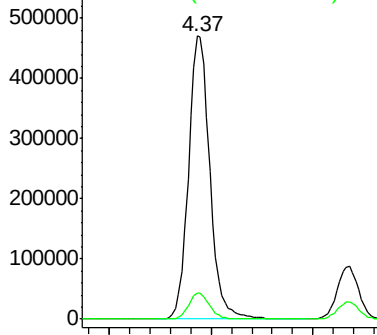
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 152.973 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW009036.D

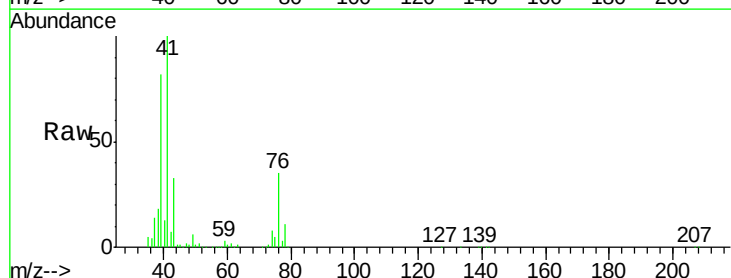
Acq: 07 Mar 2019 13:03

Tgt Ion: 43 Resp: 247203

Ion Ratio Lower Upper

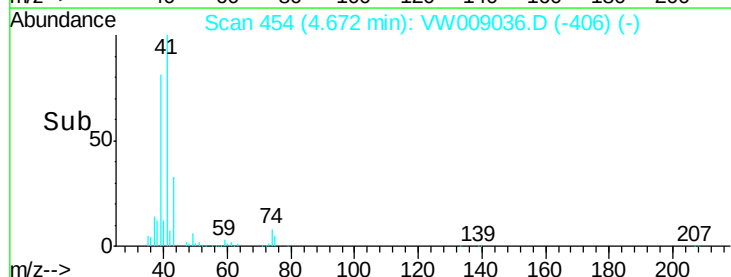
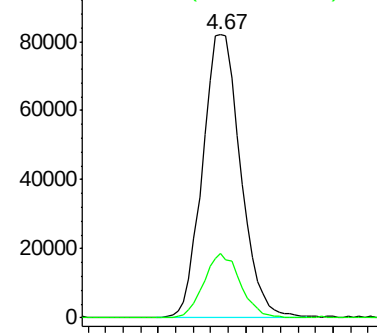
43 100

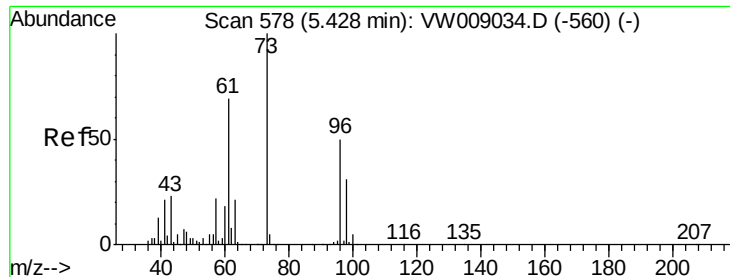
74 22.1 17.6 26.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





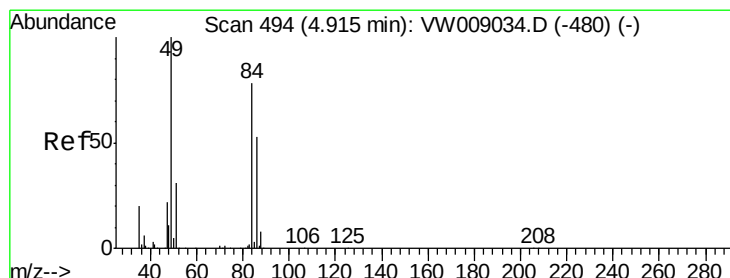
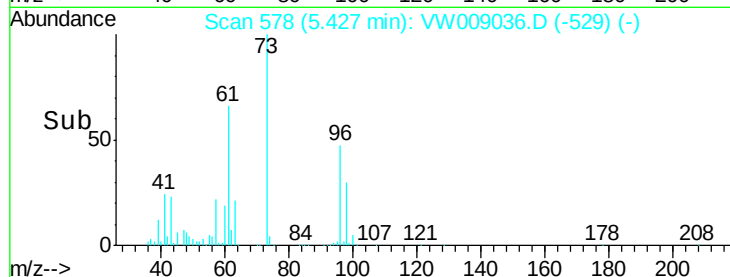
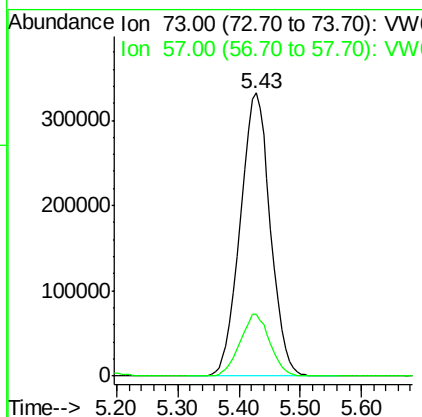
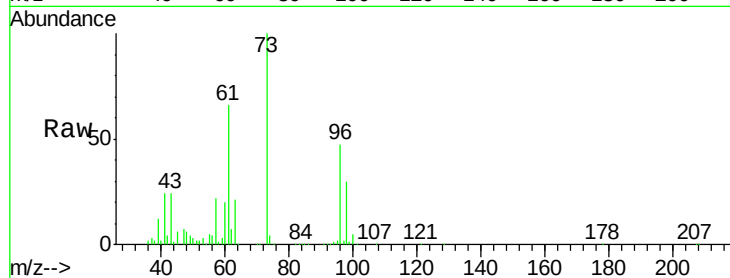
#19
Methyl tert-butyl Ether
Concen: 155.500 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW009036.D
Acq: 07 Mar 2019 13:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 1131389
Ion Ratio Lower Upper
73 100
57 22.0 17.3 25.9

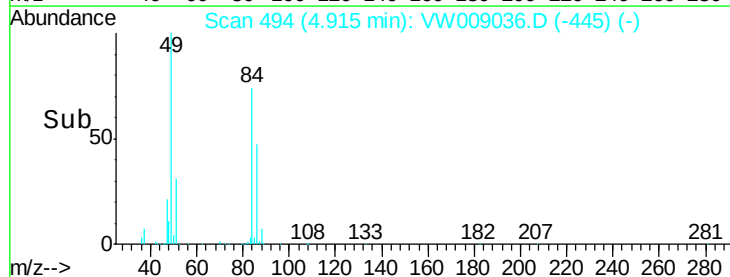
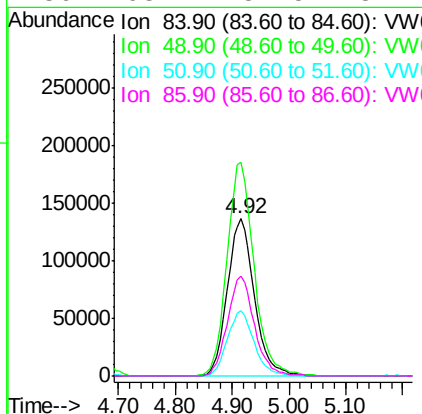
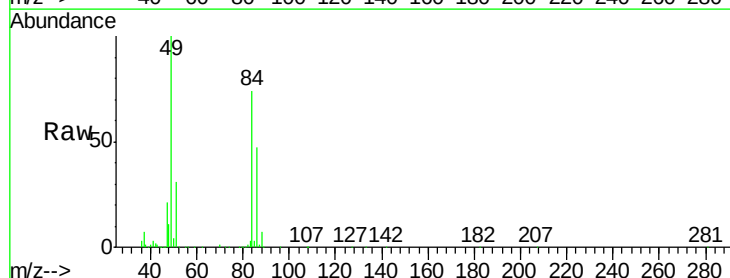
Manual Integrations
APPROVED

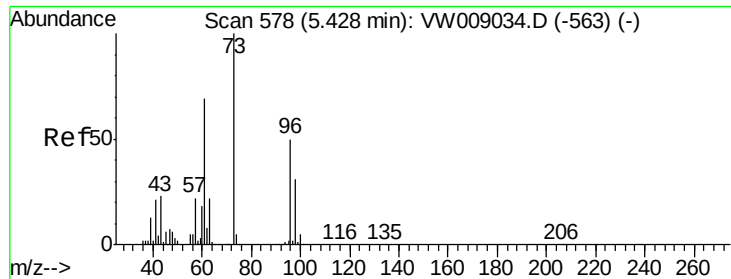
MMDadoda
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#20
Methylene Chloride
Concen: 112.636 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW009036.D
Acq: 07 Mar 2019 13:03

Tgt Ion: 84 Resp: 450804
Ion Ratio Lower Upper
84 100
49 136.0 102.4 153.6
51 42.0 31.6 47.4
86 63.4 54.5 81.7





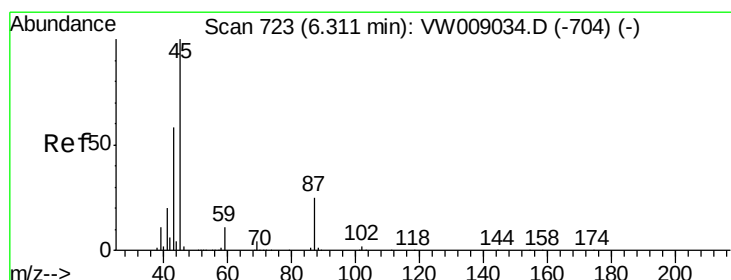
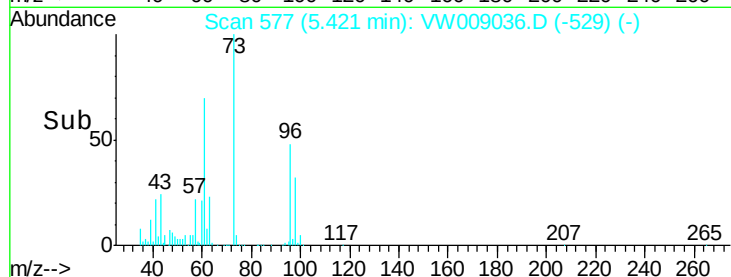
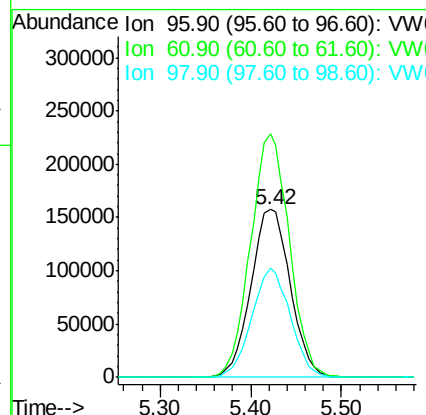
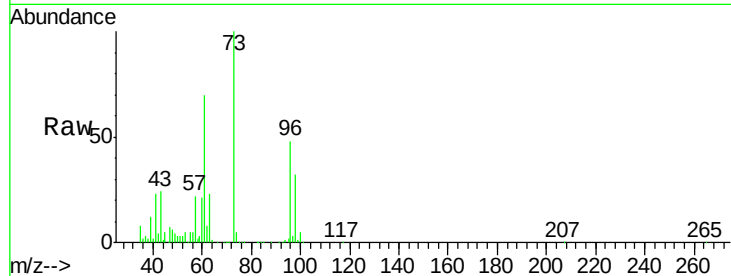
#21
trans-1,2-Dichloroethene
Concen: 148.761 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW009036.D
Acq: 07 Mar 2019 13:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.4	111.0	166.6
98	65.1	49.4	74.0

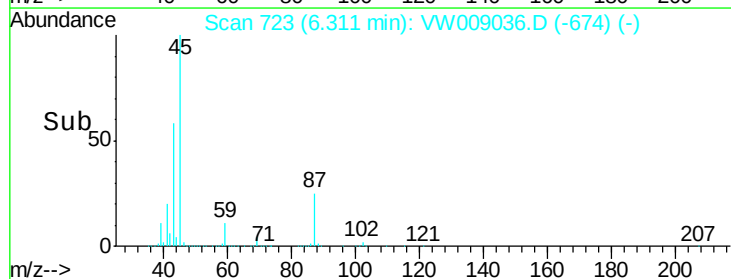
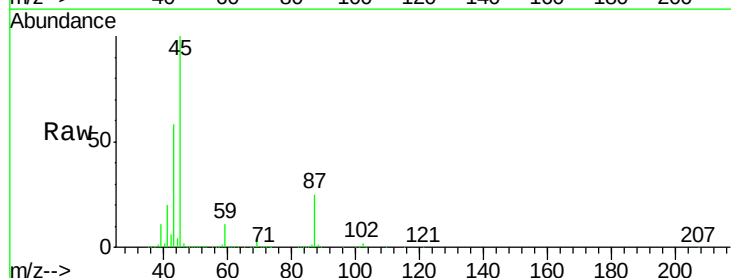
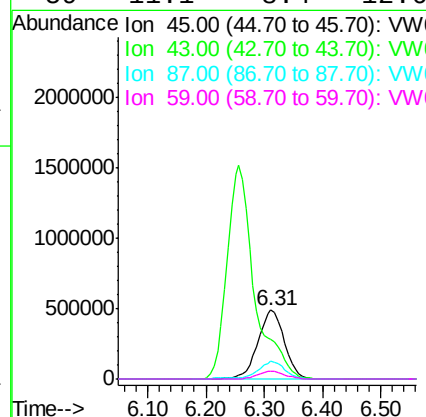
Manual Integrations
APPROVED

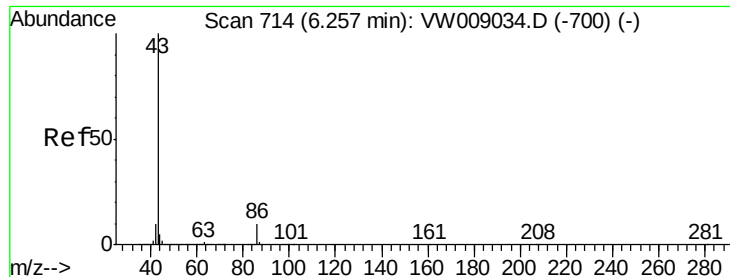
MMDadoda
3/8/2019 12:06:48 PM



#22
Diisopropyl ether
Concen: 158.965 ug/l
RT: 6.31 min Scan# 723
Delta R.T. -0.00 min
Lab File: VW009036.D
Acq: 07 Mar 2019 13:03

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.2	46.2	69.4
87	25.1	20.1	30.1
59	11.1	8.4	12.6





#23

Vinyl Acetate

Concen: 821.438 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW009036.D

Acq: 07 Mar 2019 13:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 4934069

Ion Ratio Lower Upper

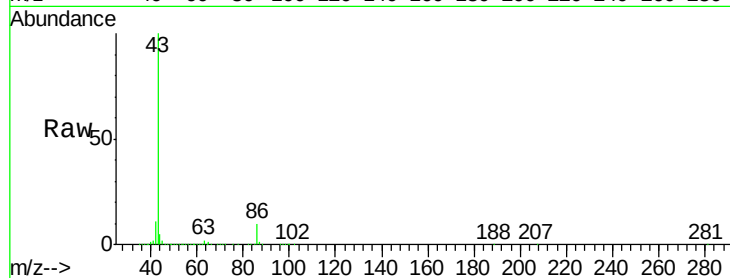
43 100

86 9.6 7.6 11.4

Manual Integrations
APPROVED

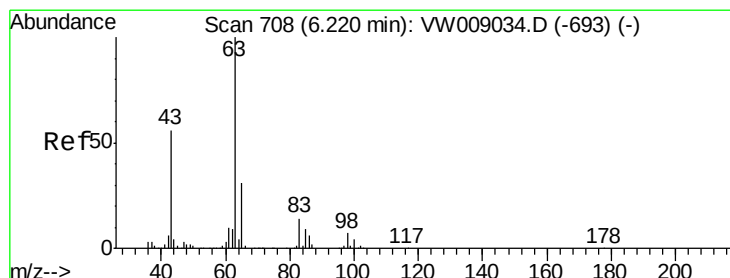
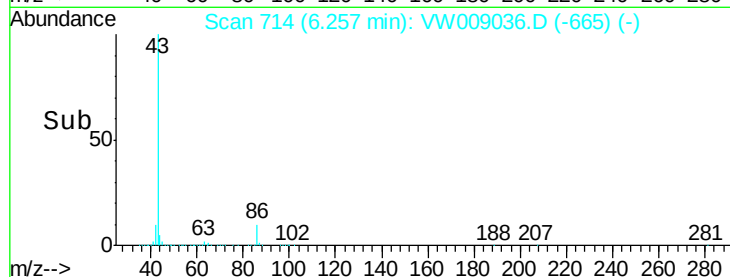
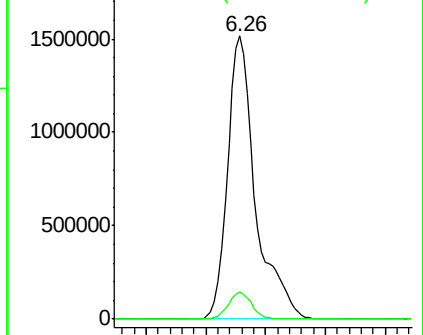
MMDadoda

3/8/2019 12:06:48 PM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 153.046 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW009036.D

Acq: 07 Mar 2019 13:03

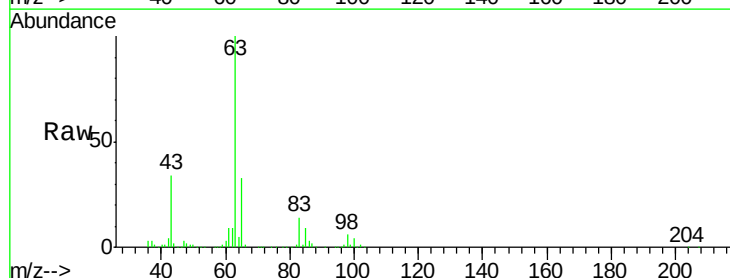
Tgt Ion: 63 Resp: 855256

Ion Ratio Lower Upper

63 100

98 6.5 3.4 10.2

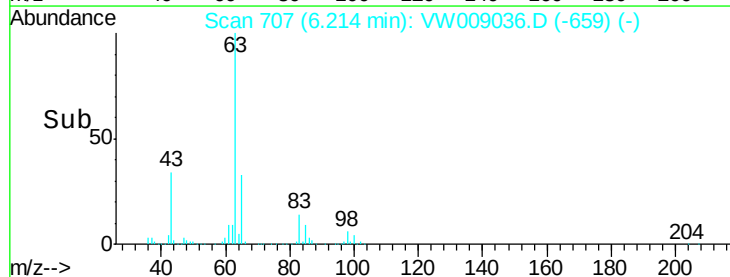
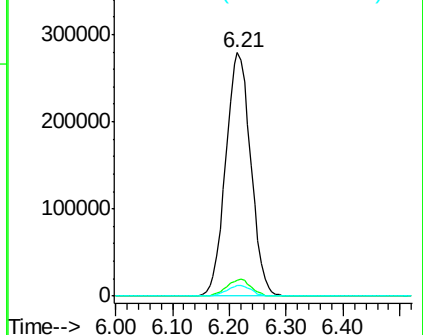
100 4.2 2.1 6.2

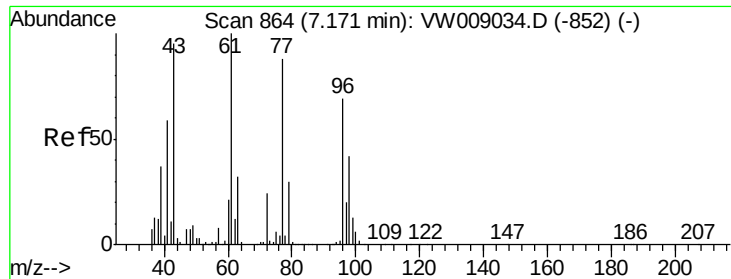


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 777.138 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW009036.D

Acq: 07 Mar 2019 13:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 741701

Ion Ratio Lower Upper

43 100

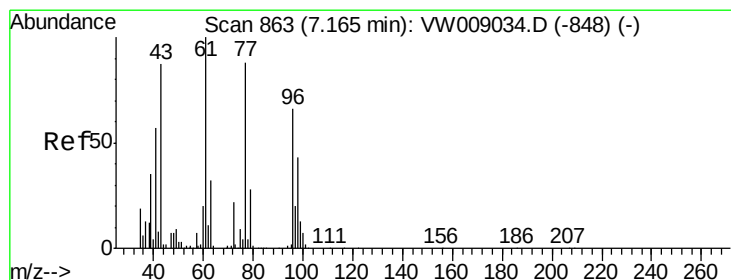
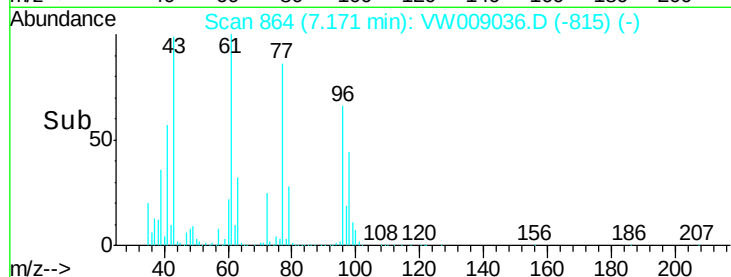
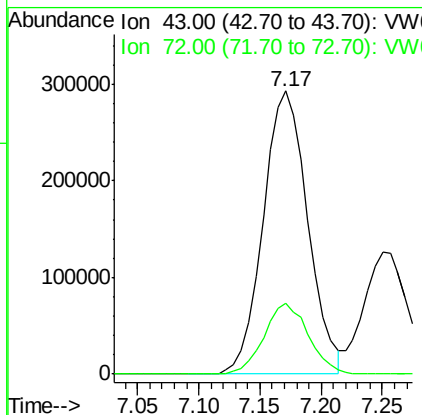
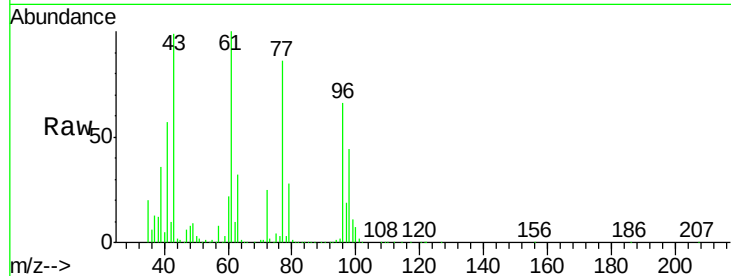
72 25.2 20.0 30.0

Manual Integrations

APPROVED

MMDadoda

3/8/2019 12:06:48 PM



#26

2,2-Dichloropropane

Concen: 148.325 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW009036.D

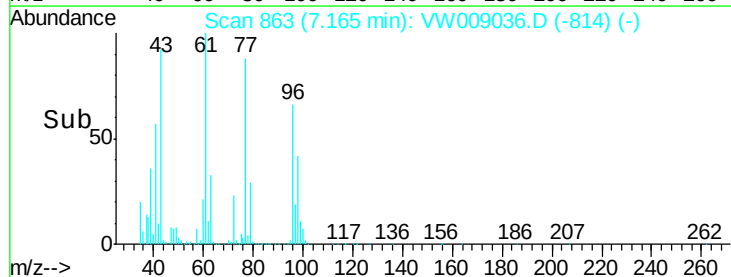
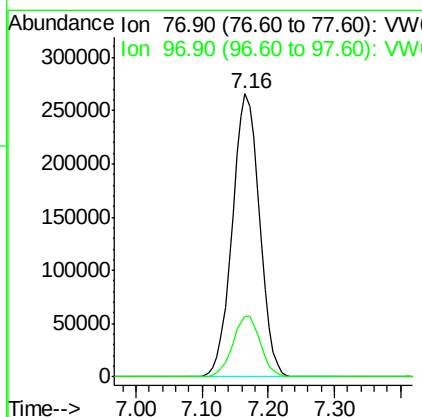
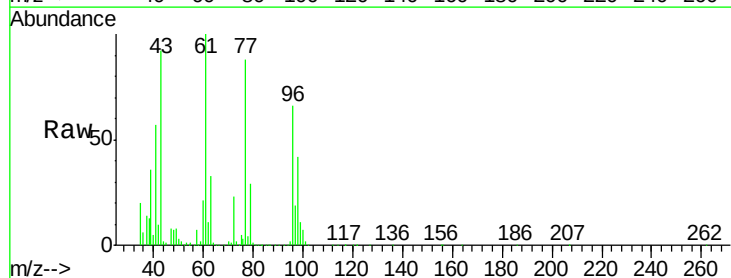
Acq: 07 Mar 2019 13:03

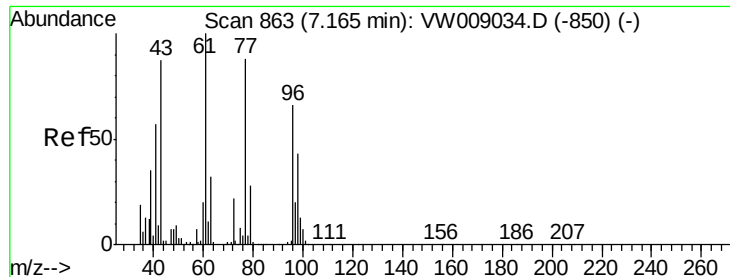
Tgt Ion: 77 Resp: 757339

Ion Ratio Lower Upper

77 100

97 21.6 10.9 32.9





#27

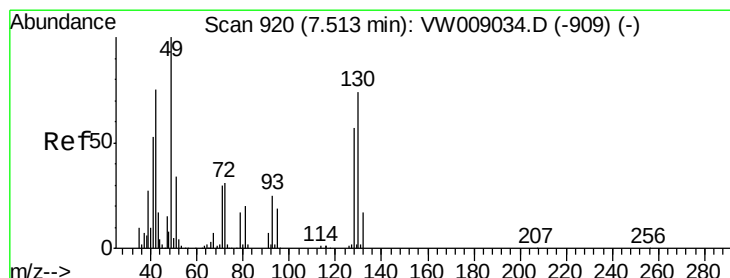
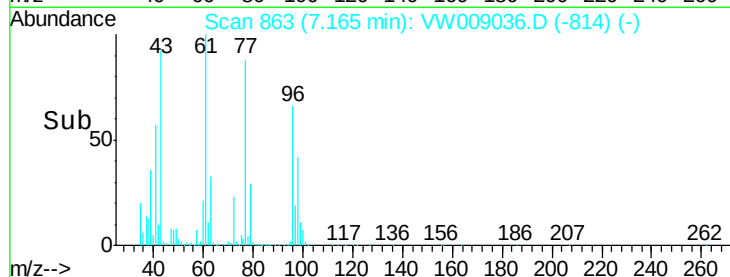
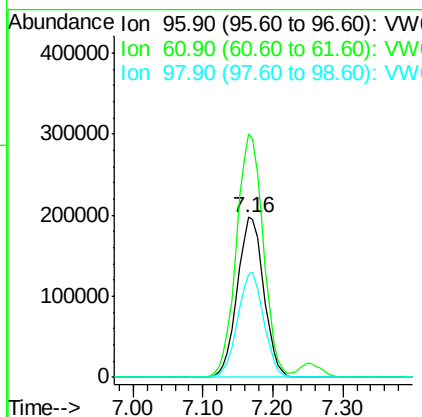
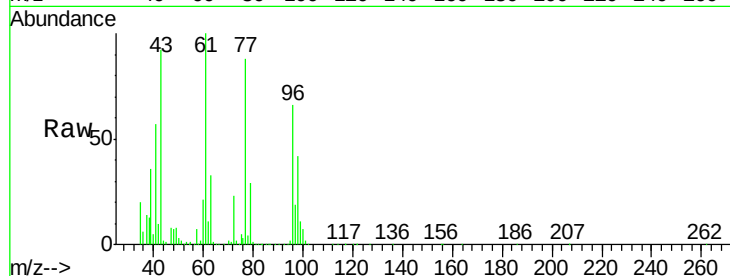
cis-1,2-Dichloroethene
 Concen: 152.639 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW009036.D
 Acq: 07 Mar 2019 13:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100	518217		
61	154.5		0.0	299.8
98	64.7		0.0	127.2

Manual Integrations
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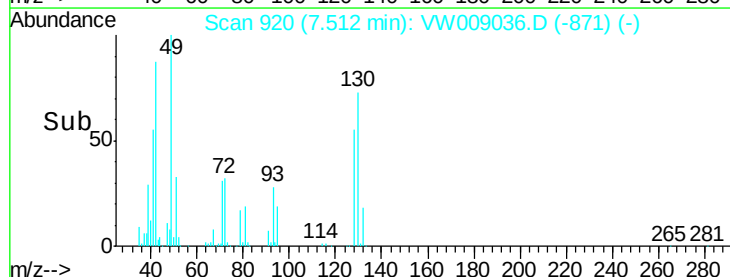
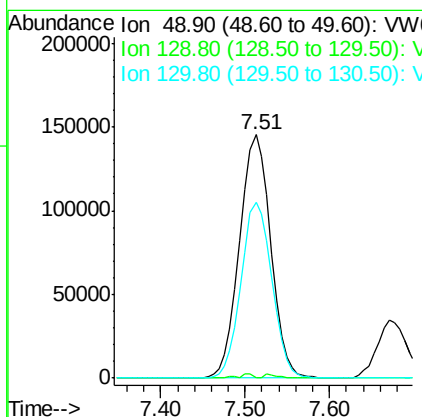
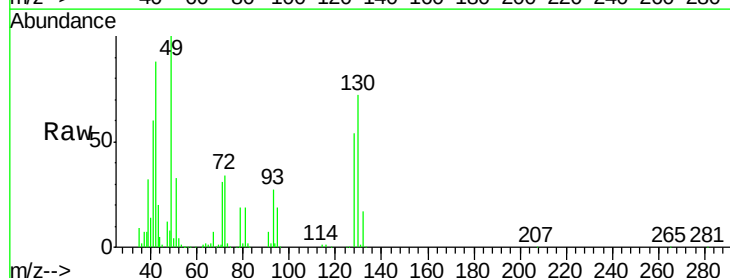
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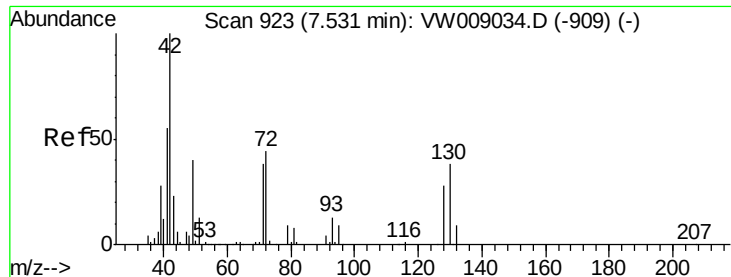


#28

Bromochloromethane
 Concen: 157.506 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW009036.D
 Acq: 07 Mar 2019 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	364279		
129	0.8		0.0	4.6
130	71.6		60.4	90.6





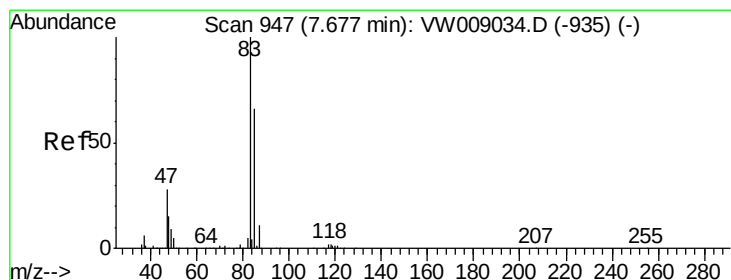
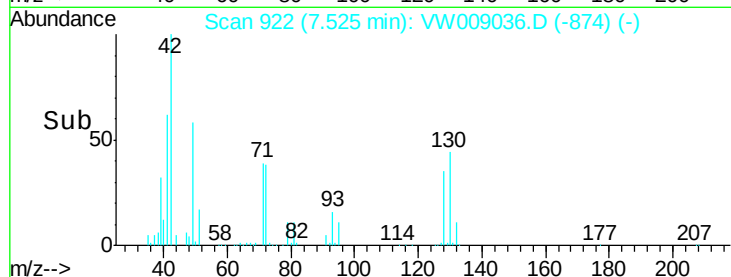
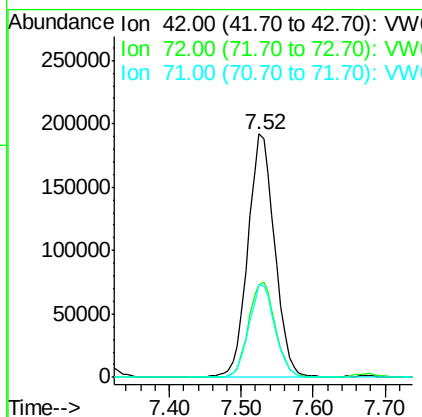
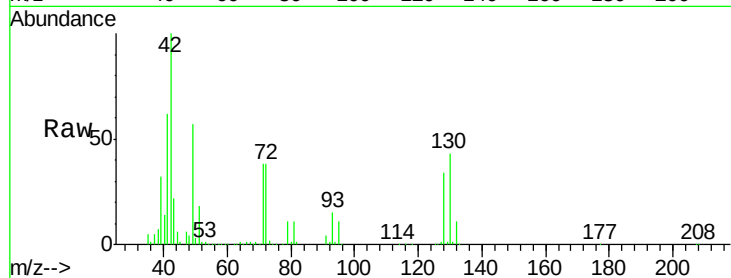
#29
Tetrahydrofuran
Concen: 807.894 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW009036.D
Acq: 07 Mar 2019 13:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.2	32.2	48.4
71	37.1	30.7	46.1

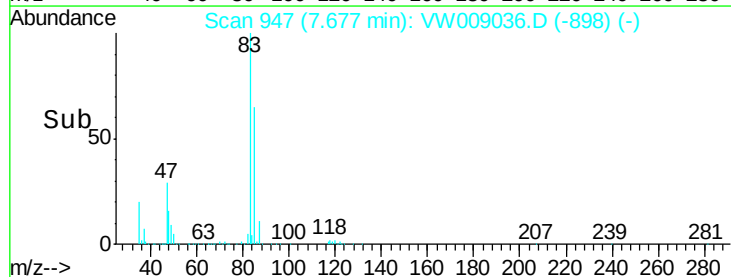
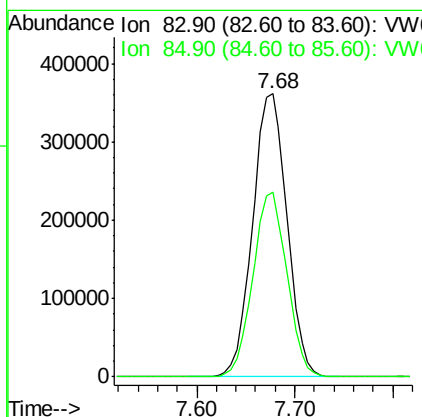
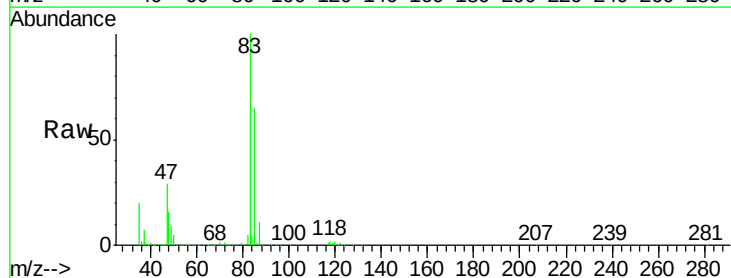
Manual Integrations
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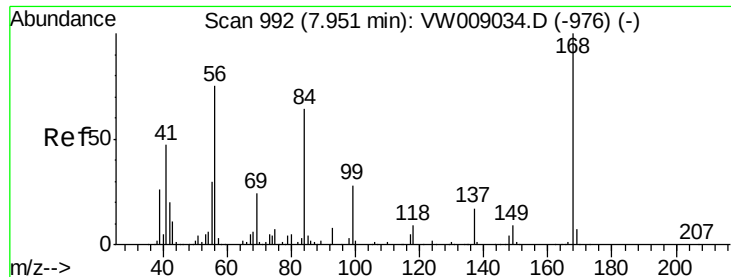
MMDadoda
3/8/2019 12:06:48 PM



#30
Chloroform
Concen: 154.309 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW009036.D
Acq: 07 Mar 2019 13:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	53.0	79.6





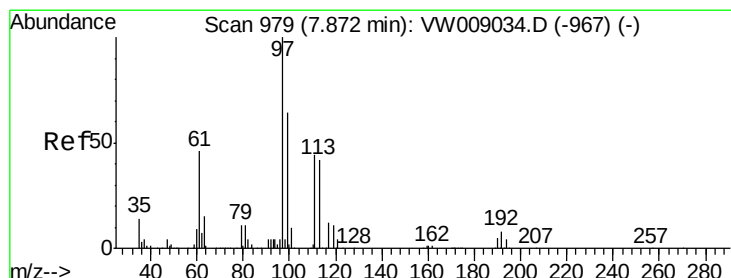
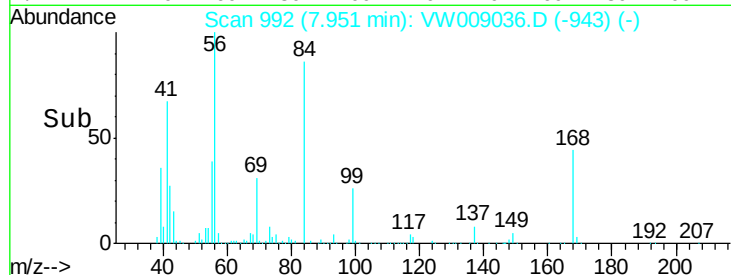
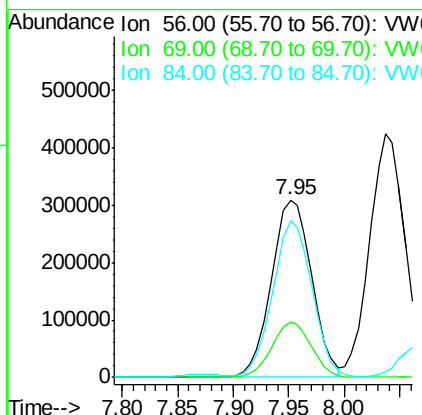
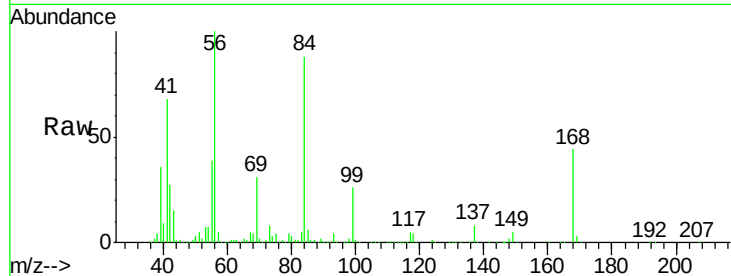
#31
Cyclohexane
Concen: 137.029 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW009036.D
Acq: 07 Mar 2019 13:03

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.1	25.5	38.3
84	86.6	68.6	103.0

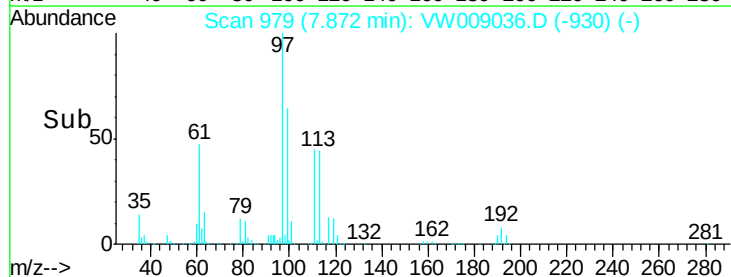
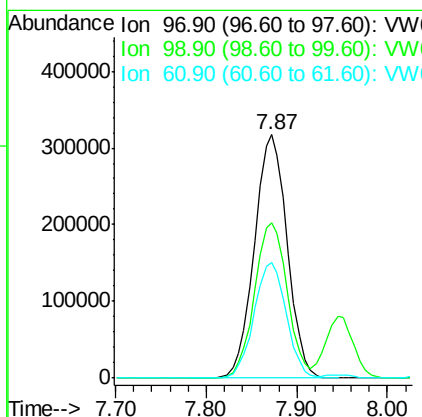
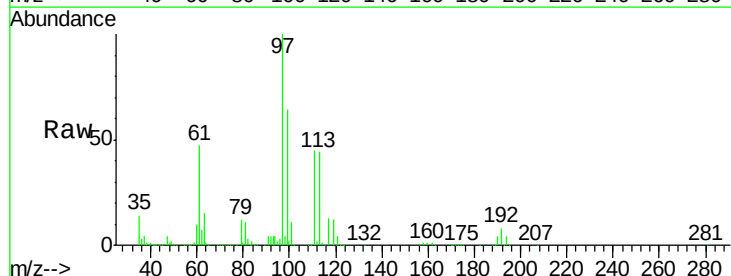
Manual Integrations
APPROVED

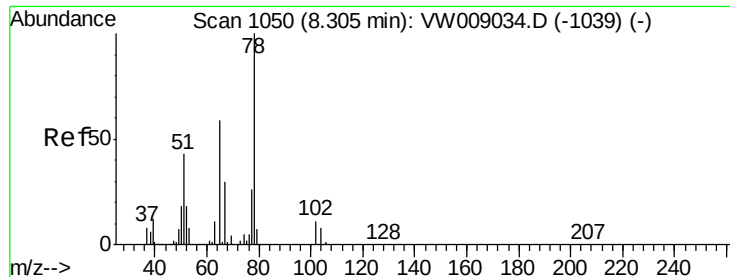
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#32
1,1,1-Trichloroethane
Concen: 150.426 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW009036.D
Acq: 07 Mar 2019 13:03

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.8	77.8
61	47.0	37.3	55.9





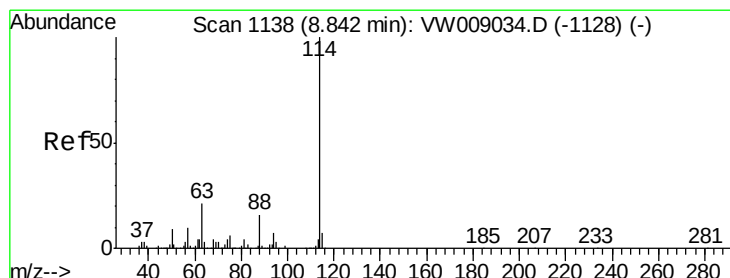
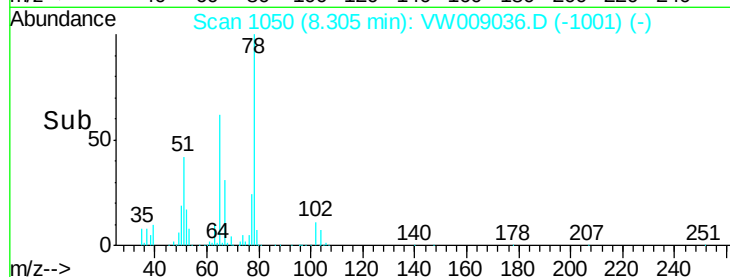
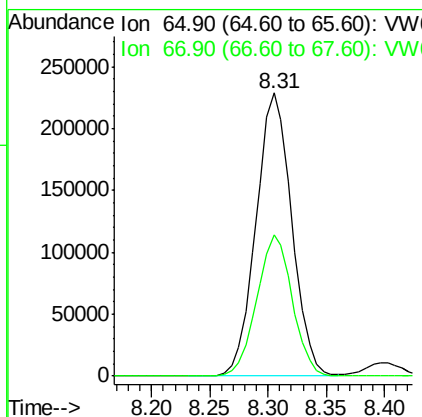
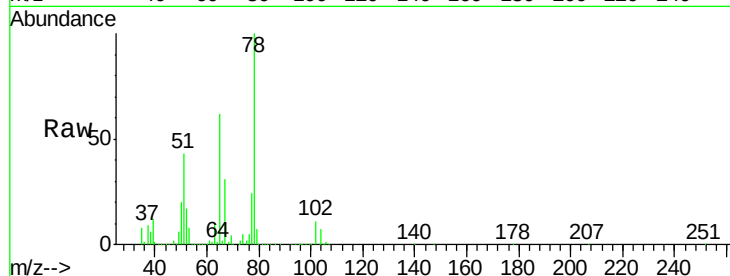
#33
 1,2-Dichloroethane-d4
 Concen: 155.724 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW009036.D
 Acq: 07 Mar 2019 13:03

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	49.6	0.0	103.0	

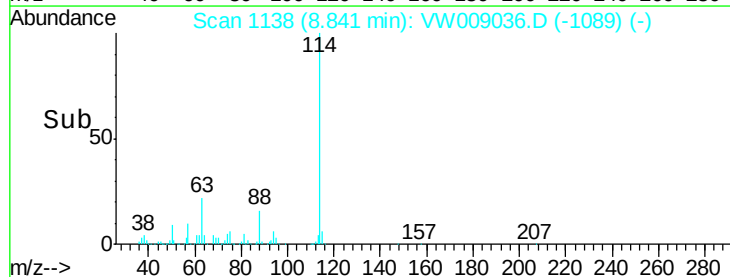
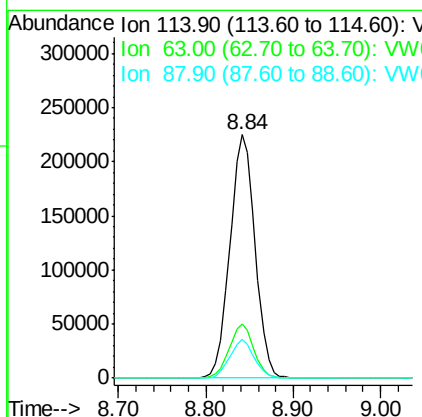
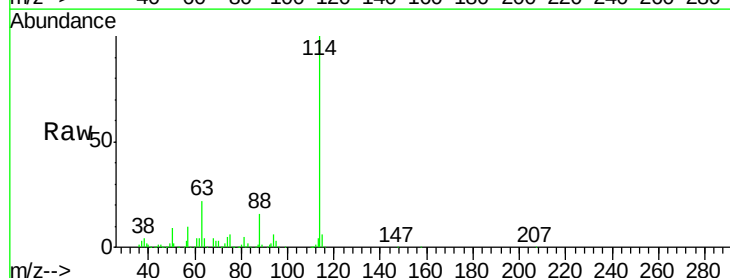
Manual Integrations
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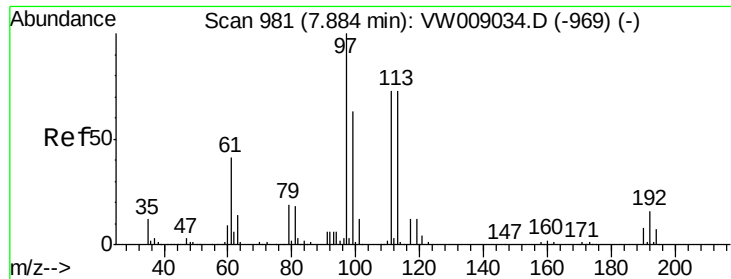
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW009036.D
 Acq: 07 Mar 2019 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.4	0.0	41.2	
88	15.9	0.0	31.2	





#35

Dibromofluoromethane

Concen: 157.065 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW009036.D

Acq: 07 Mar 2019 13:03

Instrument :

MSVOA_W

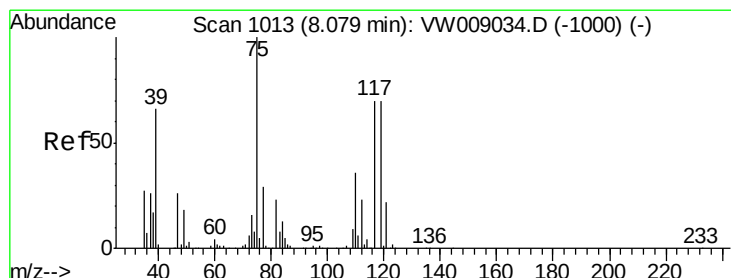
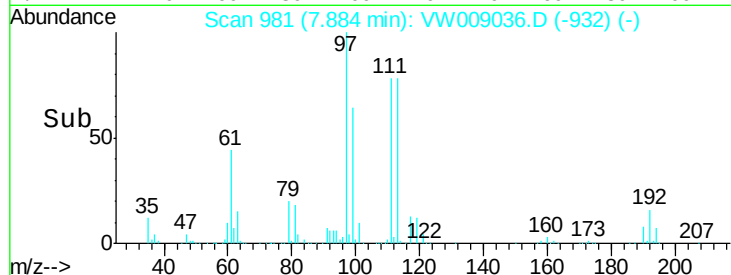
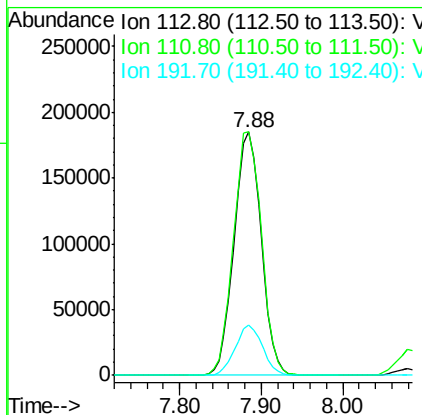
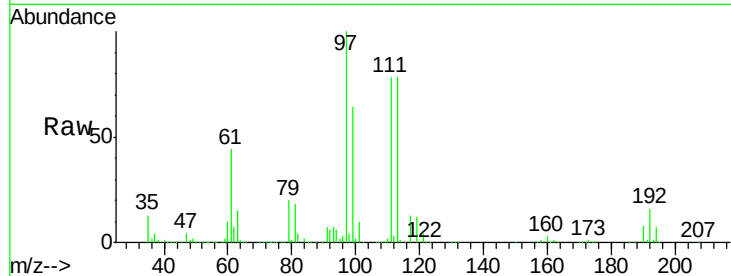
ClientSampled :

VSTDIC150

Tot Ion:	113	Resp:	424907
Ion Ratio	Lower	Upper	
113	100		
111	103.2	81.0	121.4
192	20.8	17.1	25.7

Manual Integrations
APPROVED

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3/8/2019 12:06:48 PM



#36

1,1-Dichloropropene

Concen: 141.853 ug/l

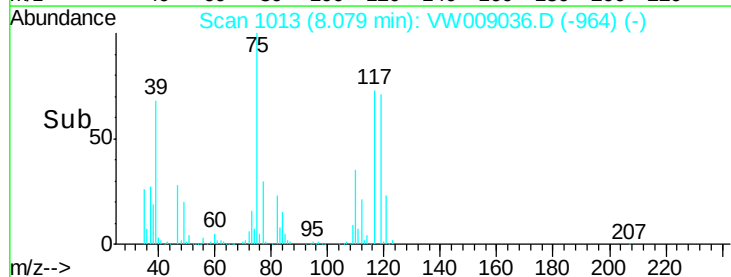
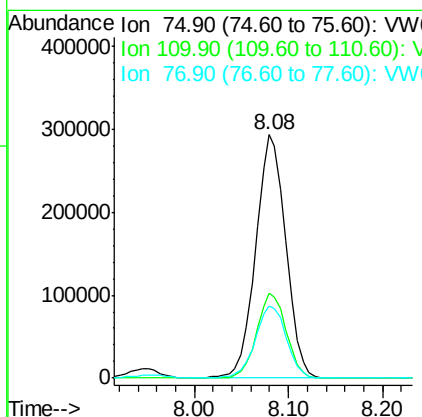
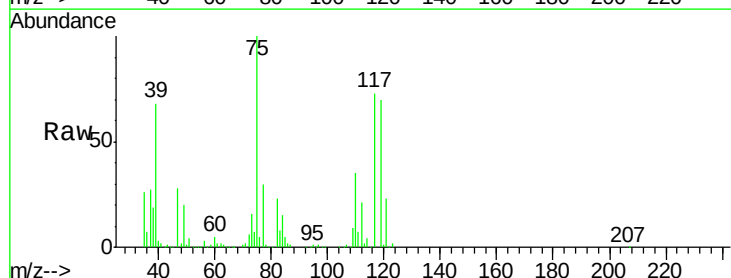
RT: 8.08 min Scan# 1013

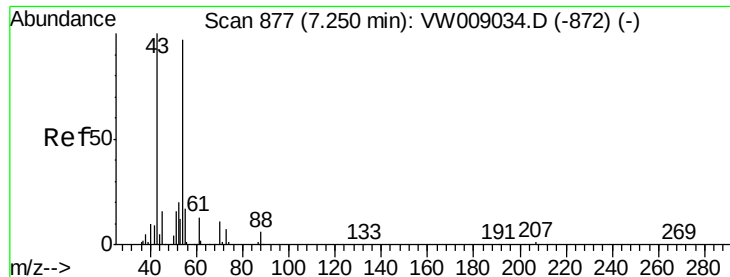
Delta R.T. -0.00 min

Lab File: VW009036.D

Acq: 07 Mar 2019 13:03

Tgt Ion:	75	Resp:	658356
Ion Ratio	Lower	Upper	
75	100		
110	34.3	17.6	52.9
77	30.6	25.1	37.7





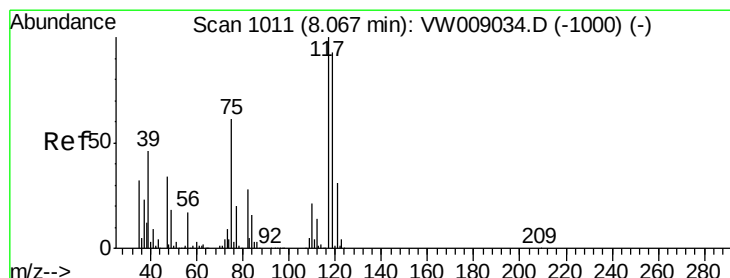
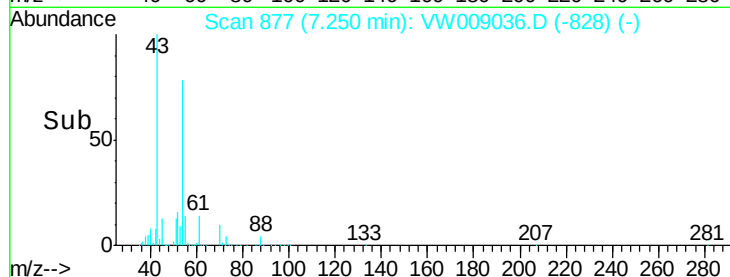
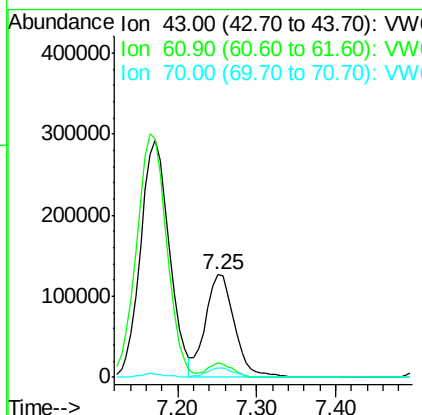
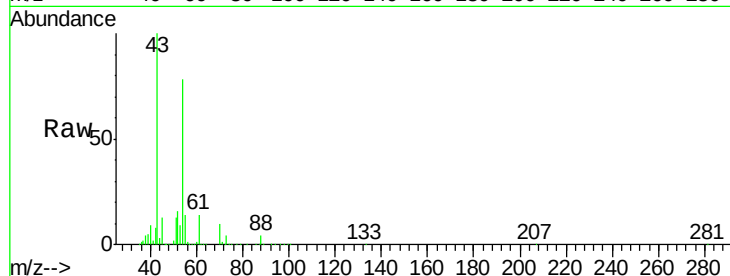
#37
Ethyl Acetate
Concen: 148.942 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW009036.D
Acq: 07 Mar 2019 13:03

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.2	9.8	14.6
70	9.1	7.2	10.8

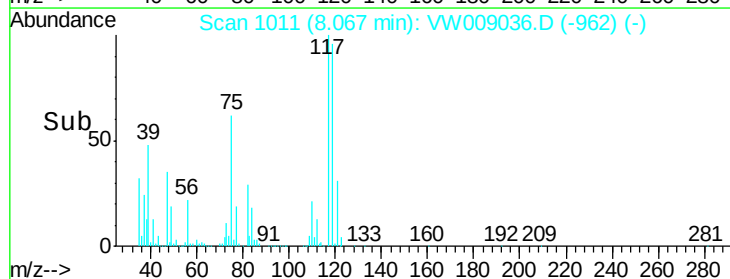
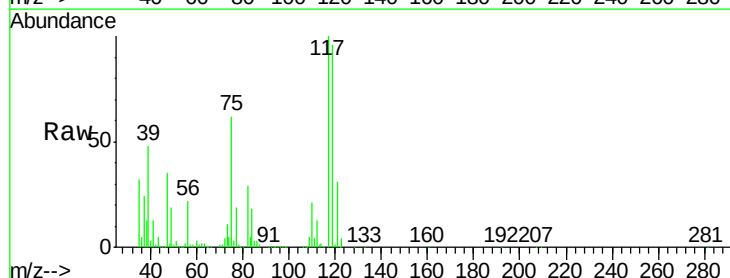
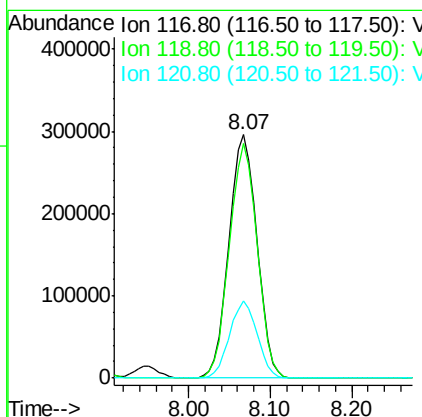
Manual Integrations
APPROVED

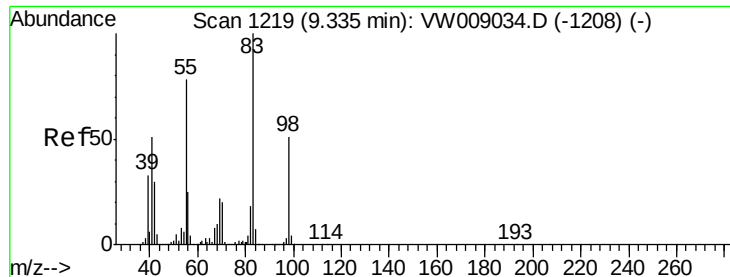
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#38
Carbon Tetrachloride
Concen: 145.870 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW009036.D
Acq: 07 Mar 2019 13:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	74.6	112.0
121	31.5	24.7	37.1





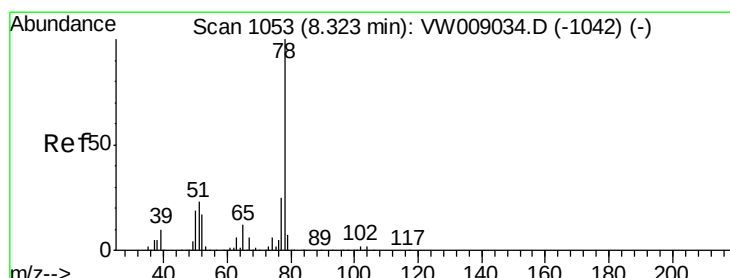
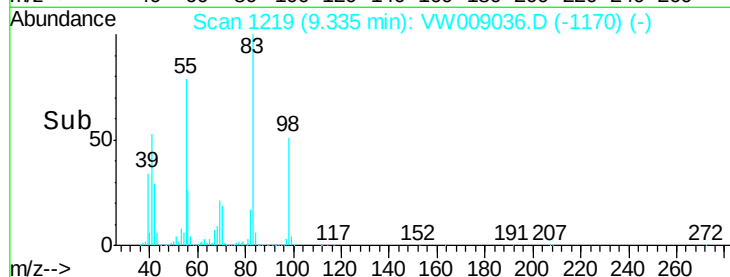
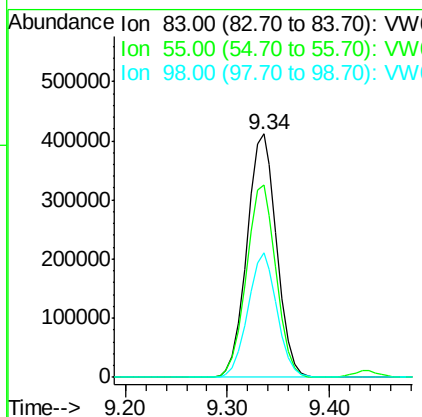
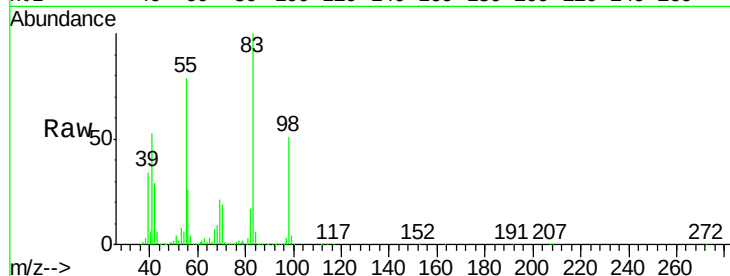
#39
Methylvlcyclohexane
Concen: 149.996 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW009036.D
Acq: 07 Mar 2019 13:03

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion	83	Resp	833780
Ion Ratio	100	Lower	Upper
83	100		
55	78.8	62.7	94.1
98	50.9	40.8	61.2

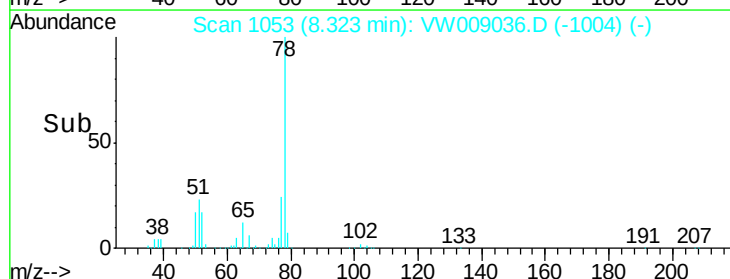
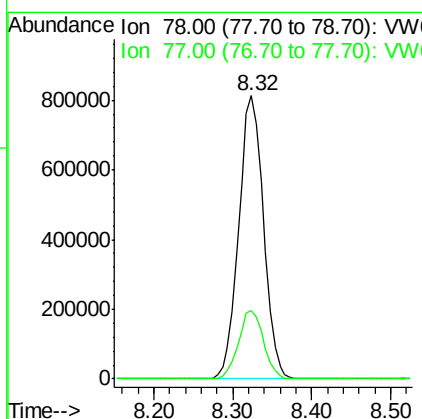
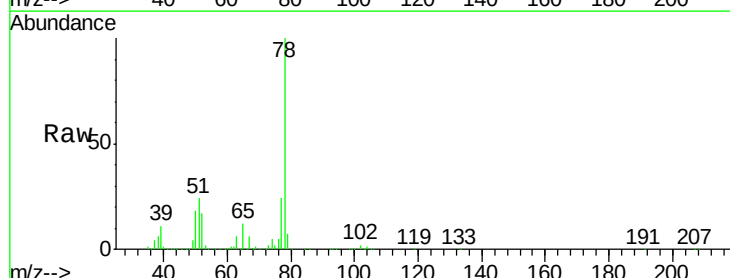
Manual Integrations
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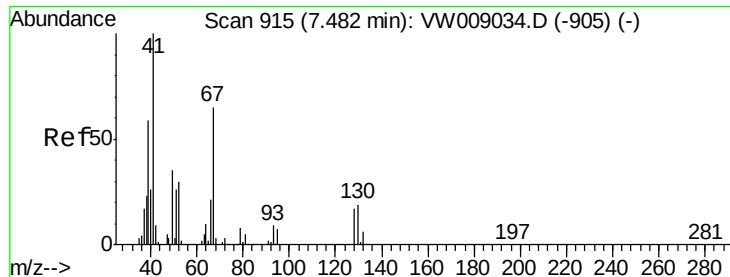
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#40
Benzene
Concen: 143.803 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW009036.D
Acq: 07 Mar 2019 13:03

Tgt Ion	78	Resp	1774573
Ion Ratio	100	Lower	Upper
78	100		
77	24.1	20.2	30.4





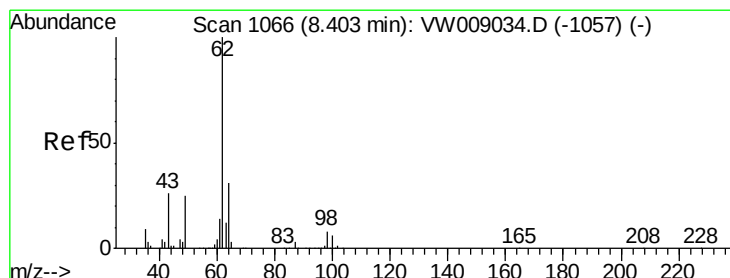
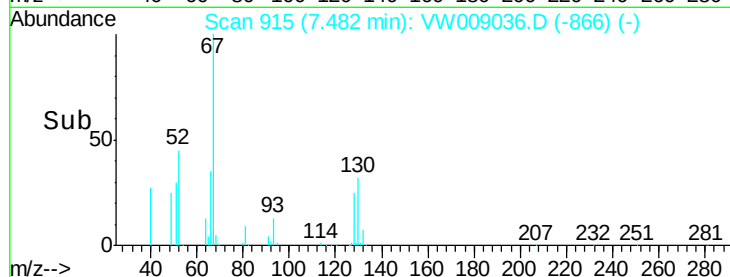
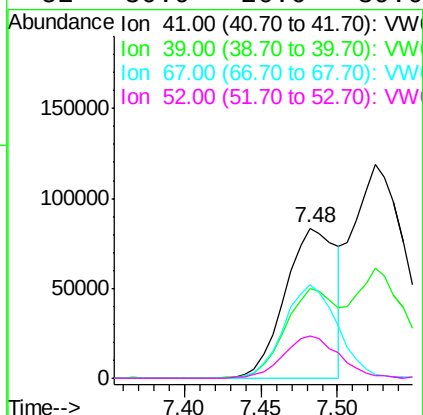
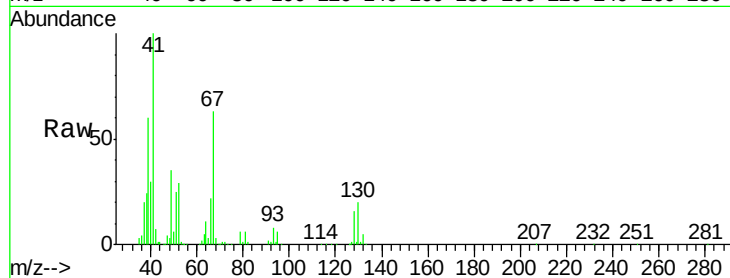
#41
Methacrylonitrile
Concen: 169.706 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW009036.D
Acq: 07 Mar 2019 13:03

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
41	100		
39	58.2	53.6	80.4
67	65.3	57.6	86.4
52	30.9	26.0	39.0

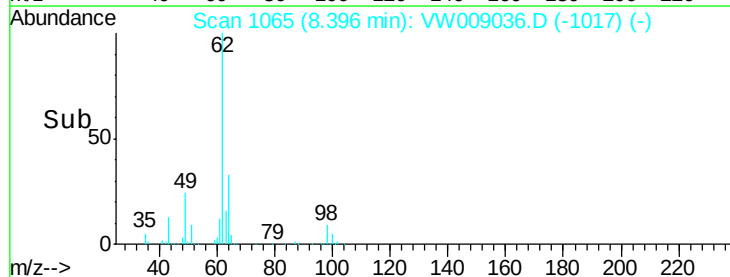
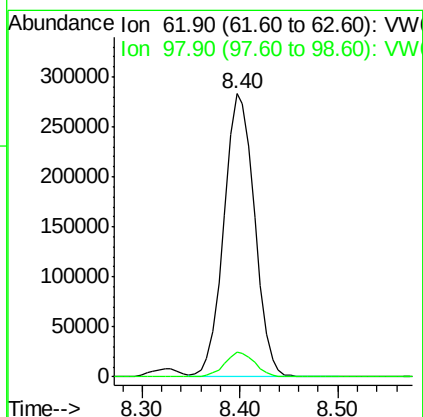
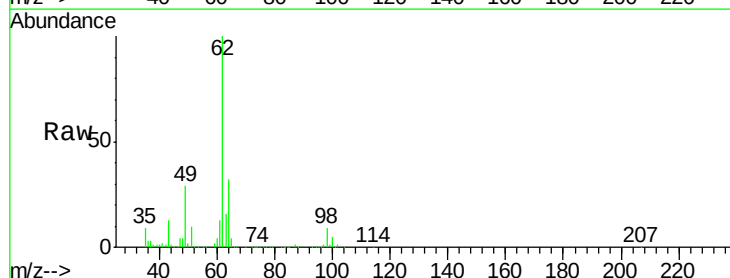
Manual Integrations
APPROVED

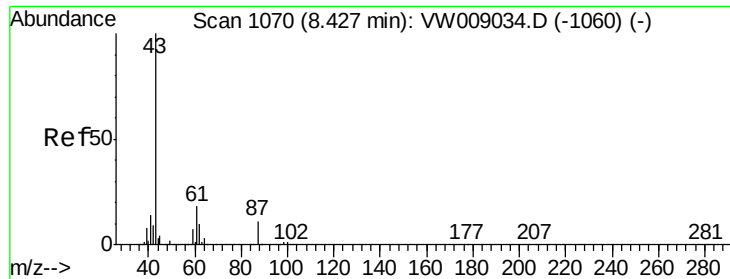
MMDadoda
3/8/2019 12:06:48 PM



#42
1,2-Dichloroethane
Concen: 152.869 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW009036.D
Acq: 07 Mar 2019 13:03

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.6





#43

Isopropyl Acetate

Concen: 156.823 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW009036.D

Acq: 07 Mar 2019 13:03

Instrument :

MSVOA_W

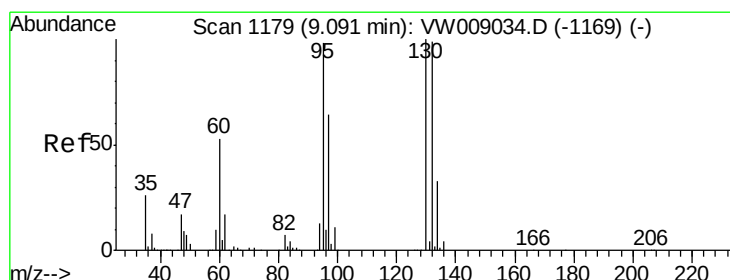
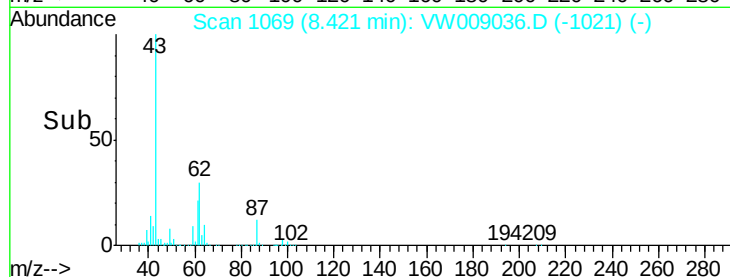
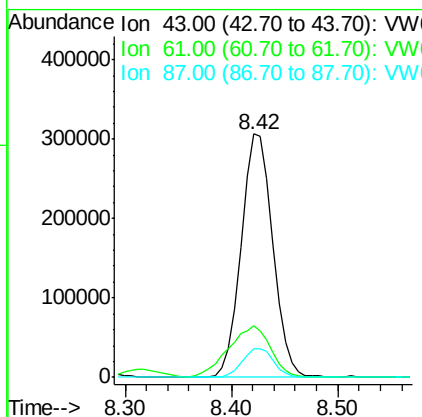
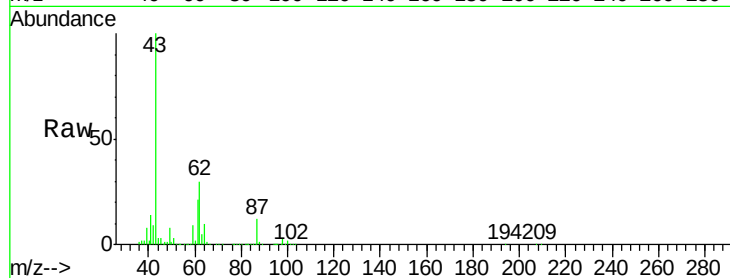
ClientSampleId :

VSTDIC150

Tot Ion:	43	Resp:	639618
Ion	Ratio	Lower	Upper
43	100		
61	28.0	22.8	34.2
87	11.9	9.4	14.2

Manual Integrations
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MMDadoda
3/8/2019 12:06:48 PM



#44

Trichloroethene

Concen: 139.189 ug/l

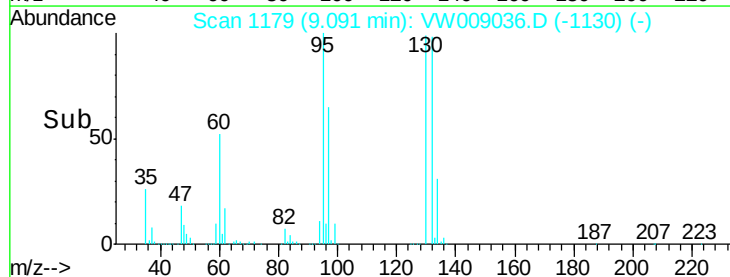
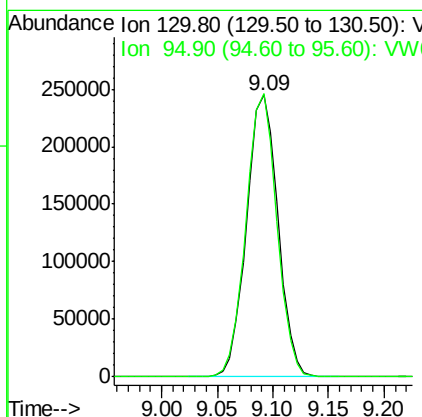
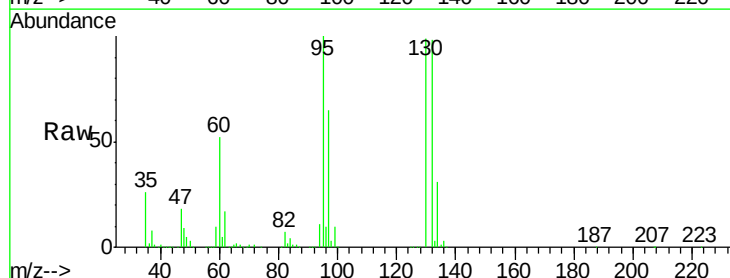
RT: 9.09 min Scan# 1179

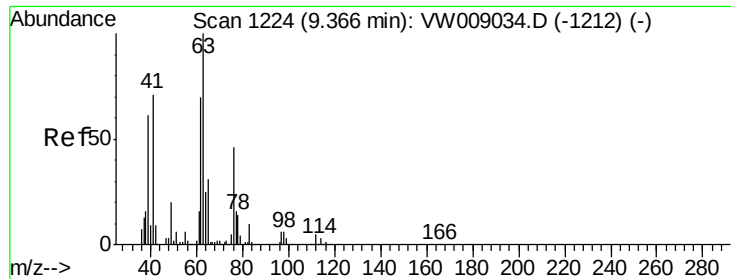
Delta R.T. -0.00 min

Lab File: VW009036.D

Acq: 07 Mar 2019 13:03

Tgt Ion:	130	Resp:	482917
Ion	Ratio	Lower	Upper
130	100		
95	100.5	0.0	197.0





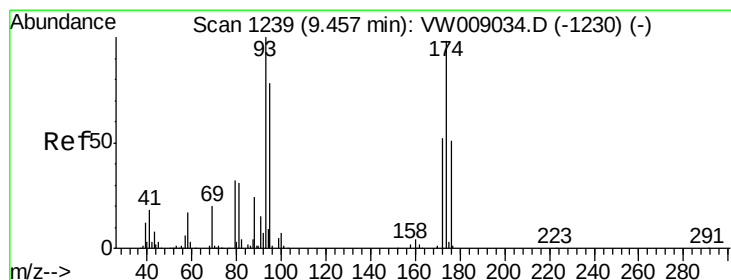
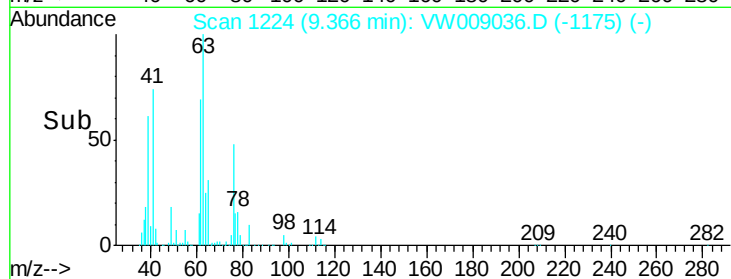
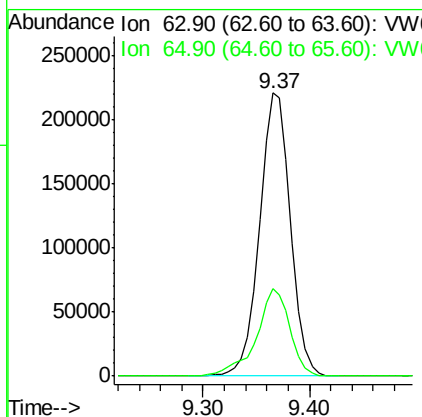
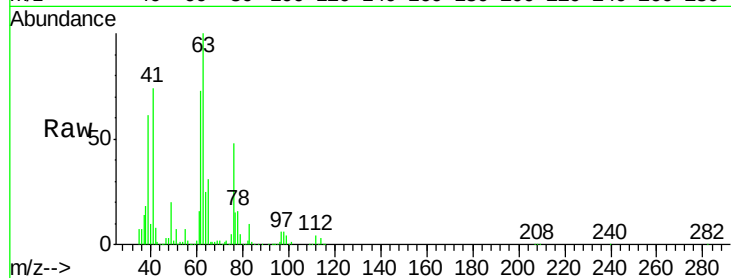
#45
 1,2-Dichloropropane
 Concen: 145.684 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW009036.D
 Acq: 07 Mar 2019 13:03

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.9	37.3

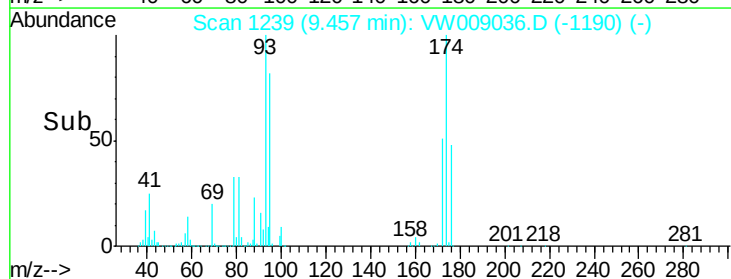
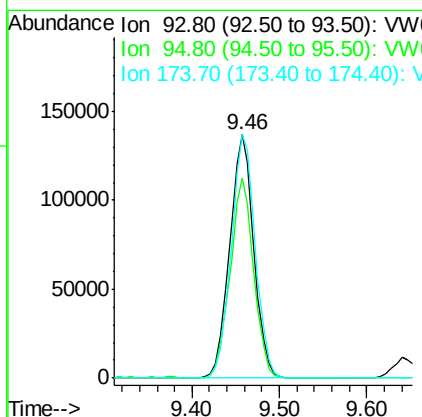
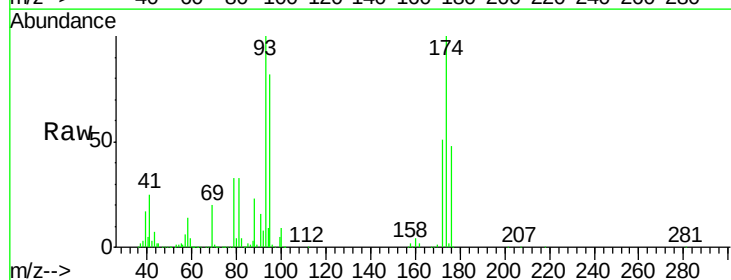
Manual Integrations
 APPROVED

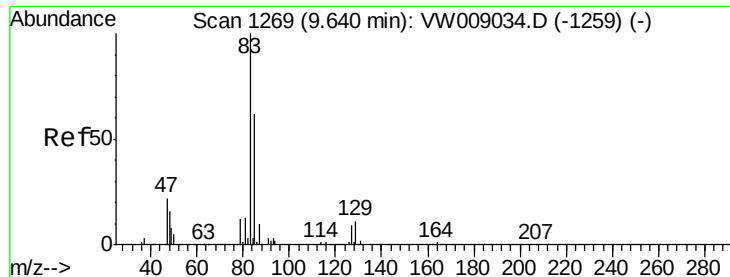
MMDadoda
 3/8/2019 12:06:48 PM



#46
 Dibromomethane
 Concen: 152.807 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW009036.D
 Acq: 07 Mar 2019 13:03

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.8	65.0	97.6
174	100.5	81.8	122.6





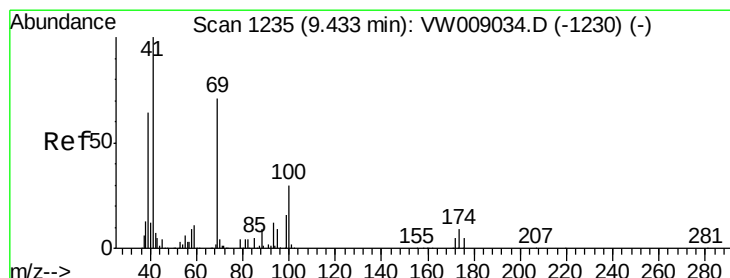
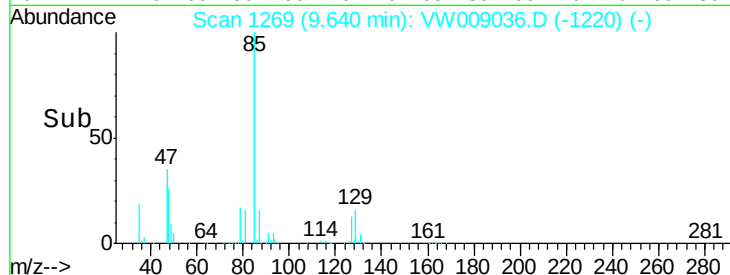
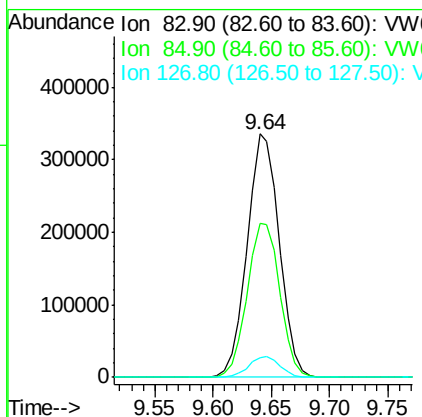
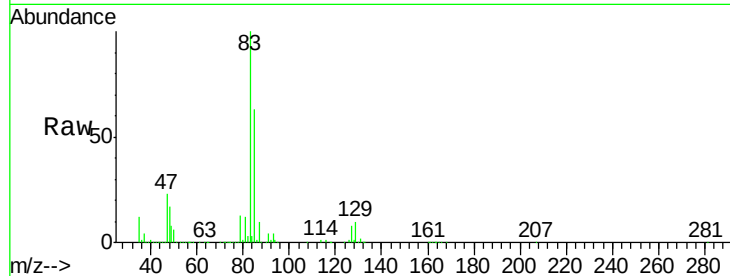
#47
Bromodichloromethane
Concen: 150.431 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW009036.D
Acq: 07 Mar 2019 13:03

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
83	100	646491		
85	63.2	49.9	74.9	
127	8.2	7.1	10.7	

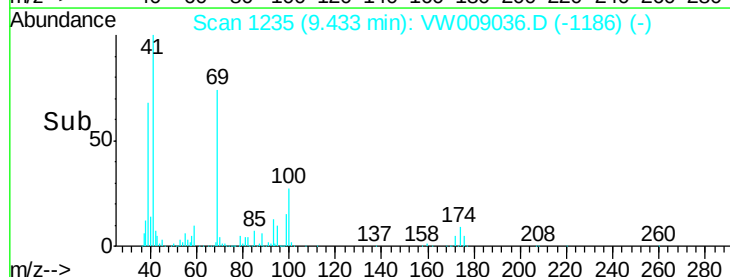
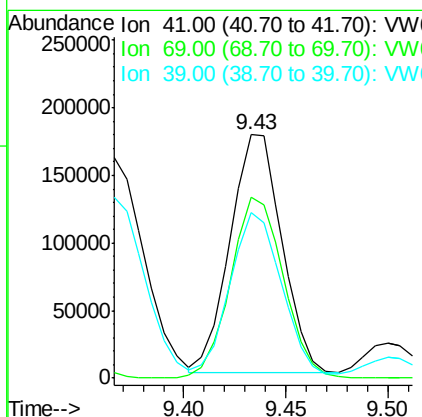
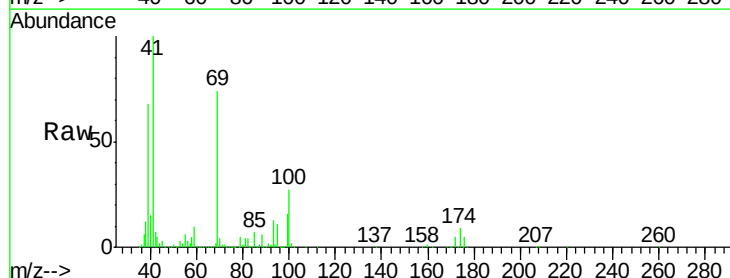
Manual Integrations
APPROVED

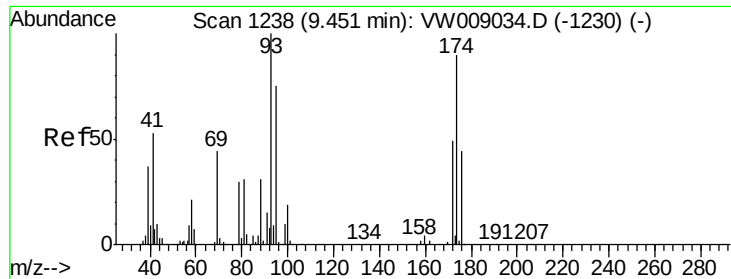
MMDadoda
3/8/2019 12:06:48 PM



#48
Methyl methacrylate
Concen: 160.529 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW009036.D
Acq: 07 Mar 2019 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	308730		
69	78.0	59.1	88.7	
39	67.0	48.9	73.3	





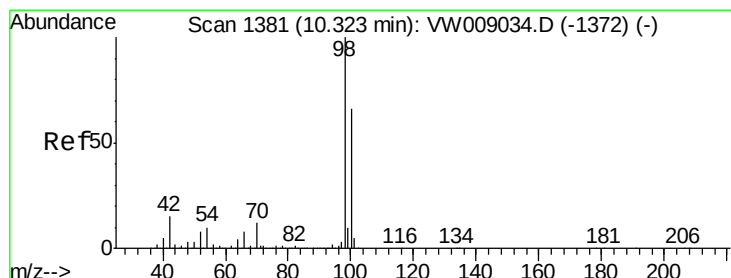
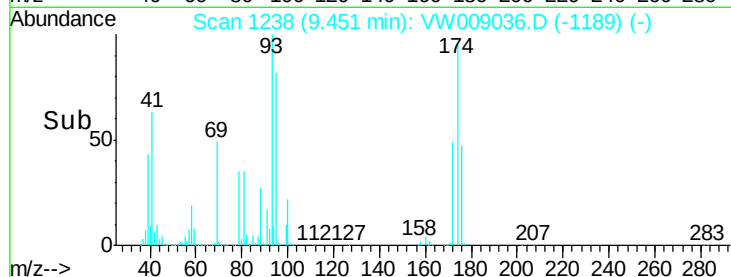
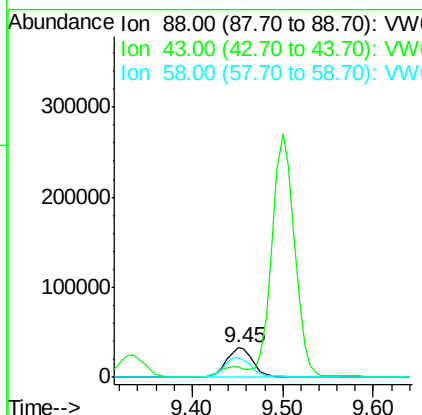
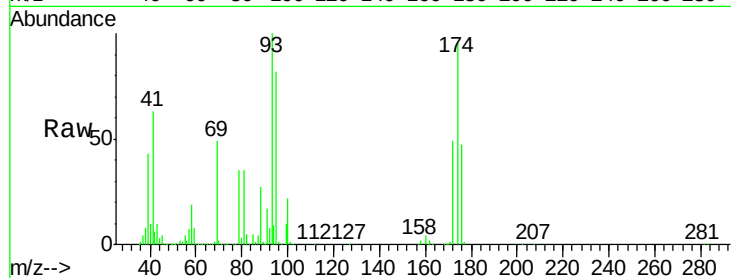
#49
1,4-Dioxane
Concen: 2631.083 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. -0.00 min
Lab File: VW009036.D
Acq: 07 Mar 2019 13:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	88	Resp	65860
Ion	Ratio	Lower	Upper
88	100		
43	37.9	29.0	43.4
58	74.1	59.2	88.8

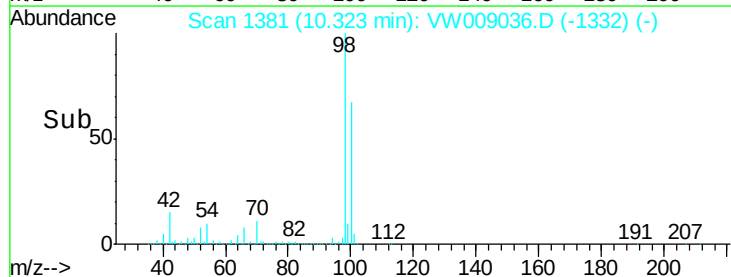
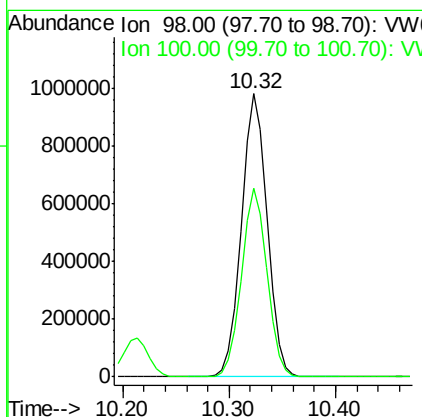
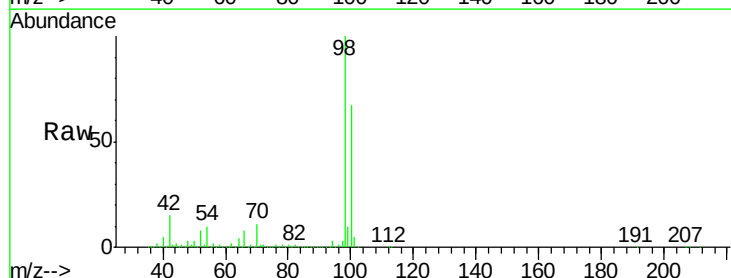
Manual Integrations
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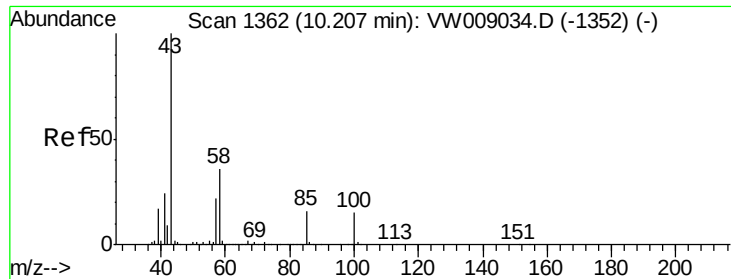
MMDadoda
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#50
Toluene-d8
Concen: 148.824 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW009036.D
Acq: 07 Mar 2019 13:03

Tgt Ion	98	Resp	1665032
Ion	Ratio	Lower	Upper
98	100		
100	66.1	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 785.700 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW009036.D

Acq: 07 Mar 2019 13:03

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion: 43 Resp: 1633308

Ion Ratio Lower Upper

43 100

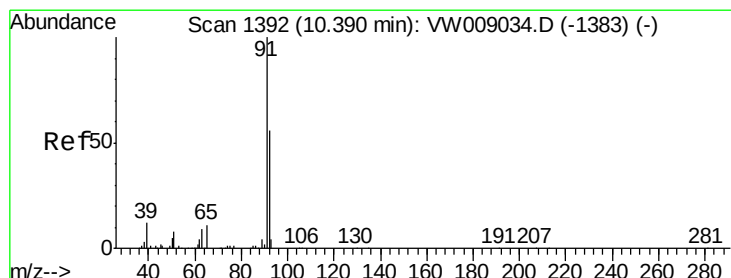
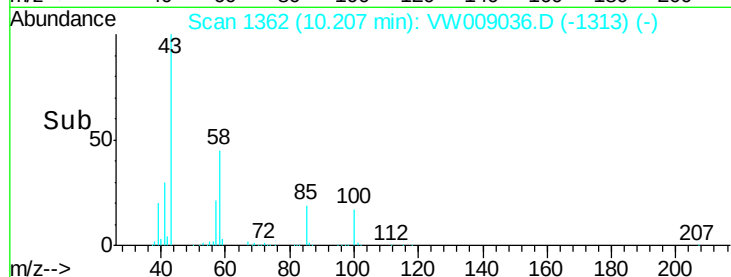
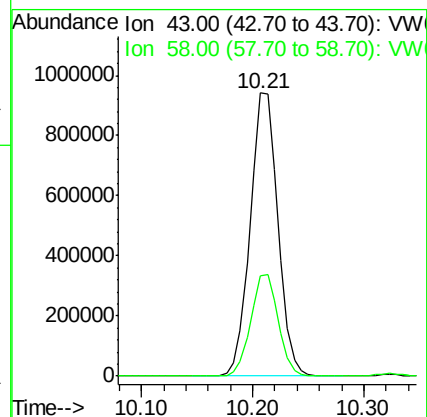
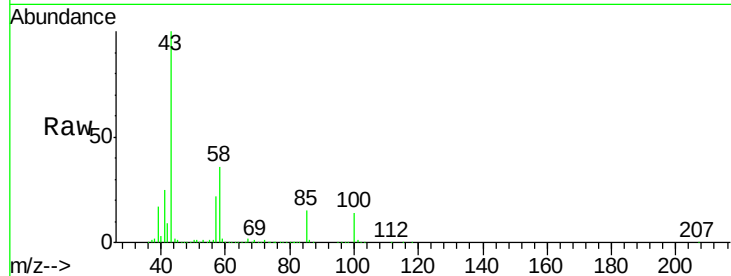
58 35.8 28.8 43.2

Manual Integrations

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MMDadoda

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#52

Toluene

Concen: 148.434 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW009036.D

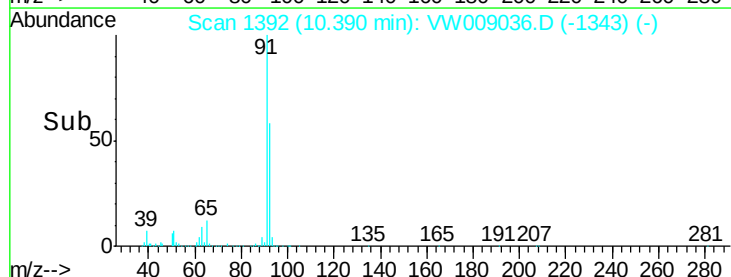
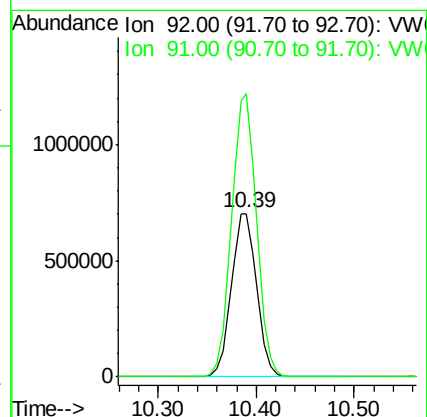
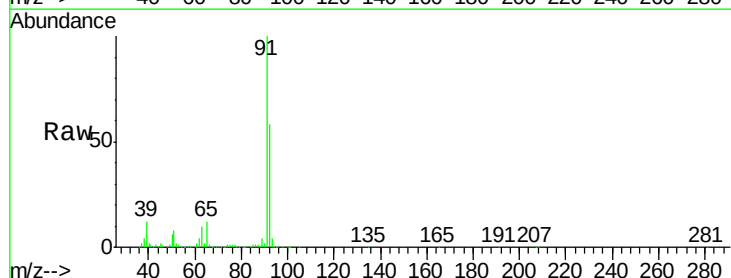
Acq: 07 Mar 2019 13:03

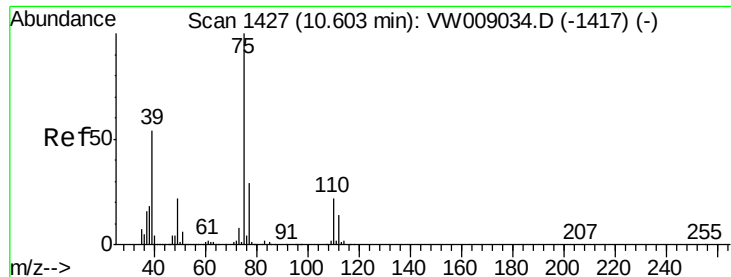
Tgt Ion: 92 Resp: 1249341

Ion Ratio Lower Upper

92 100

91 171.6 139.9 209.9





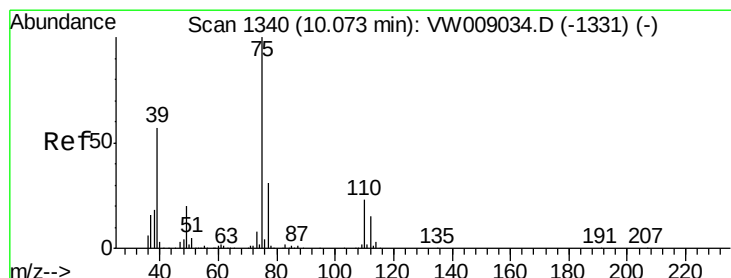
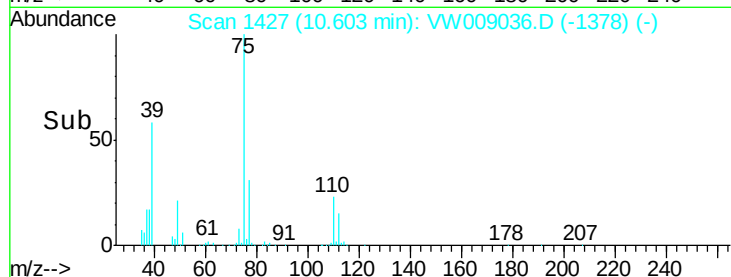
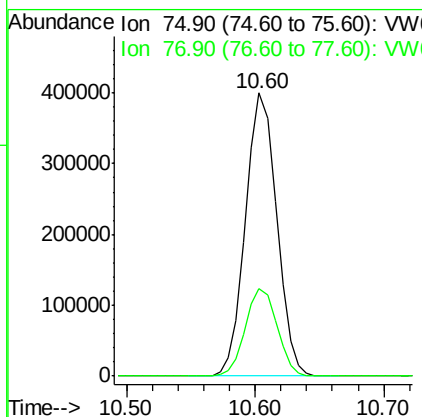
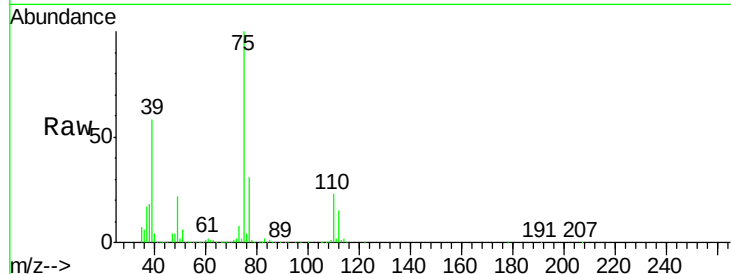
#53
t-1,3-Dichloropropene
Concen: 156.604 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW009036.D
Acq: 07 Mar 2019 13:03

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.8	23.6	35.4

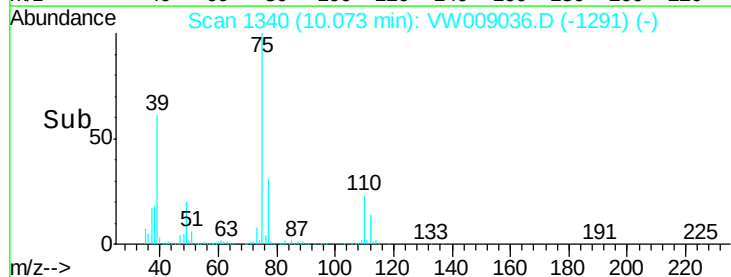
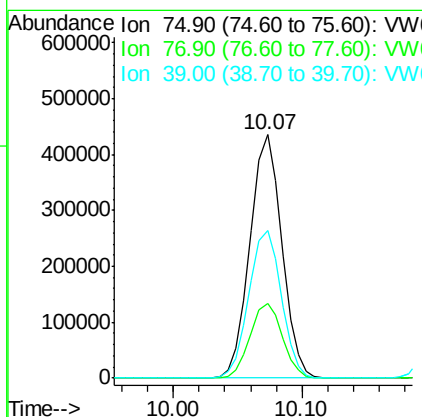
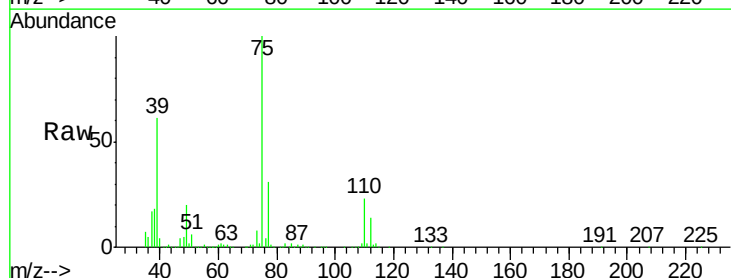
Manual Integrations
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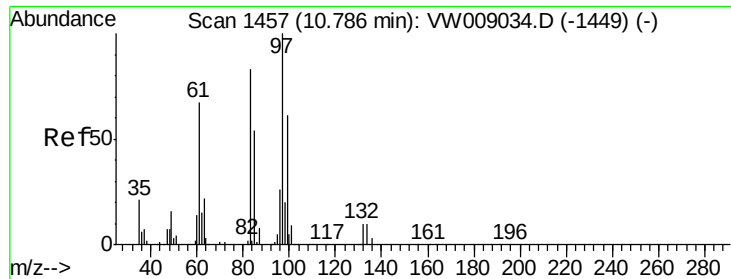
MMDadoda
3/8/2019 12:06:48 PM



#54
cis-1,3-Dichloropropene
Concen: 152.497 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW009036.D
Acq: 07 Mar 2019 13:03

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.9	24.6	36.8
39	60.5	45.9	68.9





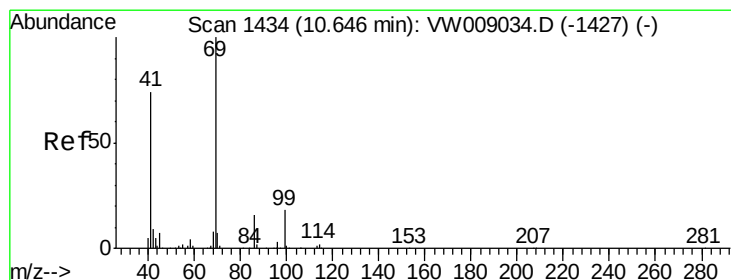
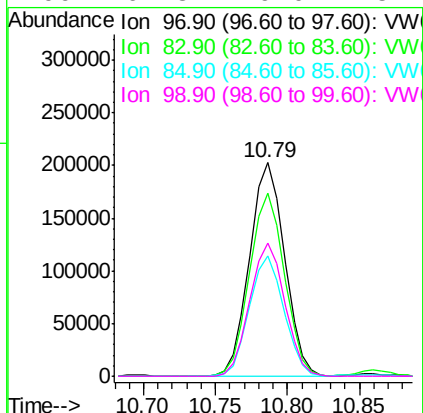
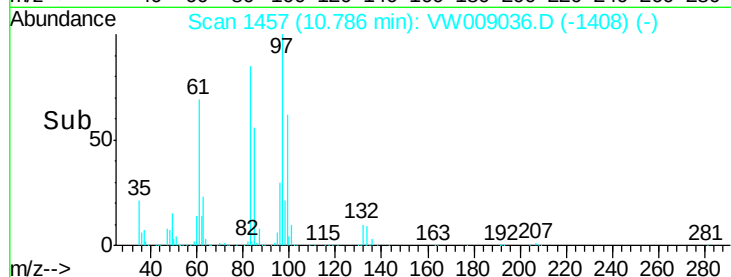
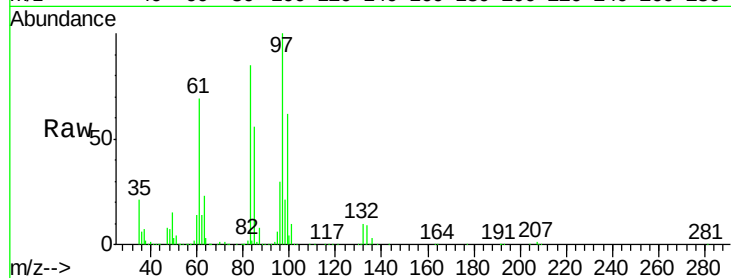
#55
 1,1,2-Trichloroethane
 Concen: 147.560 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW009036.D
 Acq: 07 Mar 2019 13:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	340936
Ion	Ratio	Lower	Upper
97	100		
83	85.6	66.2	99.2
85	56.3	43.6	65.4
99	62.3	49.0	73.4

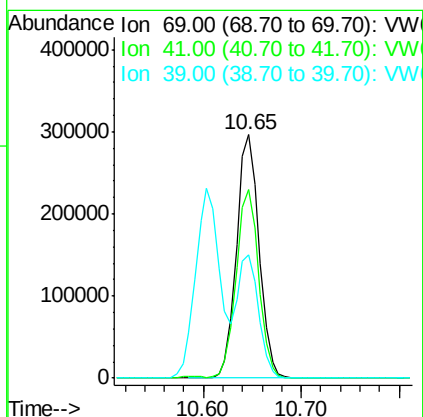
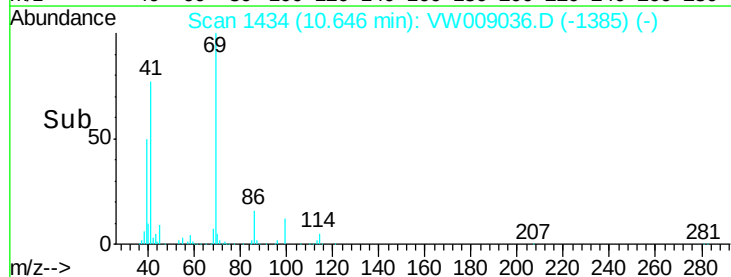
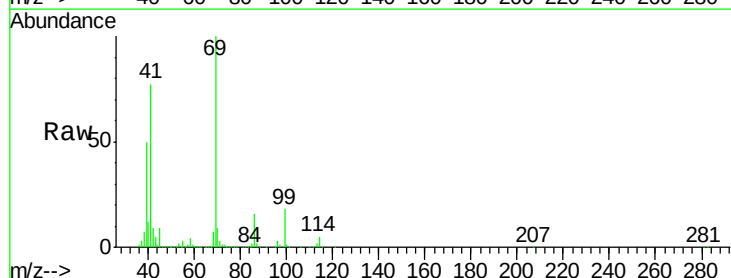
Manual Integrations
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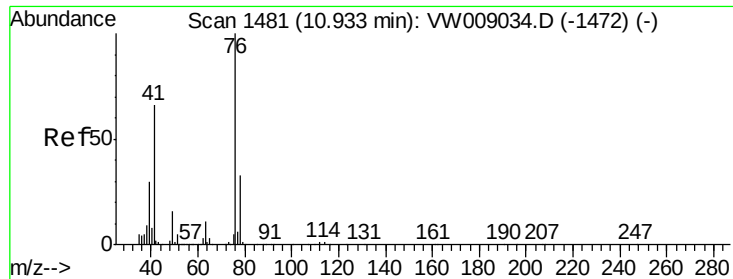
MMDadoda
 3/8/2019 12:06:48 PM



#56
 Ethyl methacrylate
 Concen: 163.711 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW009036.D
 Acq: 07 Mar 2019 13:03

Tgt Ion:	69	Resp:	474300
Ion	Ratio	Lower	Upper
69	100		
41	77.3	59.4	89.2
39	47.3	38.5	57.7





#57

1,3-Dichloropropane

Concen: 147.104 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW009036.D

Acq: 07 Mar 2019 13:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 603385

Ion Ratio Lower Upper

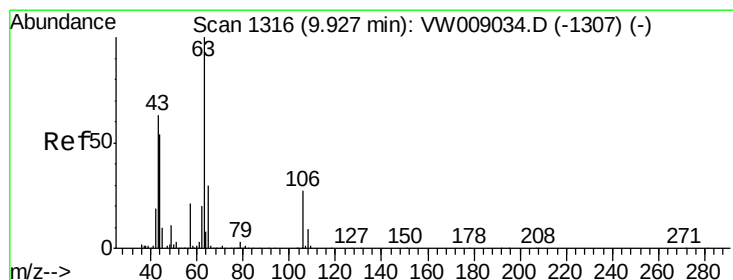
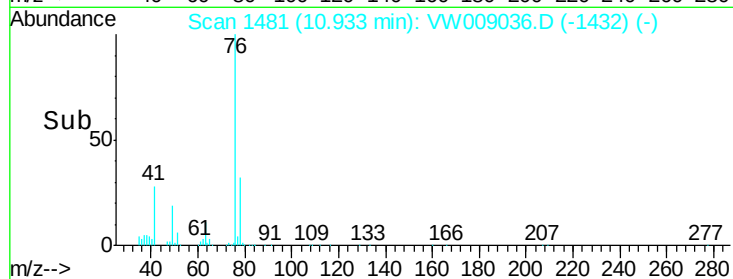
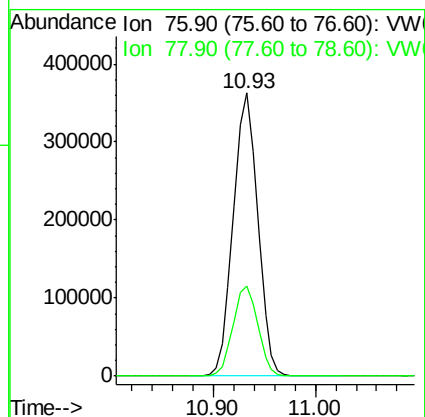
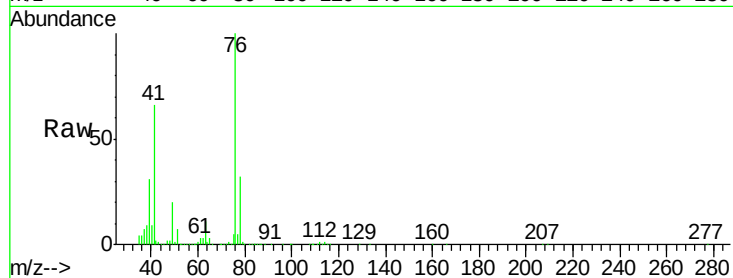
76 100

78 32.3 25.7 38.5

Manual Integrations
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MMDadoda

3/8/2019 12:06:48 PM



#58

2-Chloroethyl Vinyl ether

Concen: 784.396 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VW009036.D

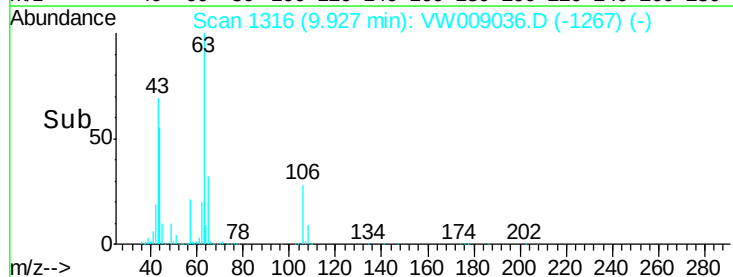
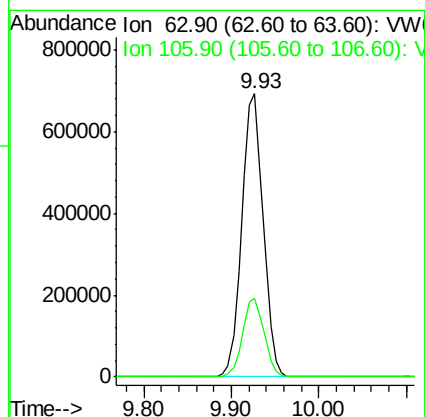
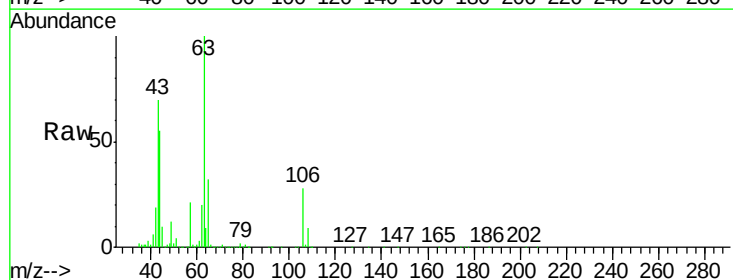
Acq: 07 Mar 2019 13:03

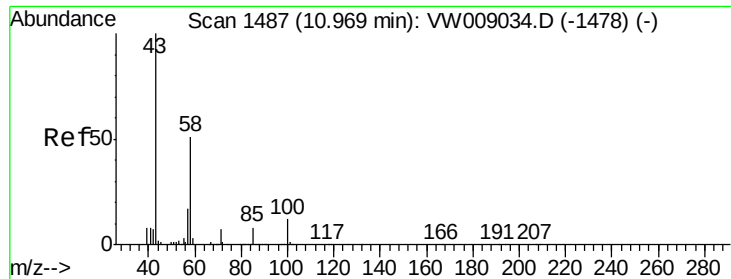
Tgt Ion: 63 Resp: 1180793

Ion Ratio Lower Upper

63 100

106 27.9 23.0 34.6





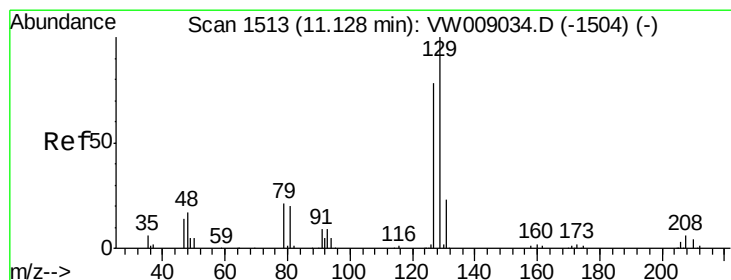
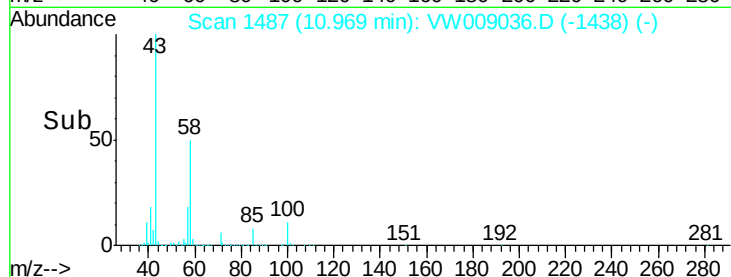
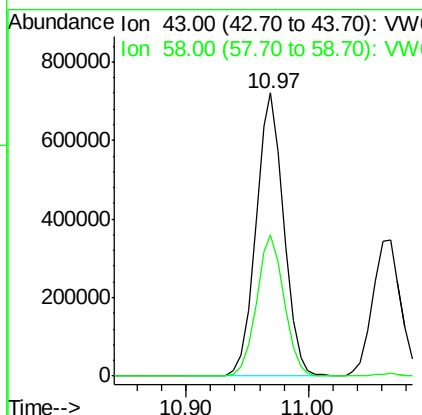
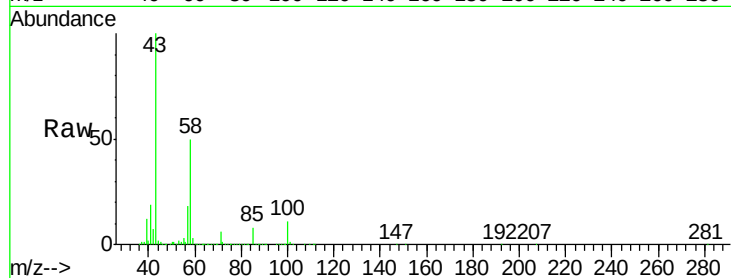
#59
2-Hexanone
Concen: 774.692 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW009036.D
Acq: 07 Mar 2019 13:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1136948
Ion Ratio Lower Upper
43 100
58 49.7 25.3 75.9

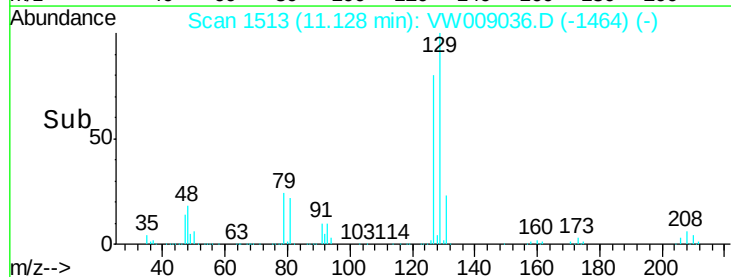
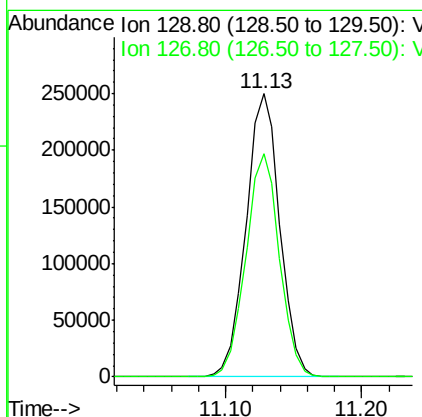
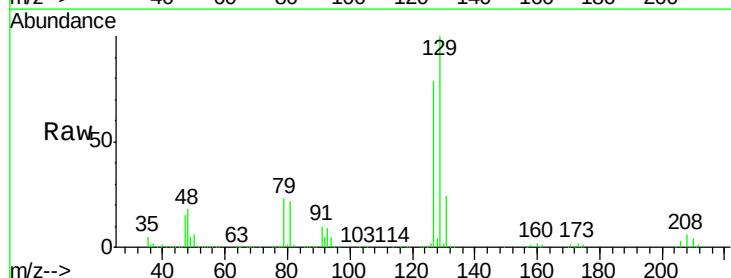
Manual Integrations
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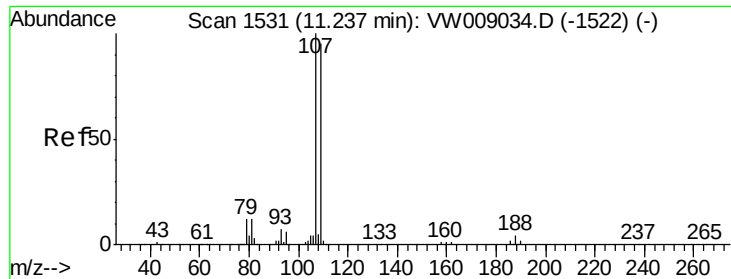
MMDadoda
3/8/2019 12:06:48 PM



#60
Dibromochloromethane
Concen: 152.507 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW009036.D
Acq: 07 Mar 2019 13:03

Tgt Ion: 129 Resp: 432925
Ion Ratio Lower Upper
129 100
127 78.6 38.4 115.1





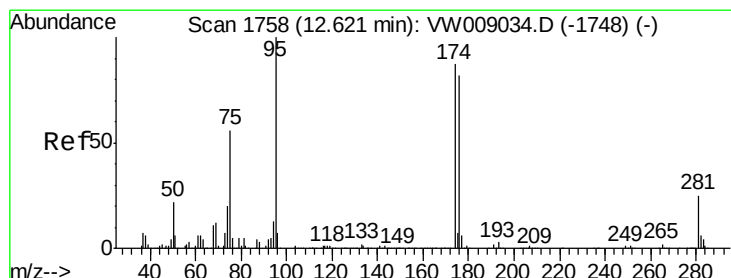
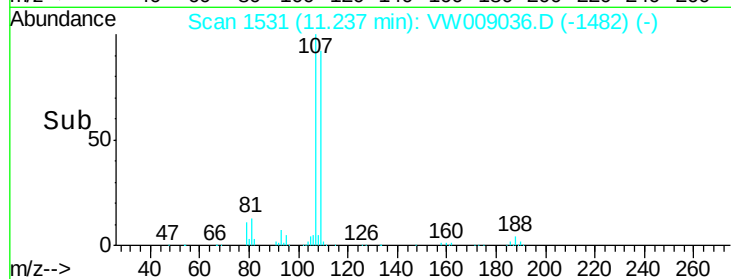
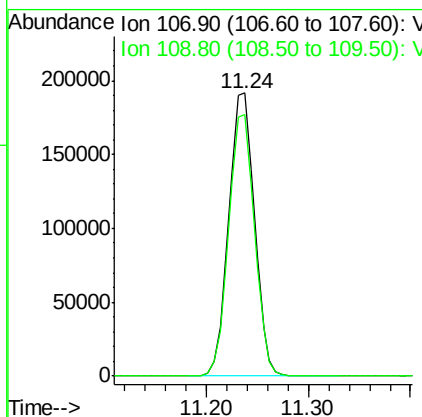
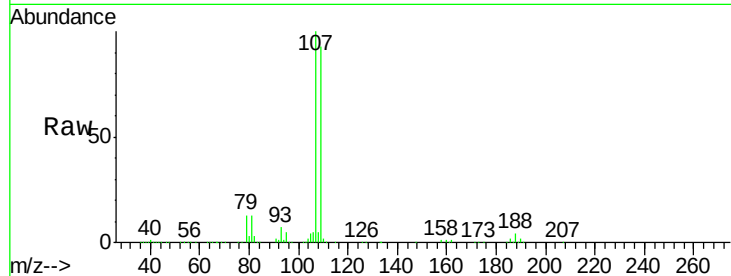
#61
 1,2-Dibromoethane
 Concen: 148.913 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW009036.D
 Acq: 07 Mar 2019 13:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.9	74.7	112.1

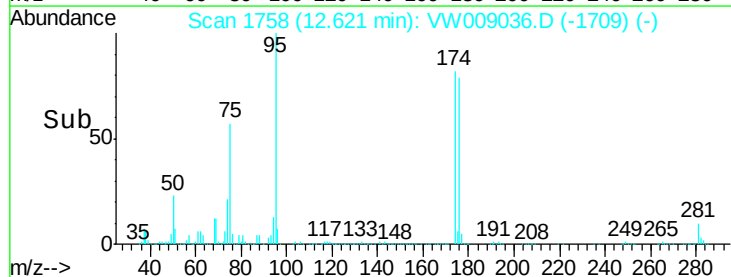
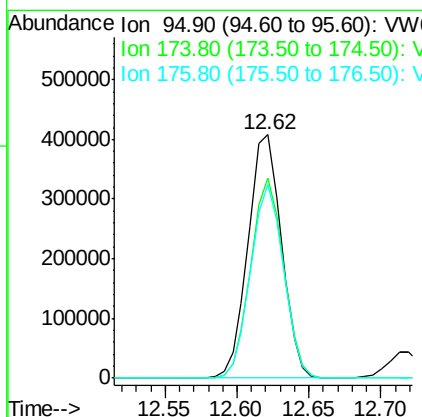
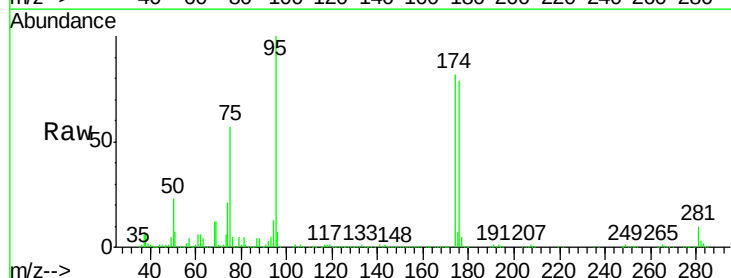
Manual Integrations
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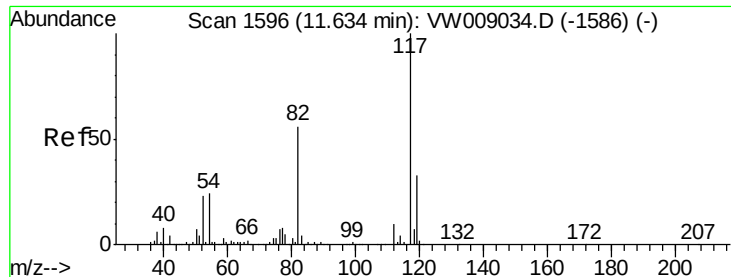
MMDadoda
 3/8/2019 12:06:48 PM



#62
 4-Bromofluorobenzene
 Concen: 148.782 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW009036.D
 Acq: 07 Mar 2019 13:03

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.7	0.0	167.0
176	77.8	0.0	159.4





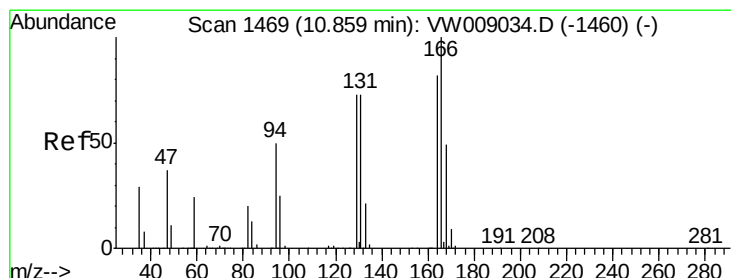
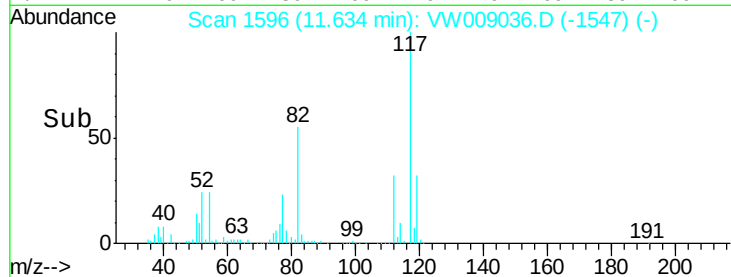
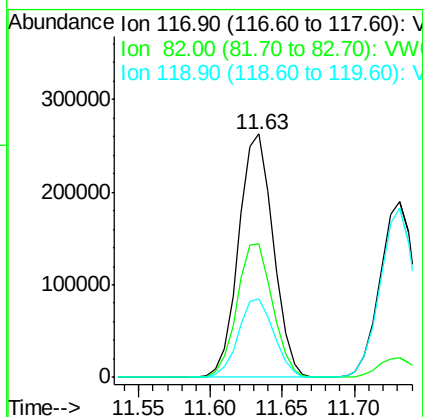
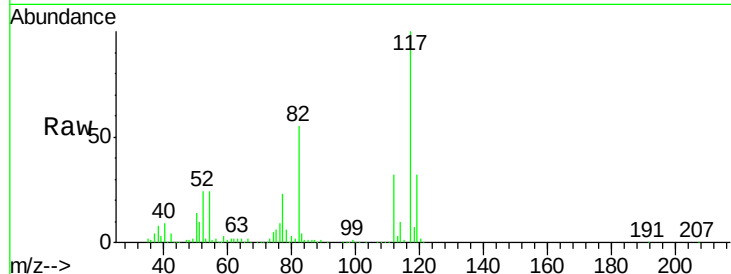
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW009036.D
Acq: 07 Mar 2019 13:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	439815		
82	54.7	45.0	67.6	
119	32.1	26.6	39.8	

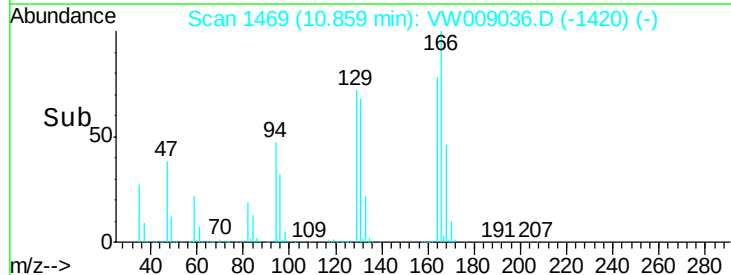
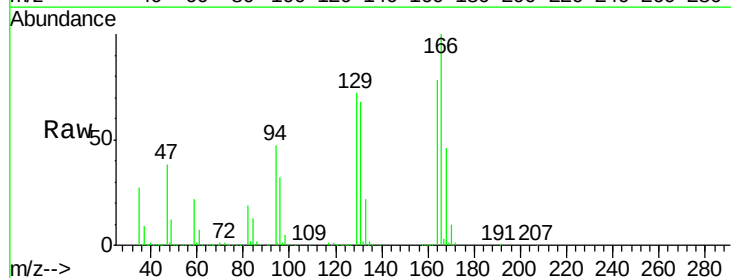
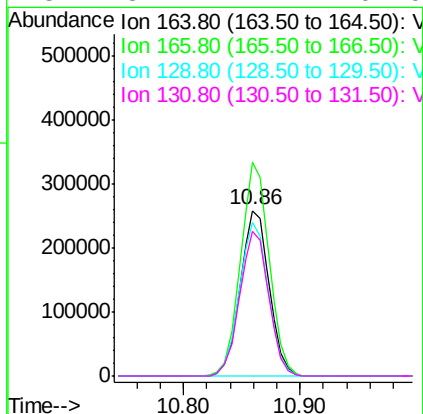
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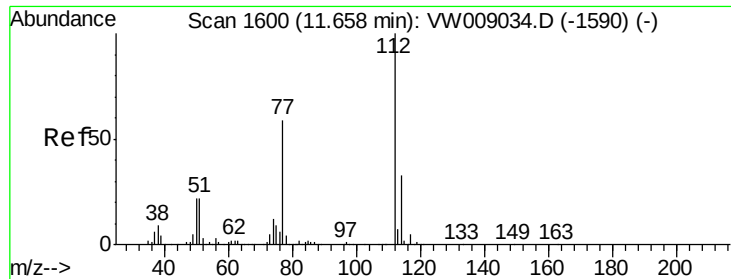
MMDadoda
3/8/2019 12:06:48 PM



#64
Tetrachloroethene
Concen: 139.603 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW009036.D
Acq: 07 Mar 2019 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	445764		
166	128.9	97.8	146.6	
129	92.6	71.6	107.4	
131	87.1	71.4	107.0	





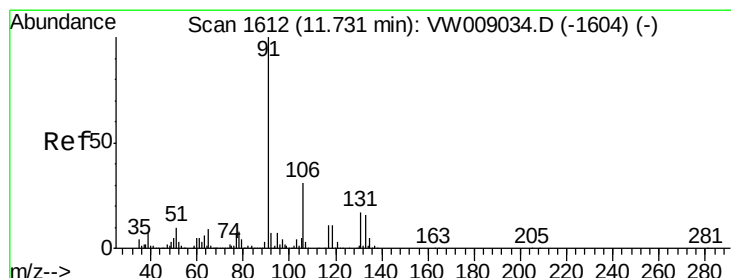
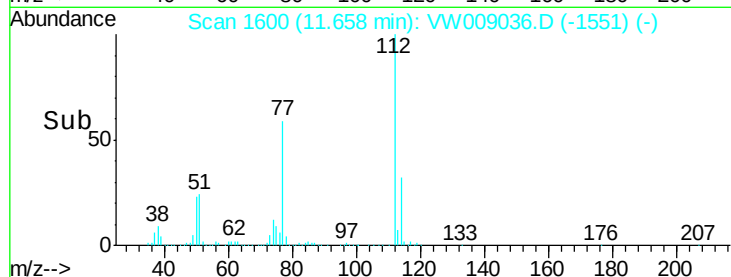
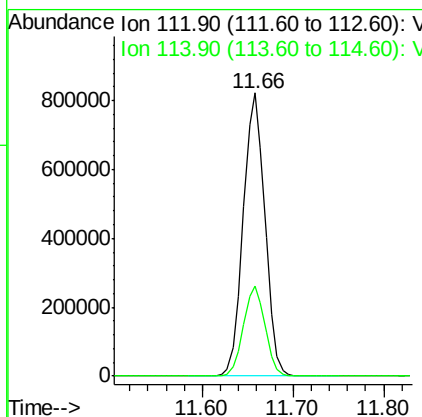
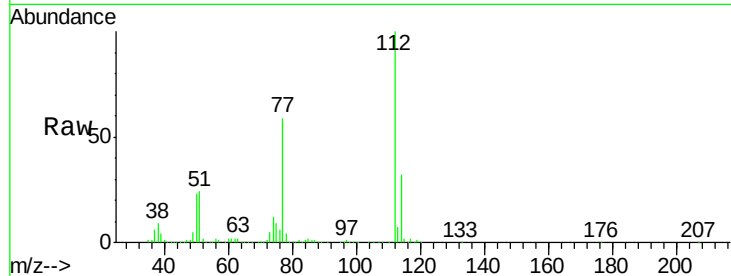
#65
Chlorobenzene
Concen: 143.145 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW009036.D
Acq: 07 Mar 2019 13:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 1356296
Ion Ratio Lower Upper
112 100
114 31.7 26.6 40.0

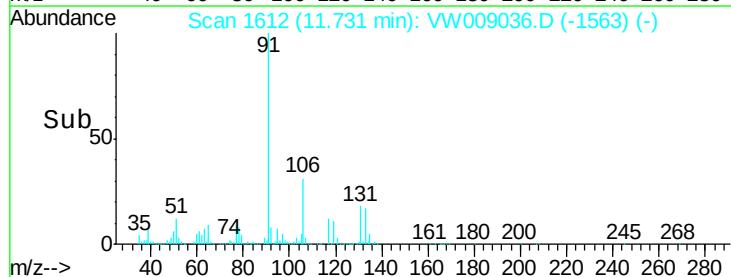
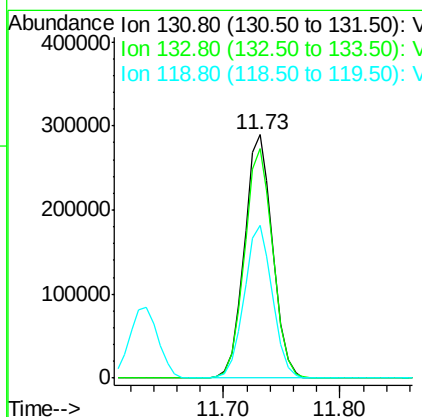
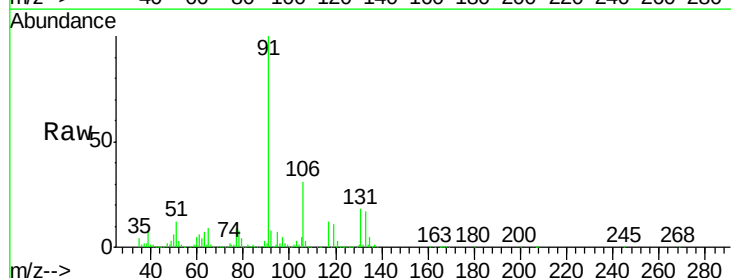
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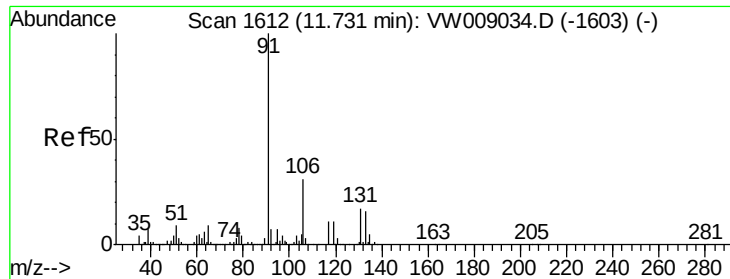
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 153.630 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW009036.D
Acq: 07 Mar 2019 13:03

Tgt Ion:131 Resp: 485302
Ion Ratio Lower Upper
131 100
133 94.8 47.6 142.8
119 62.8 31.3 93.8





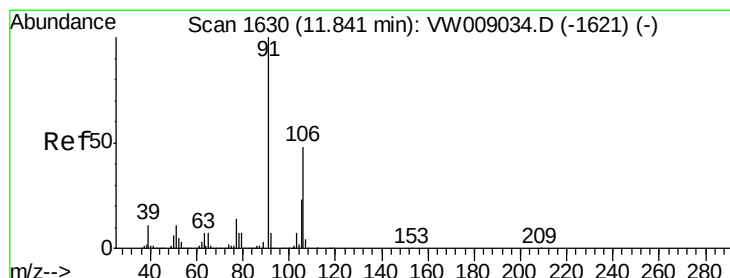
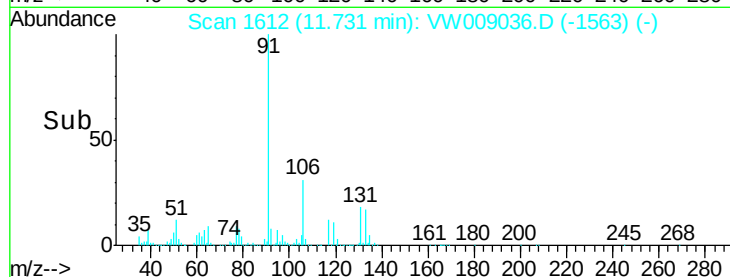
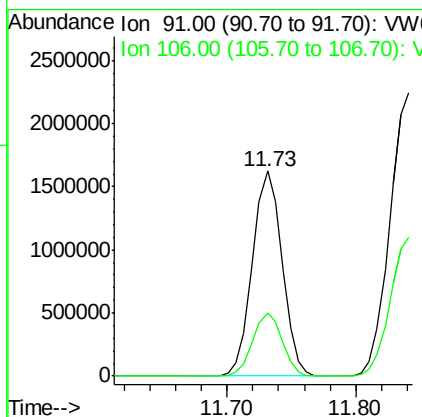
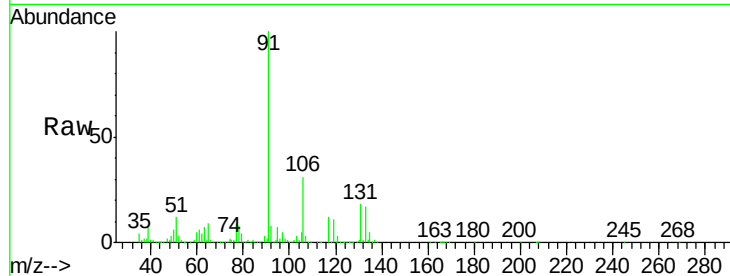
#67
Ethyl Benzene
Concen: 151.708 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW009036.D
Acq: 07 Mar 2019 13:03

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion: 91 Resp: 2582680
Ion Ratio Lower Upper
91 100
106 30.7 25.0 37.4

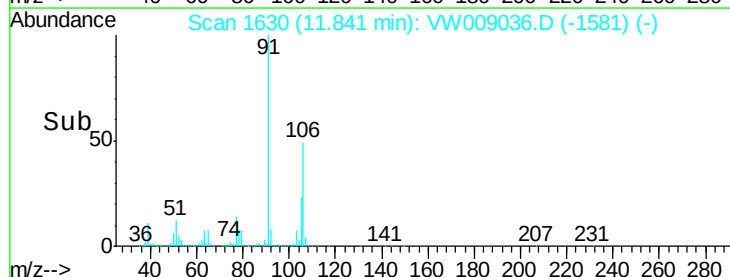
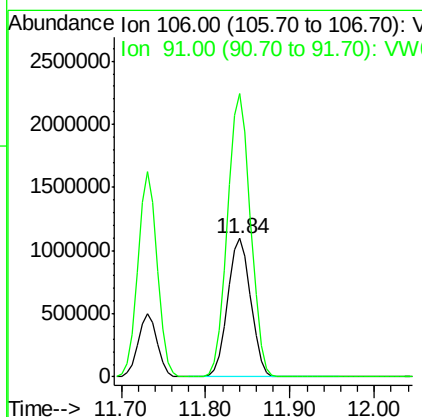
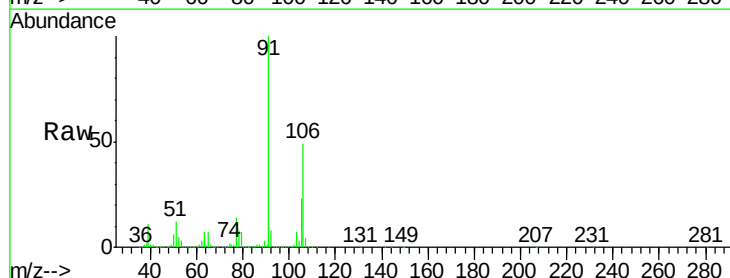
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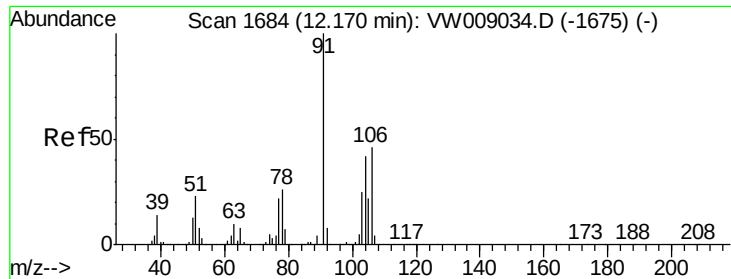
MMDadoda
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#68
m/p-Xylenes
Concen: 303.534 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW009036.D
Acq: 07 Mar 2019 13:03

Tgt Ion: 106 Resp: 2042232
Ion Ratio Lower Upper
106 100
91 204.2 163.2 244.8





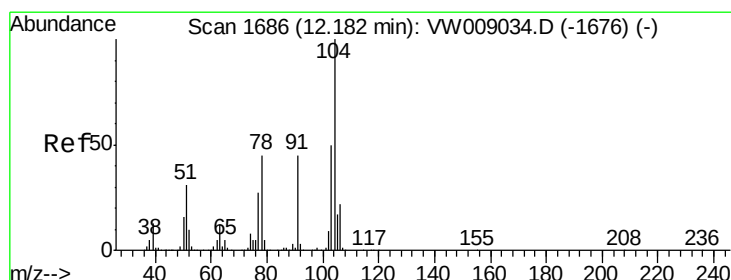
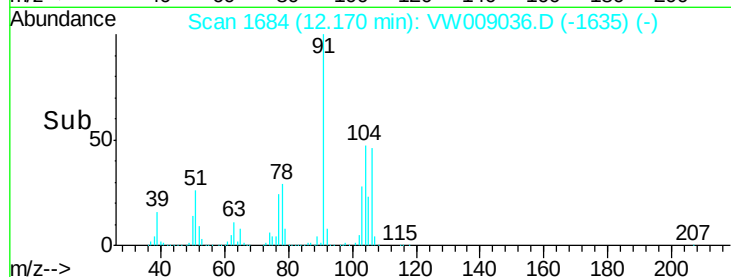
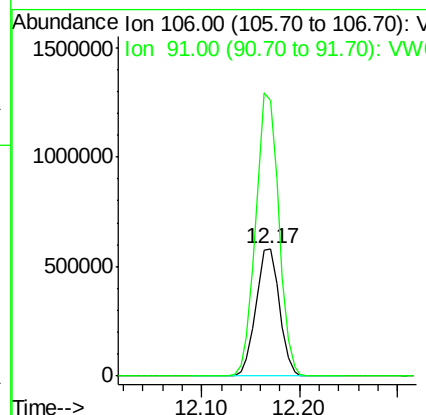
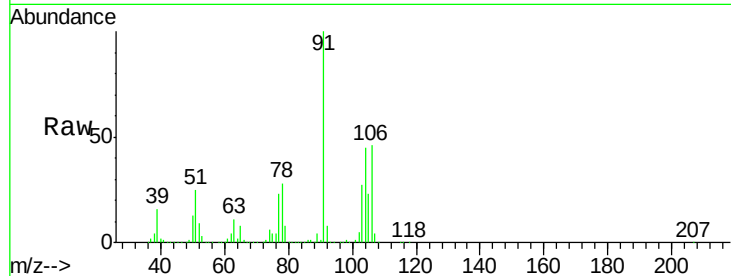
#69
o-Xylene
Concen: 154.616 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW009036.D
Acq: 07 Mar 2019 13:03

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		969819		
91	218.4	108.6	325.6		

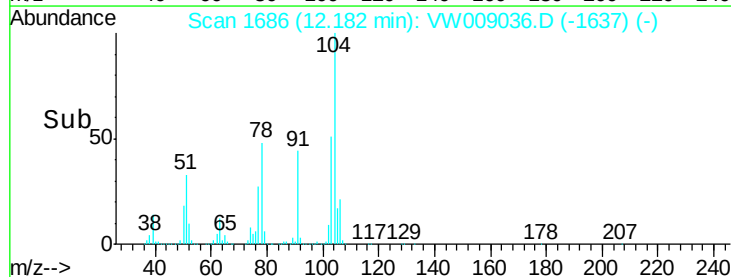
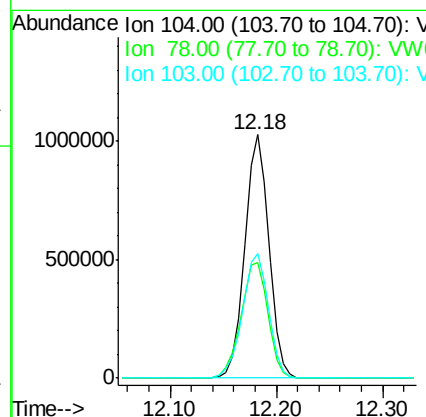
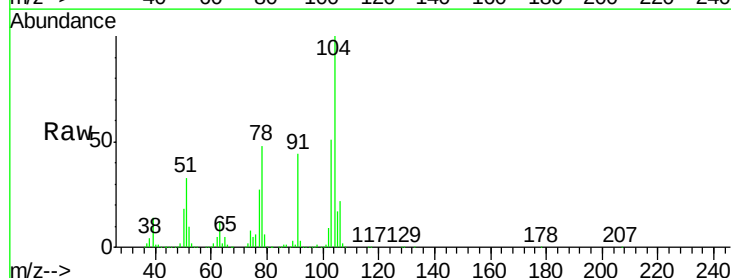
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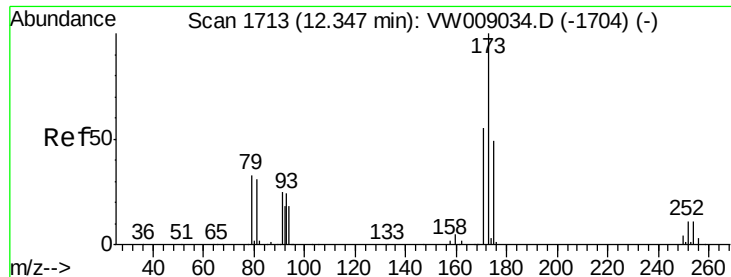
MMDadoda
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#70
Styrene
Concen: 159.712 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW009036.D
Acq: 07 Mar 2019 13:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		1630849		
78	53.5	42.1	63.1		
103	55.6	43.9	65.9		





#71

Bromoform

Concen: 160.282 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW009036.D

Acq: 07 Mar 2019 13:03

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion:173 Resp: 274552

Ion Ratio Lower Upper

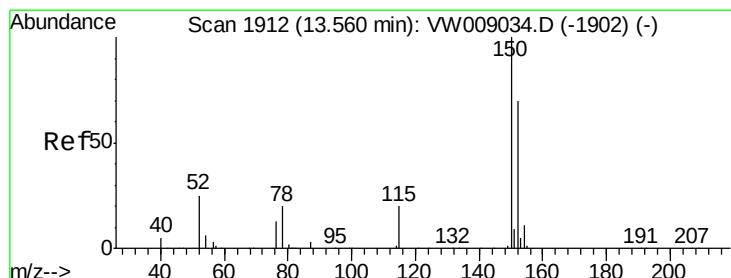
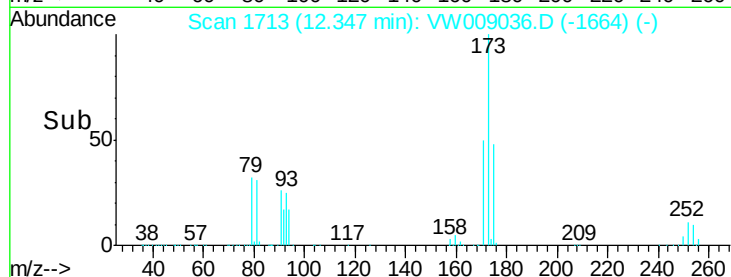
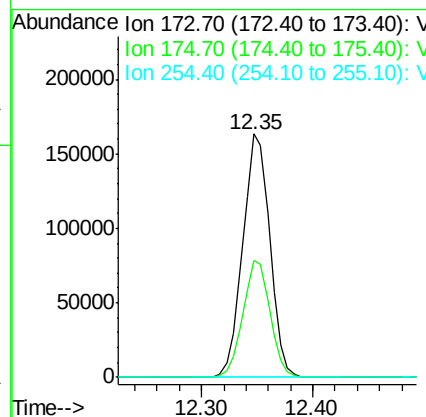
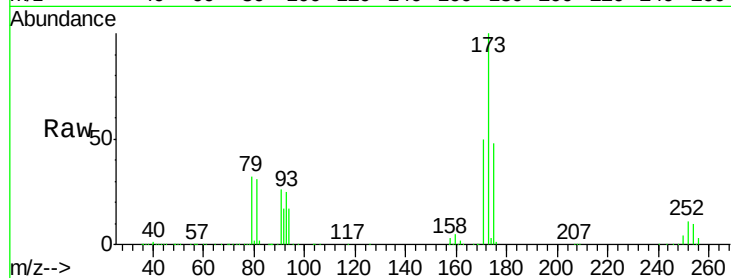
173 100

175 48.3 24.6 74.0

254 0.2 0.0 0.0#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW009036.D

Acq: 07 Mar 2019 13:03

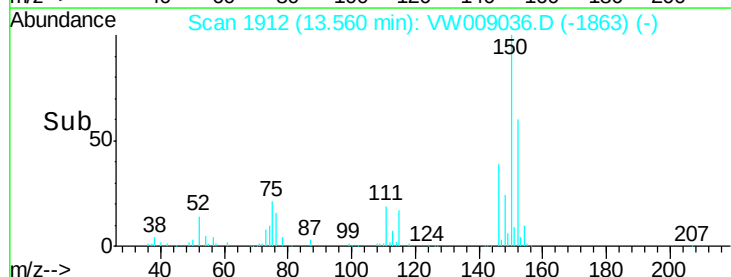
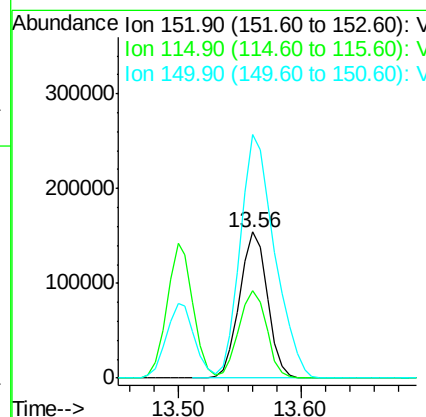
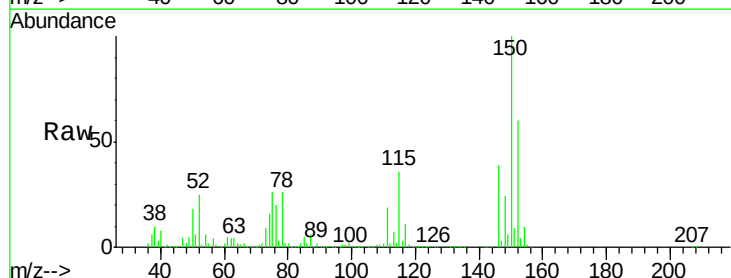
Tgt Ion:152 Resp: 242261

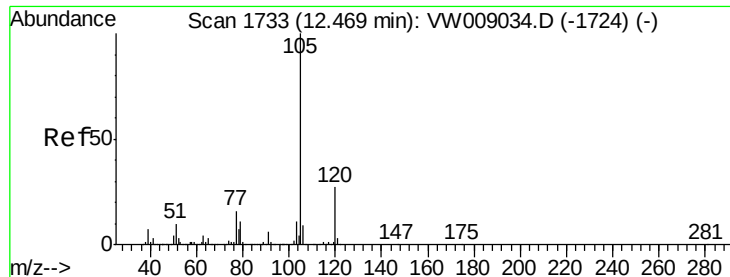
Ion Ratio Lower Upper

152 100

115 59.9 28.9 86.7

150 205.6 0.0 349.2





#73

Isopropylbenzene

Concen: 156.987 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW009036.D

Acq: 07 Mar 2019 13:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 2702586

Ion Ratio Lower Upper

105 100

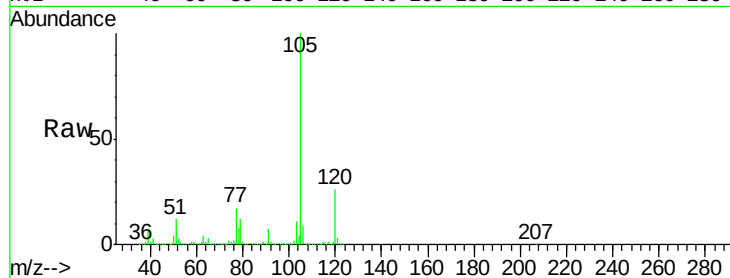
120 26.1 13.2 39.6

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

2000000

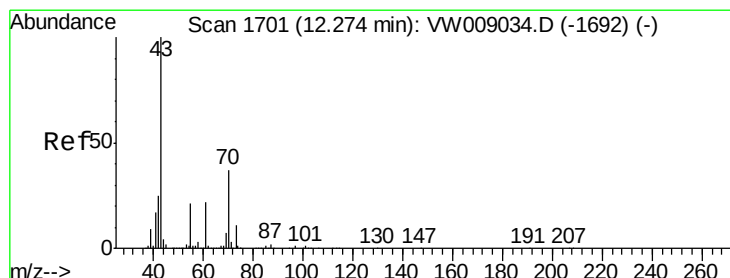
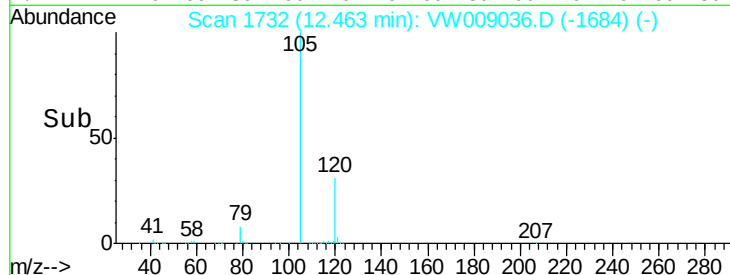
1500000

1000000

500000

0

Time-->



#74

N-ethyl acetate

Concen: 165.007 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW009036.D

Acq: 07 Mar 2019 13:03

Tgt Ion: 43 Resp: 679041

Ion Ratio Lower Upper

43 100

70 37.5 30.8 46.2

55 22.2 17.8 26.8

61 22.0 17.4 26.2

Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

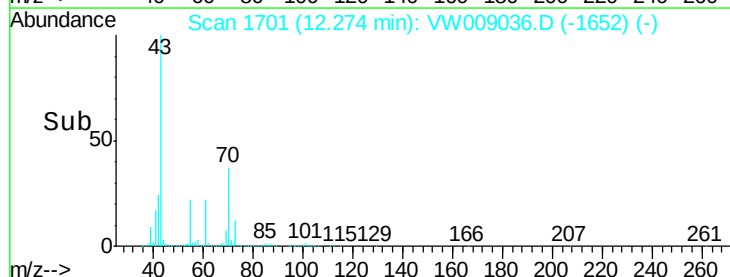
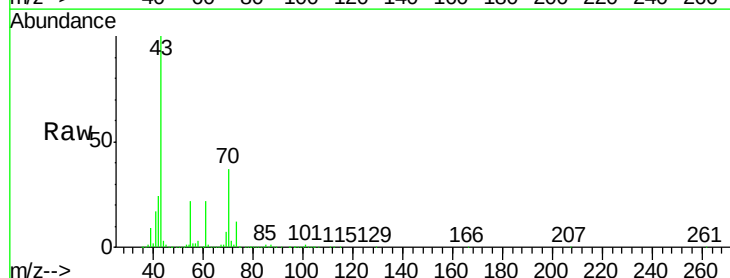
600000

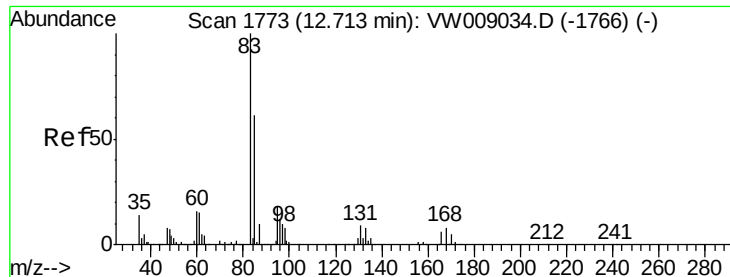
400000

200000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 148.454 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW009036.D

Acq: 07 Mar 2019 13:03

Instrument :

MSVOA_W

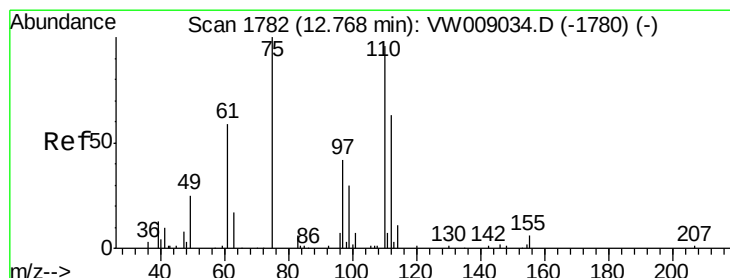
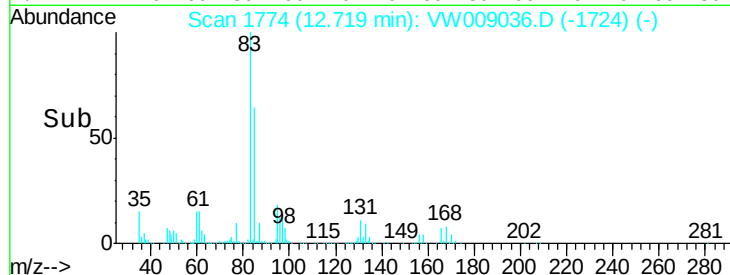
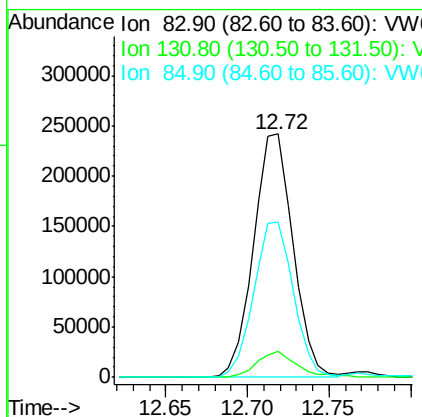
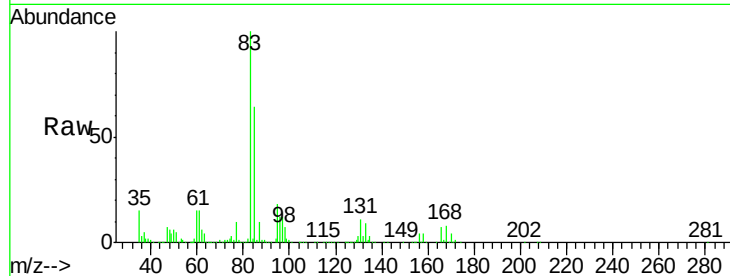
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	406518
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.5	16.7
85	63.8	31.7	95.1

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 111.093 ug/l m

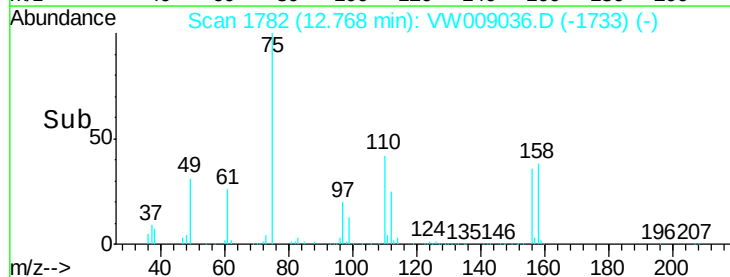
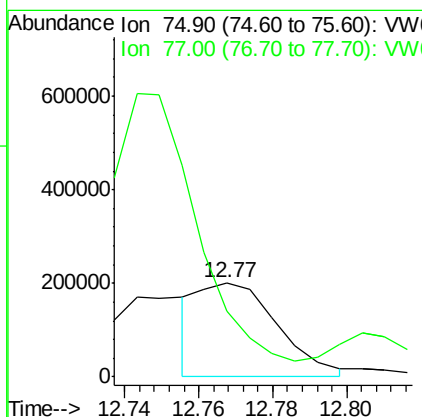
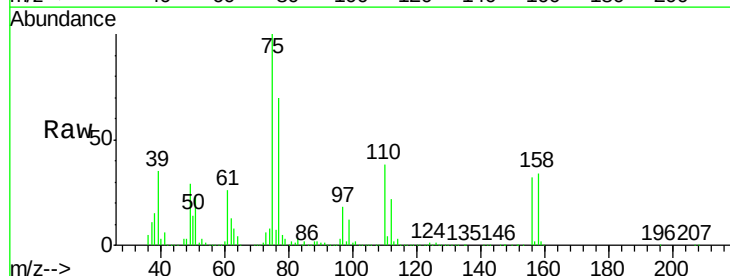
RT: 12.77 min Scan# 1782

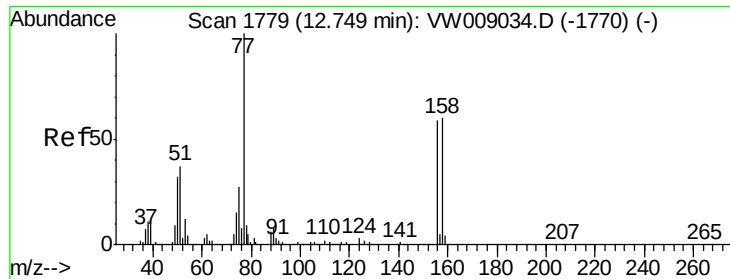
Delta R.T. -0.00 min

Lab File: VW009036.D

Acq: 07 Mar 2019 13:03

Tgt Ion:	75	Resp:	299681
Ion Ratio	Lower	Upper	
75	100		
77	0.0	186.7	560.0#





#77

Bromobenzene

Concen: 145.606 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW009036.D

Acq: 07 Mar 2019 13:03

Instrument :

MSVOA_W

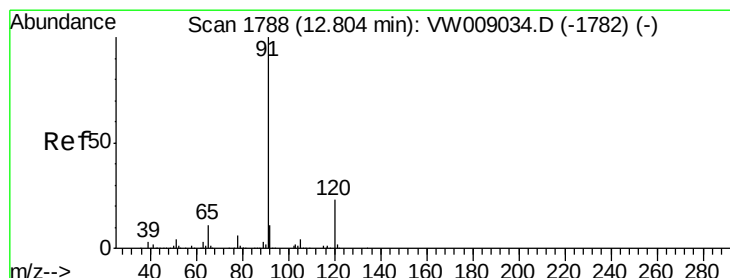
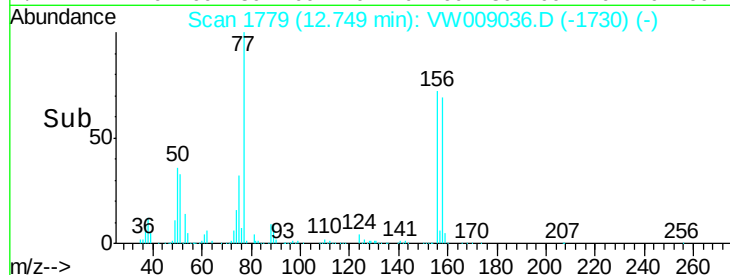
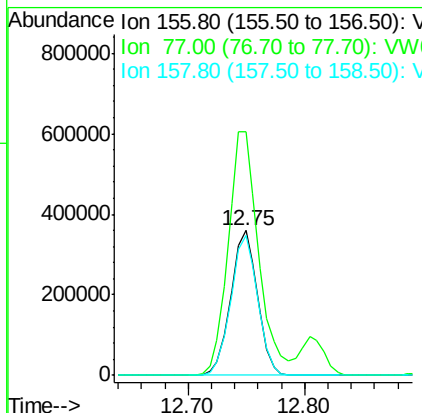
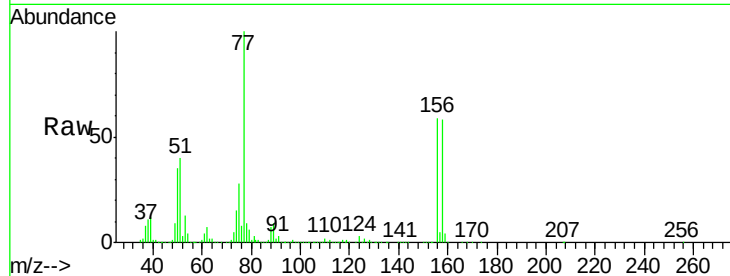
ClientSampled :

VSTDIC150

Tot Ion:	156	Resp:	573173
Ion Ratio	Lower	Upper	
156	100		
77	191.6	93.0	279.2
158	97.3	50.0	149.8

Manual Integrations
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#78

n-propylbenzene

Concen: 154.992 ug/l

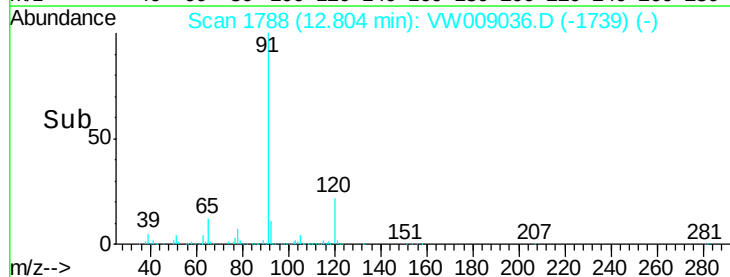
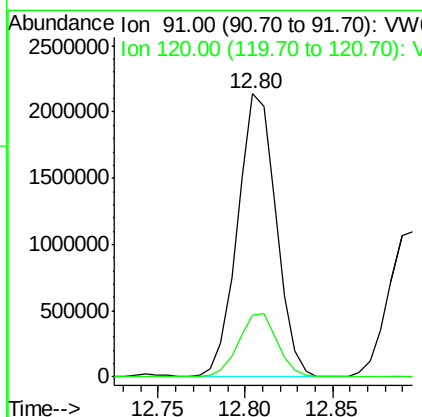
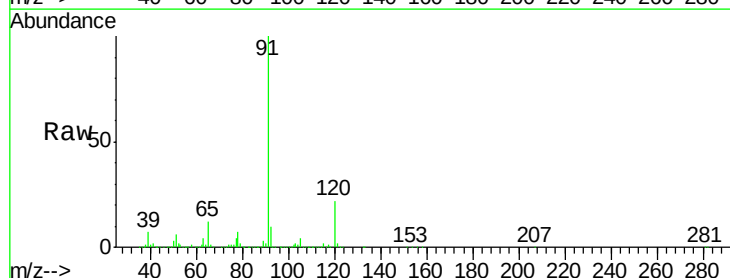
RT: 12.80 min Scan# 1788

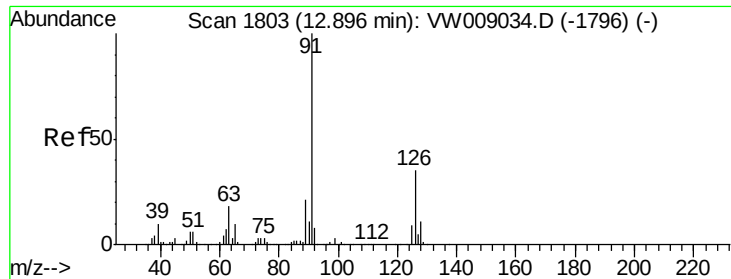
Delta R.T. -0.00 min

Lab File: VW009036.D

Acq: 07 Mar 2019 13:03

Tgt Ion:	91	Resp:	3275577
Ion Ratio	Lower	Upper	
91	100		
120	22.6	11.4	34.2





#79

2-Chlorotoluene

Concen: 151.962 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW009036.D

Acq: 07 Mar 2019 13:03

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion: 91 Resp: 1804623

Ion Ratio Lower Upper

91 100

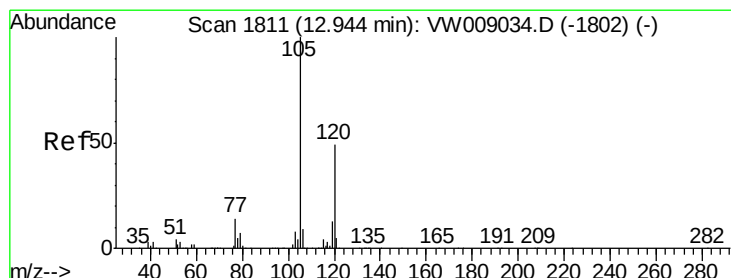
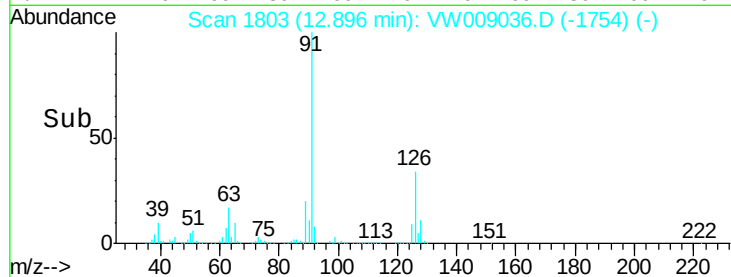
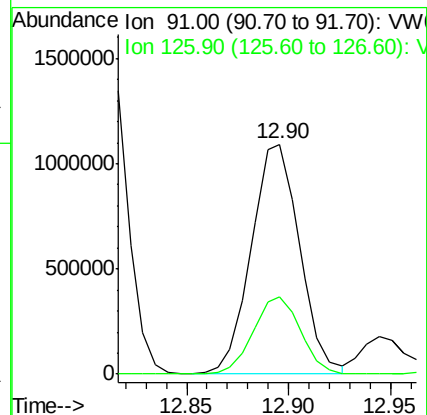
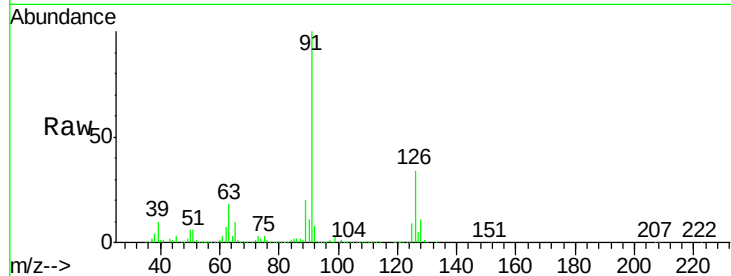
126 33.1 16.8 50.4

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 155.381 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW009036.D

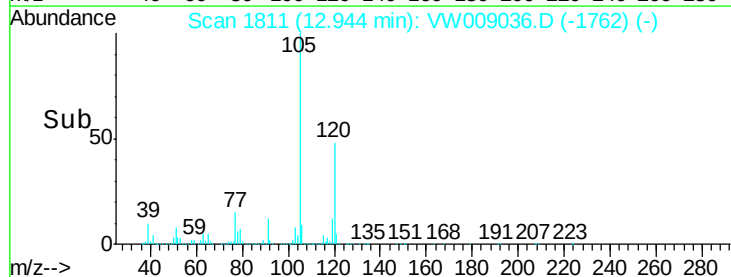
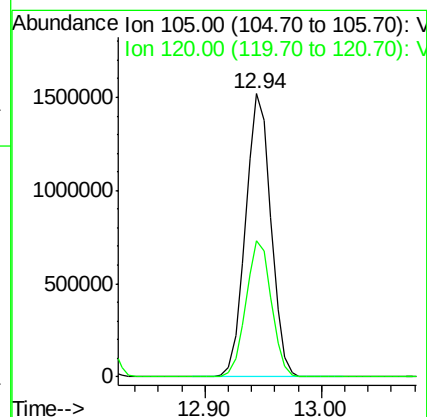
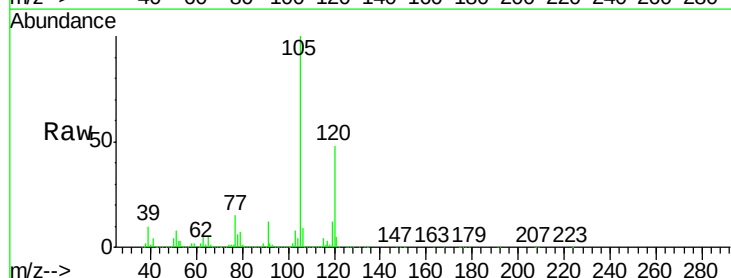
Acq: 07 Mar 2019 13:03

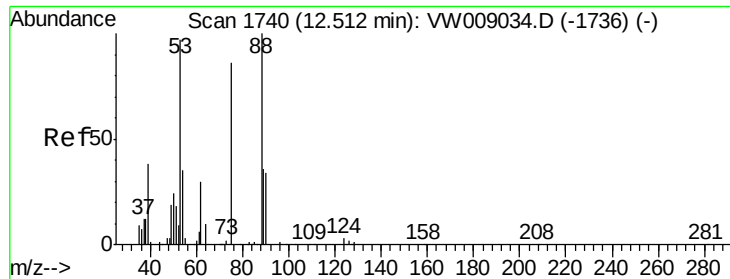
Tgt Ion:105 Resp: 2305422

Ion Ratio Lower Upper

105 100

120 48.4 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 167.119 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW009036.D

Acq: 07 Mar 2019 13:03

Instrument :

MSVOA_W

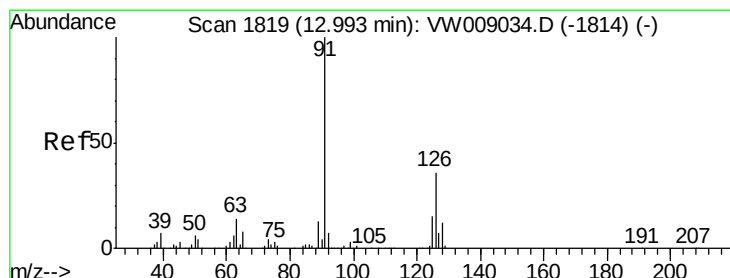
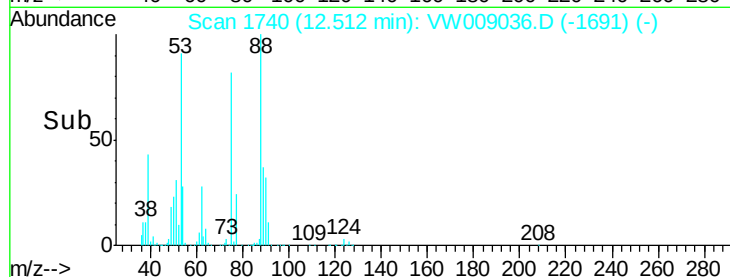
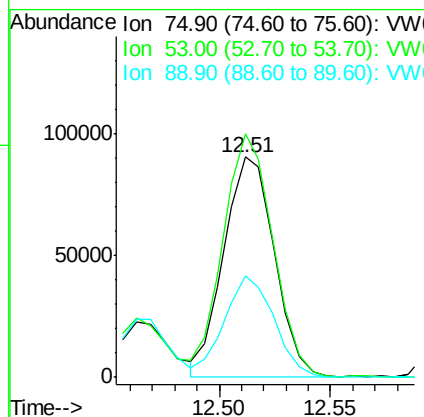
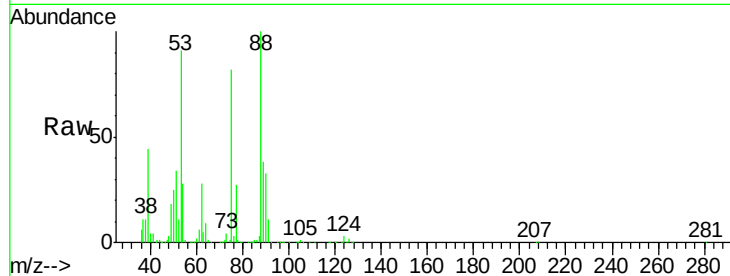
ClientSampleId :

VSTDIC150

Tot Ion:	75	Resp:	141914
Ion	Ratio	Lower	Upper
75	100		
53	108.4	90.5	135.7
89	45.6	37.5	56.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 153.504 ug/l

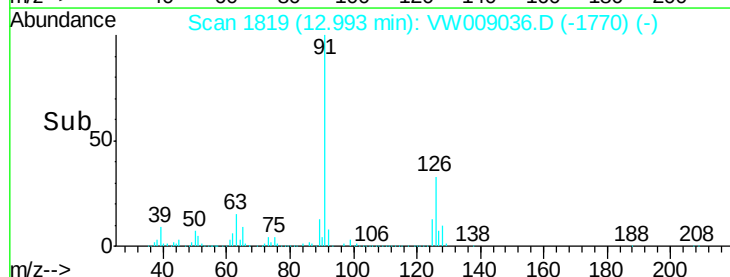
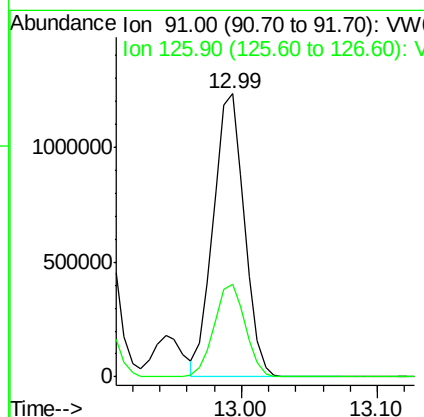
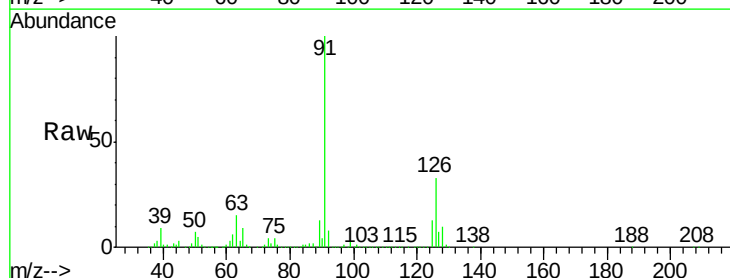
RT: 12.99 min Scan# 1819

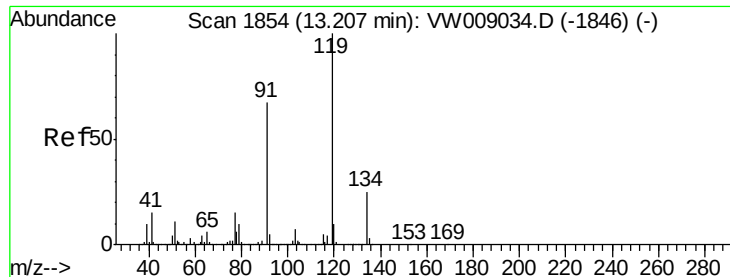
Delta R.T. -0.00 min

Lab File: VW009036.D

Acq: 07 Mar 2019 13:03

Tgt Ion:	91	Resp:	1942328
Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.6	49.8





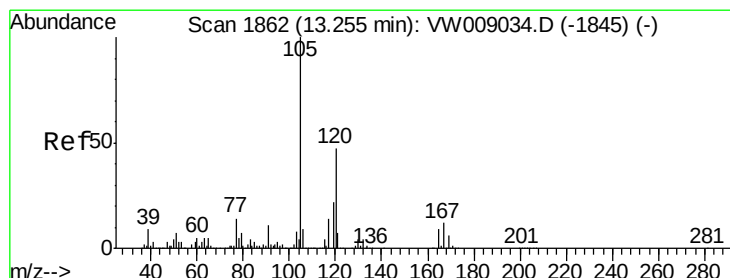
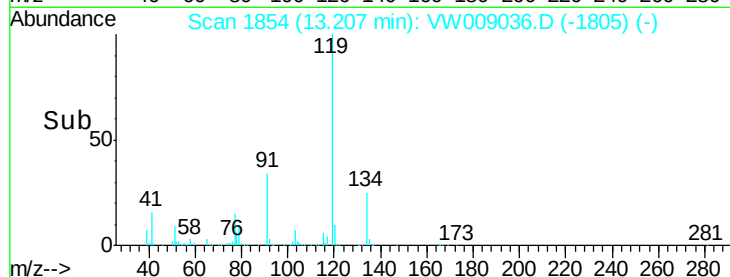
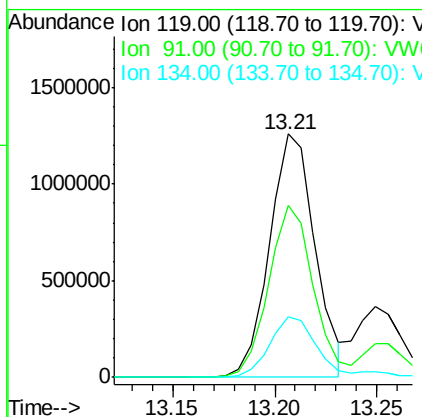
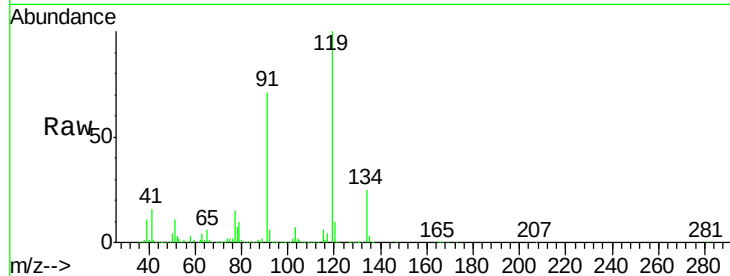
#83
 tert-Butylbenzene
 Concen: 157.296 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW009036.D
 Acq: 07 Mar 2019 13:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion:119 Resp: 1960392
 Ion Ratio Lower Upper
 119 100
 91 69.8 34.2 102.5
 134 27.1 13.9 41.6

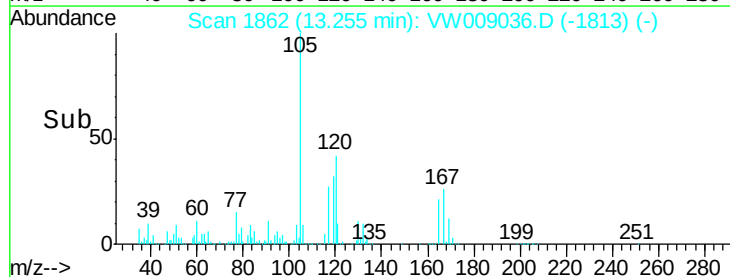
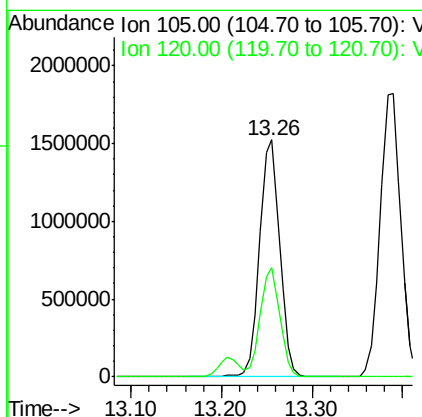
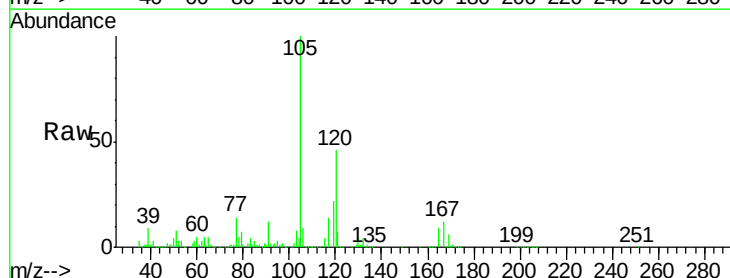
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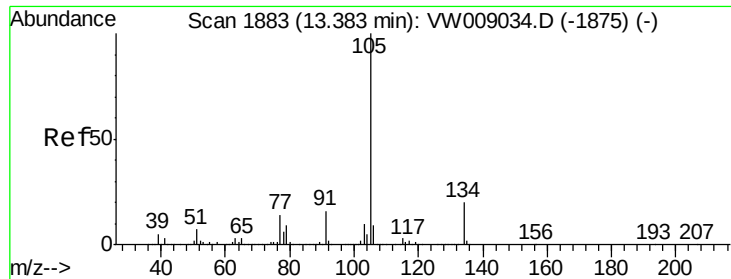
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#84
 1,2,4-Trimethylbenzene
 Concen: 156.882 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW009036.D
 Acq: 07 Mar 2019 13:03

Tgt Ion:105 Resp: 2349829
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.8 68.4





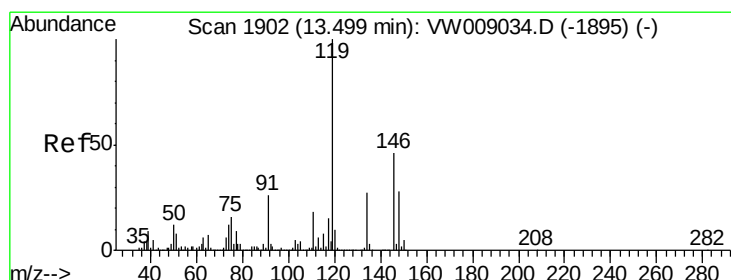
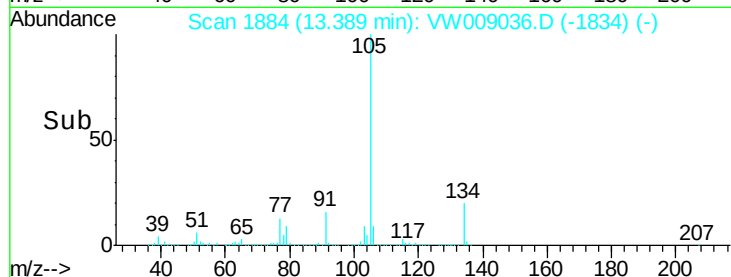
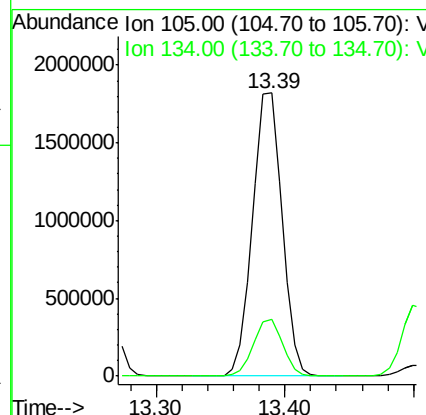
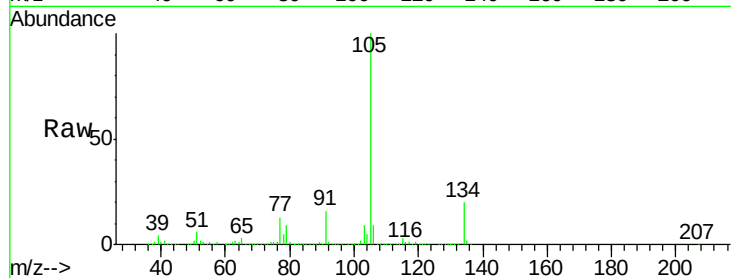
#85
 sec-Butylbenzene
 Concen: 155.336 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.01 min
 Lab File: VW009036.D
 Acq: 07 Mar 2019 13:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion:105 Resp: 2868578
 Ion Ratio Lower Upper
 105 100
 134 19.9 10.0 30.0

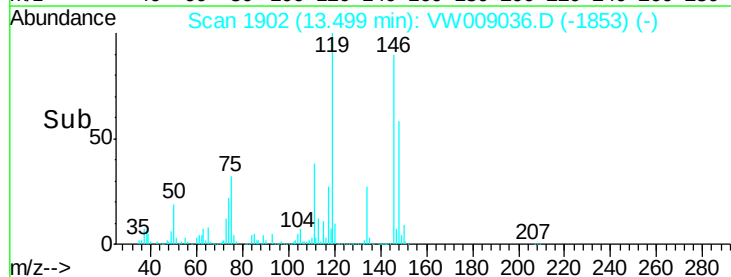
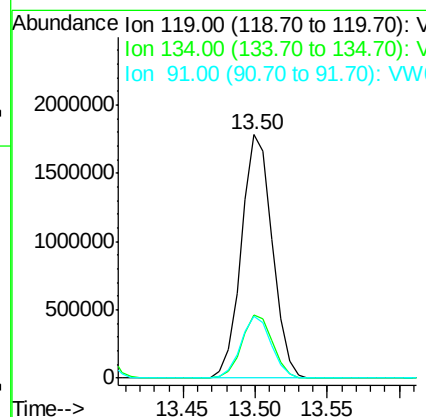
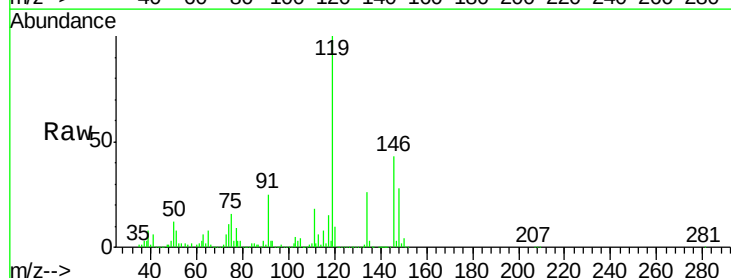
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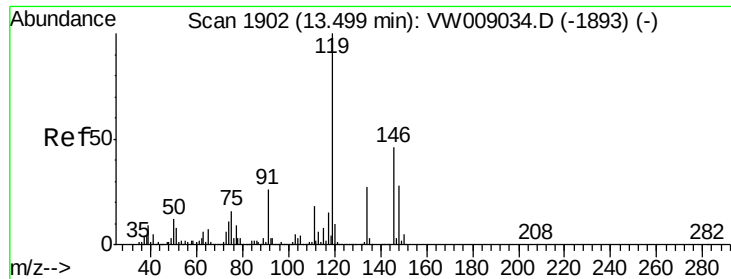
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#86
 p-Isopropyltoluene
 Concen: 159.785 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW009036.D
 Acq: 07 Mar 2019 13:03

Tgt Ion:119 Resp: 2644898
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.3 39.9
 91 25.1 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 147.662 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW009036.D

Acq: 07 Mar 2019 13:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC150

Tot Ion:146 Resp: 1218819

Ion Ratio Lower Upper

146 100

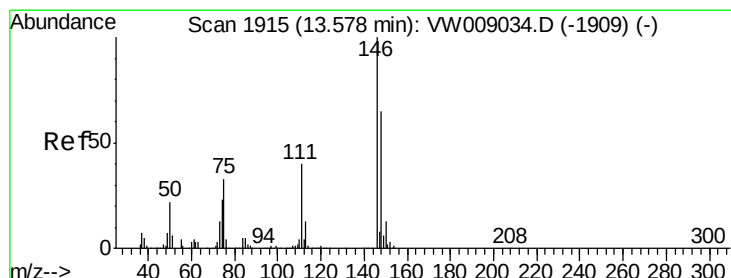
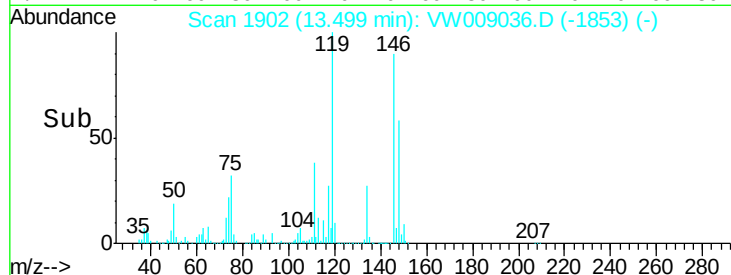
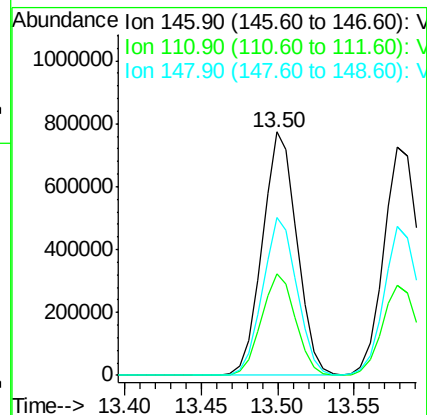
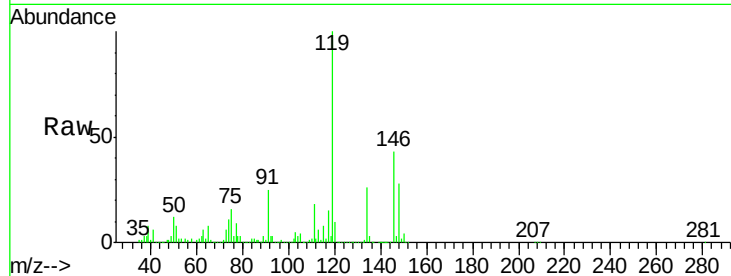
111 41.4 19.8 59.4

148 64.2 31.6 94.8

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 142.152 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW009036.D

Acq: 07 Mar 2019 13:03

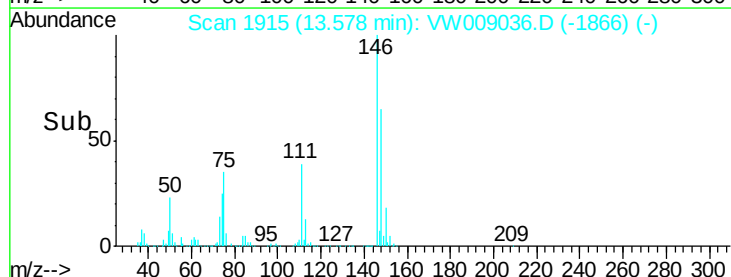
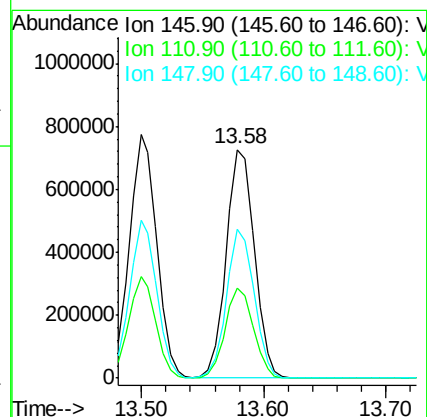
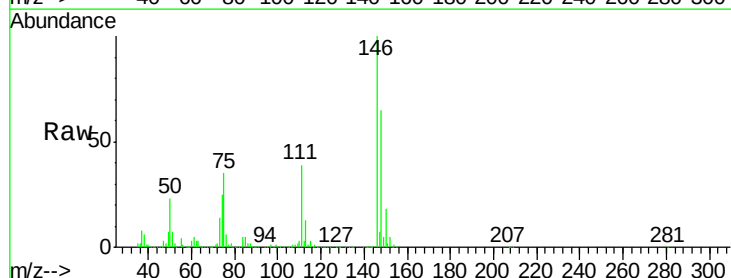
Tgt Ion:146 Resp: 1159107

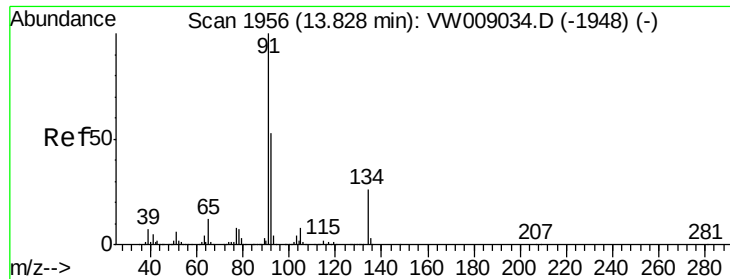
Ion Ratio Lower Upper

146 100

111 39.4 19.7 59.0

148 63.9 32.2 96.6





#89

n-Butylbenzene

Concen: 157.545 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW009036.D

Acq: 07 Mar 2019 13:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 2486133

Ion Ratio Lower Upper

91 100

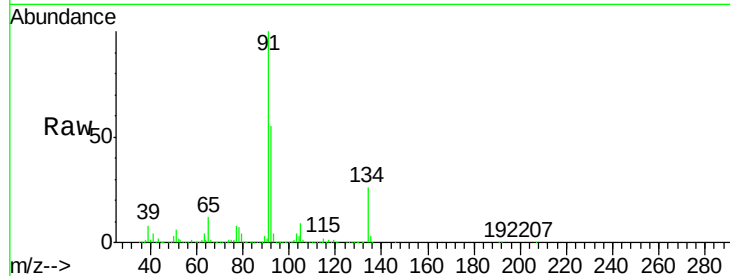
92 53.9 26.8 80.3

134 25.4 12.9 38.7

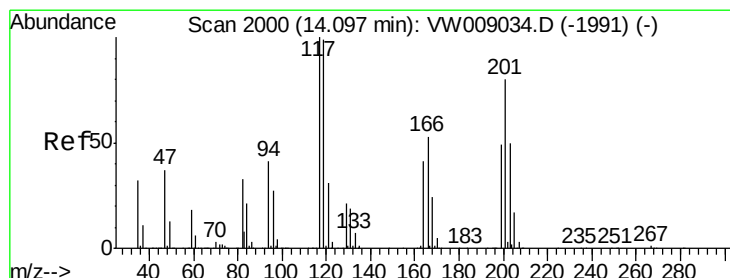
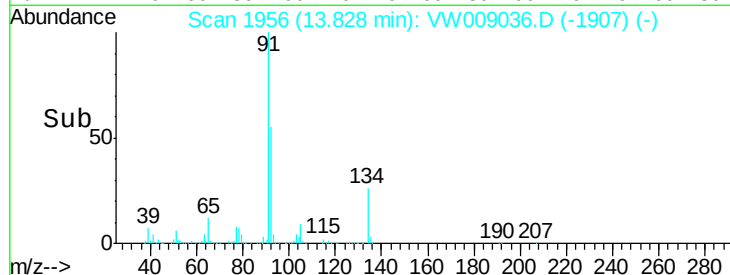
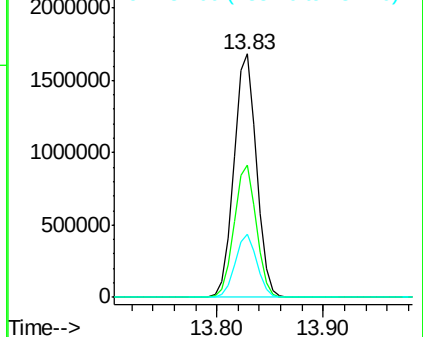
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Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 154.976 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW009036.D

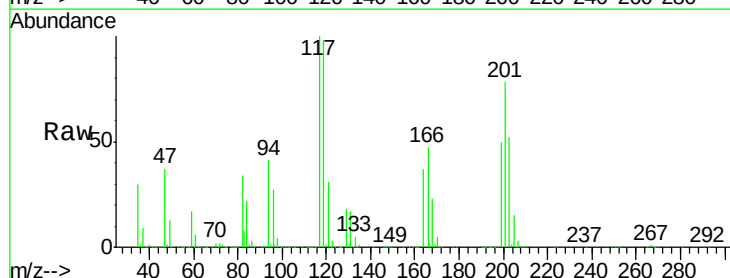
Acq: 07 Mar 2019 13:03

Tgt Ion: 117 Resp: 441891

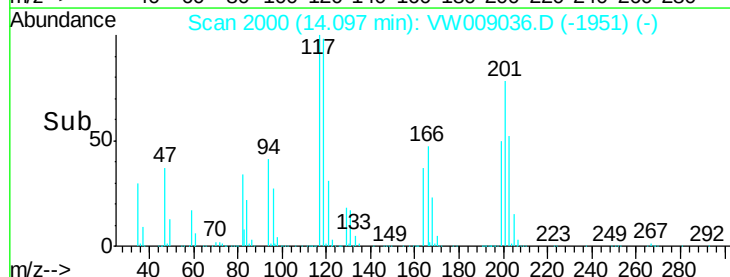
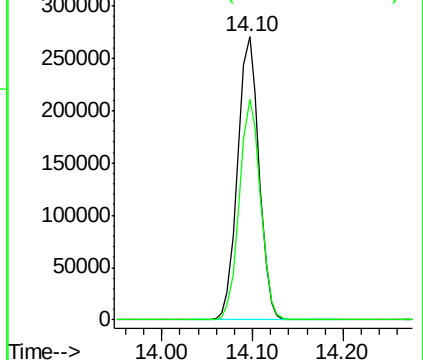
Ion Ratio Lower Upper

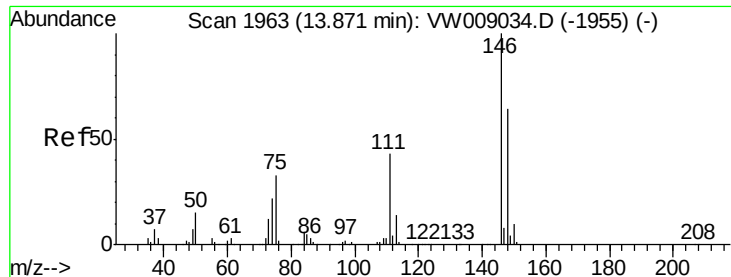
117 100

201 77.1 39.1 117.5



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





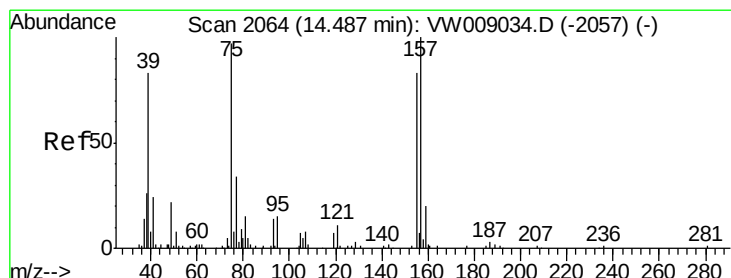
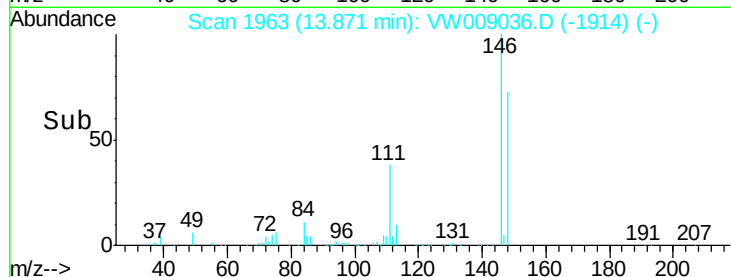
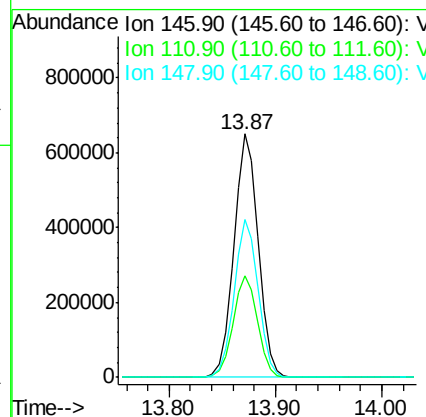
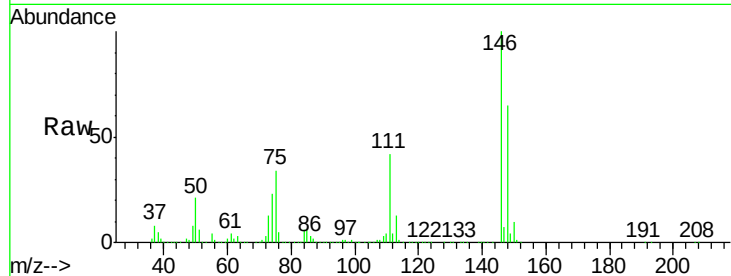
#91
 1,2-Dichlorobenzene
 Concen: 143.321 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW009036.D
 Acq: 07 Mar 2019 13:03

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.1	63.1
148	64.4	32.3	96.9

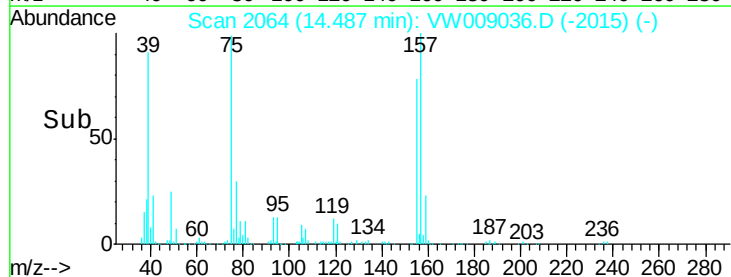
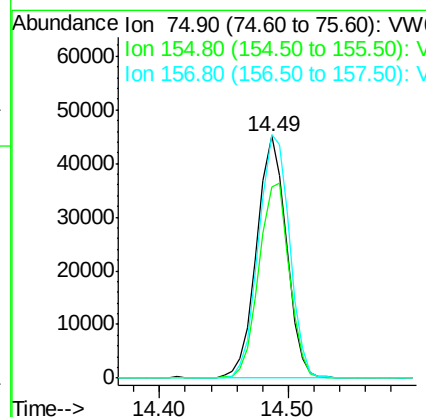
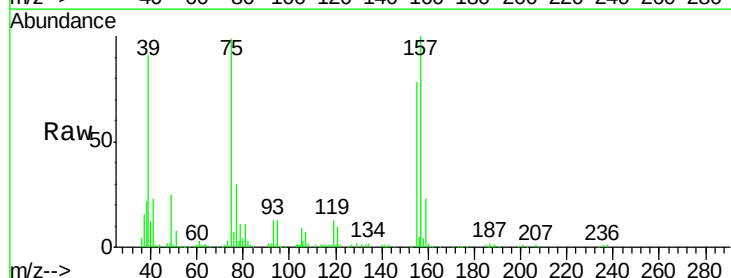
Manual Integrations
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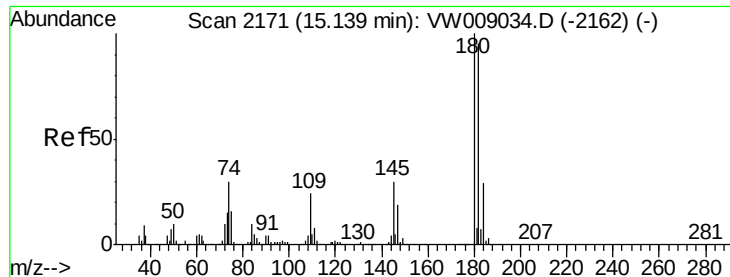
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 141.582 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW009036.D
 Acq: 07 Mar 2019 13:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.9	40.8	122.4
157	104.2	52.4	157.3





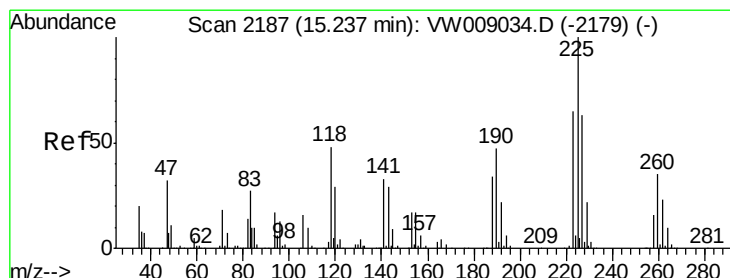
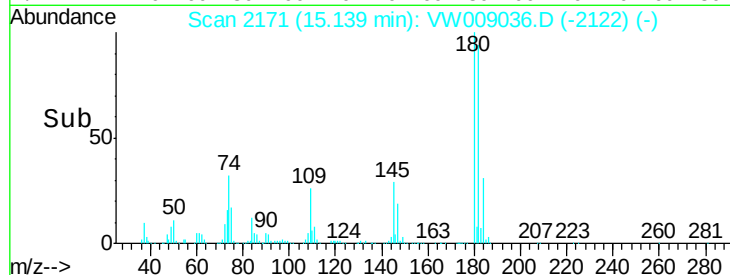
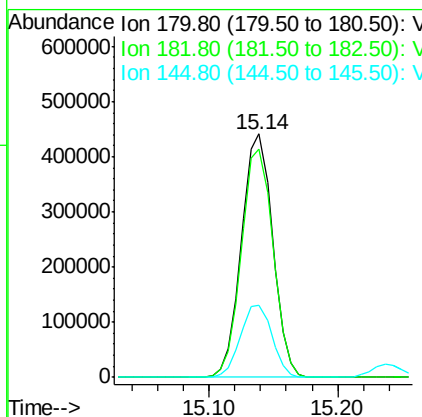
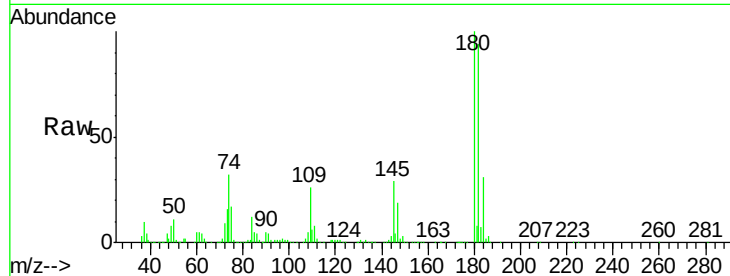
#93
 1,2,4-Trichlorobenzene
 Concen: 149.358 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW009036.D
 Acq: 07 Mar 2019 13:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.3	48.1	144.3	
145	30.2	15.4	46.1	

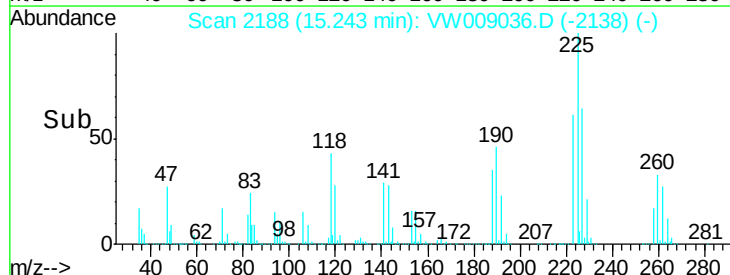
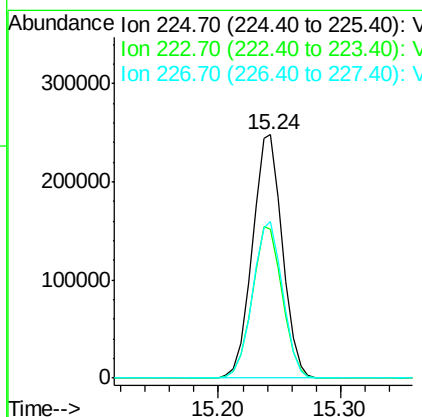
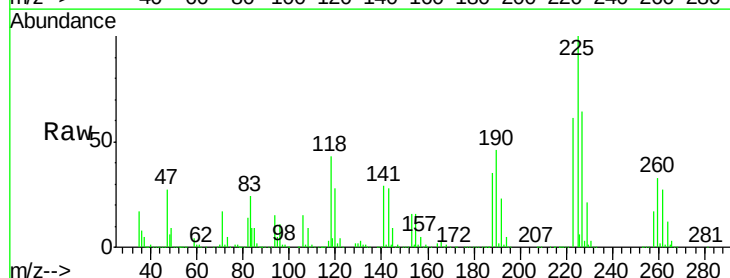
Manual Integrations
 APPROVED

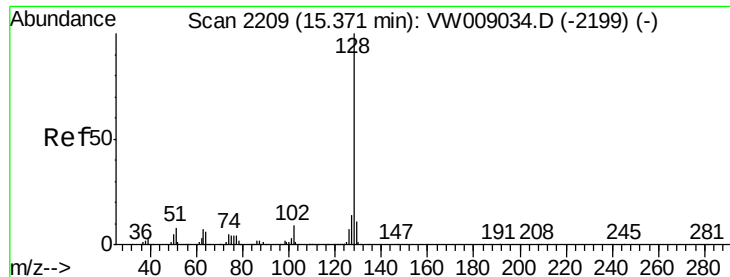
MMDadoda
 3/8/2019 12:06:48 PM



#94
 Hexachlorobutadiene
 Concen: 136.803 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.01 min
 Lab File: VW009036.D
 Acq: 07 Mar 2019 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.5	31.6	94.8	
227	64.3	32.0	96.2	





#95

Naphthalene

Concen: 162.296 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW009036.D

Acq: 07 Mar 2019 13:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 1329410

Ion Ratio Lower Upper

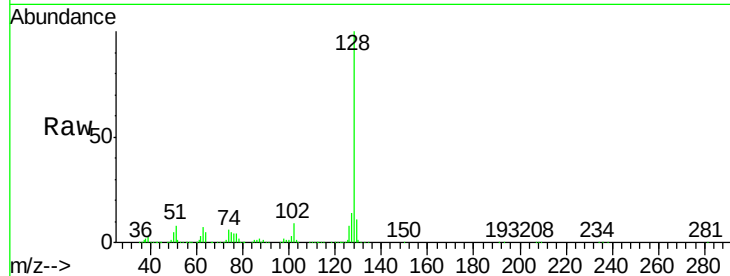
128 100

127 13.5 11.0 16.6

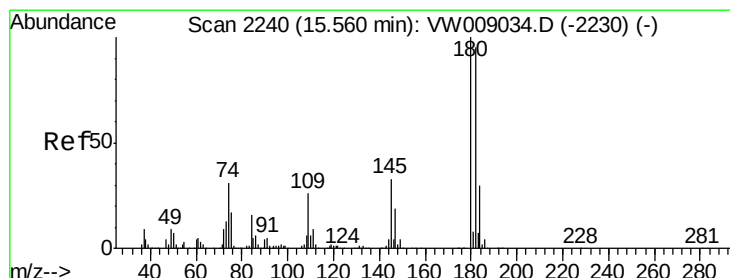
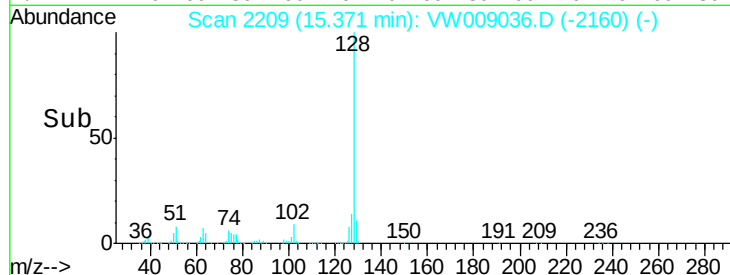
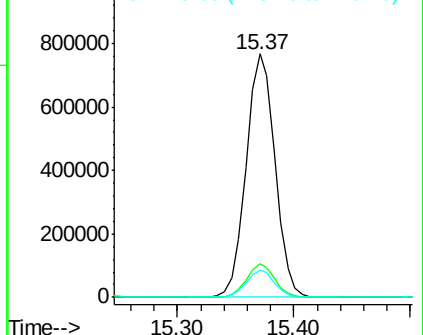
129 10.9 8.8 13.2

Manual Integrations
APPROVED

MMDadoda
3/8/2019 12:06:48 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 146.171 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW009036.D

Acq: 07 Mar 2019 13:03

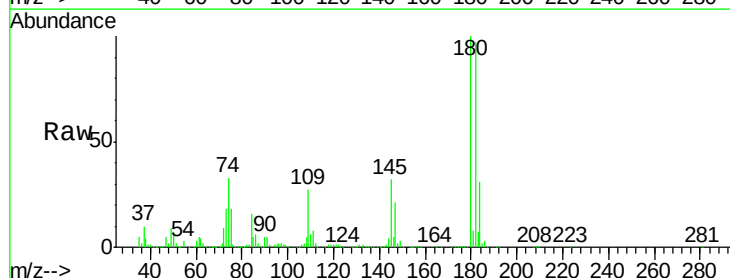
Tgt Ion:180 Resp: 634595

Ion Ratio Lower Upper

180 100

182 96.5 48.1 144.3

145 31.9 15.8 47.3



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

