

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031219\
 Data File : VW009152.D
 Acq On : 13 Mar 2019 13:06
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/14/2019 3:33:15 PM

Quant Time: Mar 13 13:46:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	266107	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	387913	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	386664	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	220574	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	150288	56.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.26%	
35) Dibromofluoromethane	7.88	113	127172	54.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.90%	
50) Toluene-d8	10.32	98	553524	57.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.40%	
62) 4-Bromofluorobenzene	12.62	95	219561	58.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	121915	45.460	ug/l	99
3) Chloromethane	2.21	50	167675	49.216	ug/l	99
4) Vinyl Chloride	2.35	62	178468	51.619	ug/l	96
5) Bromomethane	2.75	94	148598	50.916	ug/l	95
6) Chloroethane	2.91	64	132001	53.629	ug/l	97
7) Trichlorofluoromethane	3.25	101	218891	49.171	ug/l	98
8) Diethyl Ether	3.68	74	71462	52.501	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	133051	47.988	ug/l	99
10) Methyl Iodide	4.27	142	143988	48.012	ug/l	100
11) Tert butyl alcohol	5.17	59	56339	274.607	ug/l	98
12) 1,1-Dichloroethene	4.04	96	118722	49.641	ug/l	96
13) Acrolein	3.89	56	52203	231.231	ug/l	97
14) Allyl chloride	4.67	41	218800	51.865	ug/l	98
15) Acrylonitrile	5.37	53	175652	295.670	ug/l	98
16) Acetone	4.12	43	180533	298.819	ug/l	98
17) Carbon Disulfide	4.37	76	400649	49.790	ug/l	98
18) Methyl Acetate	4.67	43	81736	58.834	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	346524	54.773	ug/l	98
20) Methylene Chloride	4.92	84	152502	54.105	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	139895	50.659	ug/l	97
22) Diisopropyl ether	6.31	45	472061	56.308	ug/l	98
23) Vinyl Acetate	6.25	43	1478840	283.464	ug/l	100
24) 1,1-Dichloroethane	6.22	63	251950	51.813	ug/l	99
25) 2-Butanone	7.16	43	238718	285.906	ug/l	100
26) 2,2-Dichloropropane	7.16	77	224382	50.765	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	152582	51.447	ug/l	97
28) Bromochloromethane	7.51	49	113396	56.064	ug/l	97
29) Tetrahydrofuran	7.52	42	153230	291.219	ug/l	100
30) Chloroform	7.68	83	261911	52.316	ug/l	97
31) Cyclohexane	7.95	56	244103	48.890	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	241235	52.214	ug/l	99
36) 1,1-Dichloropropene	8.08	75	206825	50.991	ug/l	100
37) Ethyl Acetate	7.25	43	105194	55.214	ug/l	99
38) Carbon Tetrachloride	8.07	117	214039	51.097	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	260944	54.013	ug/l	98
40) Benzene	8.32	78	578666	53.444	ug/l	98
41) Methacrylonitrile	7.49	41	62214	58.805	ug/l	91
42) 1,2-Dichloroethane	8.40	62	188062	53.800	ug/l	100
43) Isopropyl Acetate	8.42	43	206523	58.202	ug/l	98
44) Trichloroethene	9.09	130	152502	50.253	ug/l	99
45) 1,2-Dichloropropane	9.37	63	143474	52.907	ug/l	100
46) Dibromomethane	9.46	93	77814	52.540	ug/l	98
47) Bromodichloromethane	9.64	83	198402	52.921	ug/l	98
48) Methyl methacrylate	9.43	41	100135	60.606	ug/l	91
49) 1,4-Dioxane	9.44	88	25700	1211.805	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	568044	315.336	ug/l	99
52) Toluene	10.38	92	411081	55.982	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	208548	56.244	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	233030	54.689	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	112667	56.127	ug/l	98
56) Ethyl methacrylate	10.65	69	157152	63.080	ug/l	97
57) 1,3-Dichloropropane	10.93	76	197002	55.399	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	348761	270.040	ug/l	99
59) 2-Hexanone	10.97	43	421354	332.683	ug/l	98
60) Dibromochloromethane	11.13	129	138804	55.875	ug/l	100
61) 1,2-Dibromoethane	11.23	107	108688	55.231	ug/l	98
64) Tetrachloroethene	10.86	164	146125	52.404	ug/l	96
65) Chlorobenzene	11.66	112	452684	53.787	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	148930	52.997	ug/l	99
67) Ethyl Benzene	11.73	91	834166	54.864	ug/l	98
68) m/p-Xylenes	11.84	106	648997	108.142	ug/l	98
69) o-Xylene	12.16	106	312540	55.971	ug/l	98
70) Styrene	12.18	104	511267	56.590	ug/l	100
71) Bromoform	12.35	173	84485	55.992	ug/l #	98
73) Isopropylbenzene	12.46	105	866595	54.863	ug/l	99
74) N-amyl acetate	12.27	43	240970	64.442	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	140105	56.231	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	100639m	57.748	ug/l	
77) Bromobenzene	12.75	156	194388	53.861	ug/l	98
78) n-propylbenzene	12.80	91	1072721	55.135	ug/l	99
79) 2-Chlorotoluene	12.90	91	605710	55.410	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	747417	54.894	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	46374	59.520	ug/l	99
82) 4-Chlorotoluene	12.99	91	639046	54.842	ug/l	100
83) tert-Butylbenzene	13.21	119	647011	56.344	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	758360	55.060	ug/l	100
85) sec-Butylbenzene	13.38	105	950267	55.853	ug/l	100
86) p-Isopropyltoluene	13.50	119	834709	54.843	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	410426	54.112	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	404876	54.015	ug/l	99
89) n-Butylbenzene	13.83	91	815867	56.387	ug/l	99
90) Hexachloroethane	14.10	117	144209	54.937	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	370268	55.330	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	29293	66.009	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	251638	55.680	ug/l	99
94) Hexachlorobutadiene	15.24	225	159083	56.198	ug/l	98
95) Naphthalene	15.37	128	445777	60.257	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	219151	55.146	ug/l	99

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

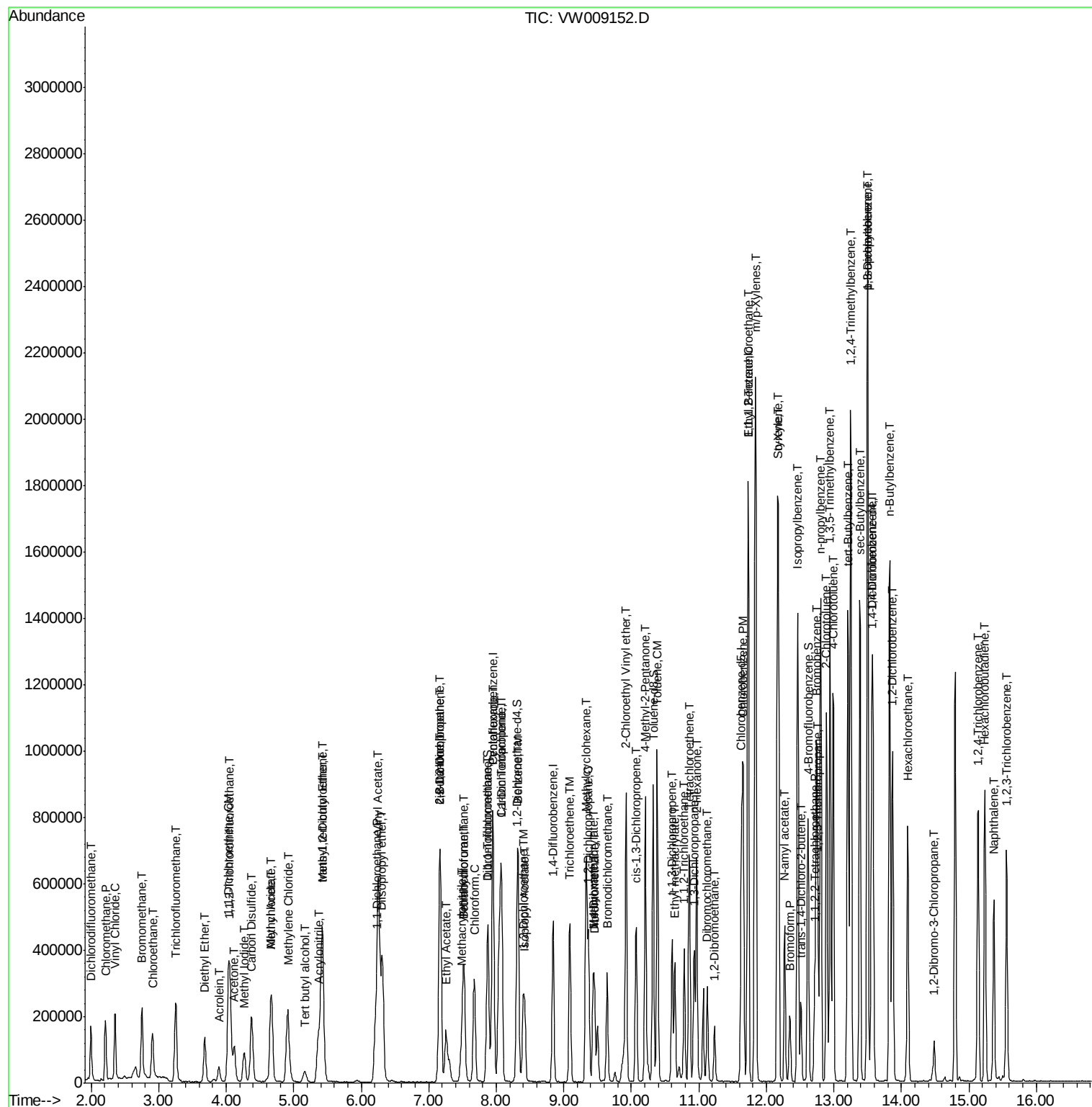
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Data File : VW009152.D
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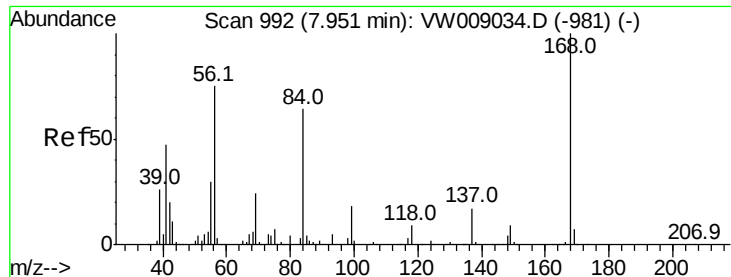
Instrument :
MSVOA_W
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW009152.D

Acq: 13 Mar 2019 13:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 266107

Ion Ratio Lower Upper

168 100

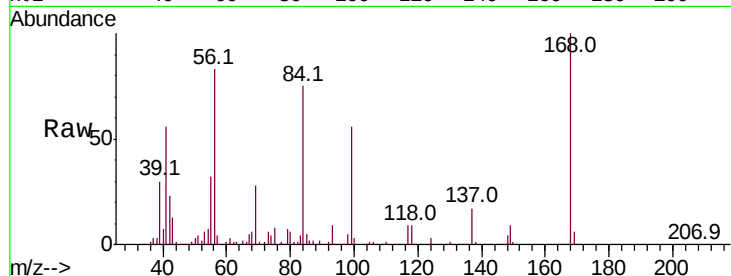
99 55.9 42.2 63.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

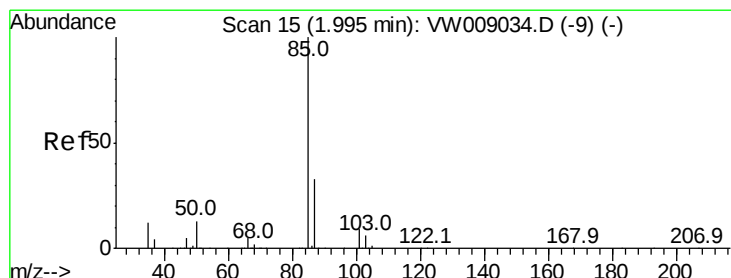
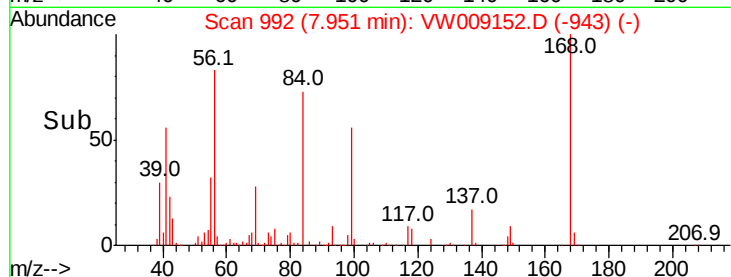
100000

50000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 45.460 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.00 min

Lab File: VW009152.D

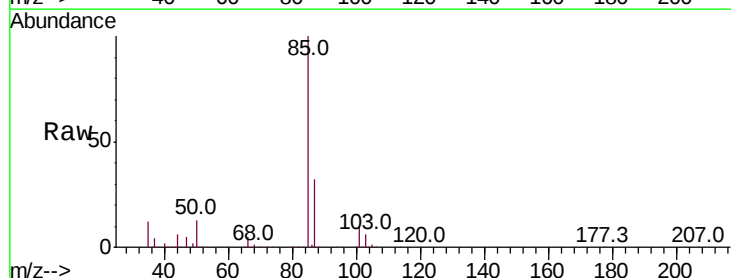
Acq: 13 Mar 2019 13:06

Tgt Ion: 85 Resp: 121915

Ion Ratio Lower Upper

85 100

87 31.9 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

100000

80000

60000

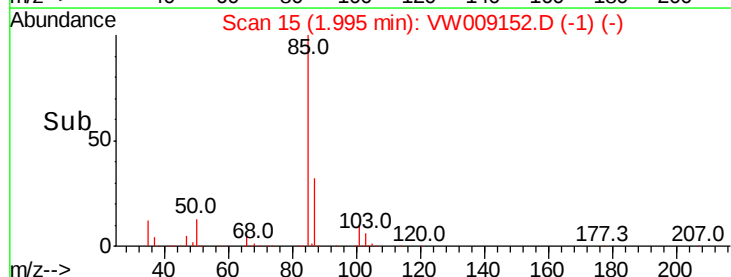
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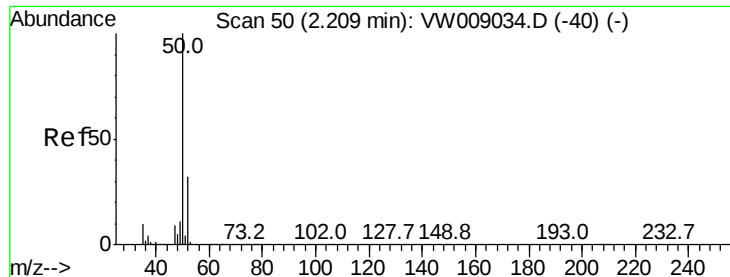
20000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 49.216 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW009152.D

Acq: 13 Mar 2019 13:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 167675

Ion Ratio Lower Upper

50 100

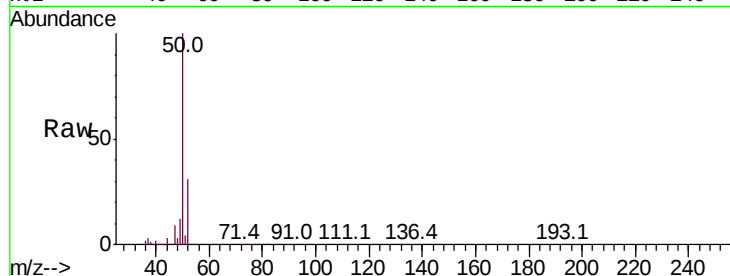
52 31.1 25.4 38.2

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

120000

100000

80000

60000

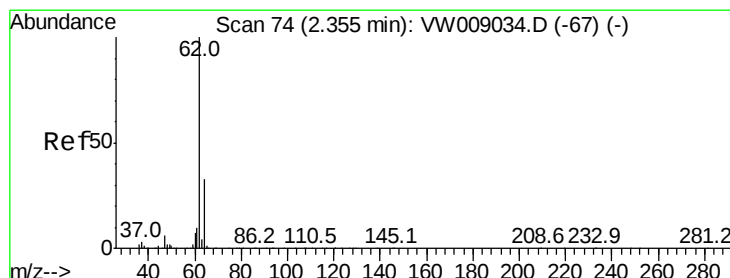
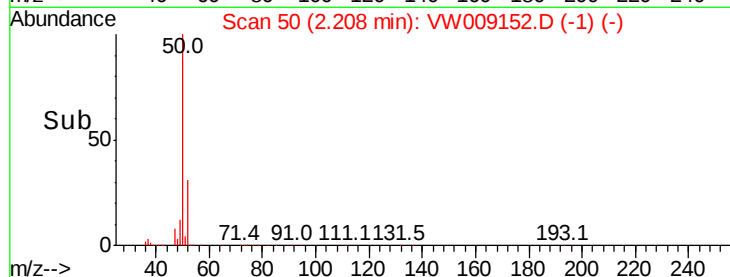
40000

20000

0

2.15 2.20 2.25 2.30

Time-->



#4

Vinyl Chloride

Concen: 51.619 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW009152.D

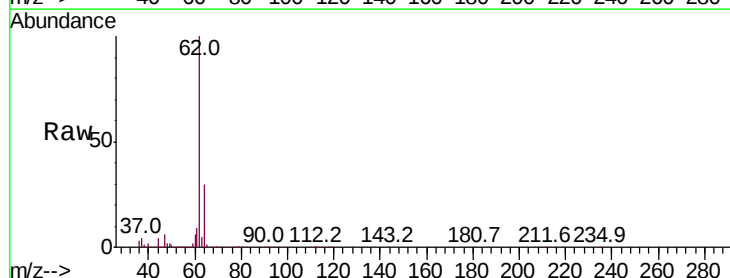
Acq: 13 Mar 2019 13:06

Tgt Ion: 62 Resp: 178468

Ion Ratio Lower Upper

62 100

64 30.3 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW

120000

100000

80000

60000

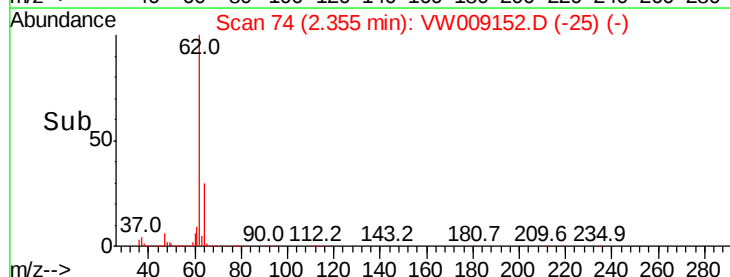
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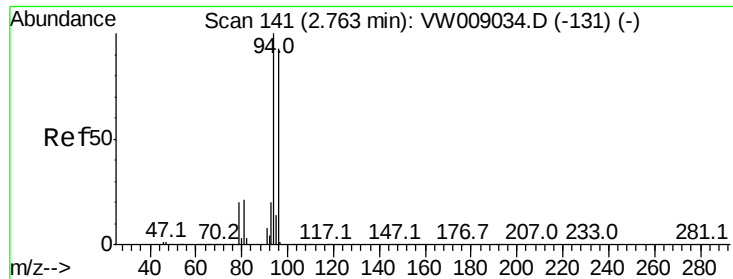
20000

0

2.30 2.35 2.40 2.45

Time-->





#5

Bromomethane

Concen: 50.916 ug/l

RT: 2.75 min Scan# 139

Delta R.T. -0.01 min

Lab File: VW009152.D

Acq: 13 Mar 2019 13:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 148598

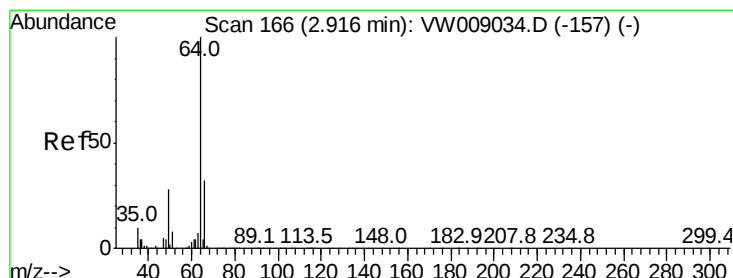
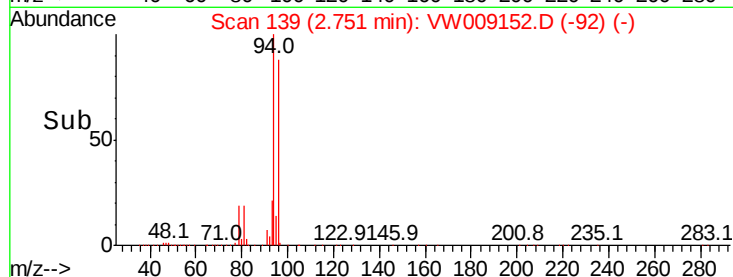
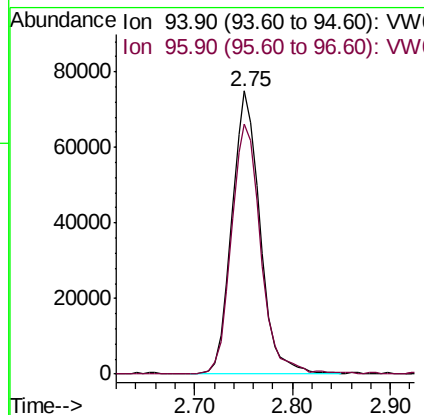
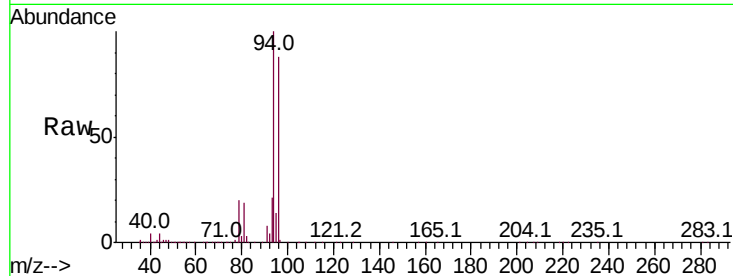
Ion Ratio Lower Upper

94 100

96 88.0 74.4 111.6

Manual Integrations
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#6

Chloroethane

Concen: 53.629 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW009152.D

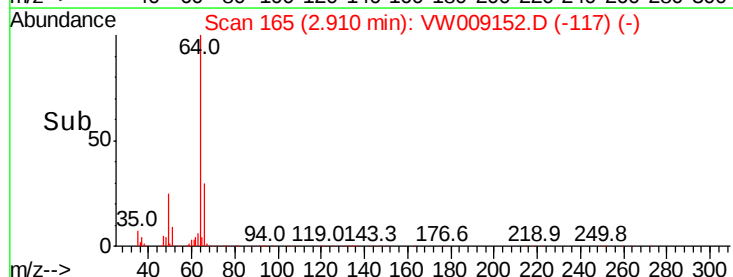
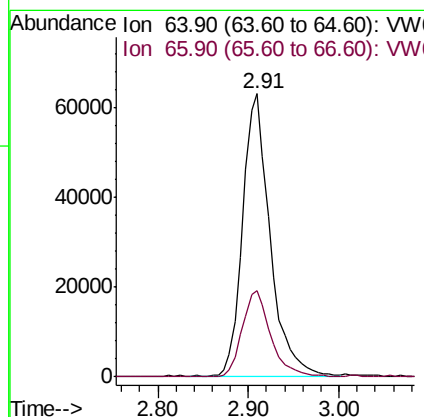
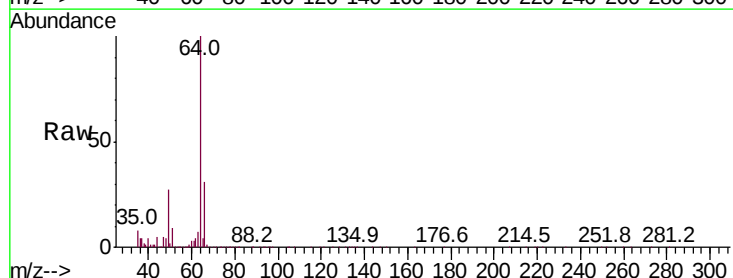
Acq: 13 Mar 2019 13:06

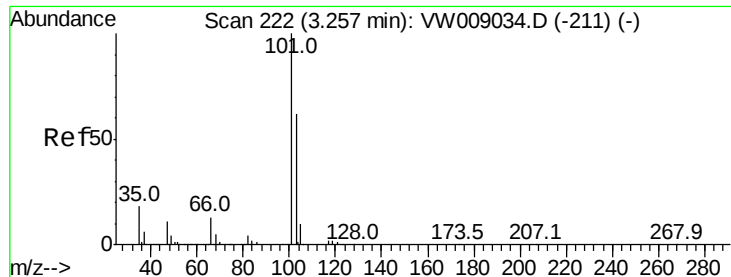
Tgt Ion: 64 Resp: 132001

Ion Ratio Lower Upper

64 100

66 30.4 25.5 38.3





#7

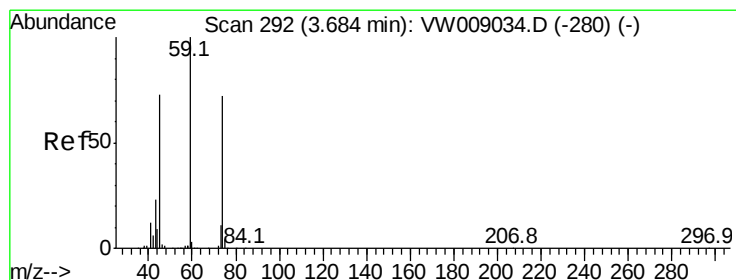
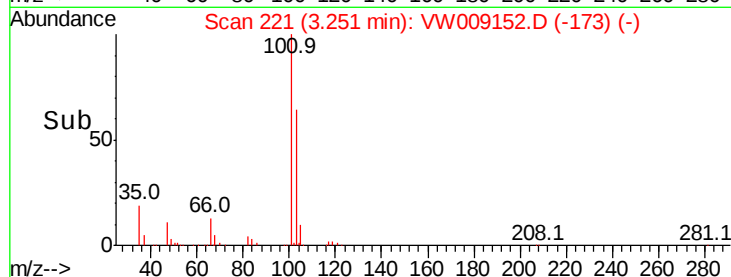
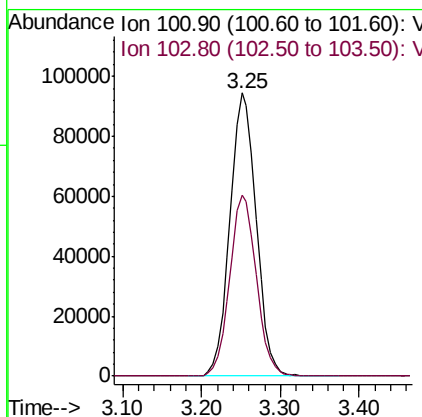
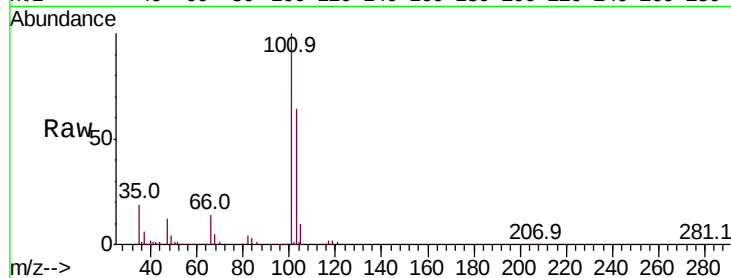
Trichlorofluoromethane
 Concen: 49.171 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW009152.D
 Acq: 13 Mar 2019 13:06

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	49.9	74.9

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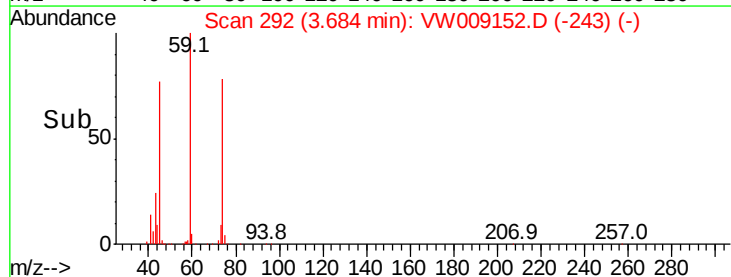
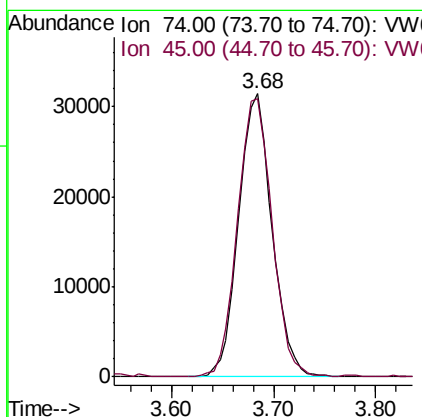
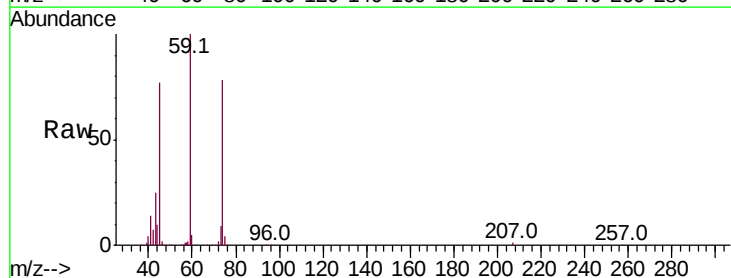
MMDadoda
 3/14/2019 3:33:15 PM

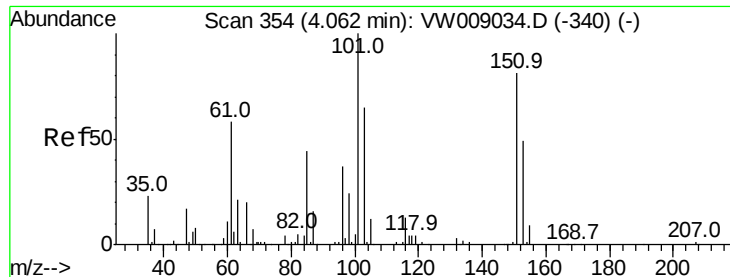


#8

Diethyl Ether
 Concen: 52.501 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VW009152.D
 Acq: 13 Mar 2019 13:06

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.3	52.3	157.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.988 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW009152.D

Acq: 13 Mar 2019 13:06

Instrument :

MSVOA_W

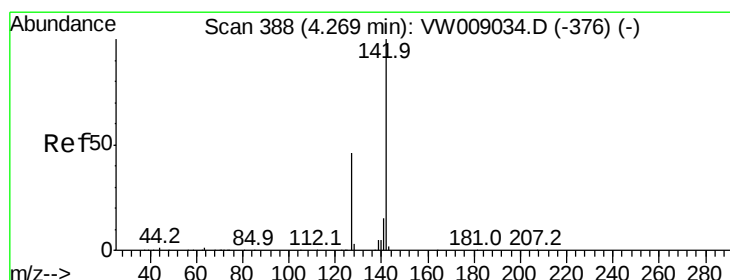
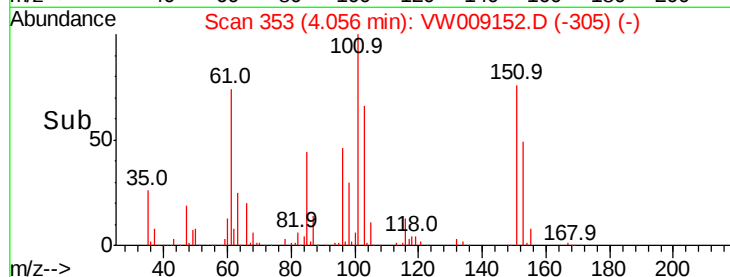
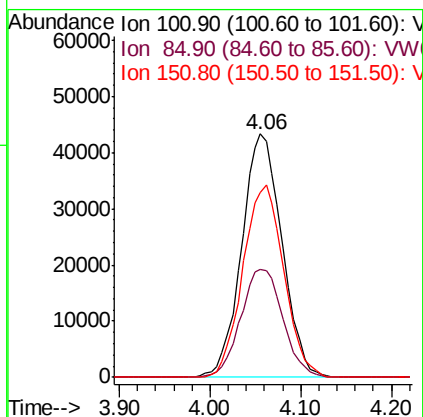
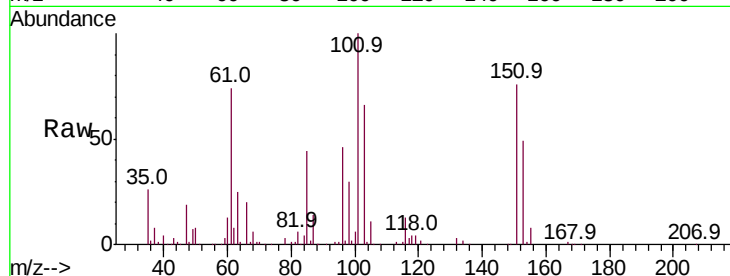
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	133051
Ion Ratio	Lower	Upper	
101	100		
85	46.4	36.2	54.4
151	80.2	63.4	95.2

Manual Integrations
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#10

Methyl Iodide

Concen: 48.012 ug/l

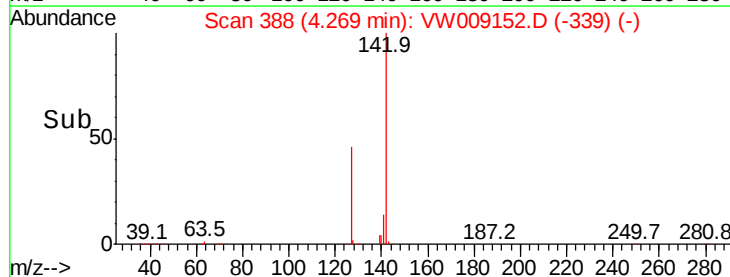
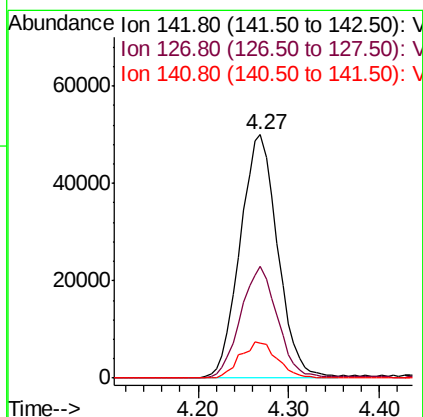
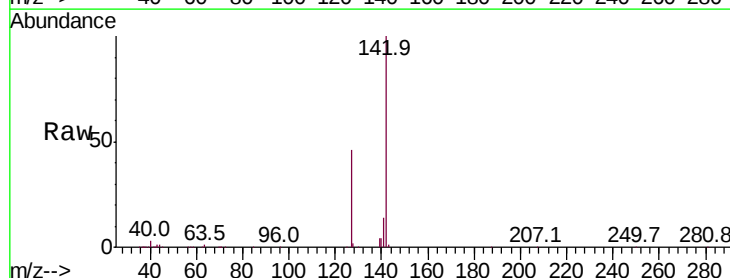
RT: 4.27 min Scan# 388

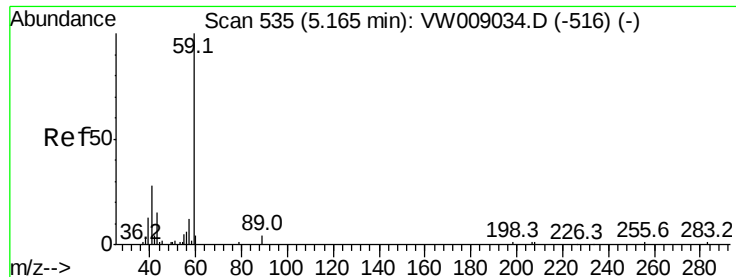
Delta R.T. 0.00 min

Lab File: VW009152.D

Acq: 13 Mar 2019 13:06

Tgt Ion:	142	Resp:	143988
Ion Ratio	Lower	Upper	
142	100		
127	44.7	35.8	53.6
141	14.8	11.8	17.8





#11

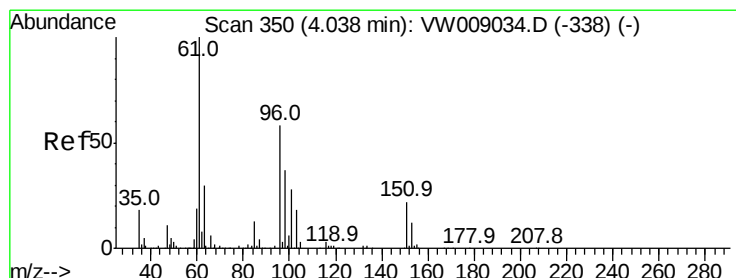
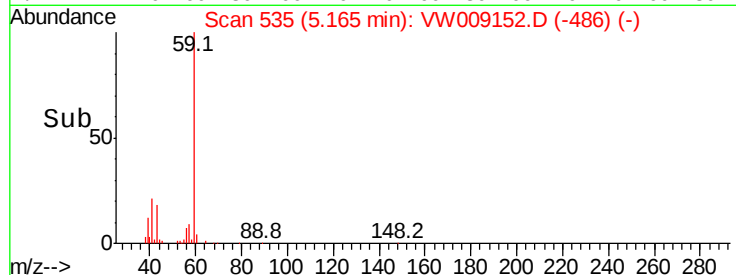
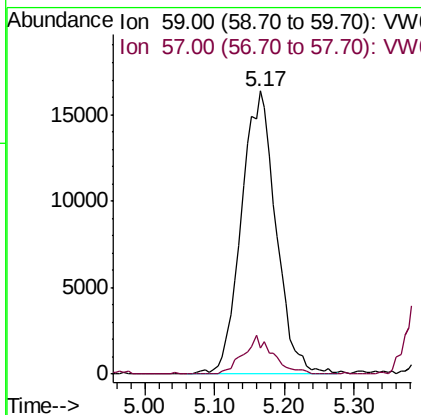
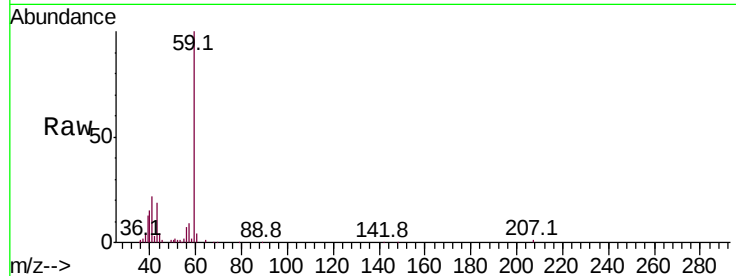
Tert butyl alcohol
 Concen: 274.607 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. -0.00 min
 Lab File: VW009152.D
 Acq: 13 Mar 2019 13:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.5	8.6	12.8

Manual Integrations
 APPROVED

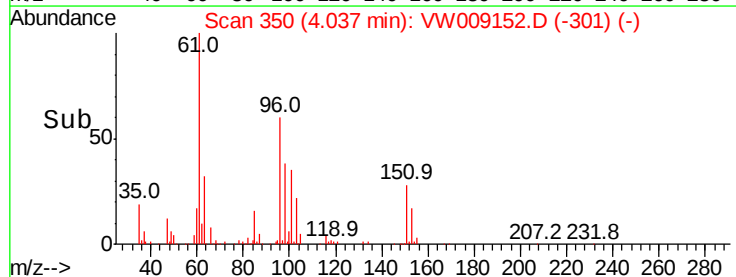
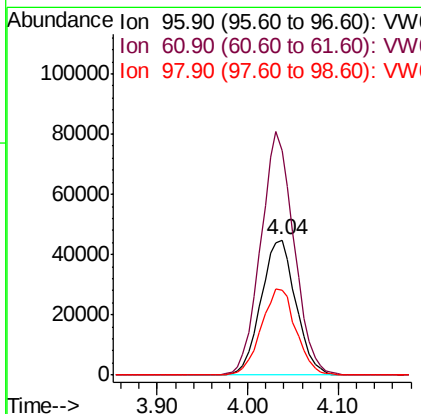
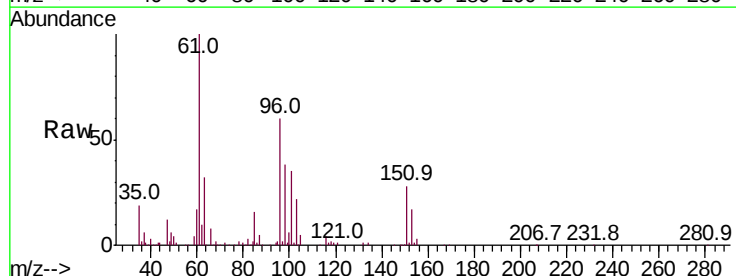
MMDadoda
 3/14/2019 3:33:15 PM

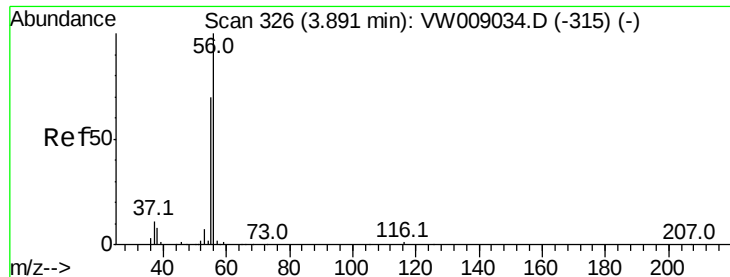


#12

1,1-Dichloroethene
 Concen: 49.641 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW009152.D
 Acq: 13 Mar 2019 13:06

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.9	138.2	207.2
98	63.2	51.3	76.9





#13

Acrolein

Concen: 231.231 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW009152.D

Acq: 13 Mar 2019 13:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 52203

Ion Ratio Lower Upper

56 100

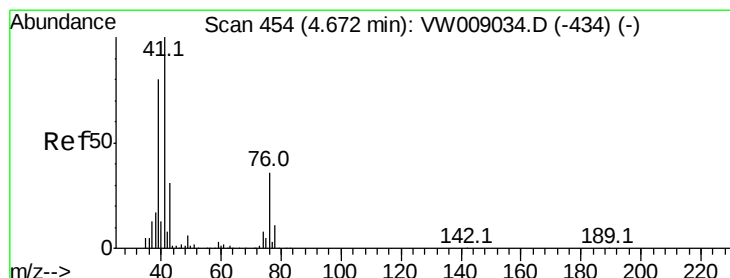
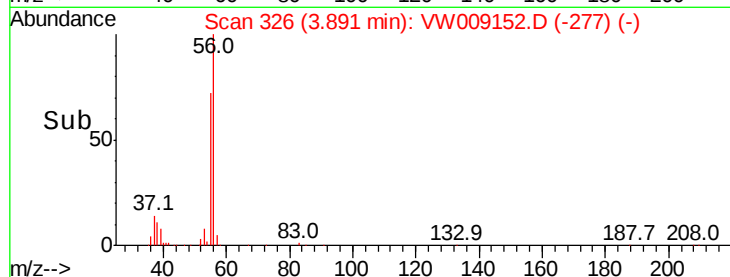
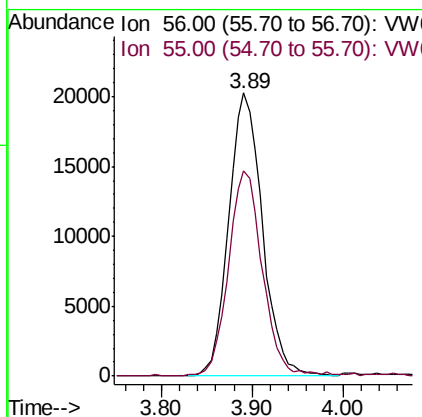
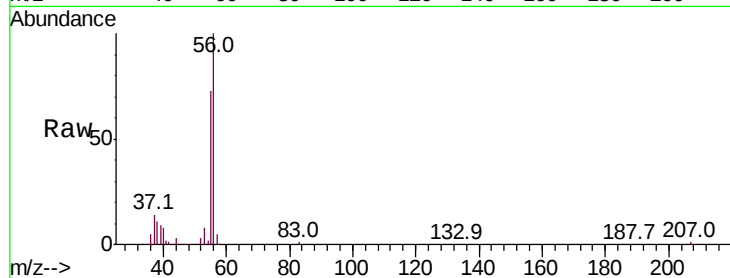
55 72.9 56.6 84.8

Manual Integrations

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MMDadoda

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#14

Allyl chloride

Concen: 51.865 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW009152.D

Acq: 13 Mar 2019 13:06

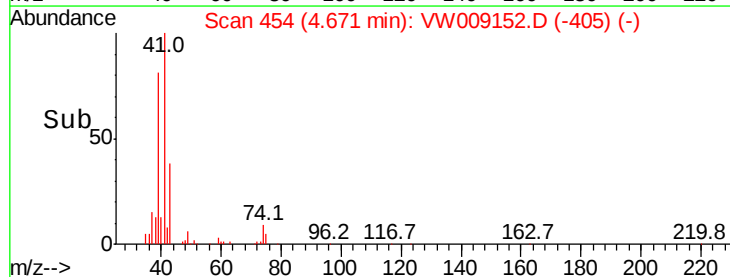
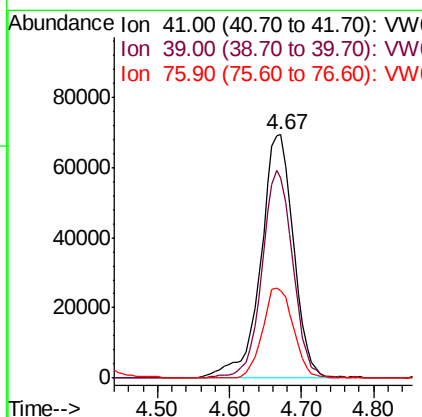
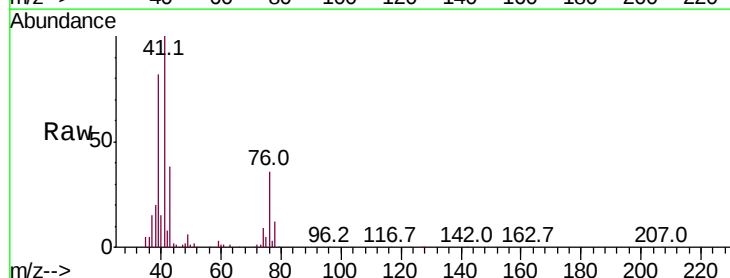
Tgt Ion: 41 Resp: 218800

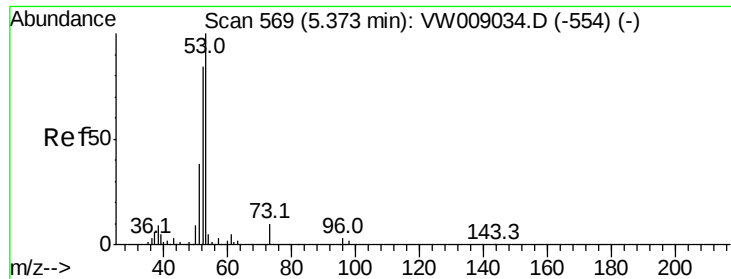
Ion Ratio Lower Upper

41 100

39 80.6 63.0 94.4

76 34.8 28.2 42.2





#15

Acrylonitrile

Concen: 295.670 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.01 min

Lab File: VW009152.D

Acq: 13 Mar 2019 13:06

Instrument :

MSVOA_W

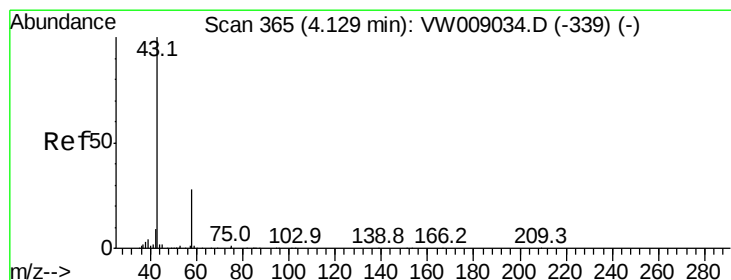
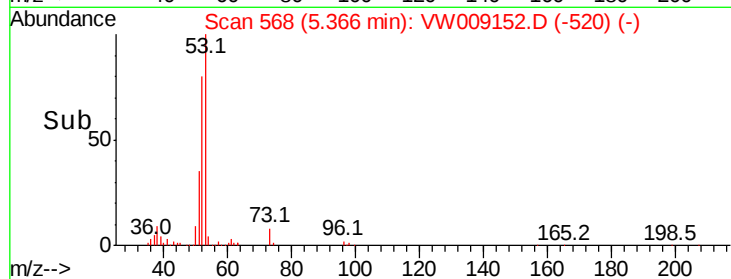
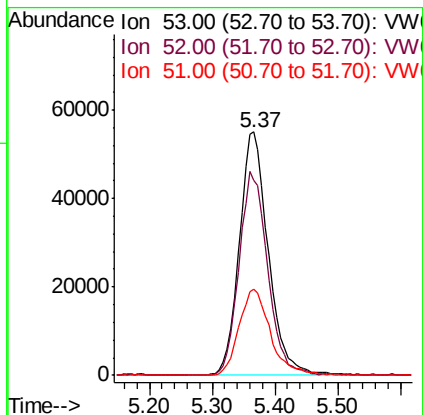
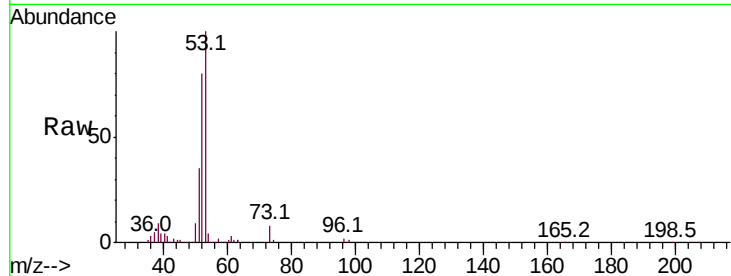
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	175652
Ion Ratio	Lower	Upper	
53	100		
52	82.5	67.2	100.8
51	38.5	31.8	47.6

Manual Integrations
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MMDadoda
3/14/2019 3:33:15 PM



#16

Acetone

Concen: 298.819 ug/l

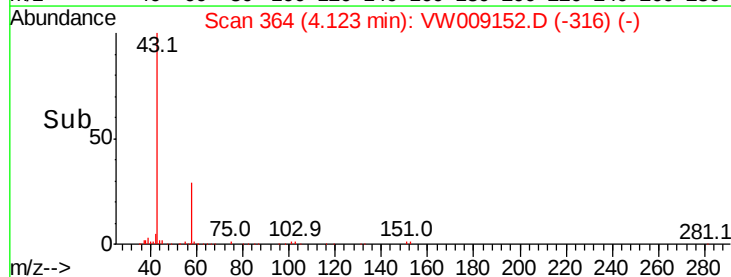
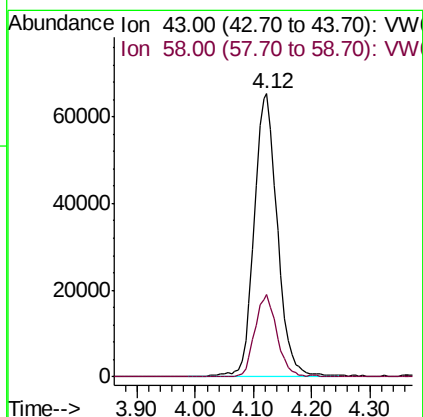
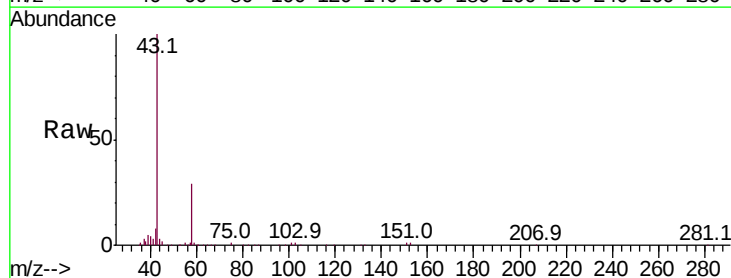
RT: 4.12 min Scan# 364

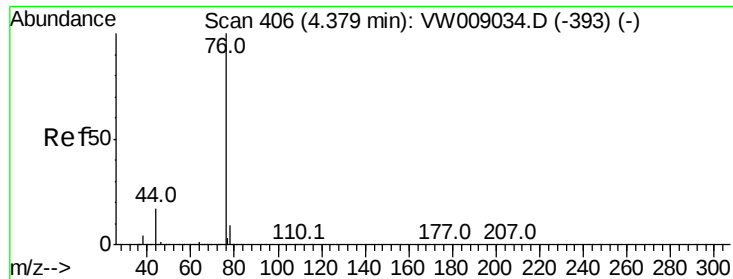
Delta R.T. -0.01 min

Lab File: VW009152.D

Acq: 13 Mar 2019 13:06

Tgt Ion:	43	Resp:	180533
Ion Ratio	Lower	Upper	
43	100		
58	29.1	22.5	33.7





#17

Carbon Disulfide

Concen: 49.790 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW009152.D

Acq: 13 Mar 2019 13:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 400649

Ion Ratio Lower Upper

76 100

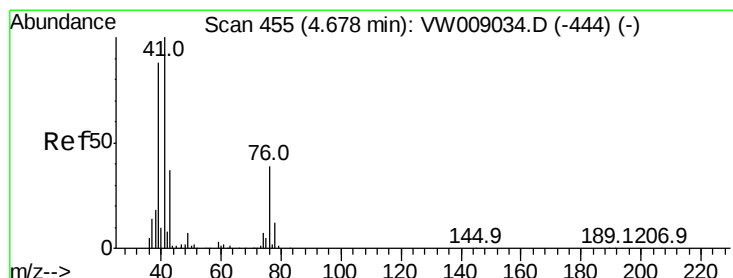
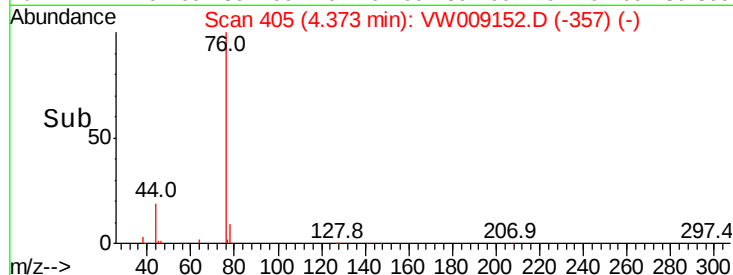
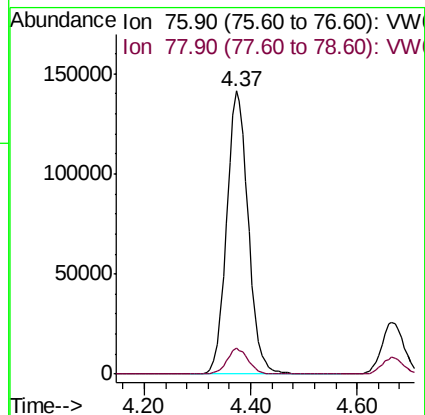
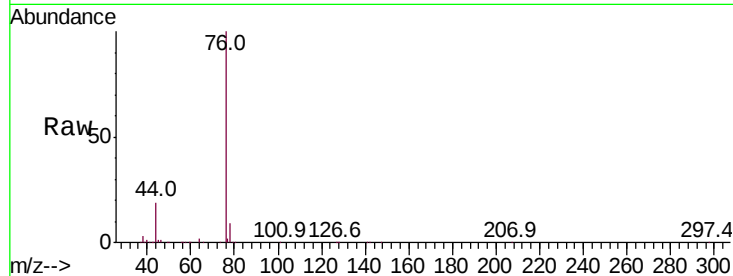
78 9.3 7.0 10.6

Manual Integrations

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3/14/2019 3:33:15 PM



#18

Methyl Acetate

Concen: 58.834 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW009152.D

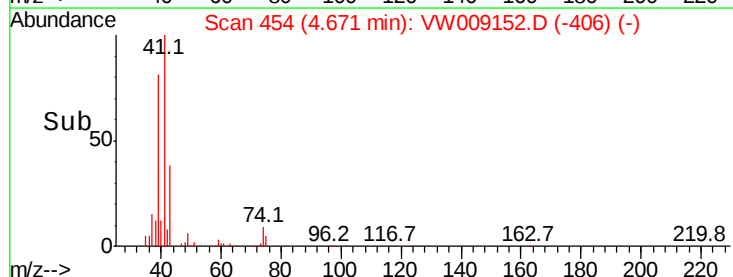
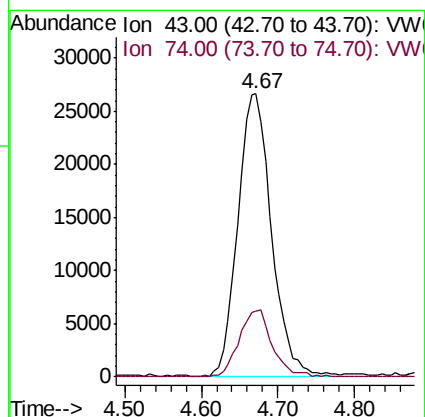
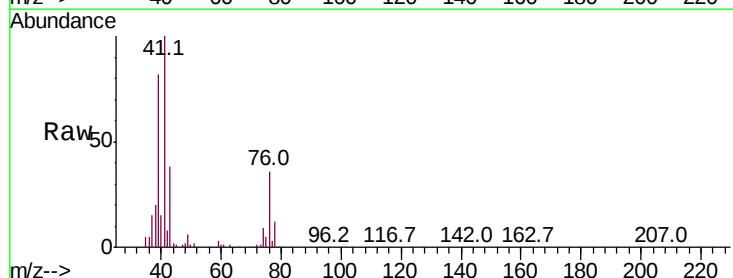
Acq: 13 Mar 2019 13:06

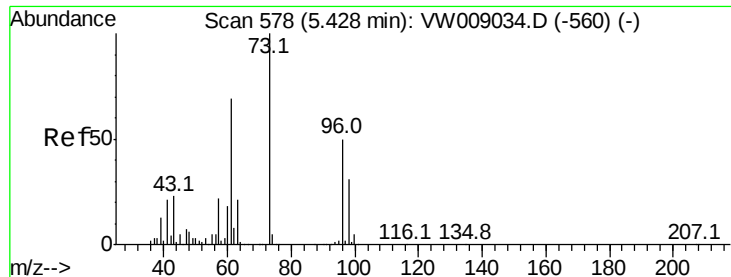
Tgt Ion: 43 Resp: 81736

Ion Ratio Lower Upper

43 100

74 23.3 17.6 26.4





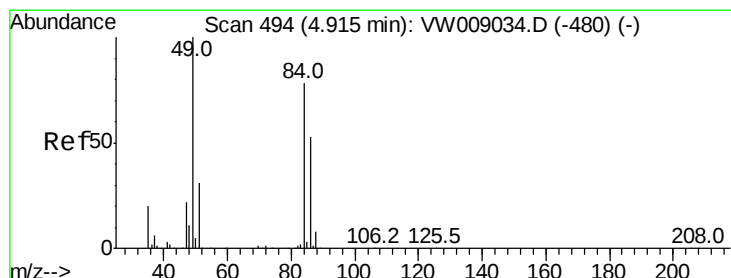
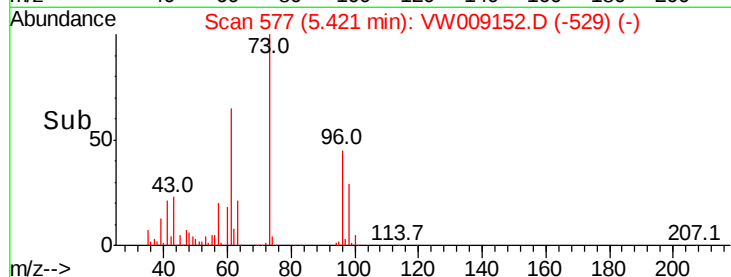
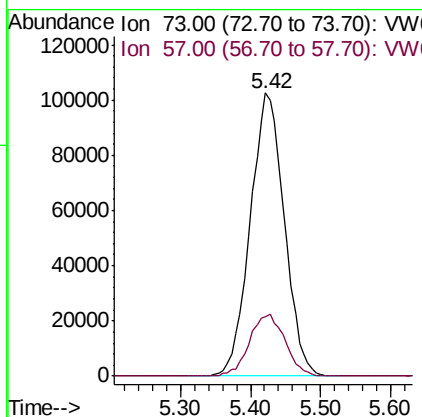
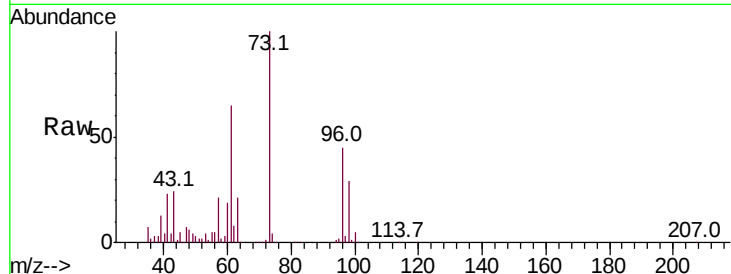
#19
Methyl tert-butyl Ether
Concen: 54.773 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW009152.D
Acq: 13 Mar 2019 13:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 346524
Ion Ratio Lower Upper
73 100
57 20.8 17.3 25.9

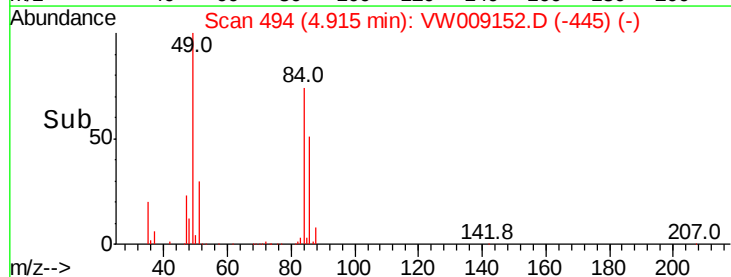
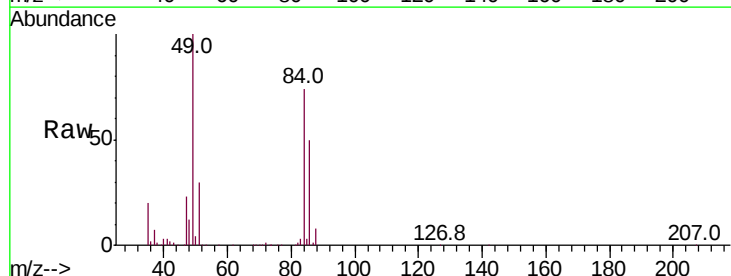
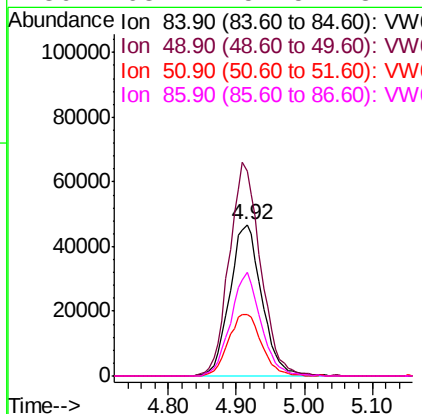
Manual Integrations
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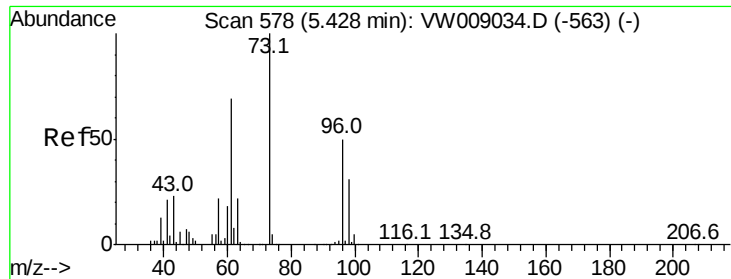
MMDadoda
3/14/2019 3:33:15 PM



#20
Methylene Chloride
Concen: 54.105 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW009152.D
Acq: 13 Mar 2019 13:06

Tgt Ion: 84 Resp: 152502
Ion Ratio Lower Upper
84 100
49 135.4 102.4 153.6
51 40.9 31.6 47.4
86 68.2 54.5 81.7





#21

trans-1,2-Dichloroethene

Concen: 50.659 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW009152.D

Acq: 13 Mar 2019 13:06

Instrument :

MSVOA_W

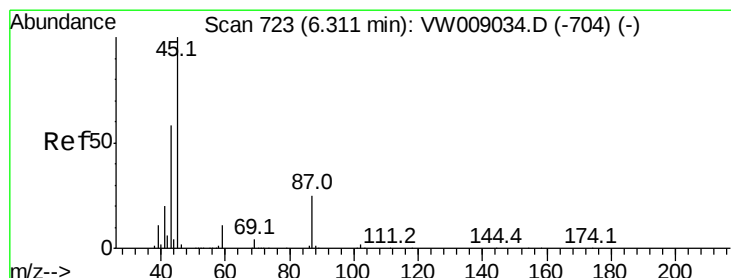
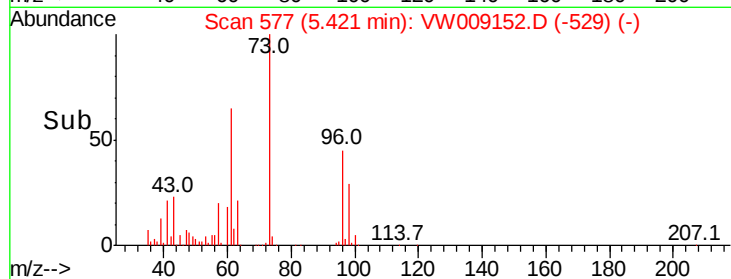
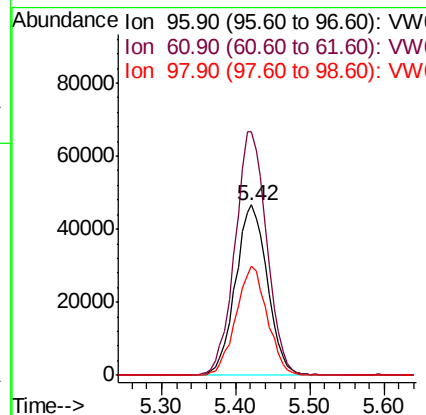
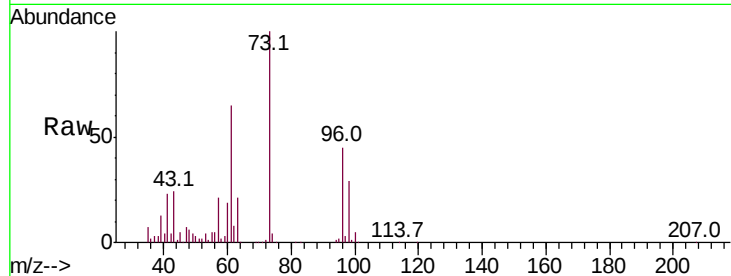
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	139895
Ion Ratio	Lower	Upper	
96	100		
61	142.9	111.0	166.6
98	64.1	49.4	74.0

Manual Integrations
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3/14/2019 3:33:15 PM



#22

Diisopropyl ether

Concen: 56.308 ug/l

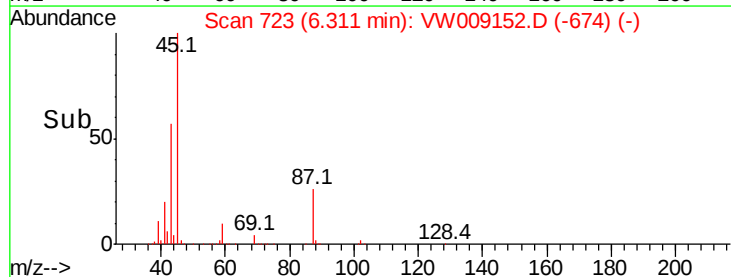
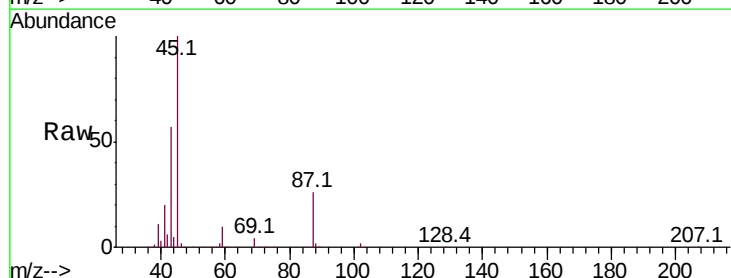
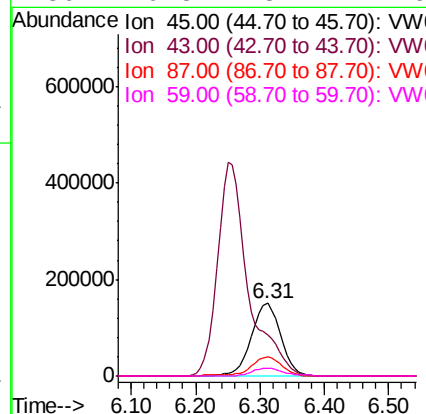
RT: 6.31 min Scan# 723

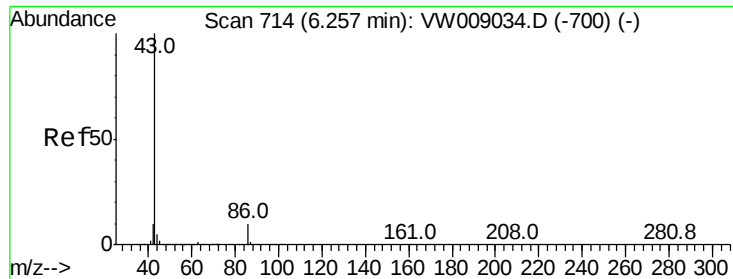
Delta R.T. -0.00 min

Lab File: VW009152.D

Acq: 13 Mar 2019 13:06

Tgt Ion:	45	Resp:	472061
Ion Ratio	Lower	Upper	
45	100		
43	56.5	46.2	69.4
87	26.2	20.1	30.1
59	10.3	8.4	12.6





#23

Vinyl Acetate

Concen: 283.464 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW009152.D

Acq: 13 Mar 2019 13:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1478840

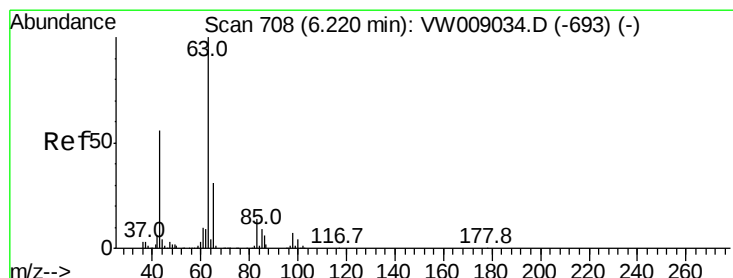
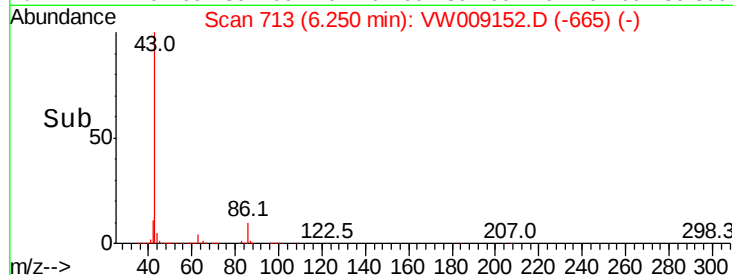
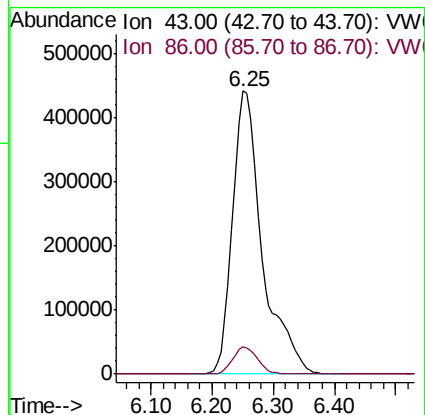
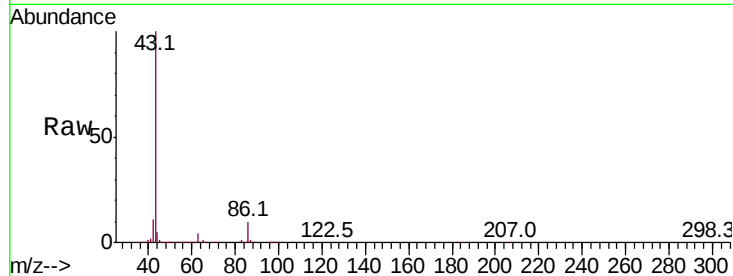
Ion Ratio Lower Upper

43 100

86 9.7 7.6 11.4

Manual Integrations
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MMDadoda
3/14/2019 3:33:15 PM



#24

1,1-Dichloroethane

Concen: 51.813 ug/l

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW009152.D

Acq: 13 Mar 2019 13:06

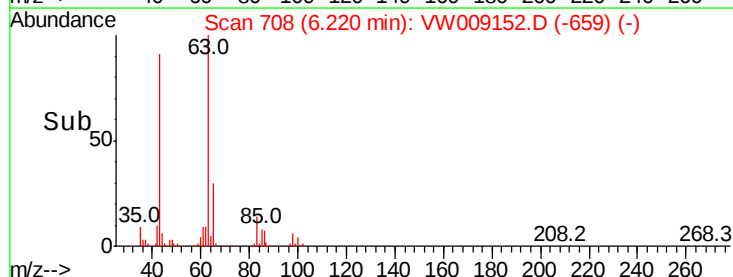
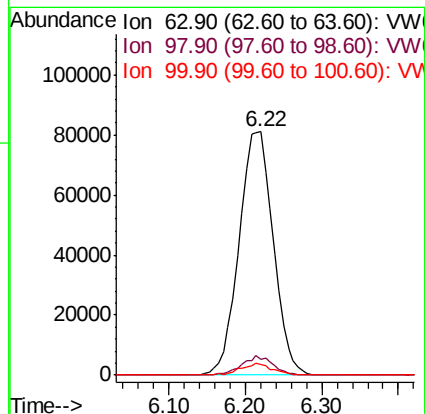
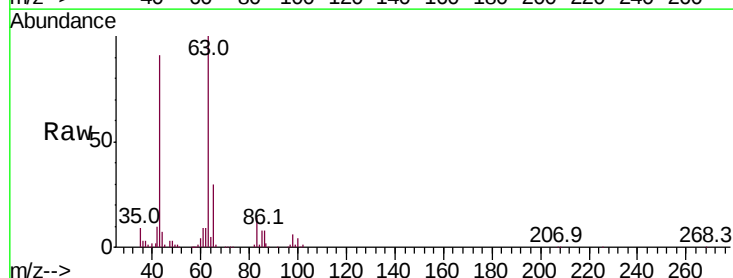
Tgt Ion: 63 Resp: 251950

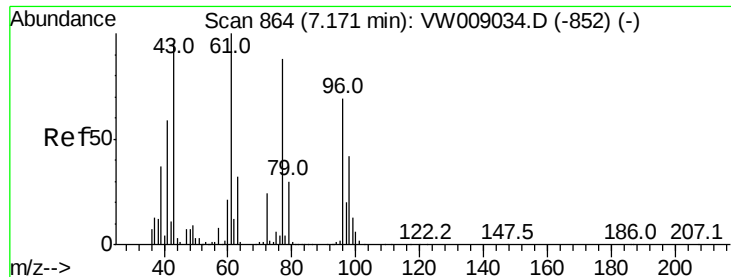
Ion Ratio Lower Upper

63 100

98 6.5 3.4 10.2

100 4.4 2.1 6.2





#25

2-Butanone

Concen: 285.906 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW009152.D

Acq: 13 Mar 2019 13:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 238718

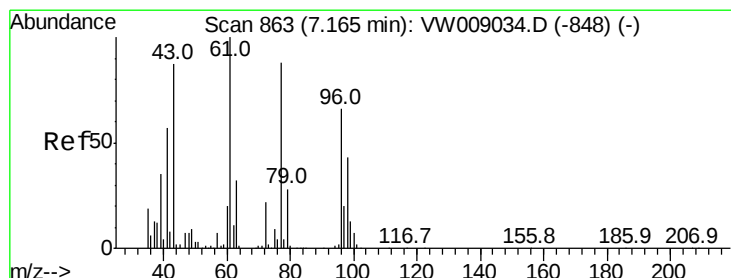
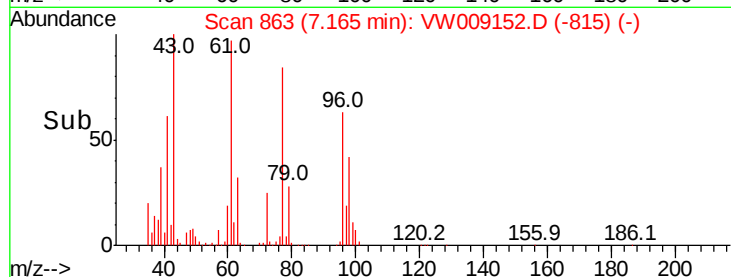
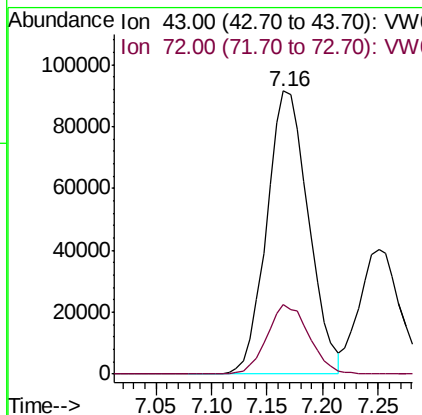
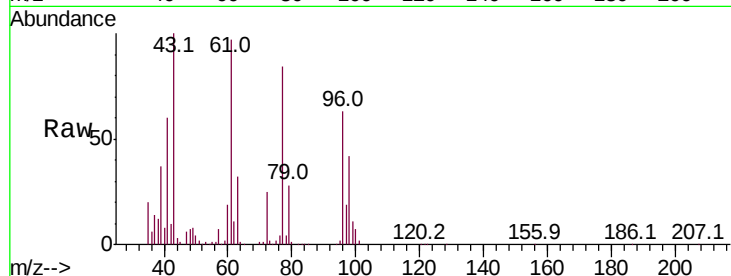
Ion Ratio Lower Upper

43 100

72 24.8 20.0 30.0

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 50.765 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW009152.D

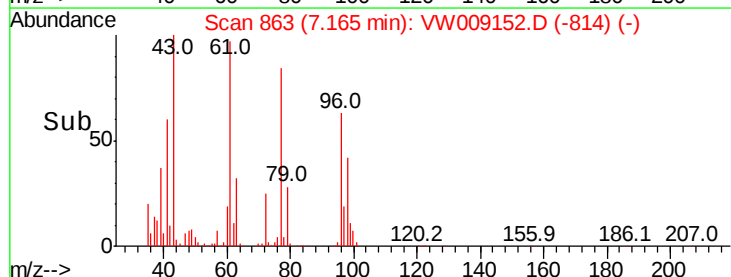
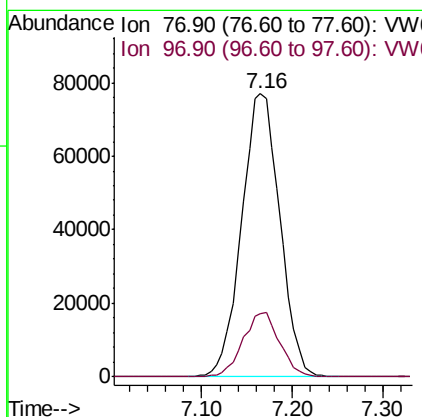
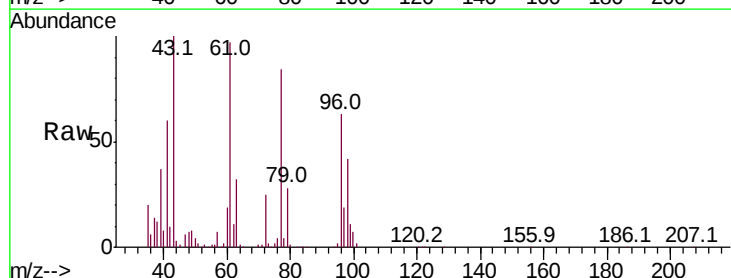
Acq: 13 Mar 2019 13:06

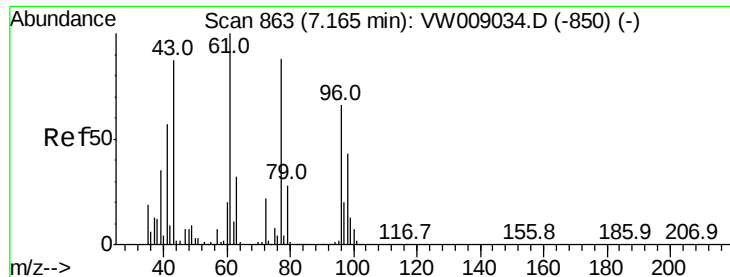
Tgt Ion: 77 Resp: 224382

Ion Ratio Lower Upper

77 100

97 21.7 10.9 32.9





#27

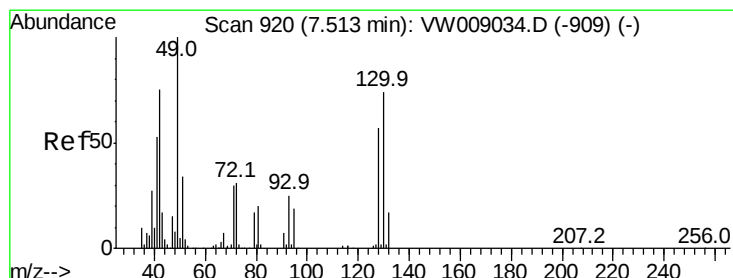
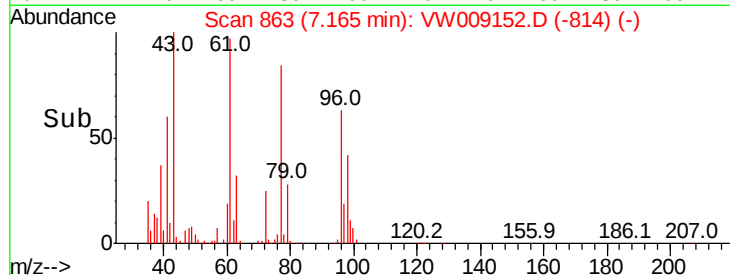
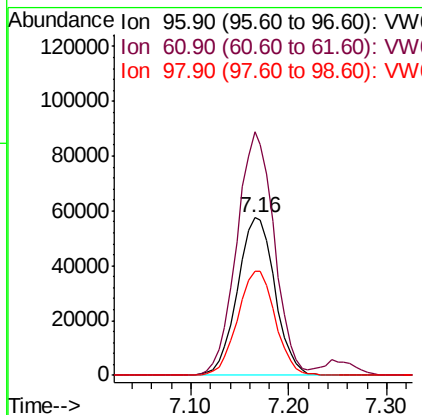
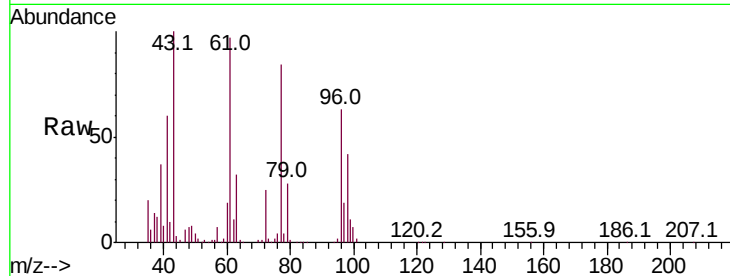
cis-1,2-Dichloroethene
Concen: 51.447 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW009152.D
Acq: 13 Mar 2019 13:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.4	0.0	299.8
98	66.2	0.0	127.2

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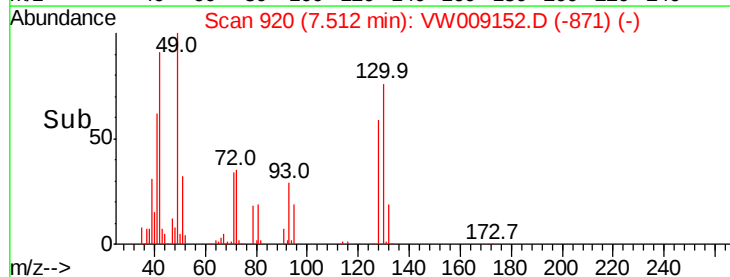
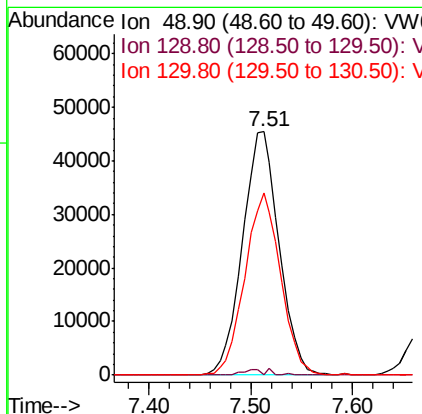
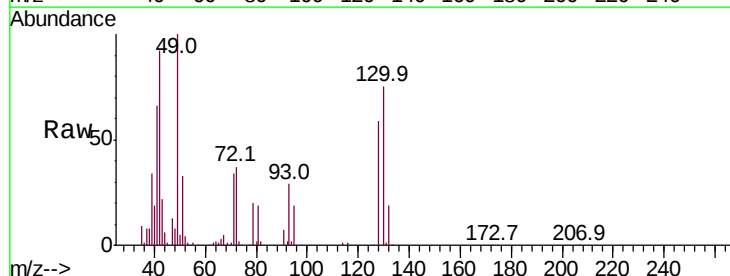
MMDadoda
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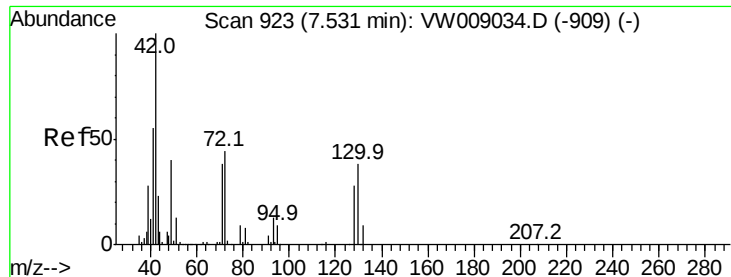


#28

Bromochloromethane
Concen: 56.064 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW009152.D
Acq: 13 Mar 2019 13:06

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	4.6
130	73.1	60.4	90.6





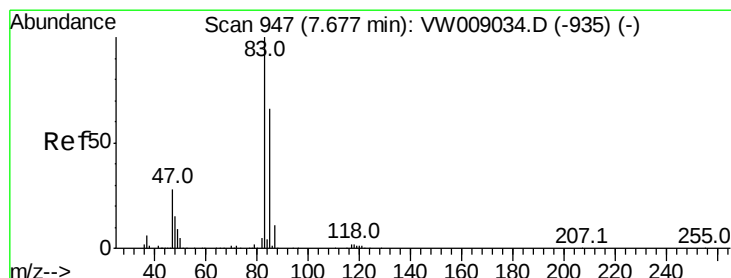
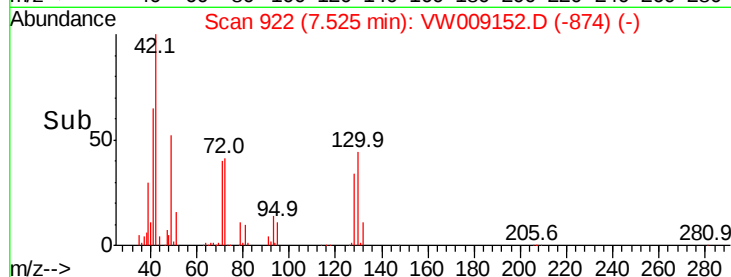
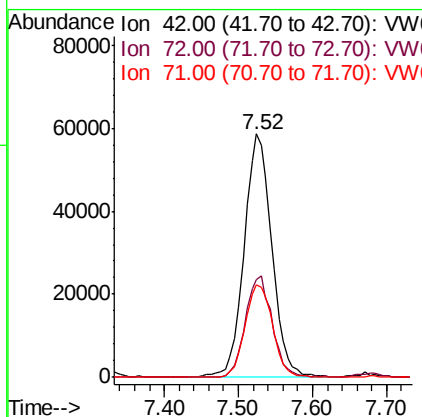
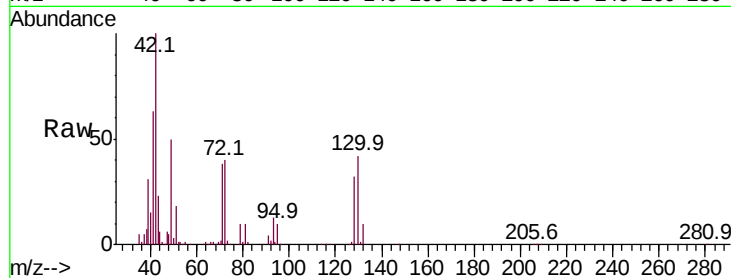
#29
Tetrahydrofuran
Concen: 291.219 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW009152.D
Acq: 13 Mar 2019 13:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.3	32.2	48.4
71	38.1	30.7	46.1

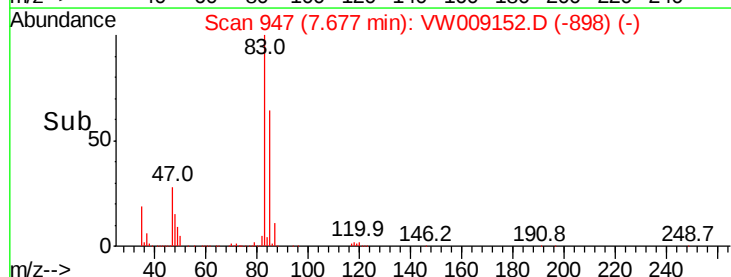
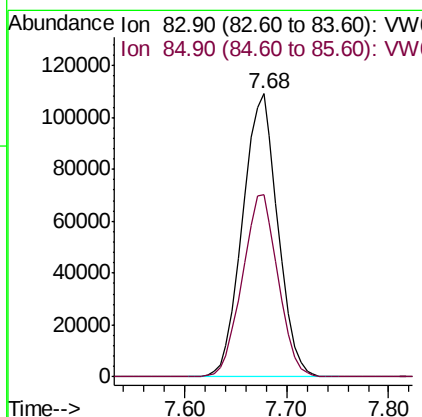
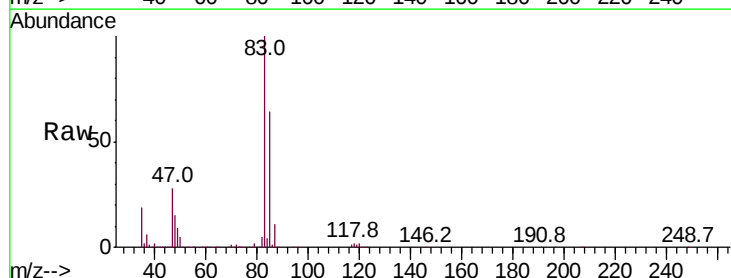
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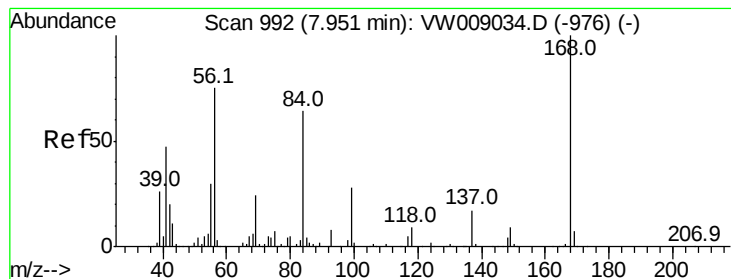
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#30
Chloroform
Concen: 52.316 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW009152.D
Acq: 13 Mar 2019 13:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	53.0	79.6





#31

Cvclohexane

Concen: 48.890 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW009152.D

Acq: 13 Mar 2019 13:06

Instrument :

MSVOA_W

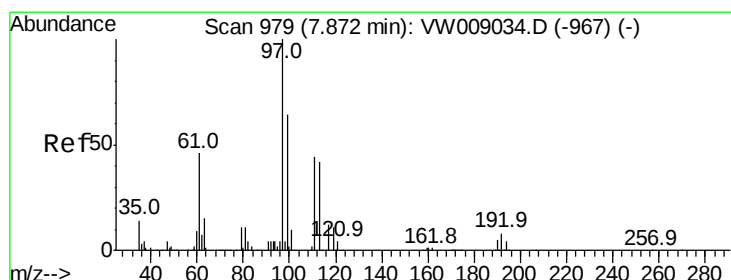
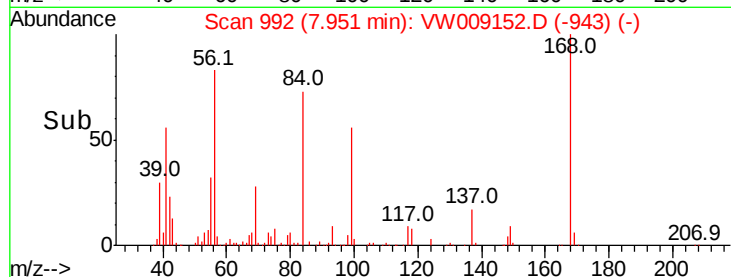
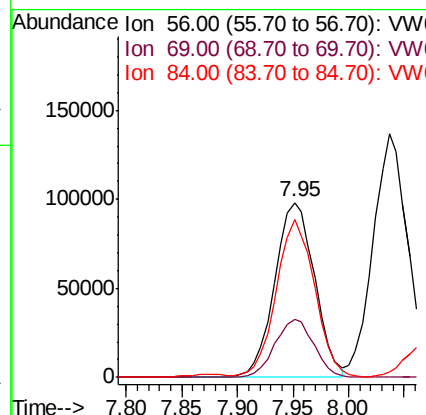
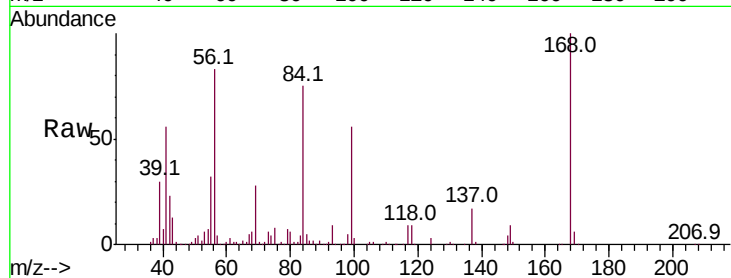
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	244103
Ion Ratio	Lower	Upper	
56	100		
69	33.2	25.5	38.3
84	89.2	68.6	103.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 52.214 ug/l

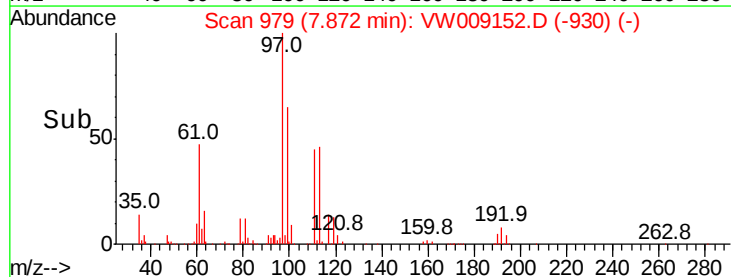
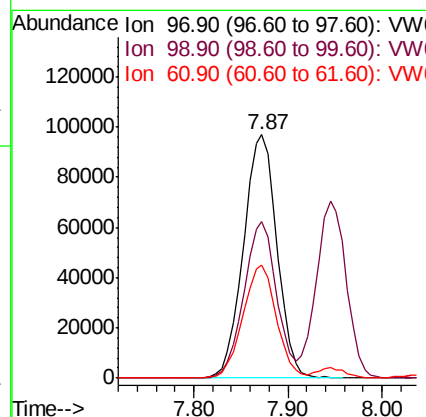
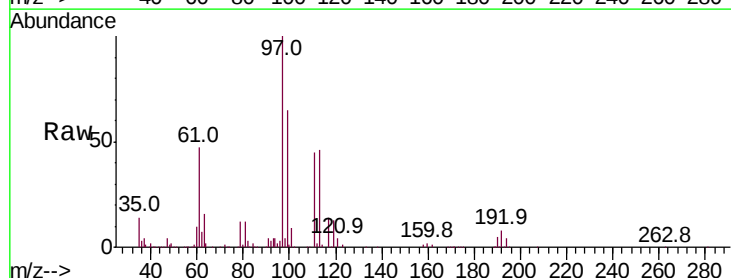
RT: 7.87 min Scan# 979

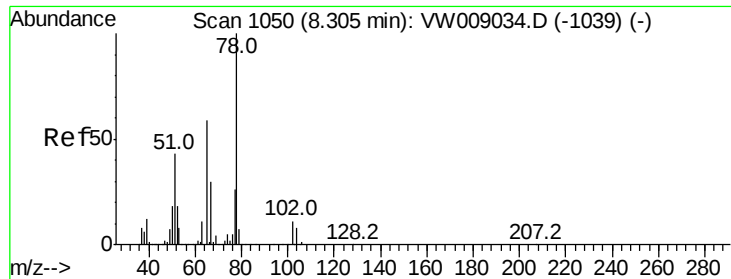
Delta R.T. -0.00 min

Lab File: VW009152.D

Acq: 13 Mar 2019 13:06

Tgt Ion:	97	Resp:	241235
Ion Ratio	Lower	Upper	
97	100		
99	63.1	51.8	77.8
61	46.4	37.3	55.9





#33

1,2-Dichloroethane-d4

Concen: 56.134 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW009152.D

Acq: 13 Mar 2019 13:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 150288

Ion Ratio Lower Upper

65 100

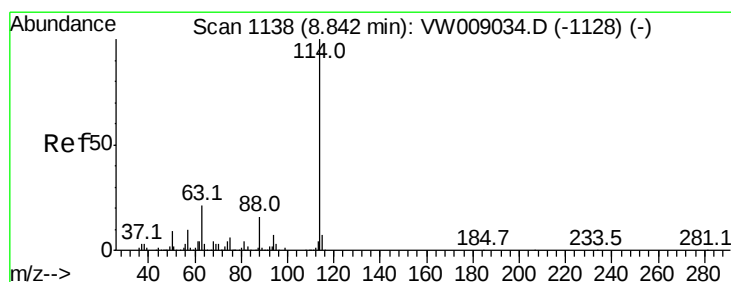
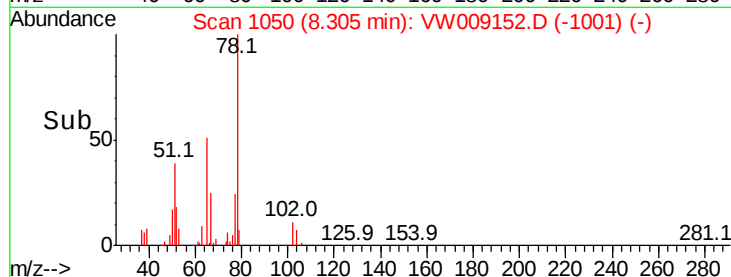
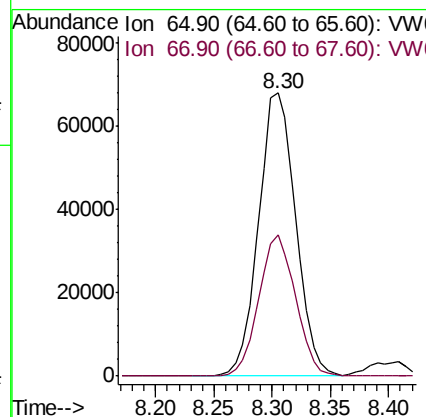
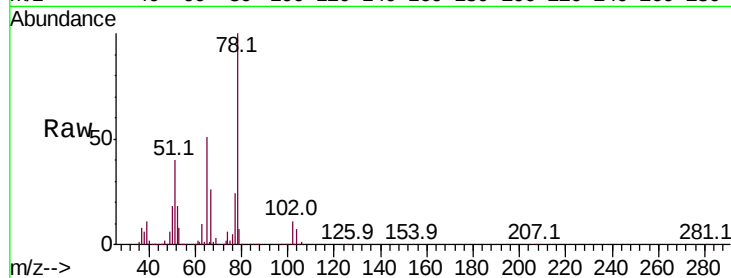
67 49.4 0.0 103.0

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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: VW009152.D

Acq: 13 Mar 2019 13:06

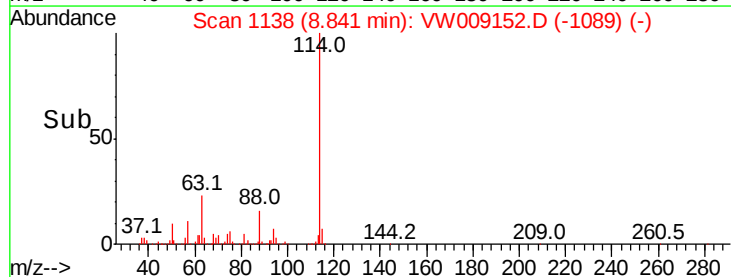
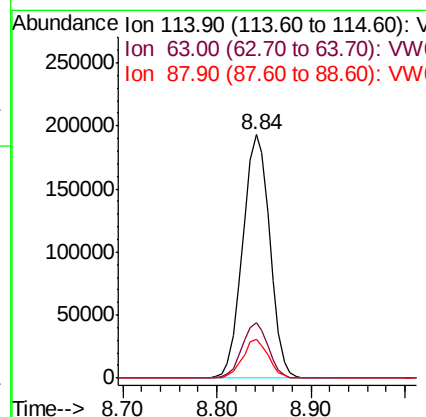
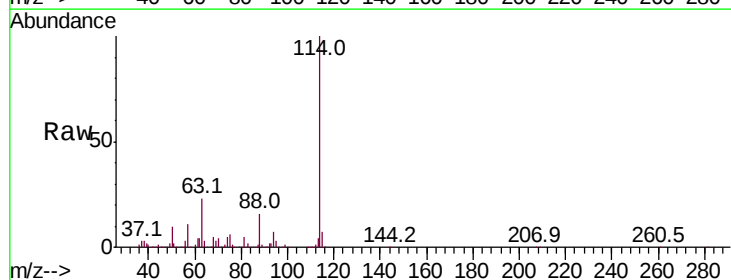
Tgt Ion: 114 Resp: 387913

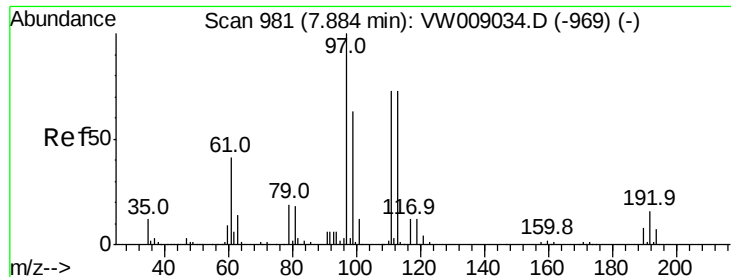
Ion Ratio Lower Upper

114 100

63 22.7 0.0 41.2

88 16.1 0.0 31.2





#35

Dibromofluoromethane

Concen: 54.450 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW009152.D

Acq: 13 Mar 2019 13:06

Instrument :

MSVOA_W

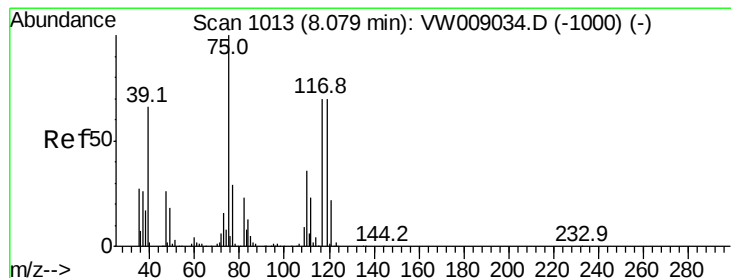
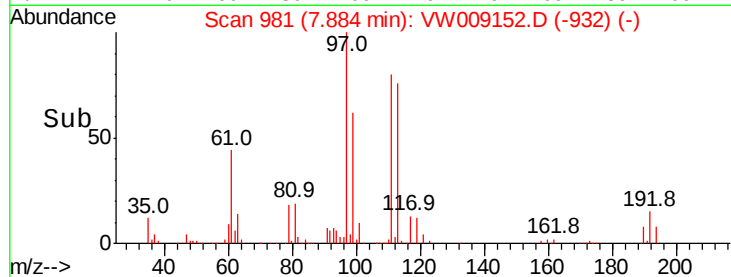
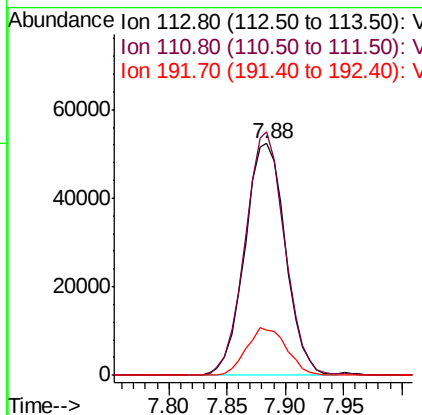
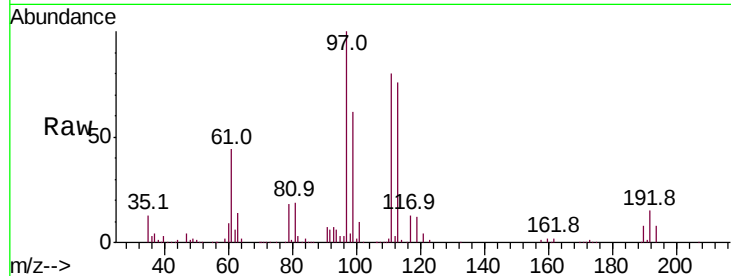
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	127172
Ion Ratio	Lower	Upper	
113	100		
111	102.6	81.0	121.4
192	20.5	17.1	25.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 50.991 ug/l

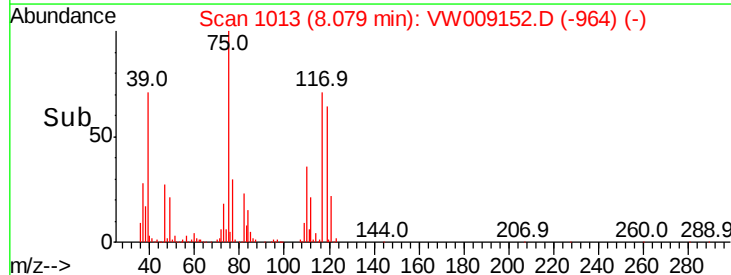
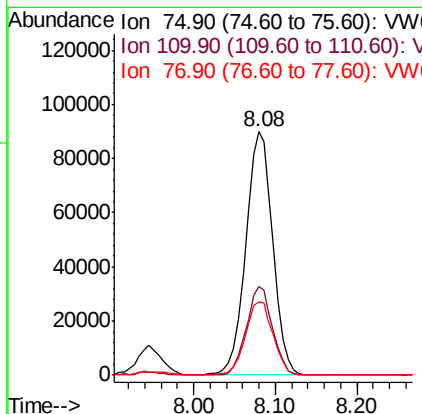
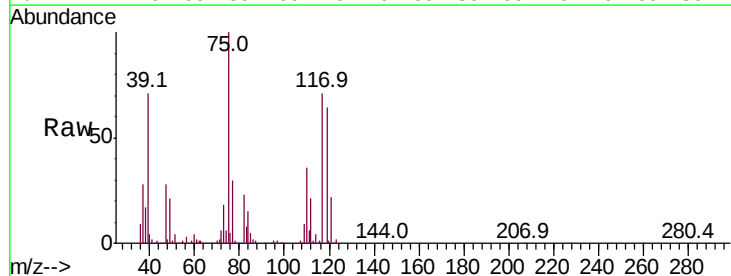
RT: 8.08 min Scan# 1013

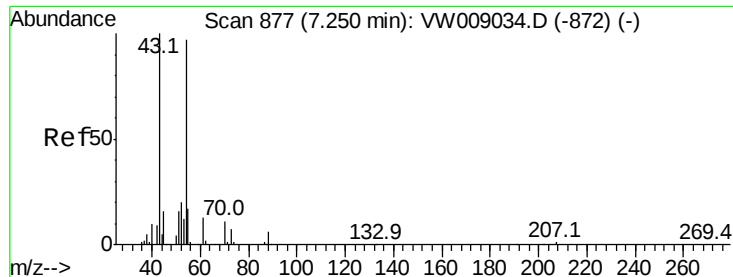
Delta R.T. -0.00 min

Lab File: VW009152.D

Acq: 13 Mar 2019 13:06

Tgt Ion:	75	Resp:	206825
Ion Ratio	Lower	Upper	
75	100		
110	35.2	17.6	52.9
77	31.0	25.1	37.7





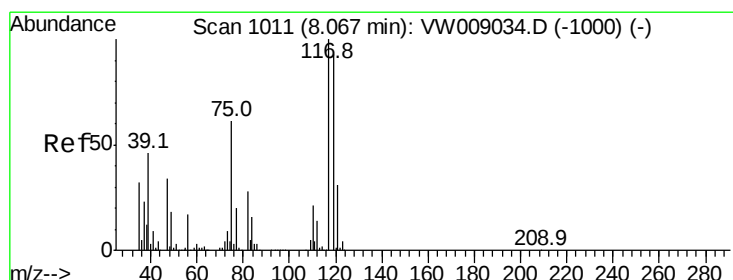
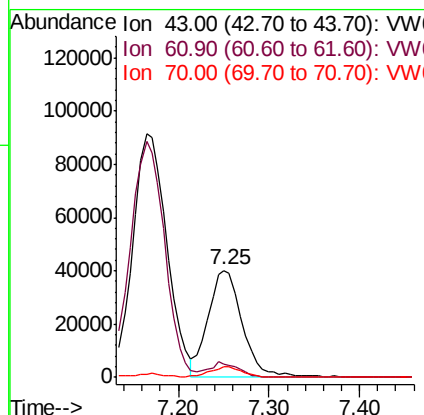
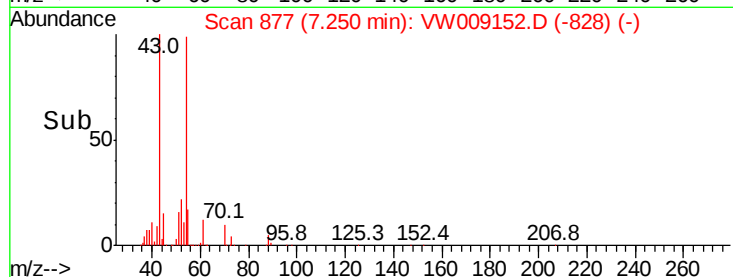
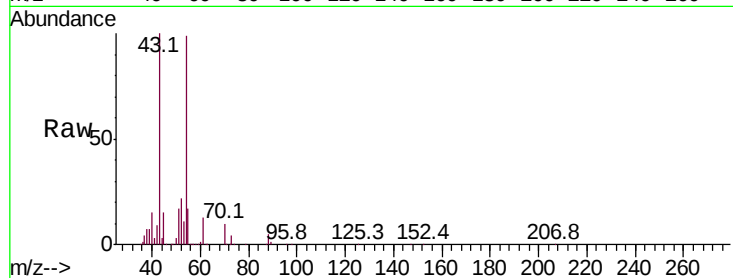
#37
Ethyl Acetate
Concen: 55.214 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW009152.D
Acq: 13 Mar 2019 13:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	105194
Ion Ratio	Lower	Upper	
43	100		
61	11.7	9.8	14.6
70	9.5	7.2	10.8

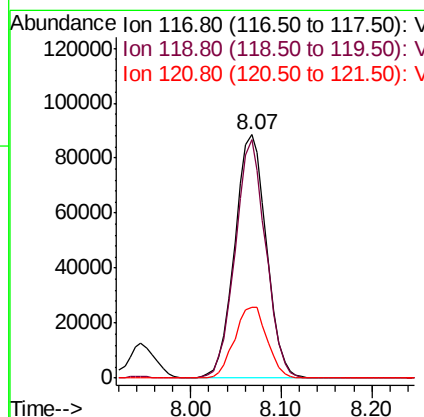
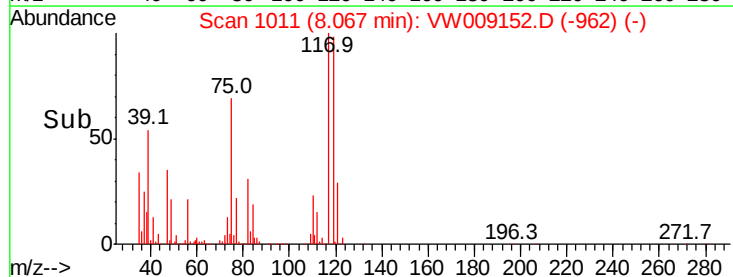
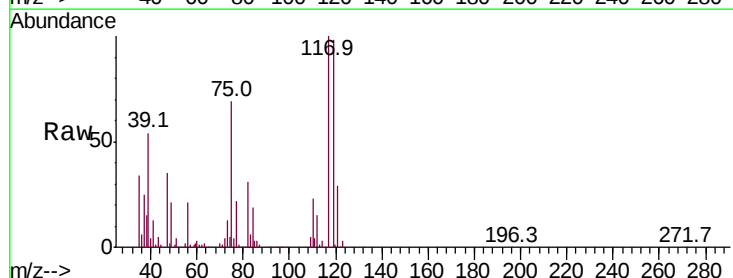
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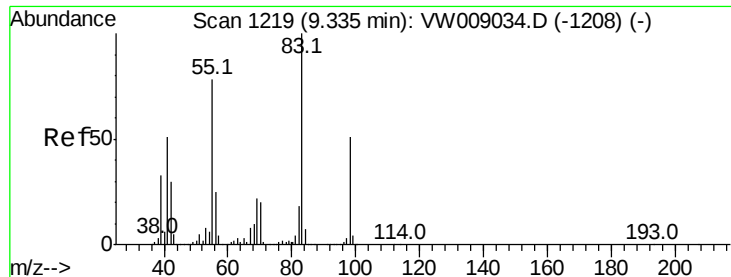
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#38
Carbon Tetrachloride
Concen: 51.097 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW009152.D
Acq: 13 Mar 2019 13:06

Tgt Ion	117	Resp	214039
Ion Ratio	Lower	Upper	
117	100		
119	98.0	74.6	112.0
121	29.1	24.7	37.1





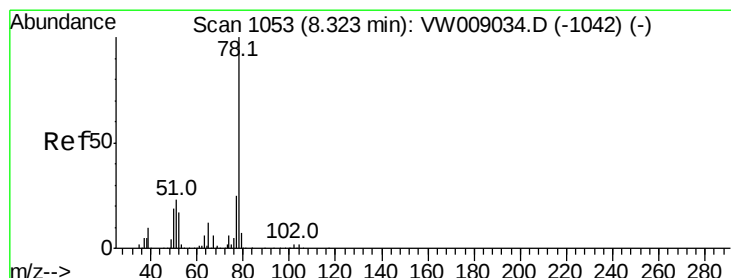
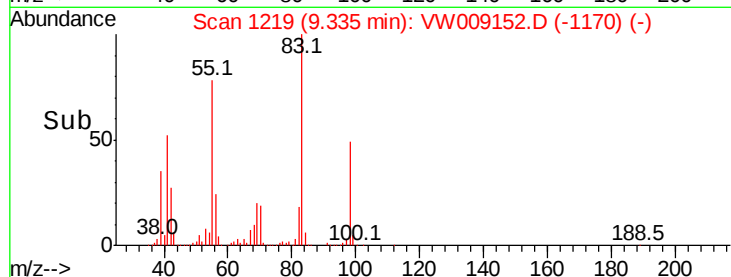
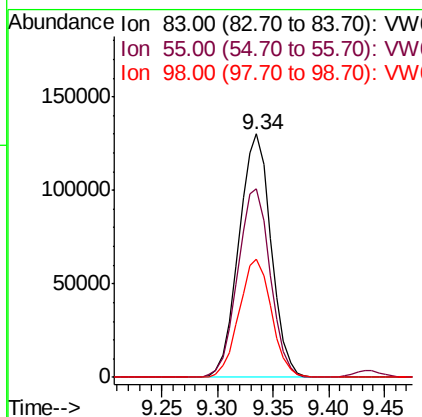
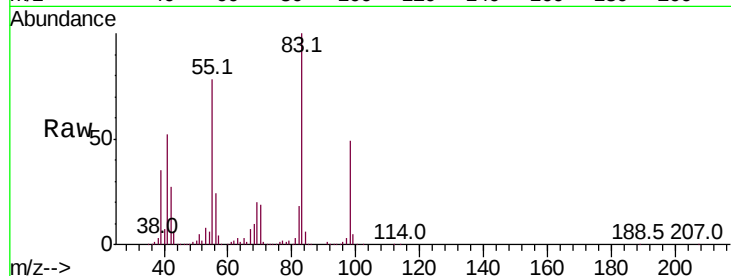
#39
Methvlcvclohexane
Concen: 54.013 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW009152.D
Acq: 13 Mar 2019 13:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.5	62.7	94.1
98	48.8	40.8	61.2

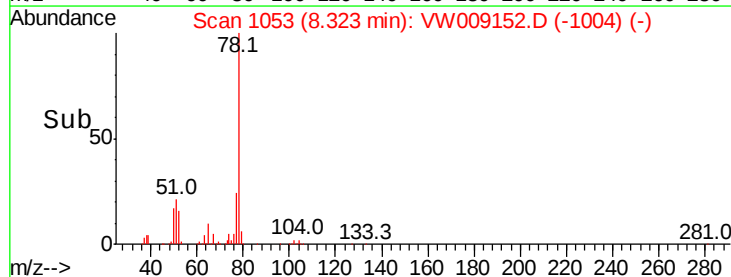
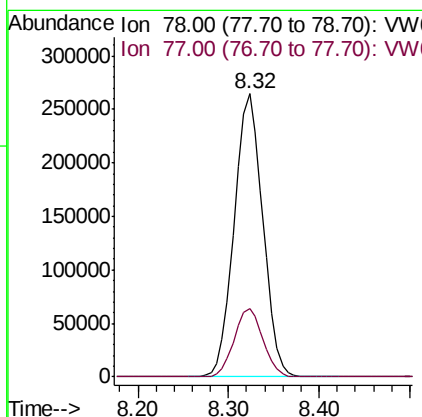
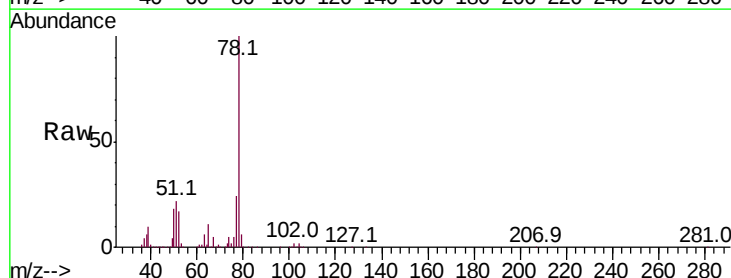
Manual Integrations
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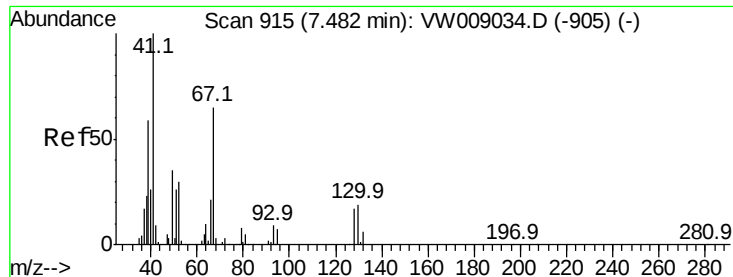
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#40
Benzene
Concen: 53.444 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW009152.D
Acq: 13 Mar 2019 13:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	20.2	30.4





#41

Methacrylonitrile

Concen: 58.805 ug/l

RT: 7.49 min Scan# 916

Delta R.T. 0.01 min

Lab File: VW009152.D

Acq: 13 Mar 2019 13:06

Instrument :

MSVOA_W

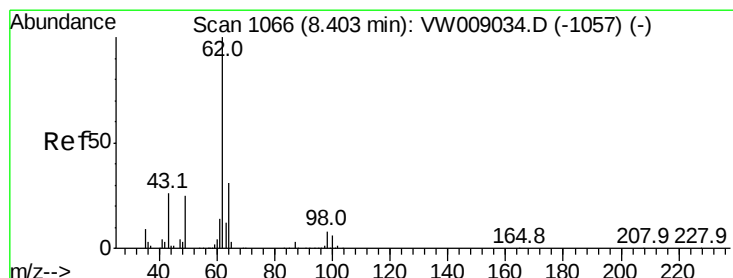
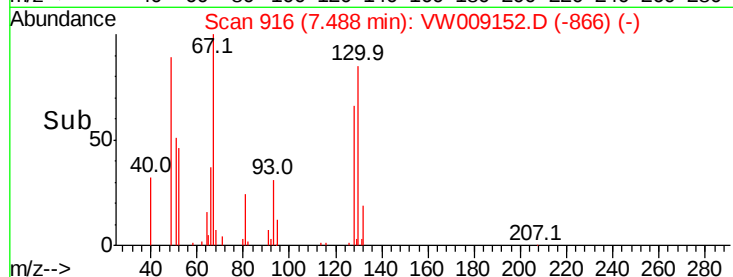
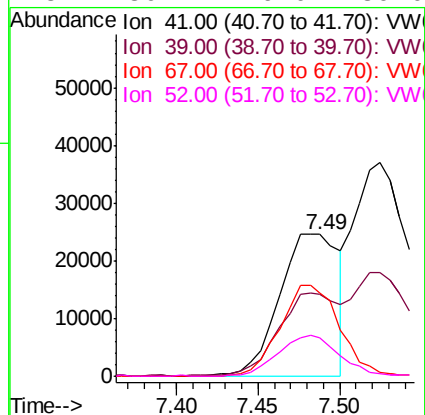
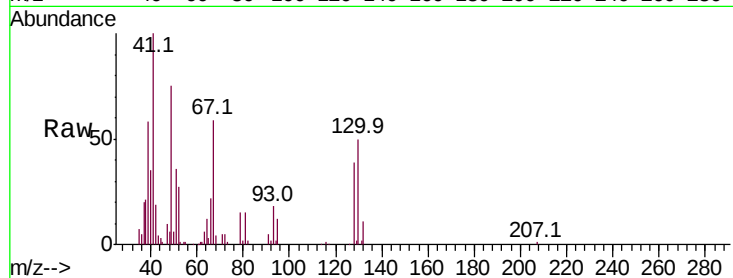
ClientSampleId :

VSTDCCC050EC

Tot Ion:	41	Resp:	62214
Ion	Ratio	Lower	Upper
41	100		
39	57.8	53.6	80.4
67	64.4	57.6	86.4
52	30.1	26.0	39.0

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 53.800 ug/l

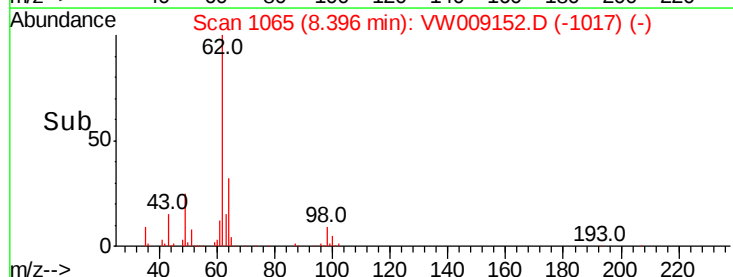
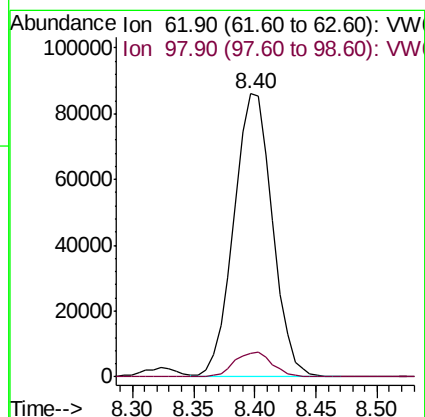
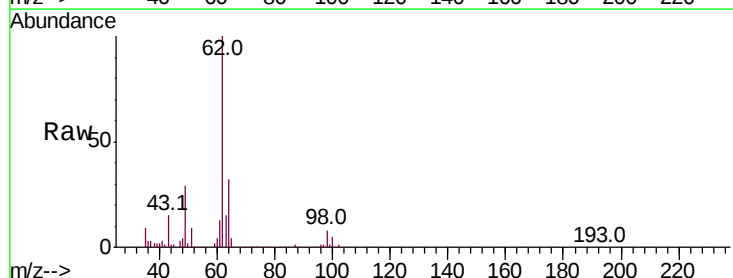
RT: 8.40 min Scan# 1065

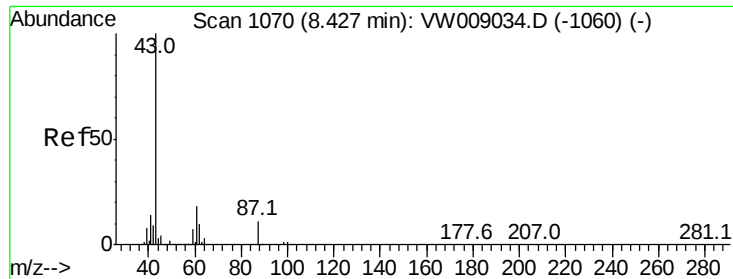
Delta R.T. -0.01 min

Lab File: VW009152.D

Acq: 13 Mar 2019 13:06

Tgt Ion:	62	Resp:	188062
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.6





#43

Isopropyl Acetate

Concen: 58.202 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW009152.D

Acq: 13 Mar 2019 13:06

Instrument :

MSVOA_W

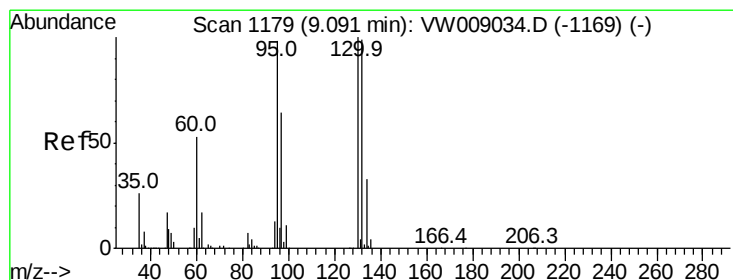
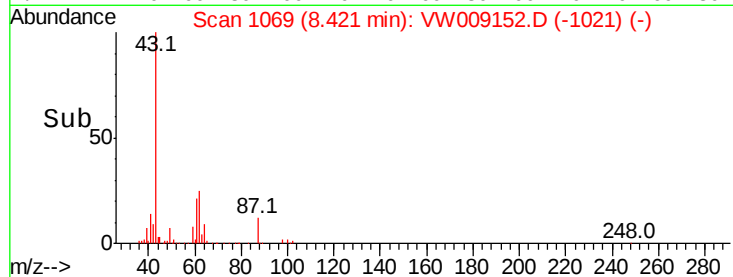
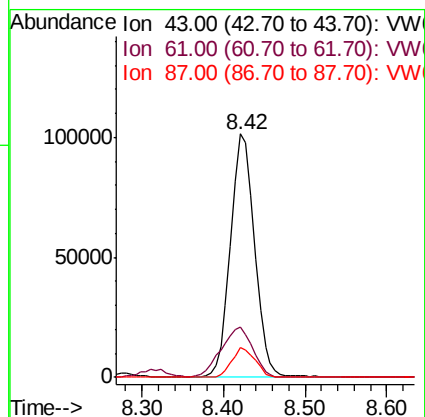
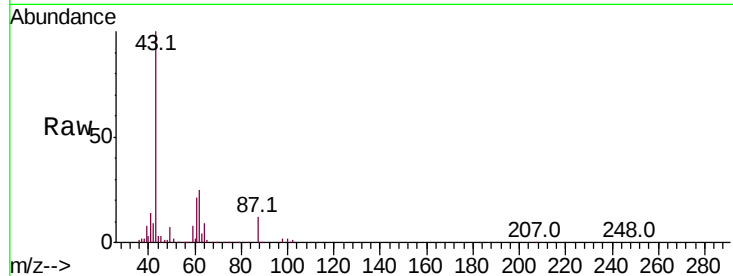
ClientSampleID :

VSTDCCC050EC

Tot Ion:	43	Resp:	206523
Ion	Ratio	Lower	Upper
43	100		
61	27.2	22.8	34.2
87	12.0	9.4	14.2

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#44

Trichloroethene

Concen: 50.253 ug/l

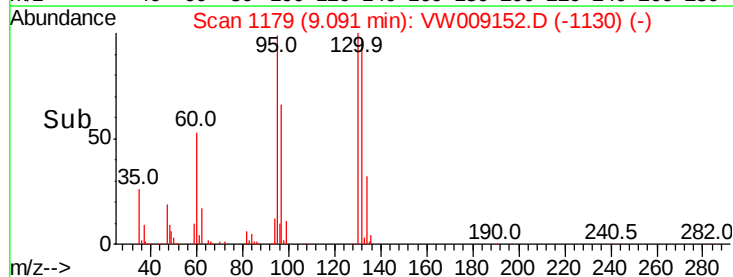
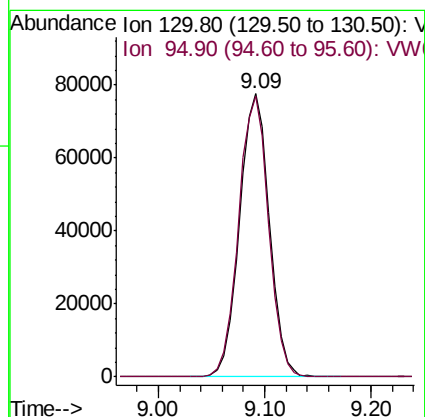
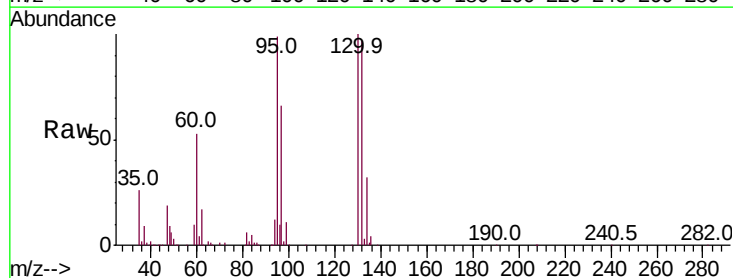
RT: 9.09 min Scan# 1179

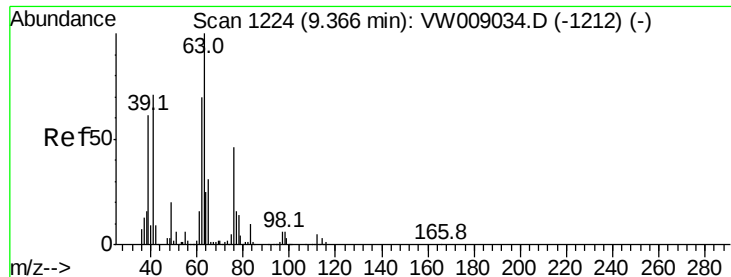
Delta R.T. -0.00 min

Lab File: VW009152.D

Acq: 13 Mar 2019 13:06

Tgt Ion:	130	Resp:	152502
Ion	Ratio	Lower	Upper
130	100		
95	99.0	0.0	197.0





#45

1,2-Dichloropropane

Concen: 52.907 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW009152.D

Acq: 13 Mar 2019 13:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 143474

Ion Ratio Lower Upper

63 100

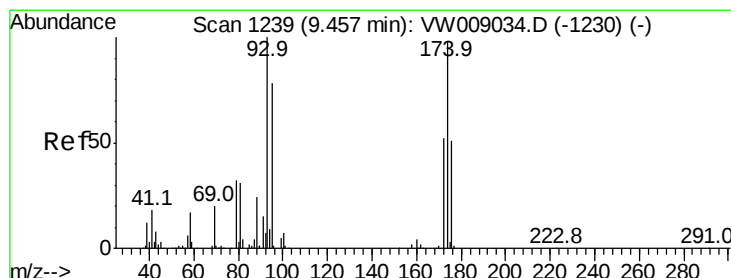
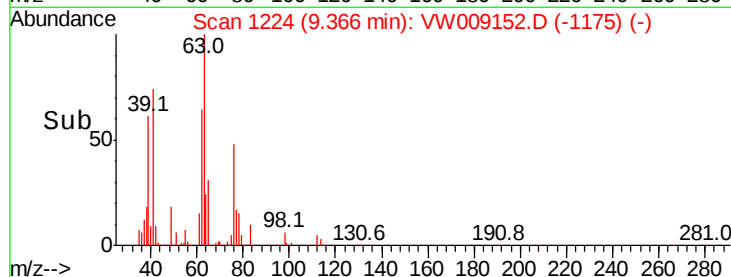
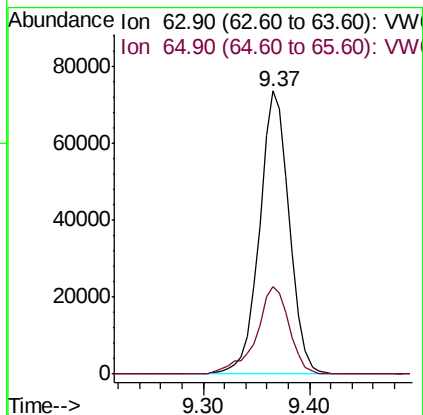
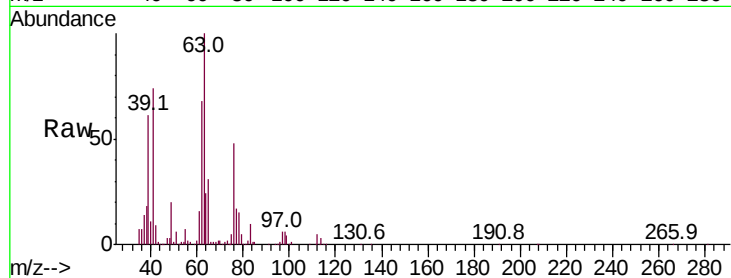
65 31.1 24.9 37.3

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#46

Dibromomethane

Concen: 52.540 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW009152.D

Acq: 13 Mar 2019 13:06

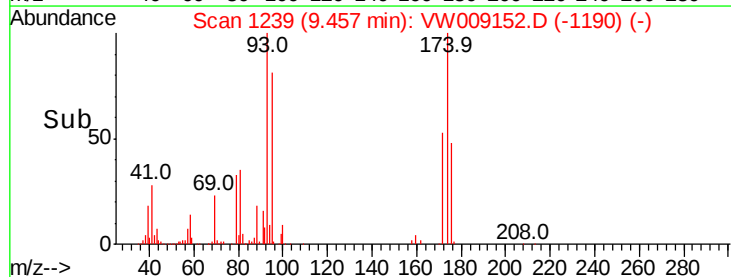
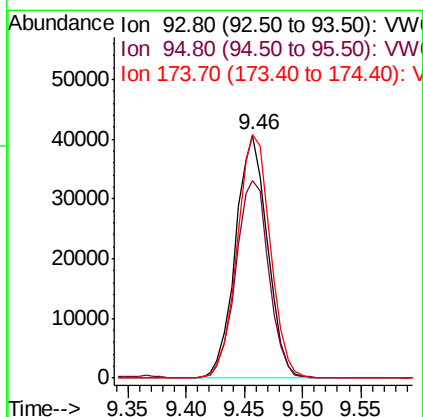
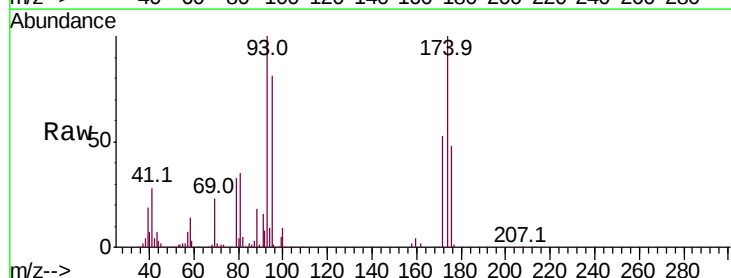
Tgt Ion: 93 Resp: 77814

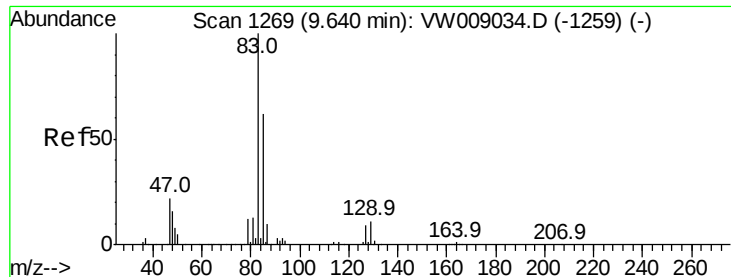
Ion Ratio Lower Upper

93 100

95 84.3 65.0 97.6

174 103.3 81.8 122.6





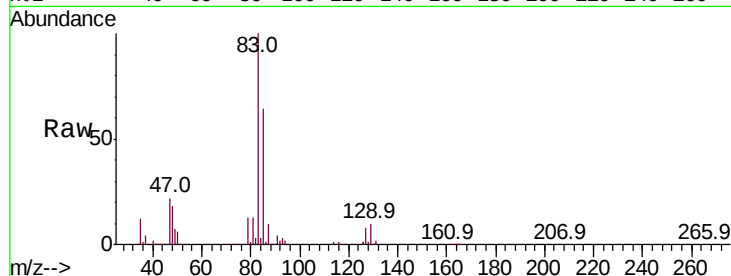
#47
Bromodichloromethane
Concen: 52.921 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW009152.D
Acq: 13 Mar 2019 13:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

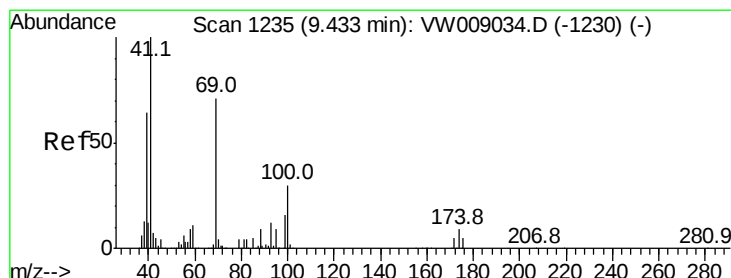
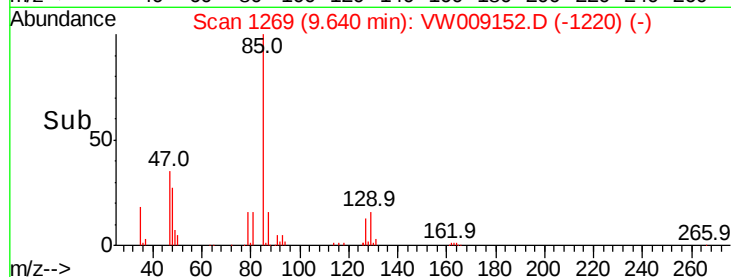
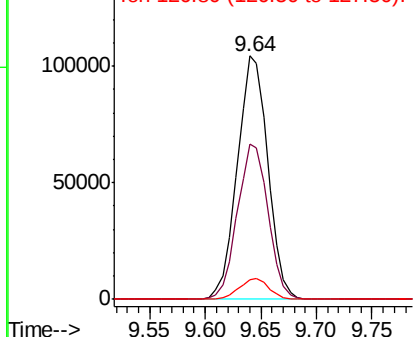
Tot Ion	Ratio	Resp	Lower	Upper
83	100	198402		
85	63.7	49.9	74.9	
127	8.3	7.1	10.7	

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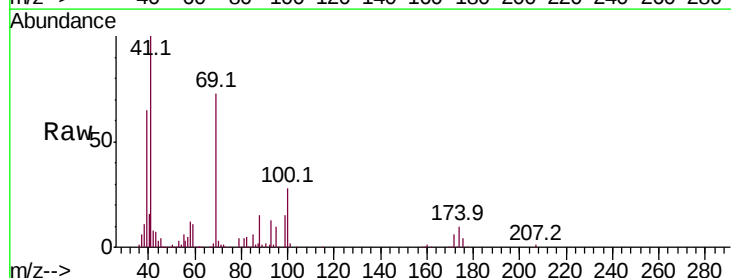


Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): V

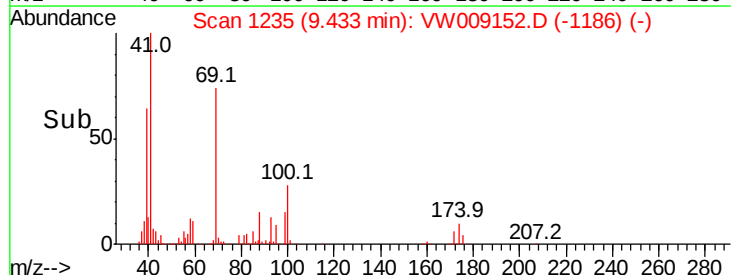
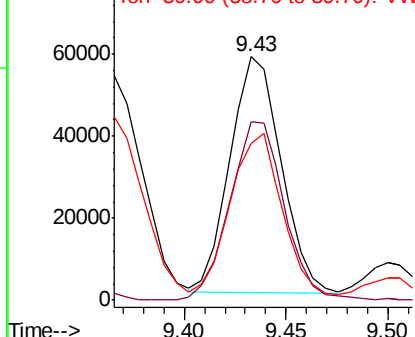


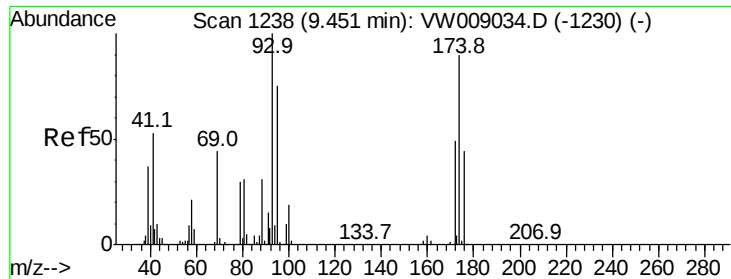
#48
Methyl methacrylate
Concen: 60.606 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW009152.D
Acq: 13 Mar 2019 13:06

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	100135		
69	80.7	59.1	88.7	
39	69.0	48.9	73.3	



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW





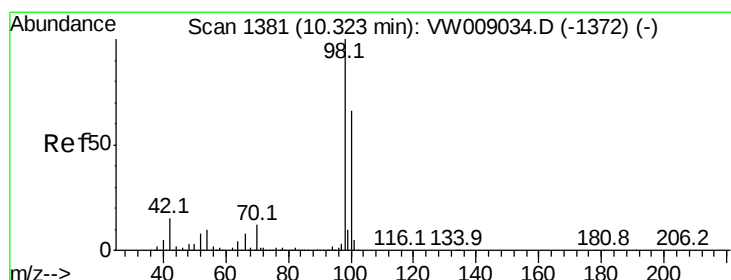
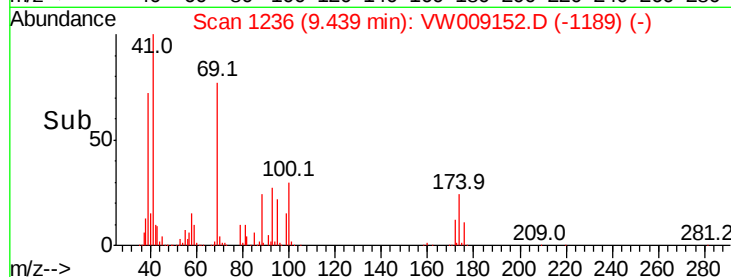
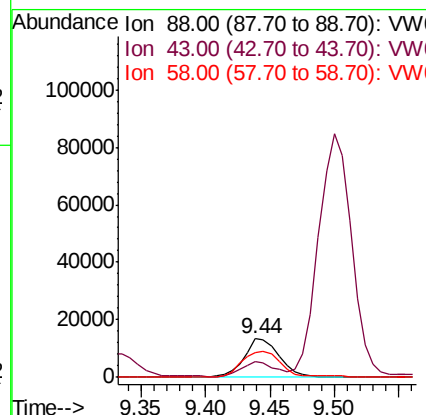
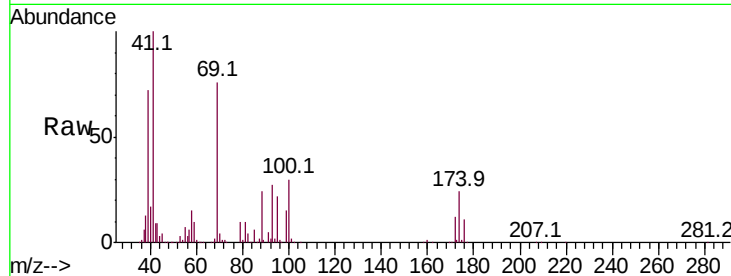
#49
1,4-Dioxane
Concen: 1211.805 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.01 min
Lab File: VW009152.D
Acq: 13 Mar 2019 13:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	25700
Ion Ratio	100	Lower	Upper
88	100		
43	36.6	29.0	43.4
58	74.5	59.2	88.8

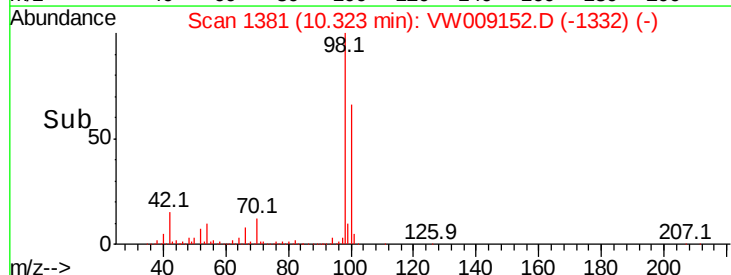
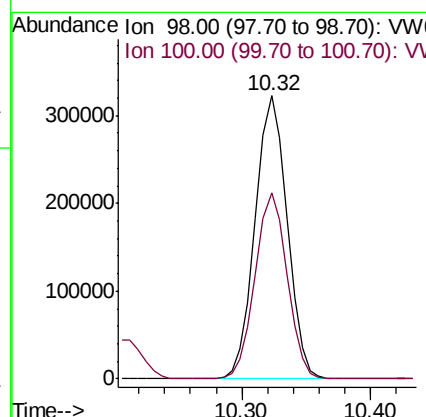
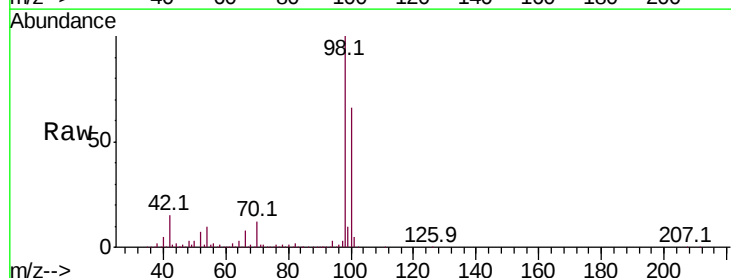
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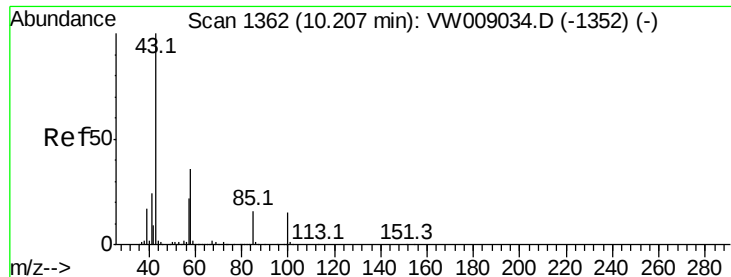
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#50
Toluene-d8
Concen: 57.703 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW009152.D
Acq: 13 Mar 2019 13:06

Tgt Ion	98	Resp	553524
Ion Ratio	100	Lower	Upper
98	100		
100	66.0	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 315.336 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW009152.D

Acq: 13 Mar 2019 13:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 568044

Ion Ratio Lower Upper

43 100

58 35.4

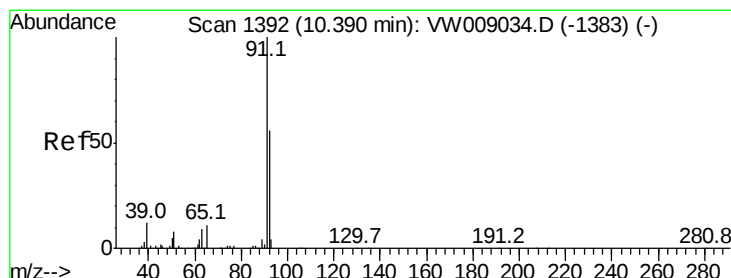
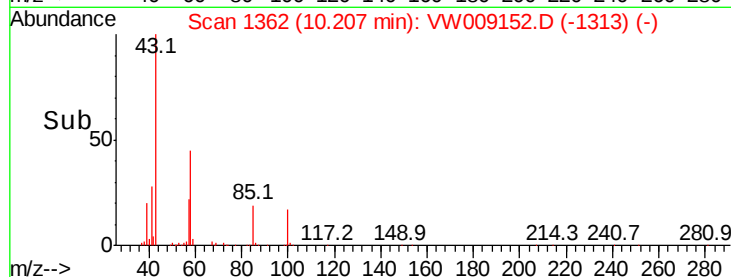
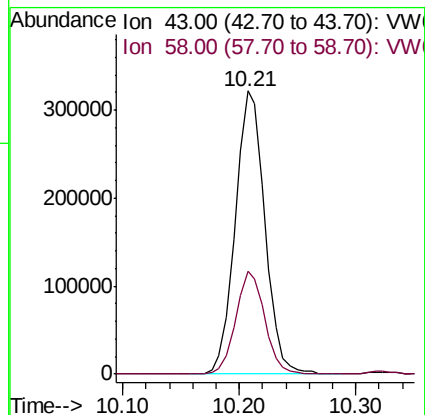
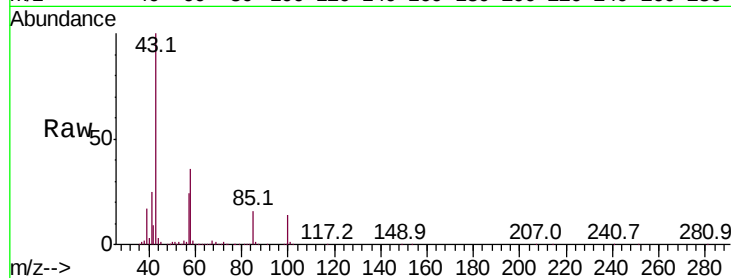
28.8

43.2

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#52

Toluene

Concen: 55.982 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW009152.D

Acq: 13 Mar 2019 13:06

Tgt Ion: 92 Resp: 411081

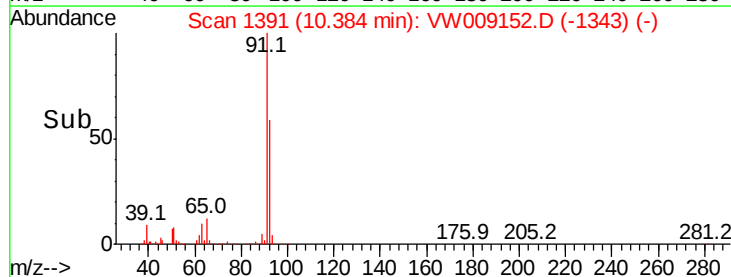
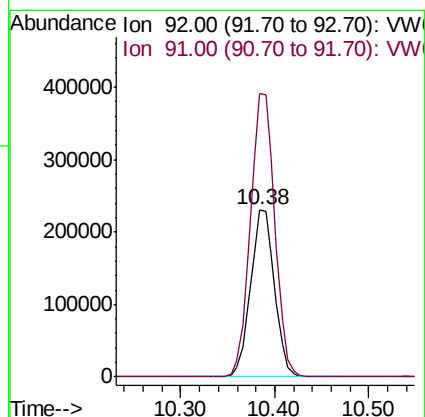
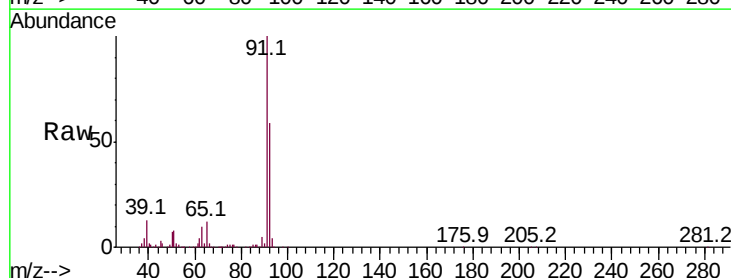
Ion Ratio Lower Upper

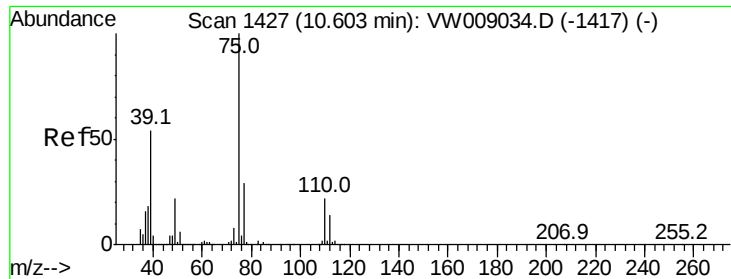
92 100

91 172.6

139.9

209.9





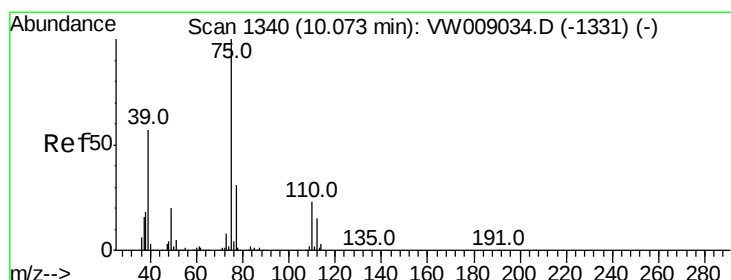
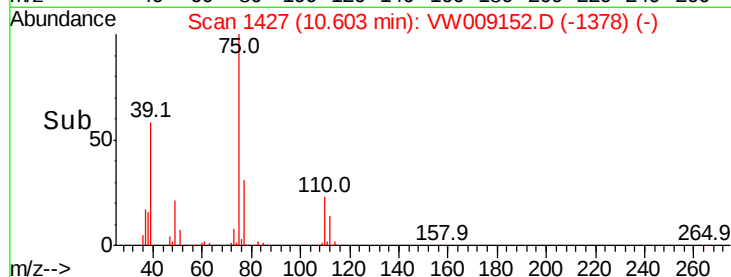
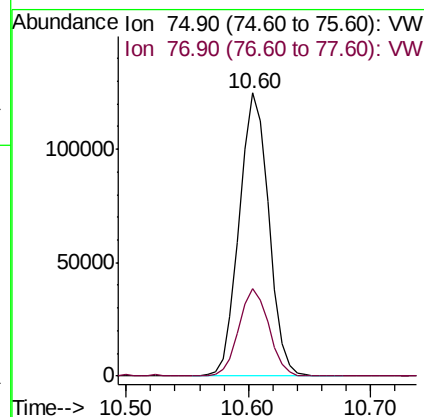
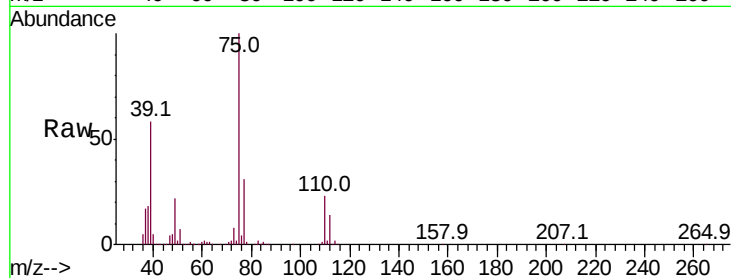
#53
t-1,3-Dichloropropene
Concen: 56.244 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW009152.D
Acq: 13 Mar 2019 13:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.8	23.6	35.4

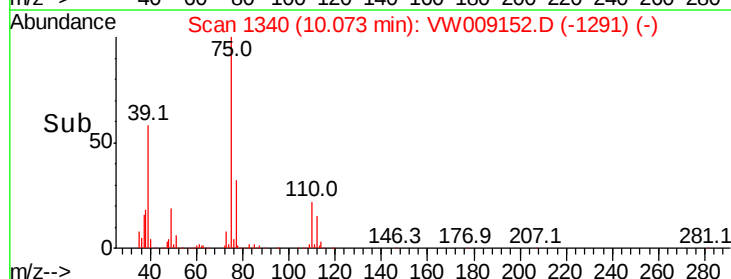
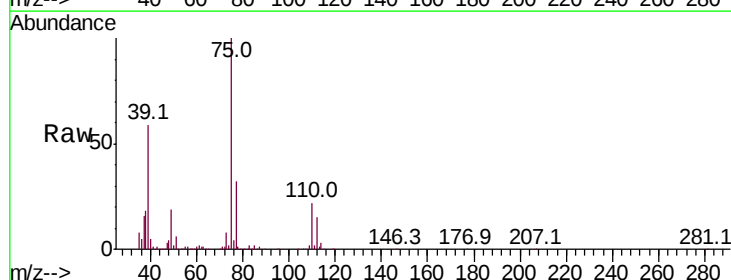
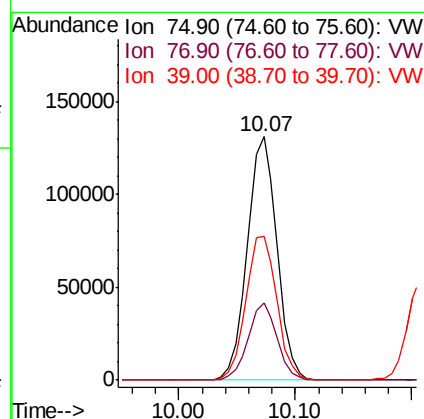
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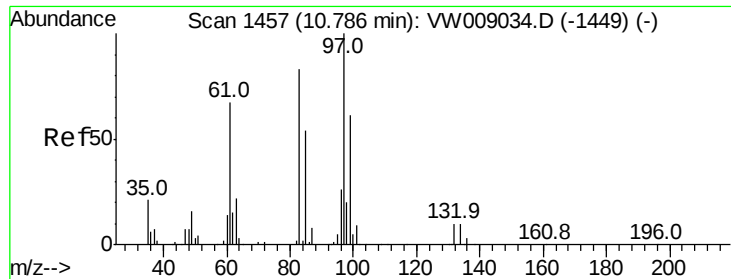
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#54
cis-1,3-Dichloropropene
Concen: 54.689 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW009152.D
Acq: 13 Mar 2019 13:06

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.6	36.8
39	58.8	45.9	68.9





#55

1,1,2-Trichloroethane

Concen: 56.127 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW009152.D

Acq: 13 Mar 2019 13:06

Instrument :

MSVOA_W

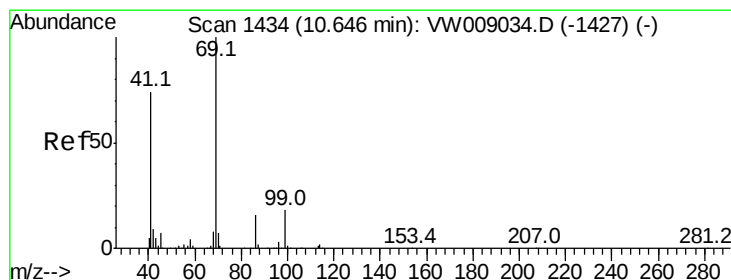
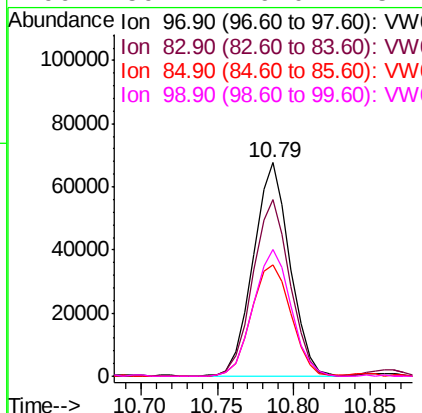
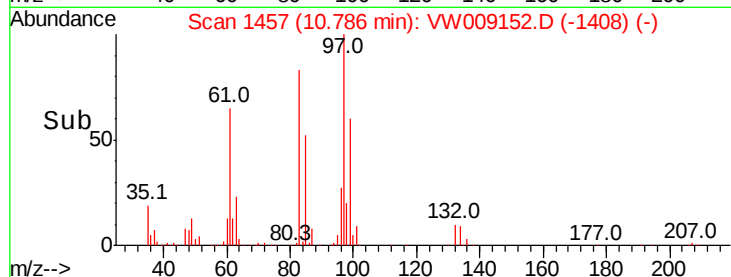
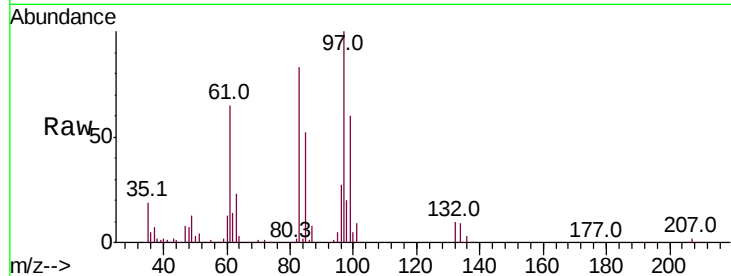
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		112667		
83	83.1	66.2	99.2		
85	52.1	43.6	65.4		
99	59.7	49.0	73.4		

Manual Integrations
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#56

Ethyl methacrylate

Concen: 63.080 ug/l

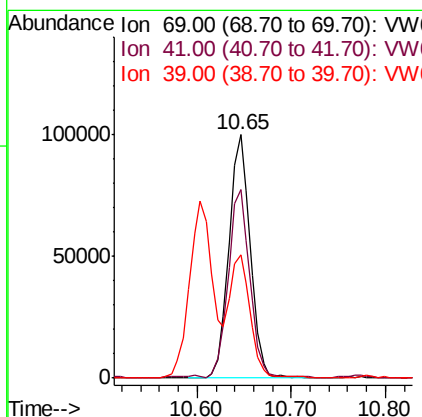
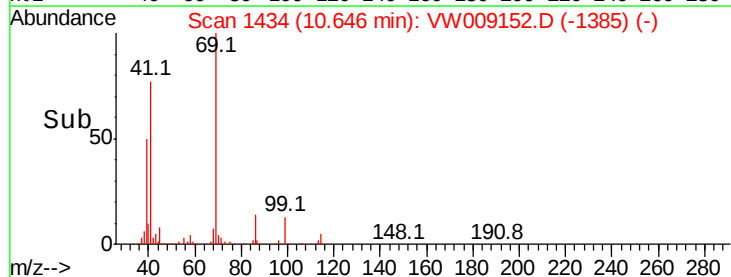
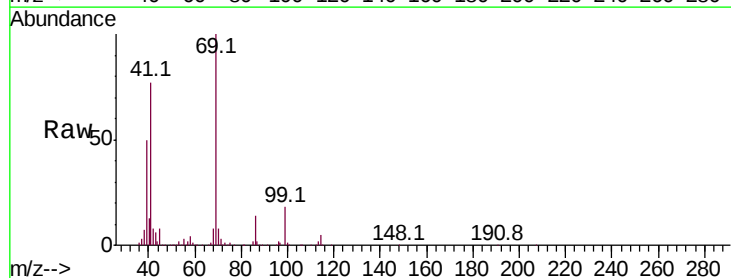
RT: 10.65 min Scan# 1434

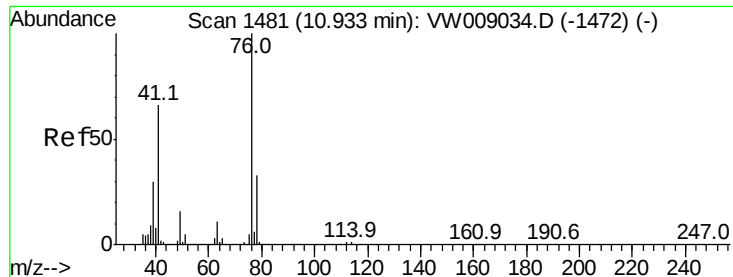
Delta R.T. -0.00 min

Lab File: VW009152.D

Acq: 13 Mar 2019 13:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		157152		
41	77.4	59.4	89.2		
39	46.8	38.5	57.7		





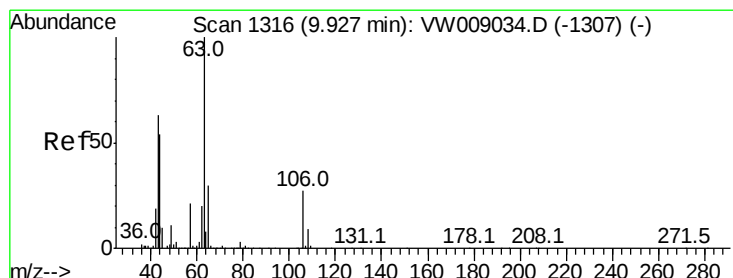
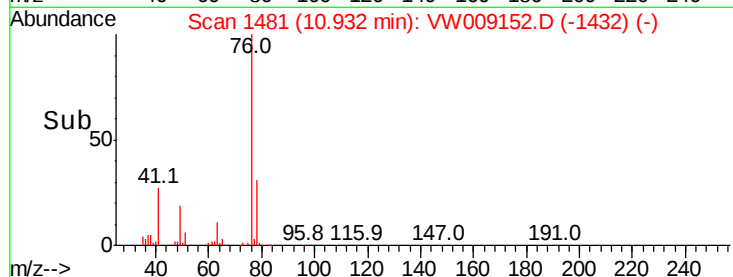
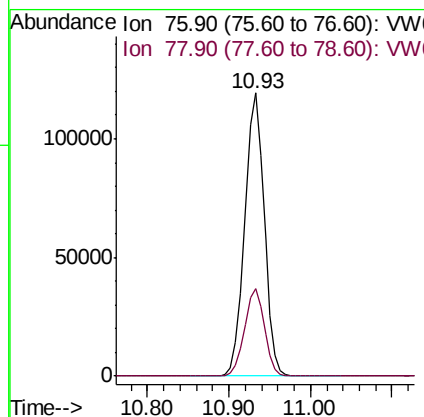
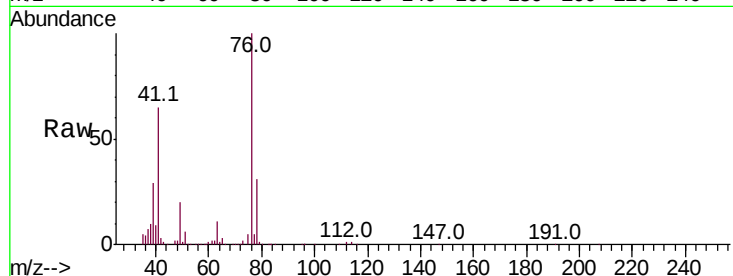
#57
 1,3-Dichloropropane
 Concen: 55.399 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW009152.D
 Acq: 13 Mar 2019 13:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.5	25.7	38.5

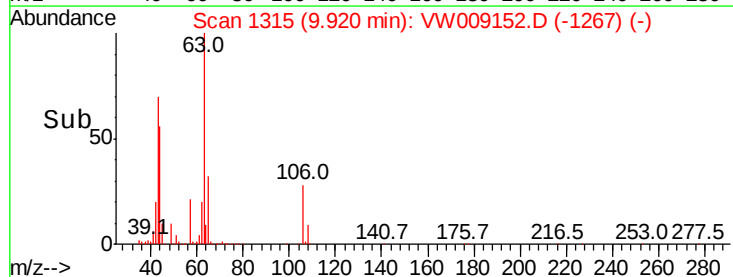
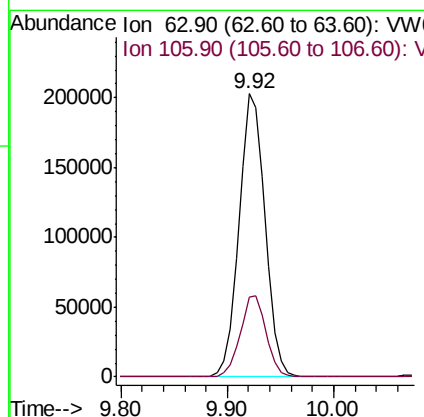
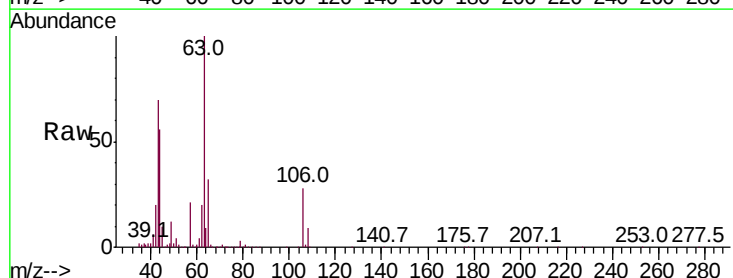
Manual Integrations
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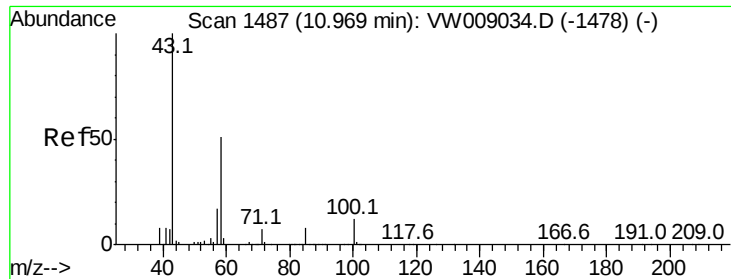
MMDadoda
 3/14/2019 3:33:15 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 270.040 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW009152.D
 Acq: 13 Mar 2019 13:06

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.5	23.0	34.6





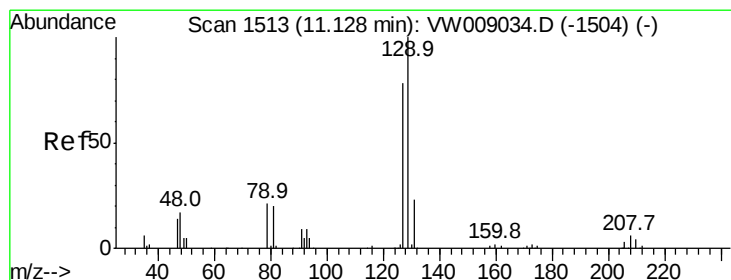
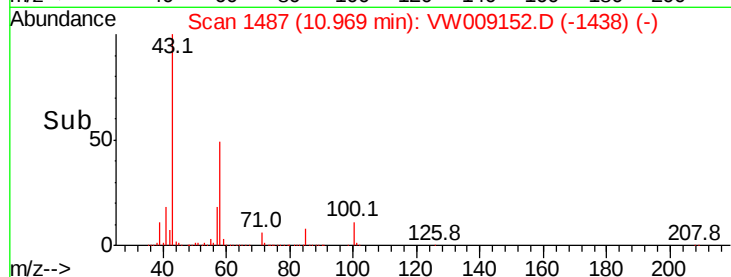
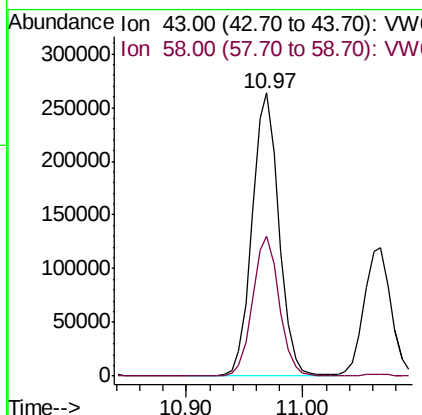
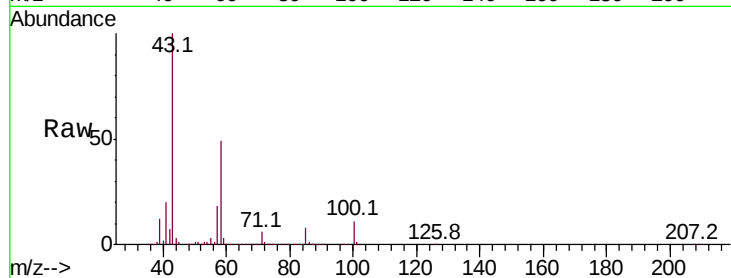
#59
2-Hexanone
Concen: 332.683 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW009152.D
Acq: 13 Mar 2019 13:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 421354
Ion Ratio Lower Upper
43 100
58 49.2 25.3 75.9

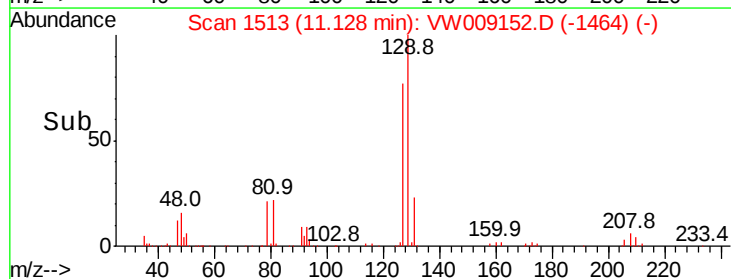
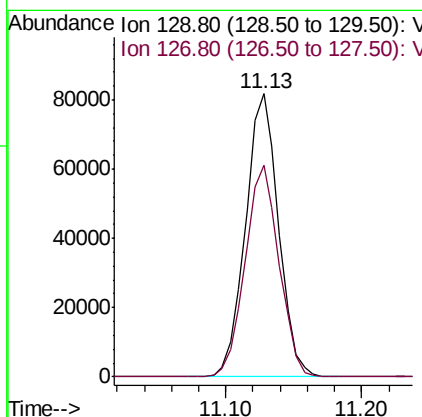
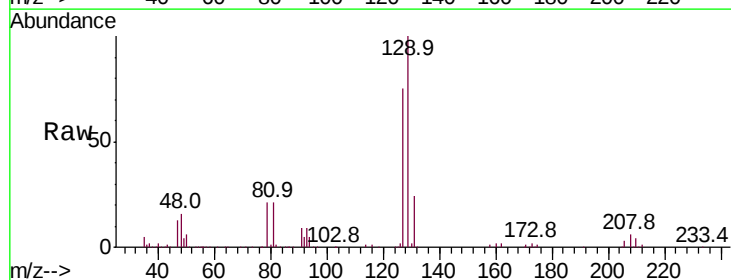
Manual Integrations
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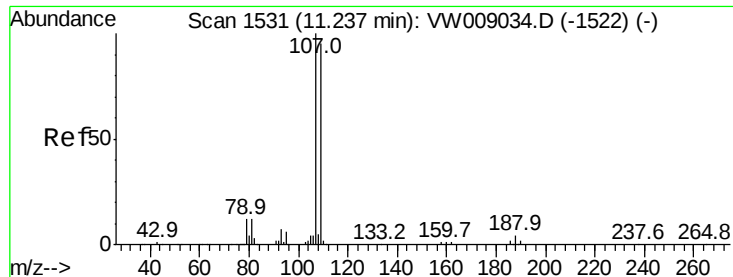
MMDadoda
3/14/2019 3:33:15 PM



#60
Dibromochloromethane
Concen: 55.875 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW009152.D
Acq: 13 Mar 2019 13:06

Tgt Ion: 129 Resp: 138804
Ion Ratio Lower Upper
129 100
127 76.7 38.4 115.1





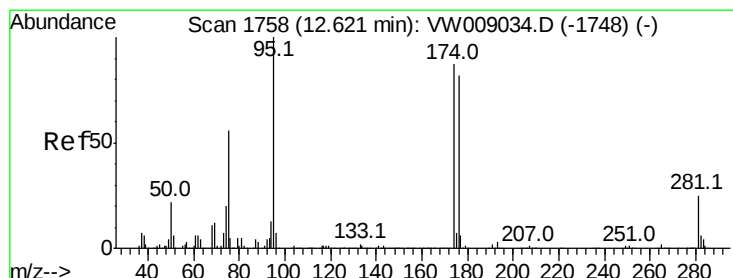
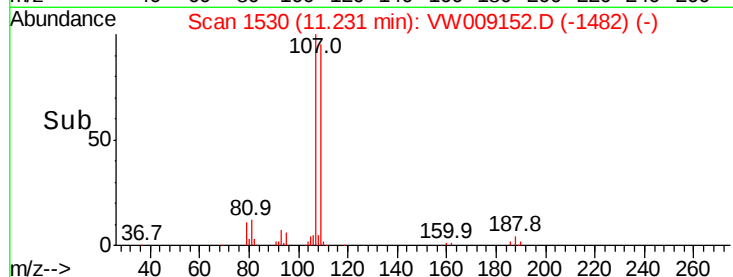
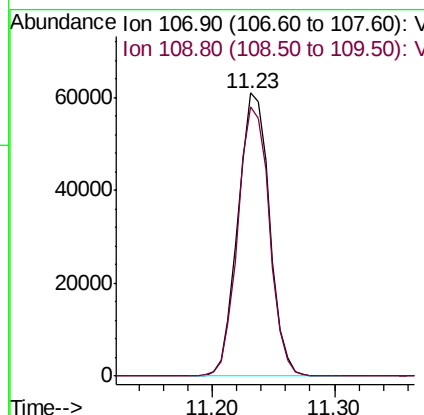
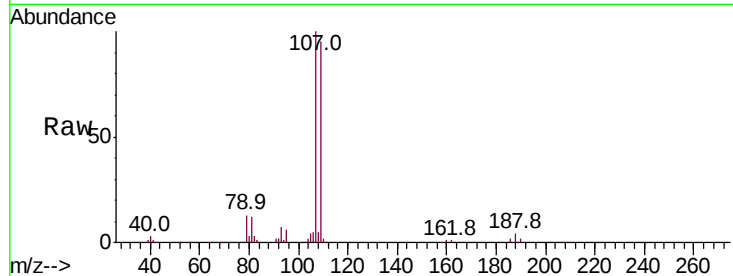
#61
 1,2-Dibromoethane
 Concen: 55.231 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW009152.D
 Acq: 13 Mar 2019 13:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.2	74.7	112.1

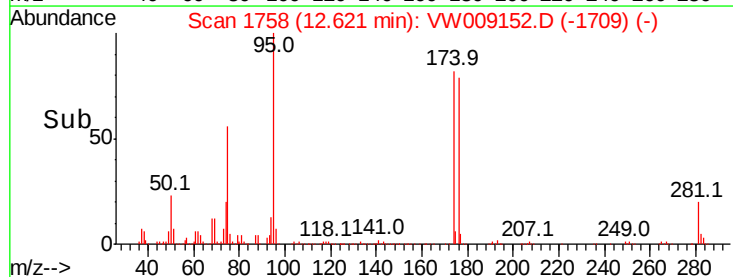
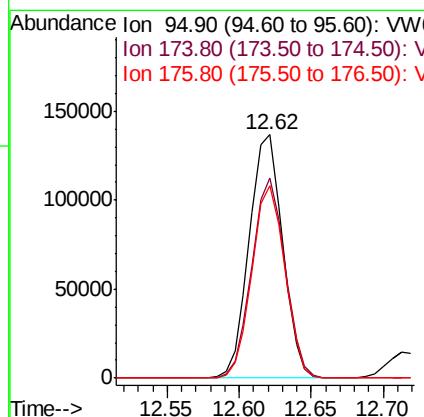
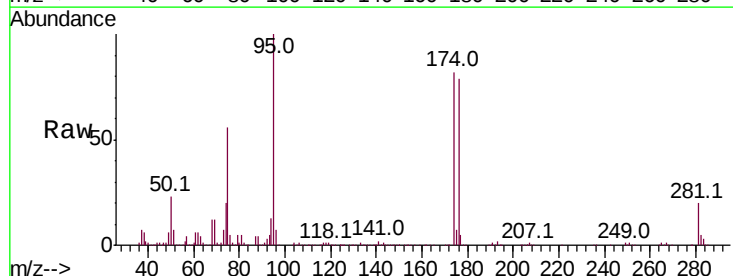
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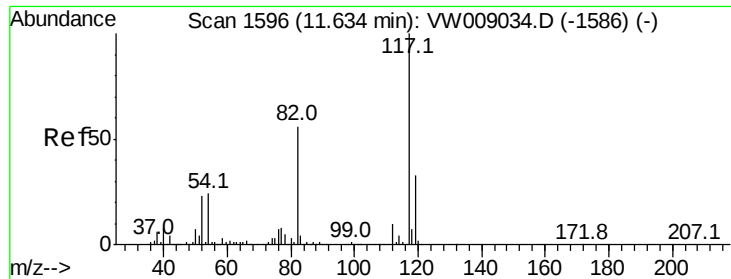
MMDadoda
 3/14/2019 3:33:15 PM



#62
 4-Bromofluorobenzene
 Concen: 58.143 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW009152.D
 Acq: 13 Mar 2019 13:06

Tgt Ion	Ratio	Lower	Upper
95	100		
174	81.7	0.0	167.0
176	78.0	0.0	159.4





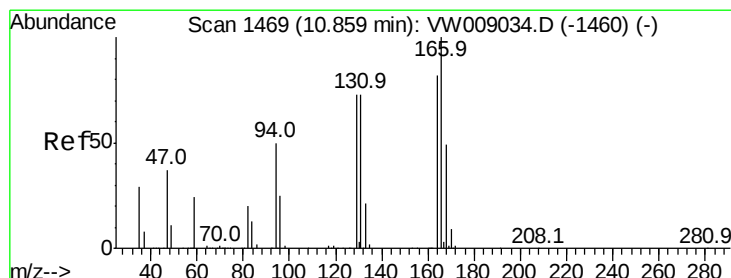
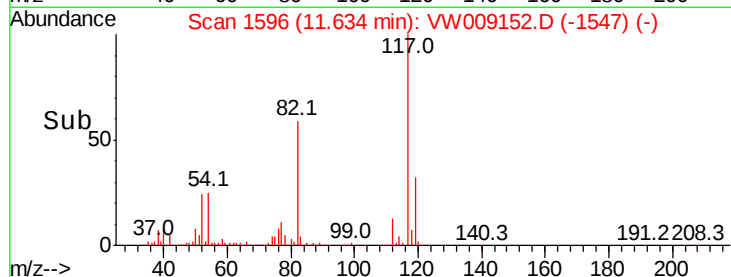
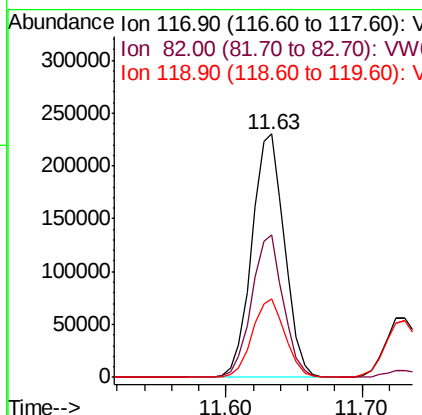
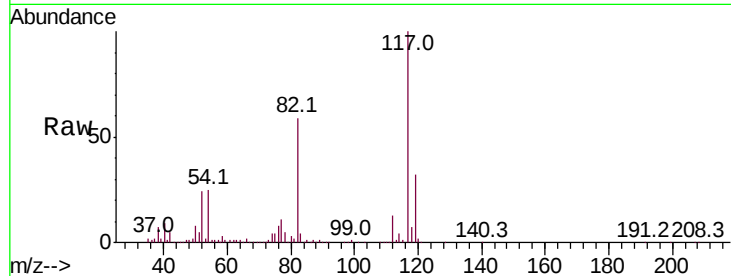
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW009152.D
Acq: 13 Mar 2019 13:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100			
82	58.7	45.0	67.6	
119	32.2	26.6	39.8	

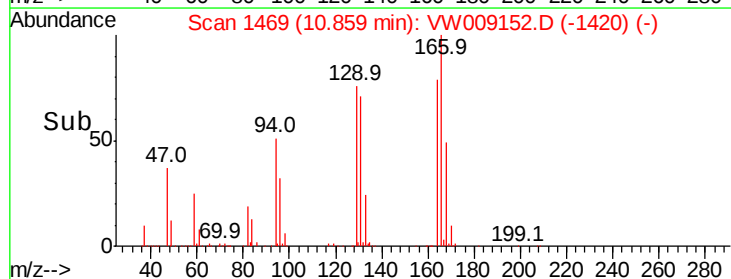
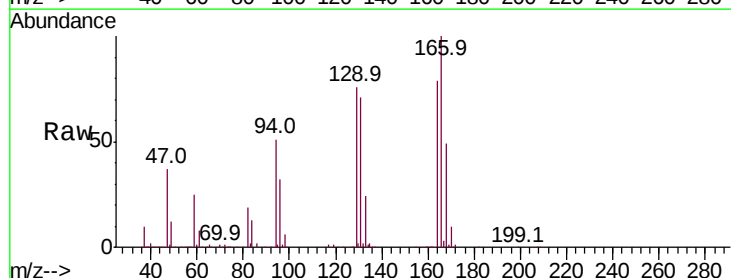
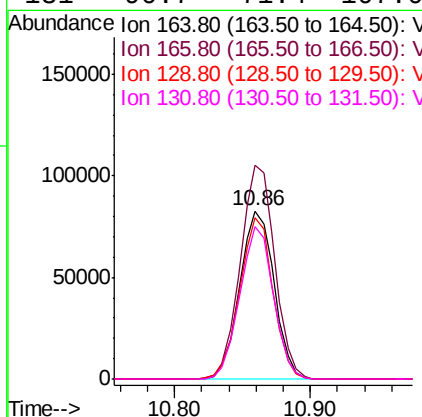
Manual Integrations
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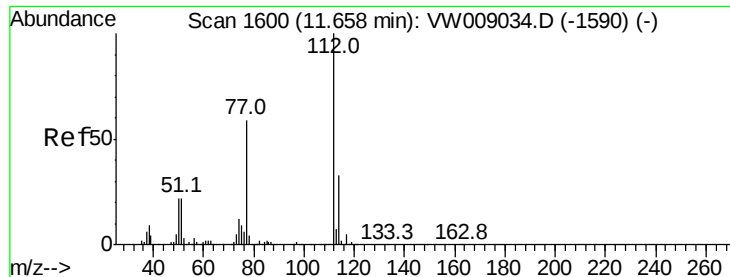
MMDadoda
3/14/2019 3:33:15 PM



#64
Tetrachloroethene
Concen: 52.404 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW009152.D
Acq: 13 Mar 2019 13:06

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
166	127.1	97.8	146.6	
129	96.3	71.6	107.4	
131	90.7	71.4	107.0	





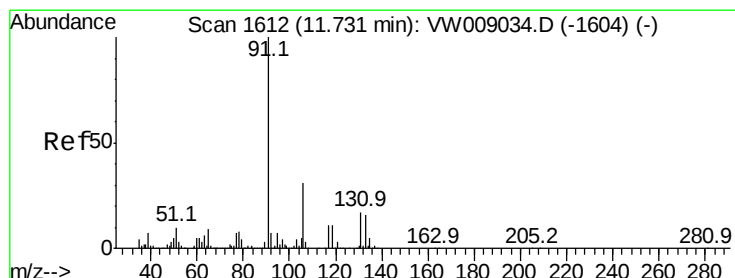
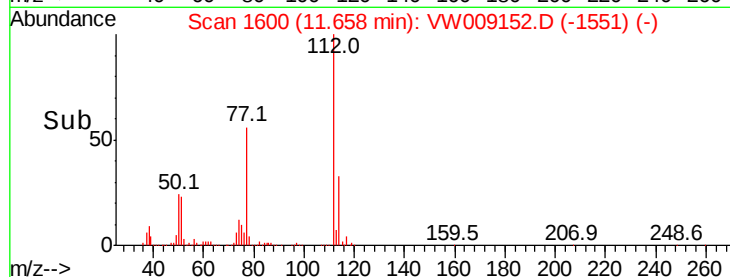
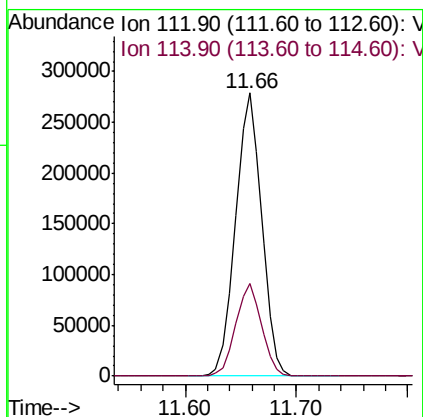
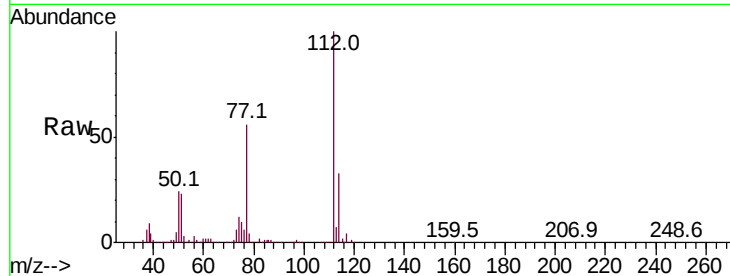
#65
Chlorobenzene
Concen: 53.787 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW009152.D
Acq: 13 Mar 2019 13:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 452684
Ion Ratio Lower Upper
112 100
114 32.8 26.6 40.0

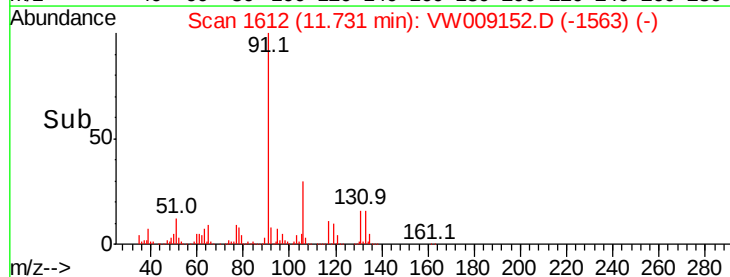
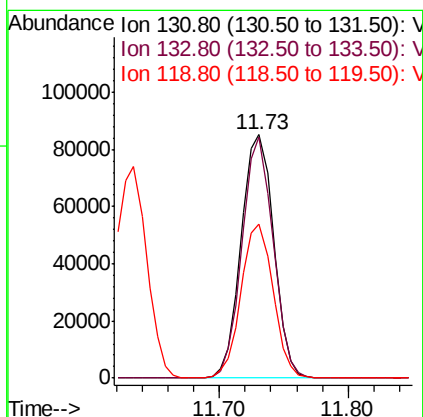
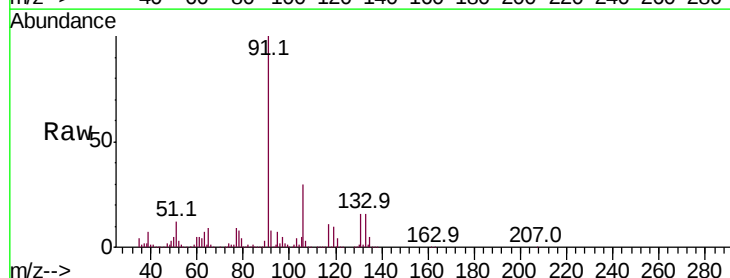
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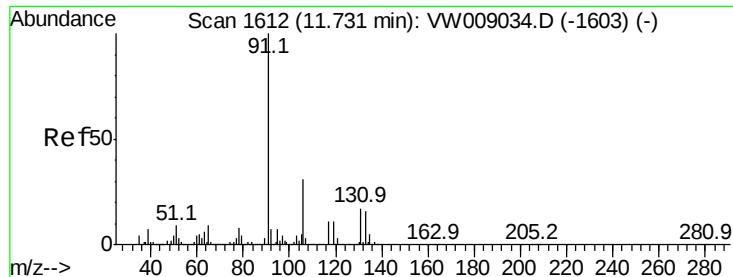
MMDadoda
3/14/2019 3:33:15 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.997 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW009152.D
Acq: 13 Mar 2019 13:06

Tgt Ion:131 Resp: 148930
Ion Ratio Lower Upper
131 100
133 94.4 47.6 142.8
119 62.4 31.3 93.8





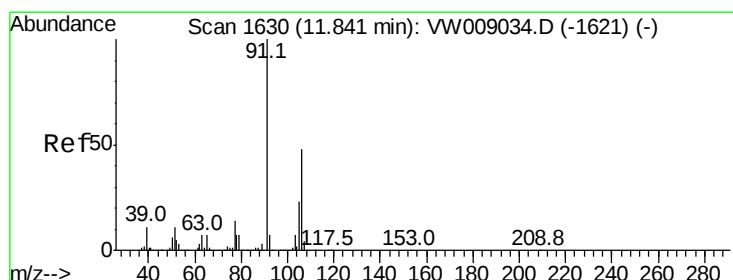
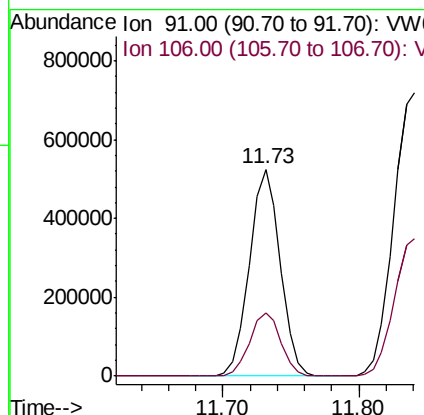
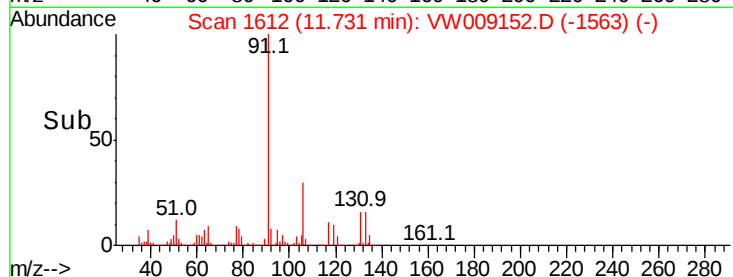
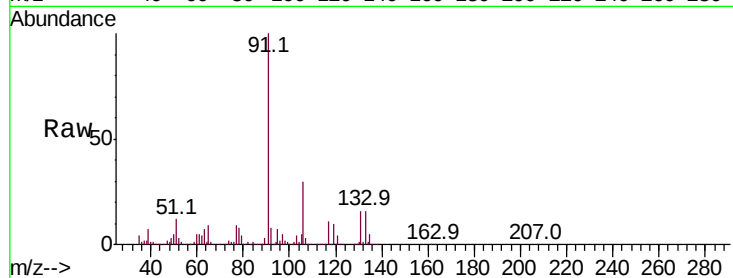
#67
Ethyl Benzene
Concen: 54.864 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW009152.D
Acq: 13 Mar 2019 13:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	30.4	25.0	37.4	

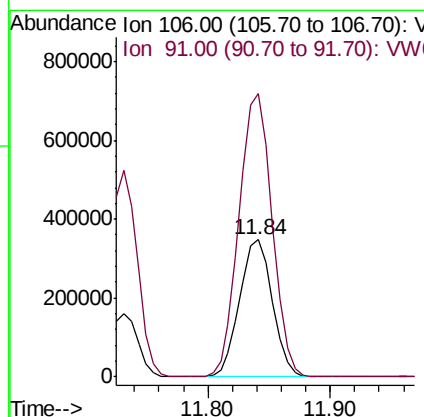
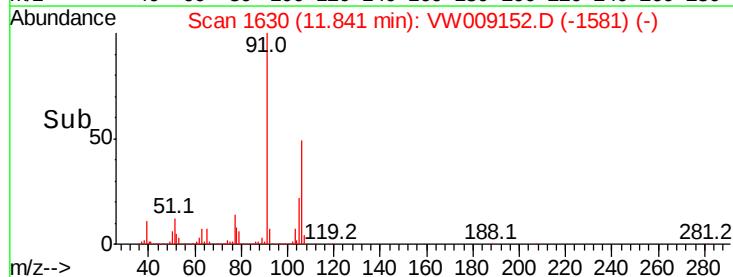
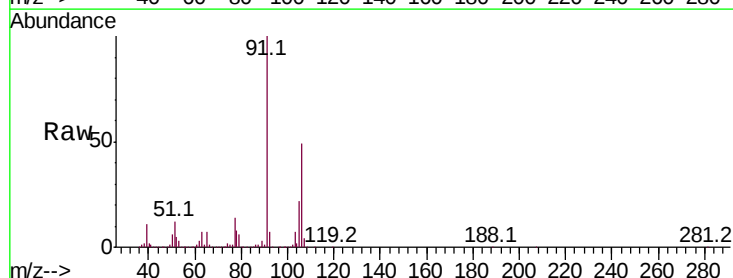
Manual Integrations
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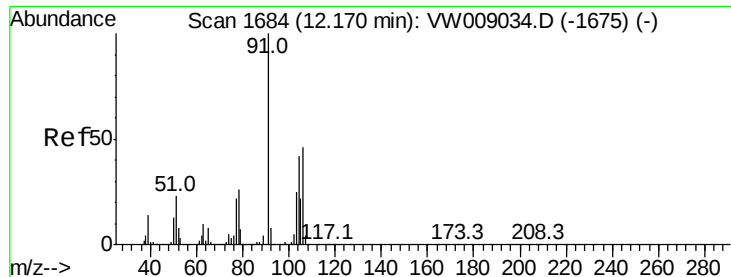
MMDadoda
3/14/2019 3:33:15 PM



#68
m/p-Xylenes
Concen: 108.142 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW009152.D
Acq: 13 Mar 2019 13:06

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	207.6	163.2	244.8	





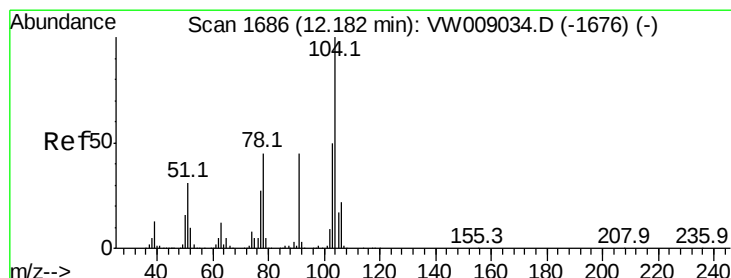
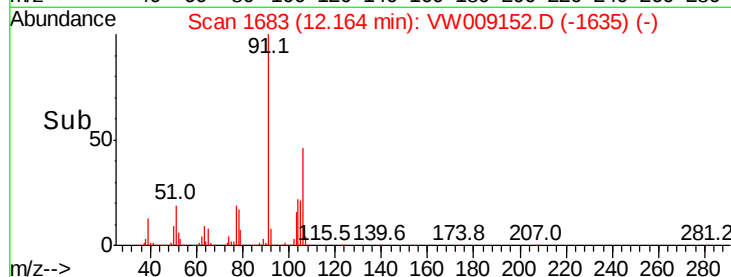
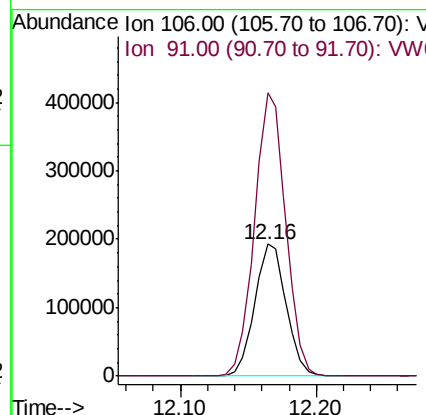
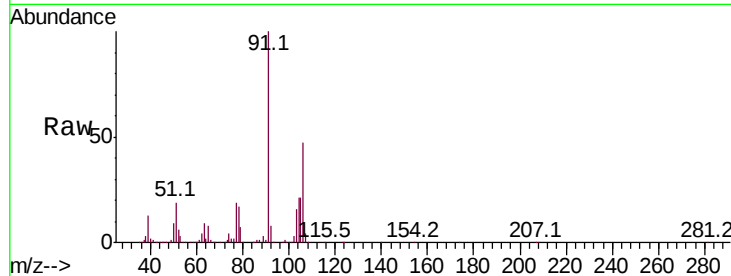
#69
o-Xylene
Concen: 55.971 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW009152.D
Acq: 13 Mar 2019 13:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	213.2	108.6	325.6

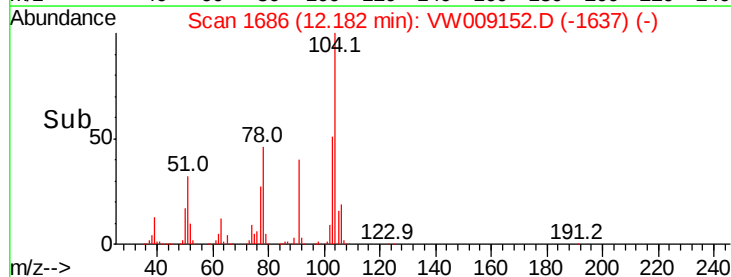
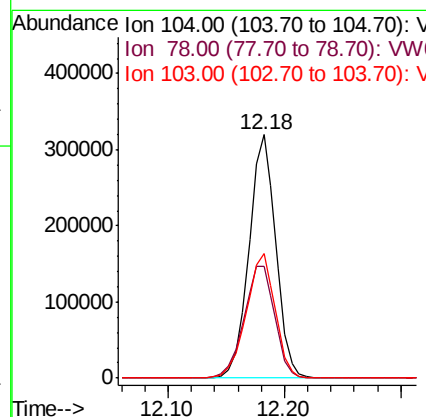
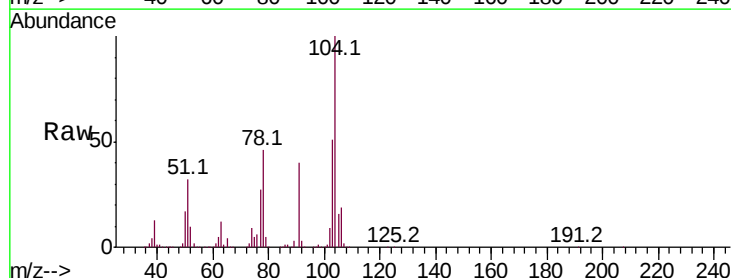
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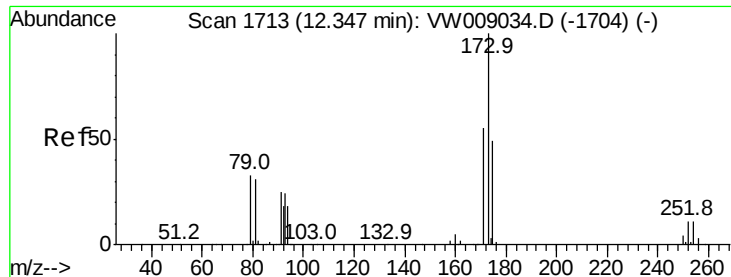
MMDadoda
3/14/2019 3:33:15 PM



#70
Styrene
Concen: 56.590 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW009152.D
Acq: 13 Mar 2019 13:06

Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.9	42.1	63.1
103	55.0	43.9	65.9





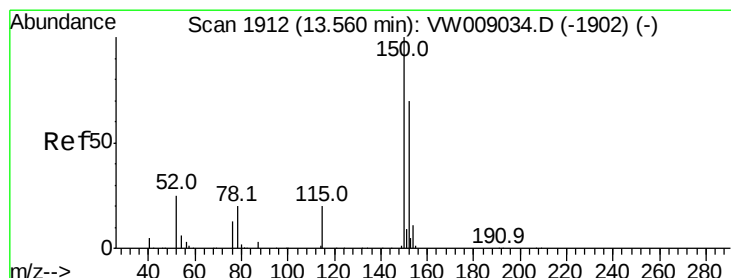
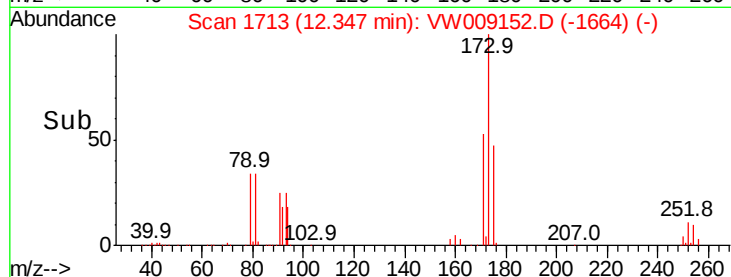
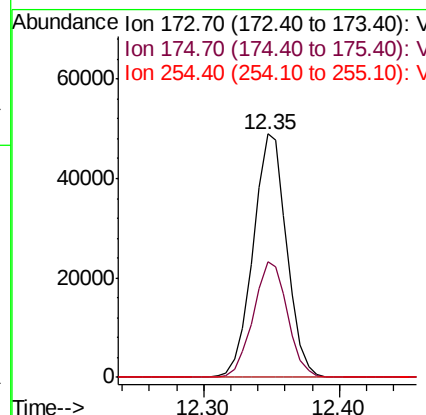
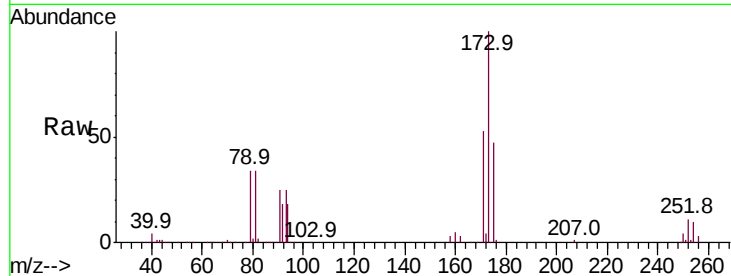
#71
Bromoform
Concen: 55.992 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW009152.D
Acq: 13 Mar 2019 13:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.6	74.0
254	0.0	0.0	0.0

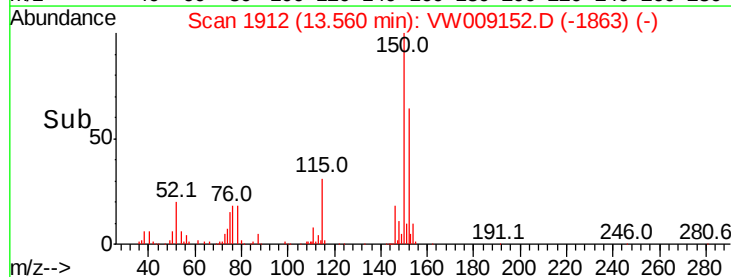
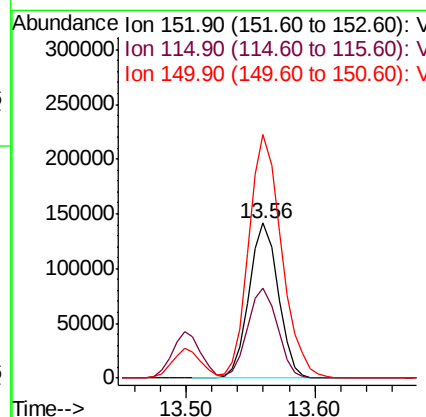
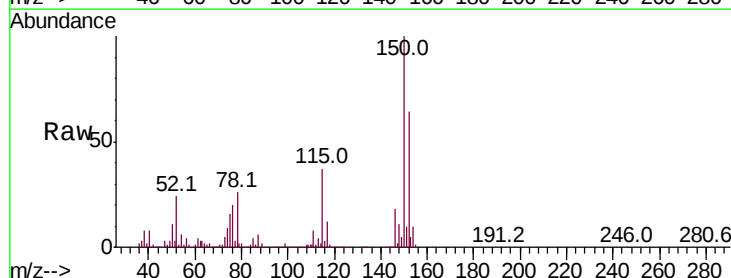
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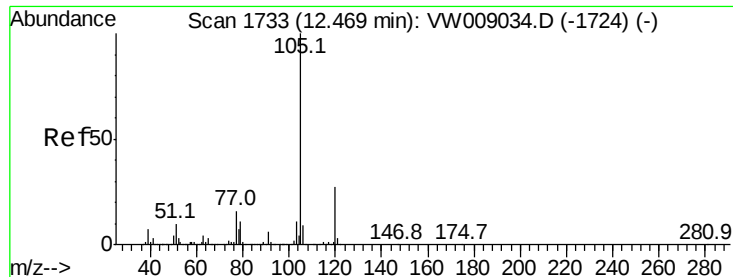
MMDadoda
3/14/2019 3:33:15 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW009152.D
Acq: 13 Mar 2019 13:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.4	28.9	86.7
150	176.6	0.0	349.2





#73

Isopropylbenzene

Concen: 54.863 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW009152.D

Acq: 13 Mar 2019 13:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 866595

Ion Ratio Lower Upper

105 100

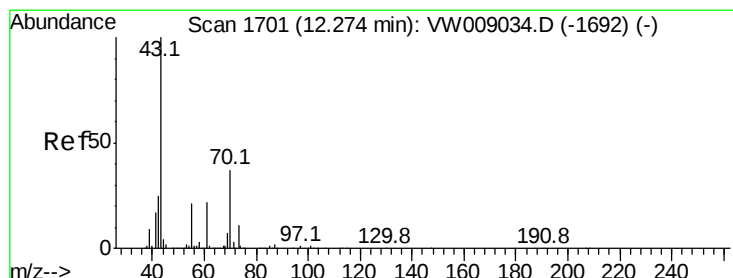
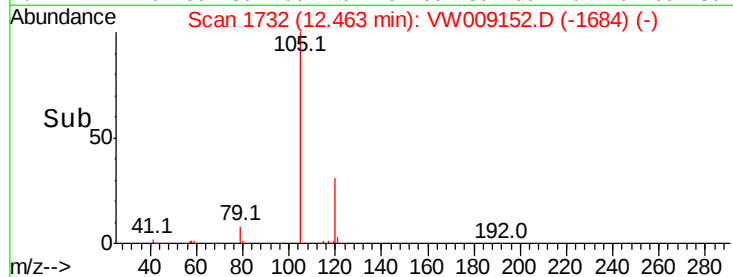
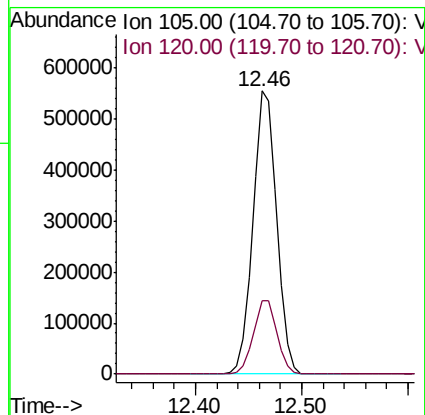
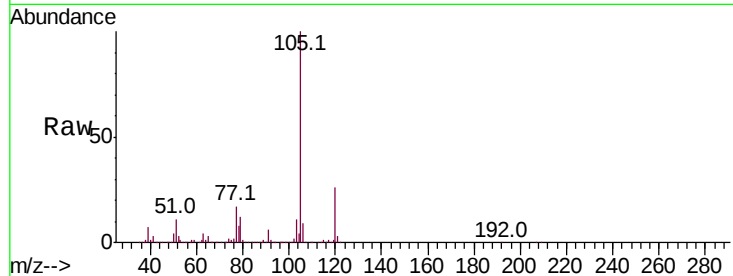
120 26.1 13.2 39.6

Manual Integrations

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MMDadoda

3/14/2019 3:33:15 PM



#74

N-ethyl acetate

Concen: 64.442 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW009152.D

Acq: 13 Mar 2019 13:06

Tgt Ion: 43 Resp: 240970

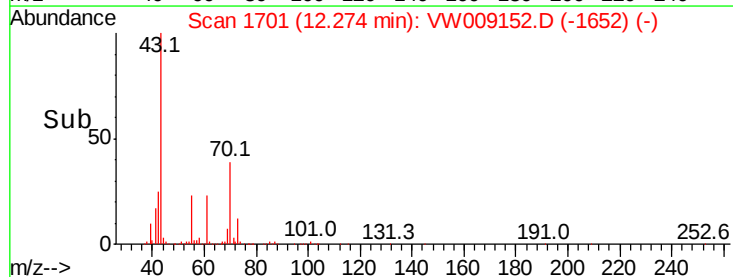
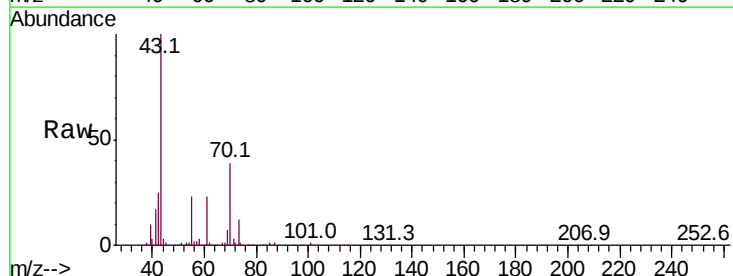
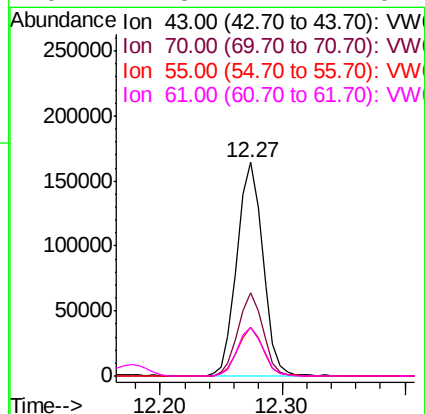
Ion Ratio Lower Upper

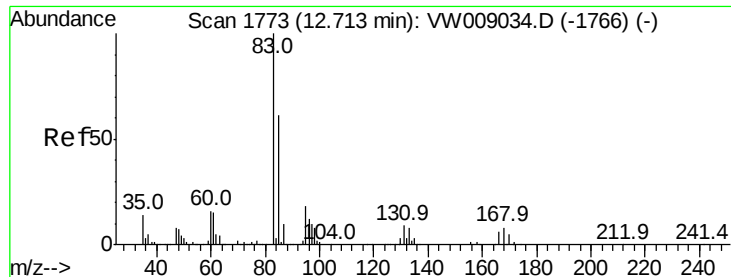
43 100

70 37.9 30.8 46.2

55 22.4 17.8 26.8

61 22.3 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 56.231 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW009152.D

Acq: 13 Mar 2019 13:06

Instrument :

MSVOA_W

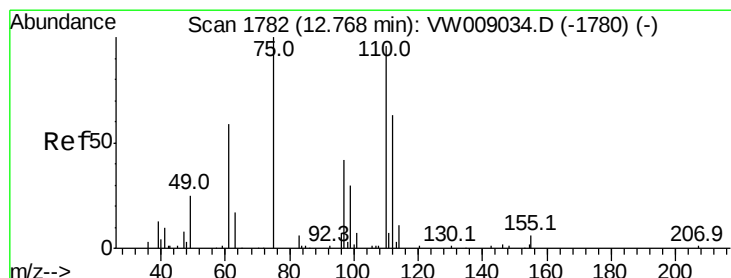
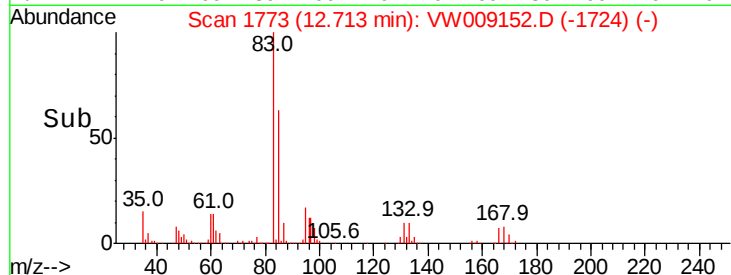
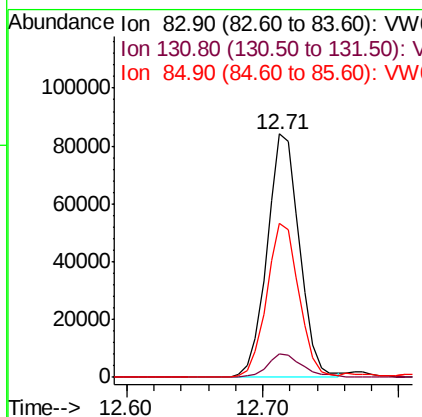
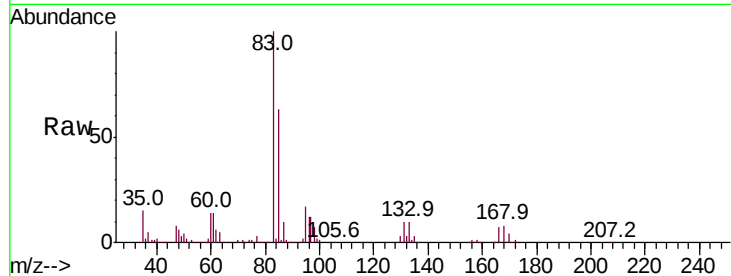
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	140105
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.5	16.7
85	63.0	31.7	95.1

Manual Integrations
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3/14/2019 3:33:15 PM



#76

1,2,3-Trichloropropane

Concen: 57.748 ug/l m

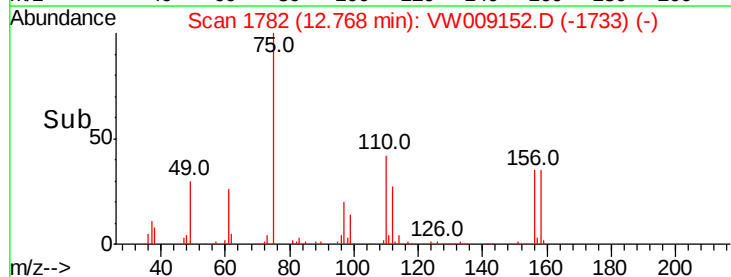
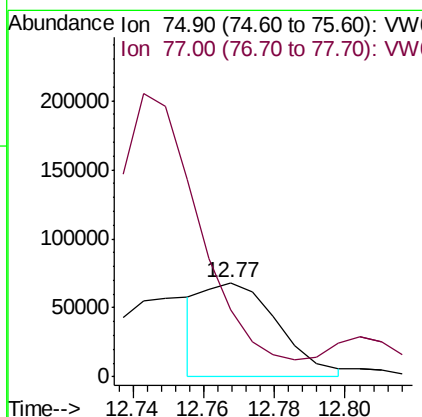
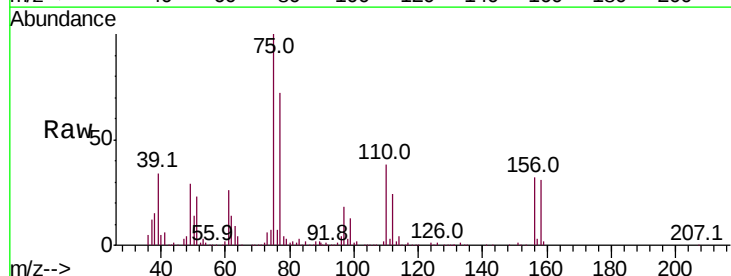
RT: 12.77 min Scan# 1782

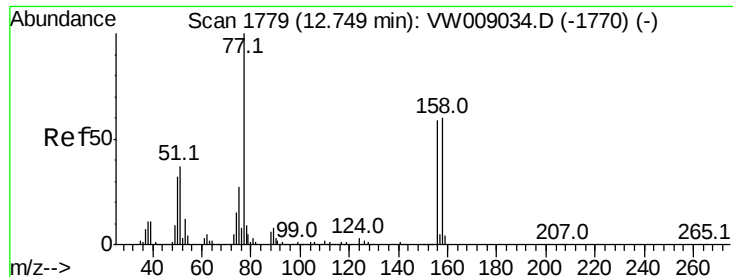
Delta R.T. -0.00 min

Lab File: VW009152.D

Acq: 13 Mar 2019 13:06

Tgt Ion:	75	Resp:	100639
Ion Ratio	Lower	Upper	
75	100		
77	0.0	186.7	560.0#





#77

Bromobenzene

Concen: 53.861 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW009152.D

Acq: 13 Mar 2019 13:06

Instrument :

MSVOA_W

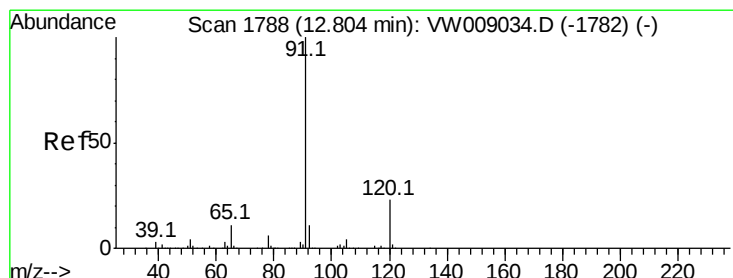
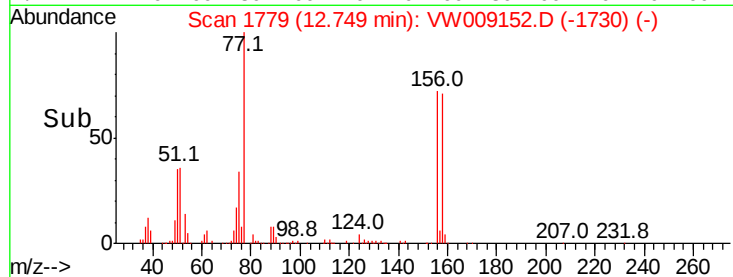
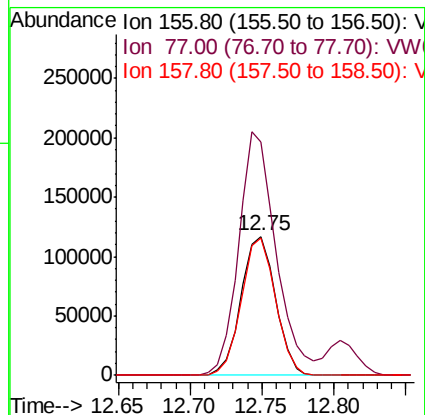
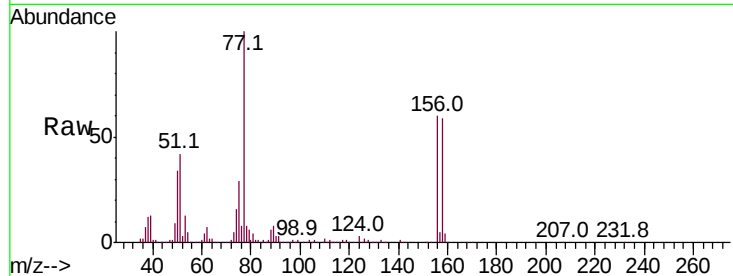
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	194388
Ion Ratio	Lower	Upper	
156	100		
77	189.3	93.0	279.2
158	97.7	50.0	149.8

Manual Integrations
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3/14/2019 3:33:15 PM



#78

n-propylbenzene

Concen: 55.135 ug/l

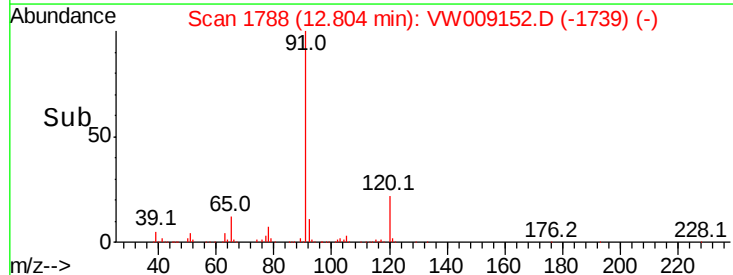
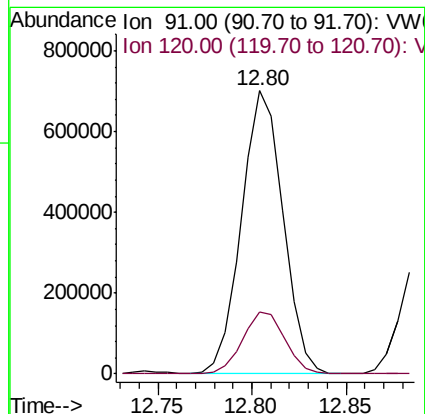
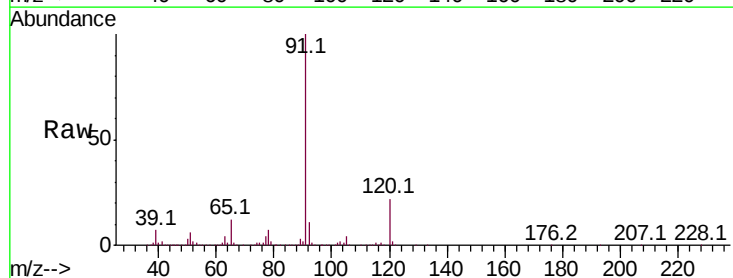
RT: 12.80 min Scan# 1788

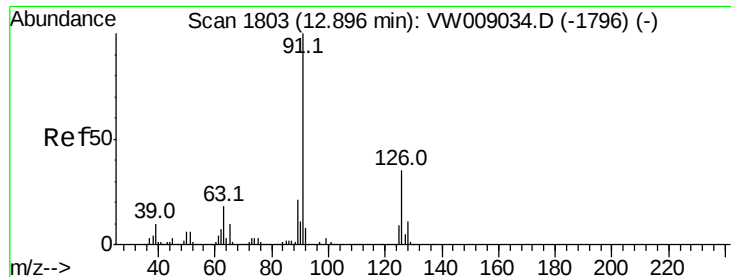
Delta R.T. -0.00 min

Lab File: VW009152.D

Acq: 13 Mar 2019 13:06

Tgt Ion:	91	Resp:	1072721
Ion Ratio	Lower	Upper	
91	100		
120	22.4	11.4	34.2





#79

2-Chlorotoluene

Concen: 55.410 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW009152.D

Acq: 13 Mar 2019 13:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 605710

Ion Ratio Lower Upper

91 100

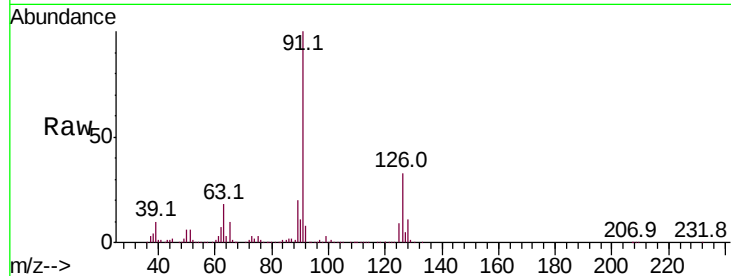
126 33.2 16.8 50.4

Manual Integrations

APPROVED

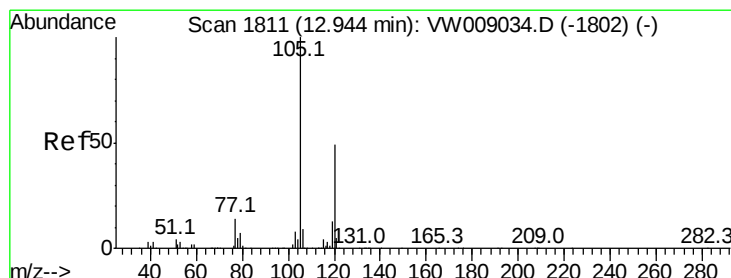
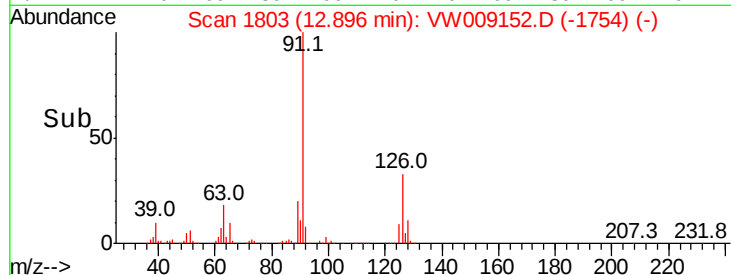
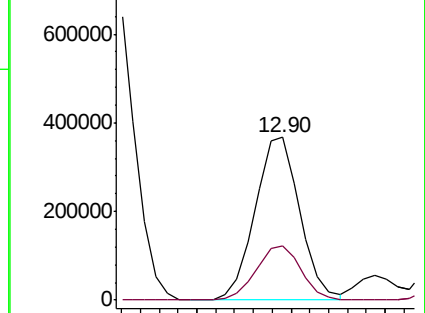
MMDadoda

3/14/2019 3:33:15 PM



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 54.894 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW009152.D

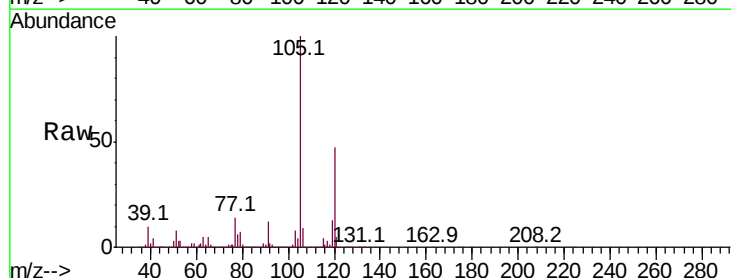
Acq: 13 Mar 2019 13:06

Tgt Ion: 105 Resp: 747417

Ion Ratio Lower Upper

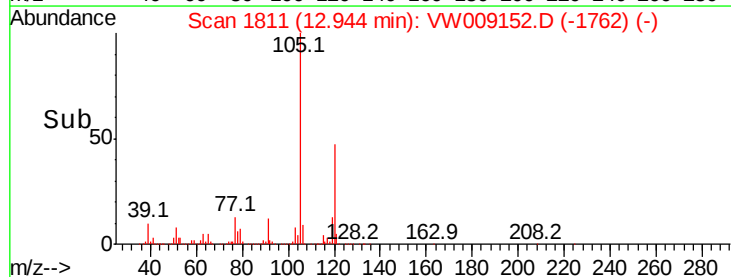
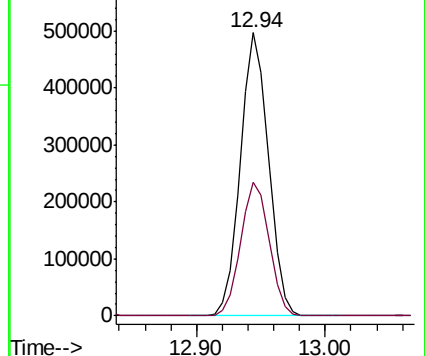
105 100

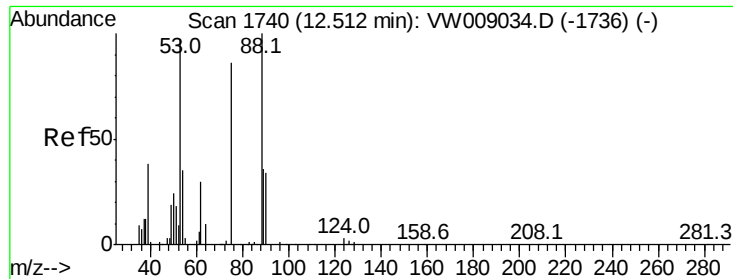
120 48.2 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 59.520 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW009152.D

Acq: 13 Mar 2019 13:06

Instrument :

MSVOA_W

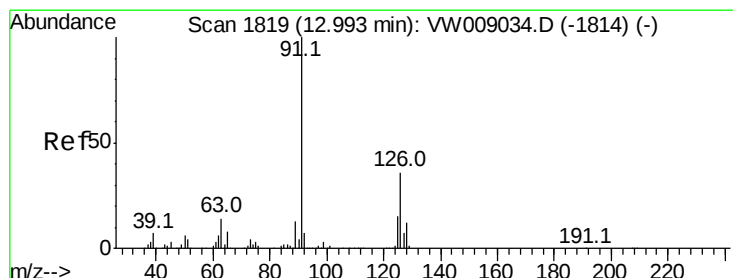
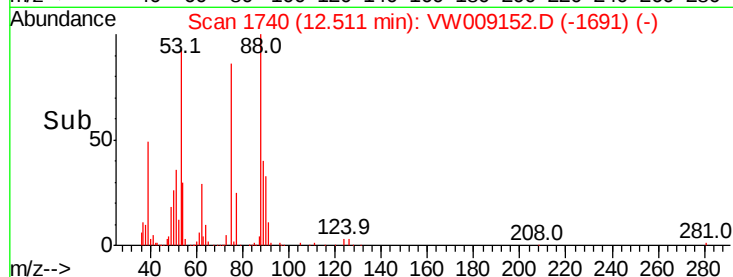
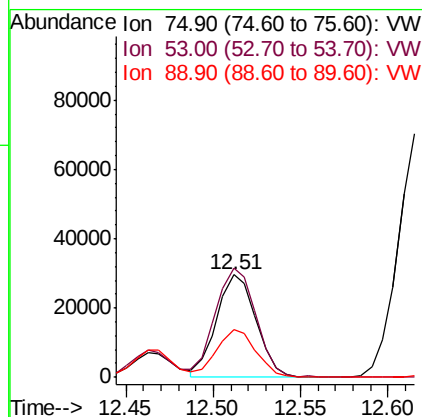
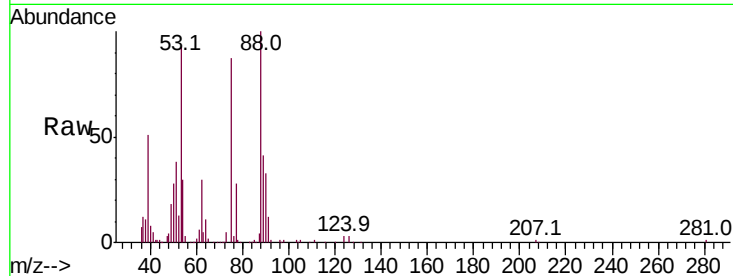
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	46374
Ion	Ratio	Lower	Upper
75	100		
53	112.4	90.5	135.7
89	46.0	37.5	56.3

Manual Integrations
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3/14/2019 3:33:15 PM



#82

4-Chlorotoluene

Concen: 54.842 ug/l

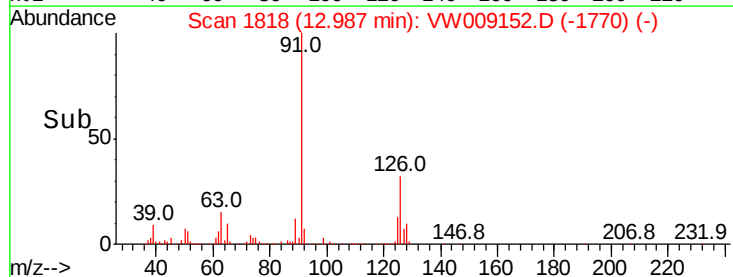
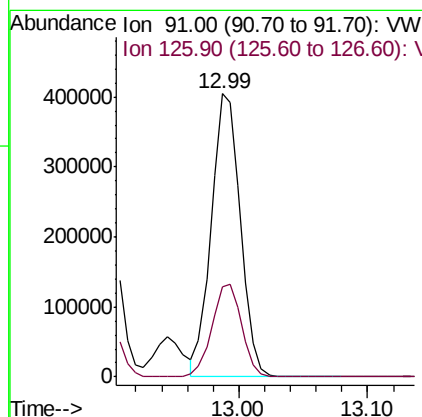
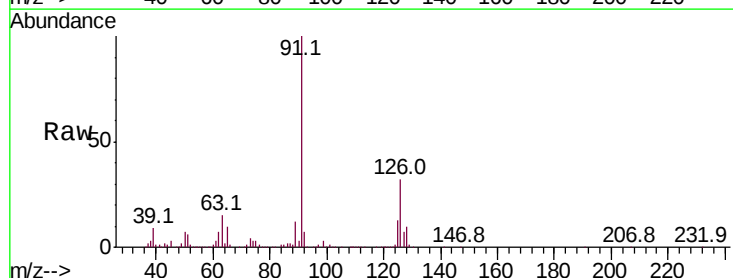
RT: 12.99 min Scan# 1818

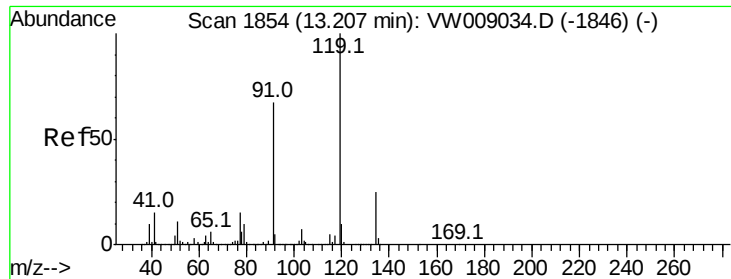
Delta R.T. -0.01 min

Lab File: VW009152.D

Acq: 13 Mar 2019 13:06

Tgt Ion:	91	Resp:	639046
Ion	Ratio	Lower	Upper
91	100		
126	33.5	16.6	49.8





#83

tert-Butylbenzene

Concen: 56.344 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW009152.D

Acq: 13 Mar 2019 13:06

Instrument :

MSVOA_W

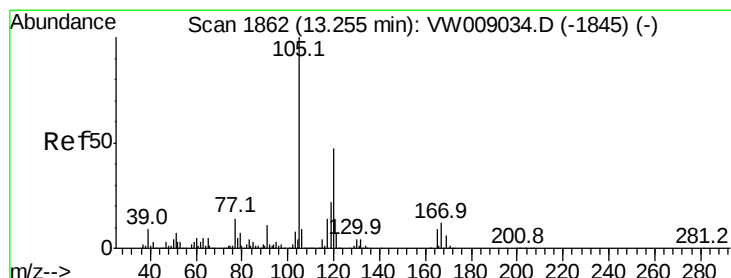
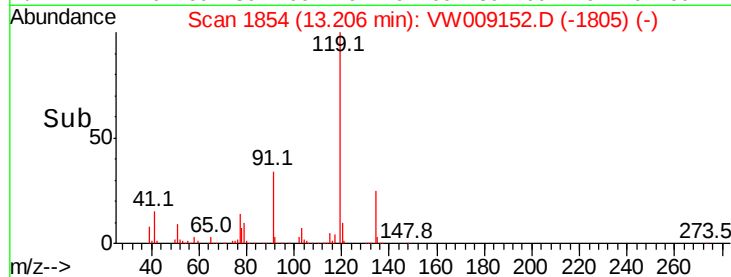
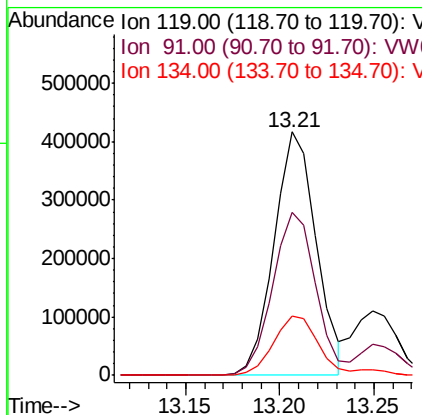
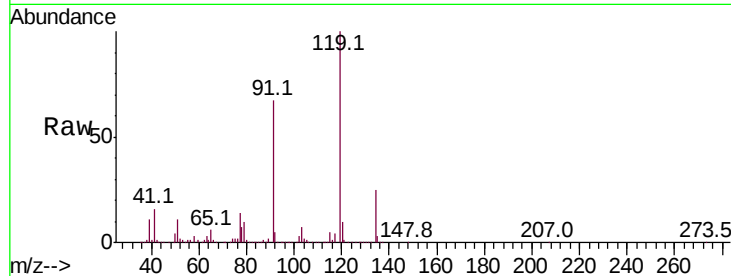
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	647011
Ion Ratio	Lower	Upper	
119	100		
91	68.9	34.2	102.5
134	27.3	13.9	41.6

Manual Integrations
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3/14/2019 3:33:15 PM



#84

1,2,4-Trimethylbenzene

Concen: 55.060 ug/l

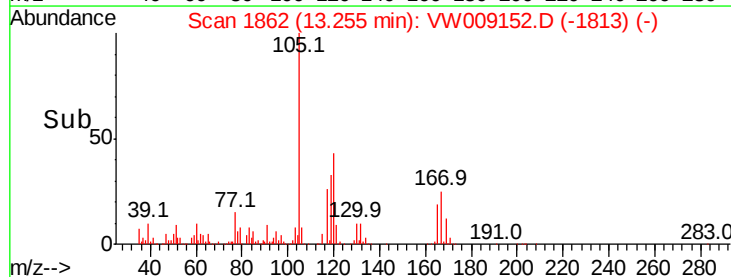
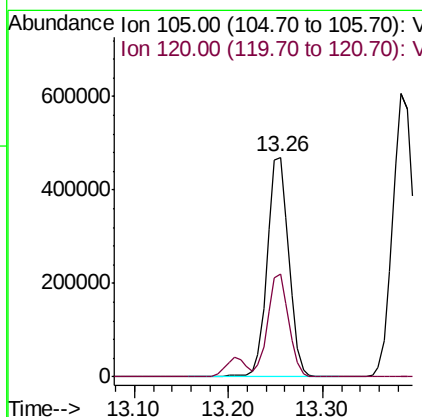
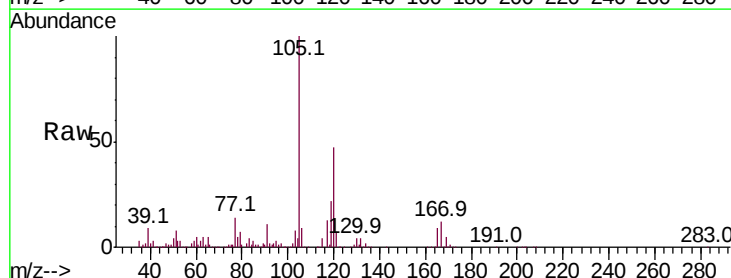
RT: 13.26 min Scan# 1862

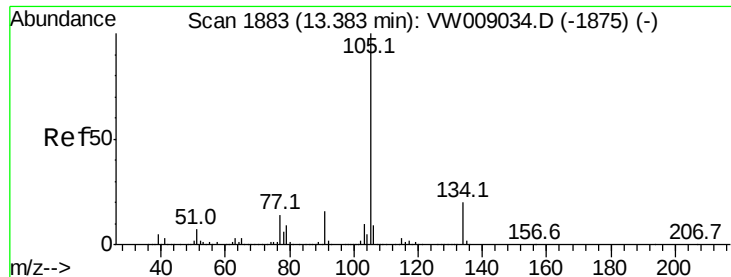
Delta R.T. -0.00 min

Lab File: VW009152.D

Acq: 13 Mar 2019 13:06

Tgt Ion:	105	Resp:	758360
Ion Ratio	Lower	Upper	
105	100		
120	45.3	22.8	68.4





#85

sec-Butylbenzene

Concen: 55.853 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW009152.D

Acq: 13 Mar 2019 13:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 950267

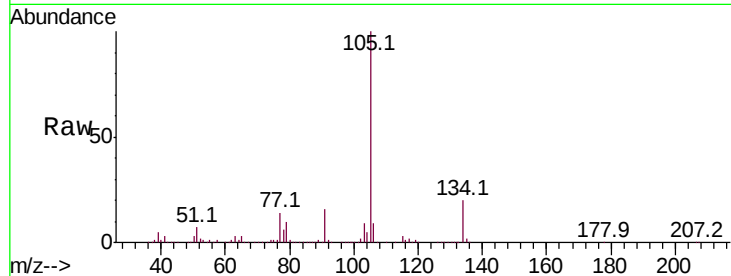
Ion Ratio Lower Upper

105 100

134 19.8 10.0 30.0

Manual Integrations
APPROVED

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

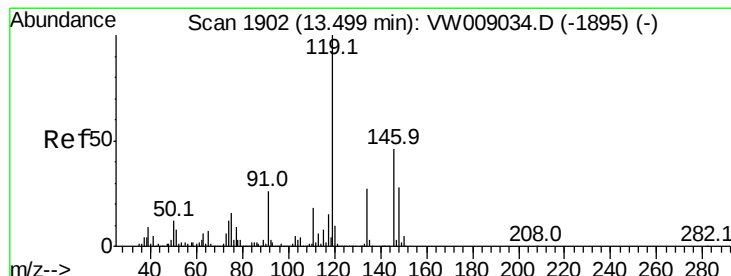
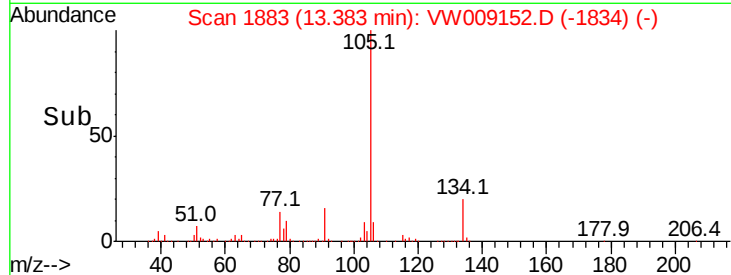
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 54.843 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW009152.D

Acq: 13 Mar 2019 13:06

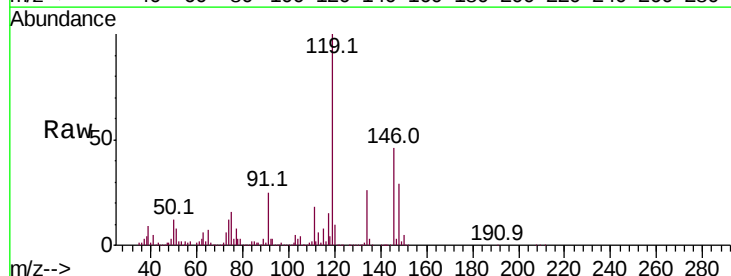
Tgt Ion:119 Resp: 834709

Ion Ratio Lower Upper

119 100

134 26.1 13.3 39.9

91 24.7 12.3 36.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.50

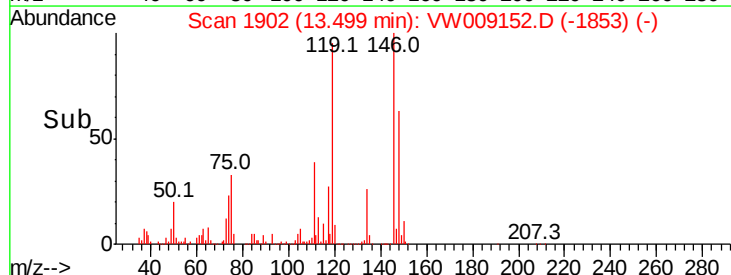
600000

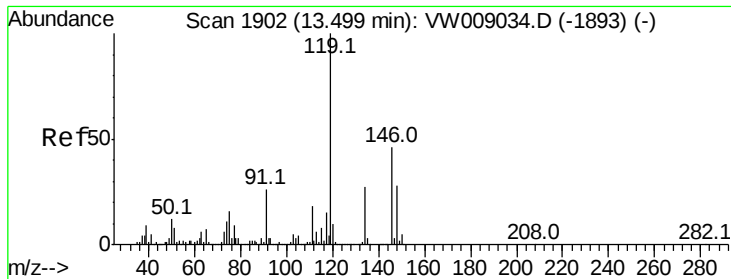
400000

200000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 54.112 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW009152.D

Acq: 13 Mar 2019 13:06

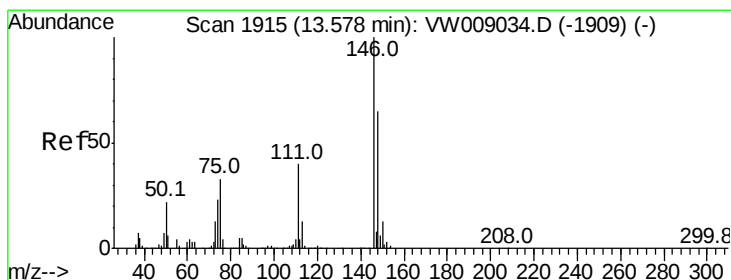
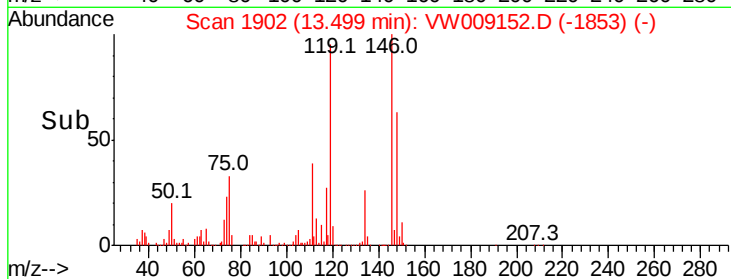
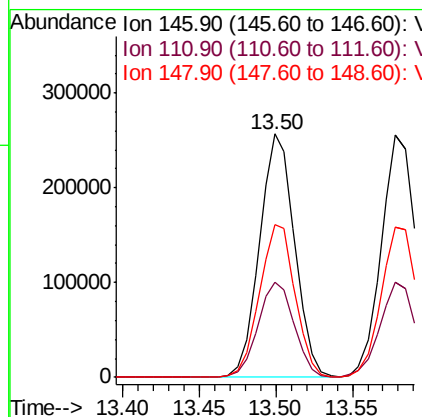
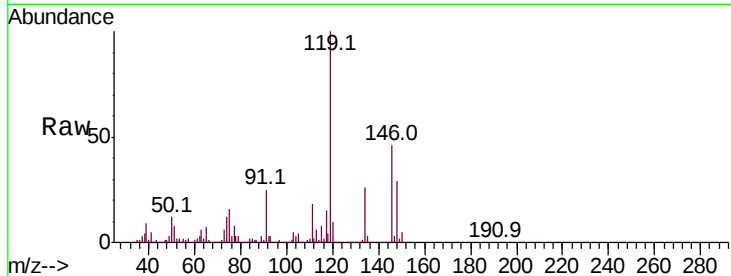
Instrument :
MSVOA_W

ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	19.8	59.4
148	63.7	31.6	94.8

Manual Integrations
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3/14/2019 3:33:15 PM



#88

1,4-Dichlorobenzene

Concen: 54.015 ug/l

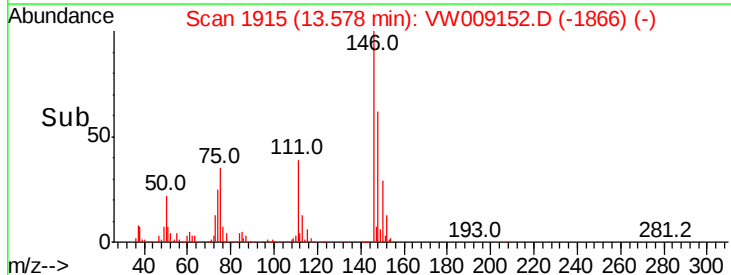
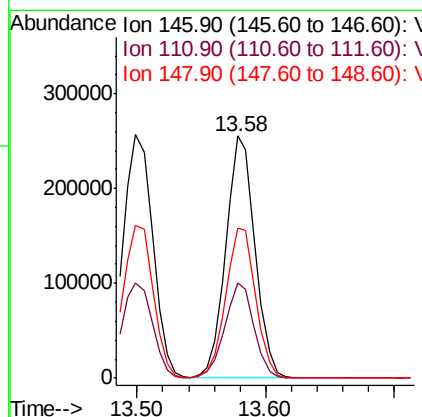
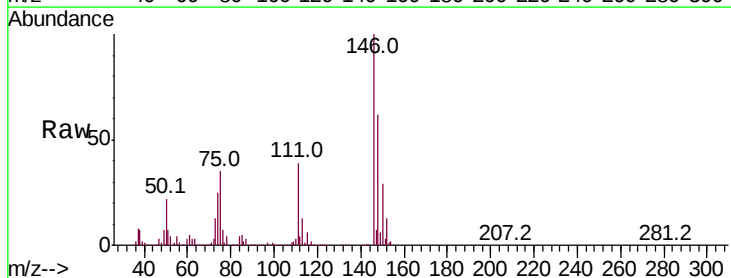
RT: 13.58 min Scan# 1915

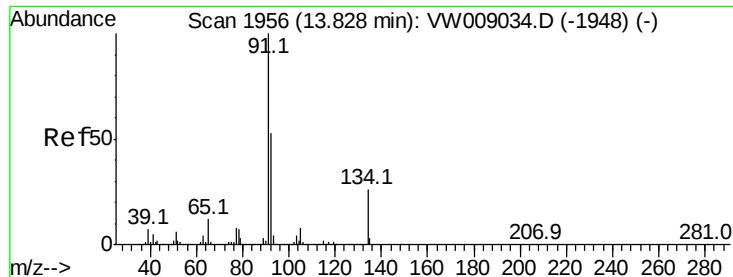
Delta R.T. -0.00 min

Lab File: VW009152.D

Acq: 13 Mar 2019 13:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.7	59.0
148	63.5	32.2	96.6





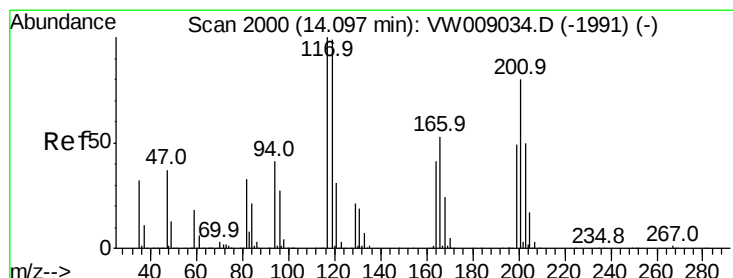
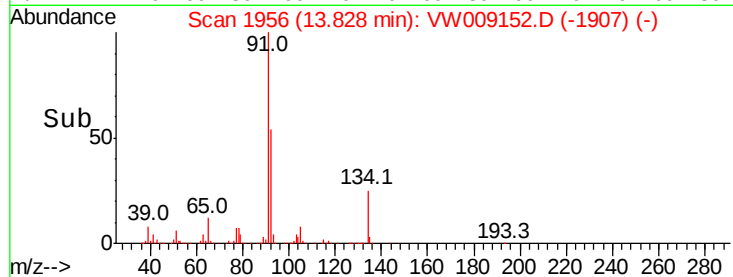
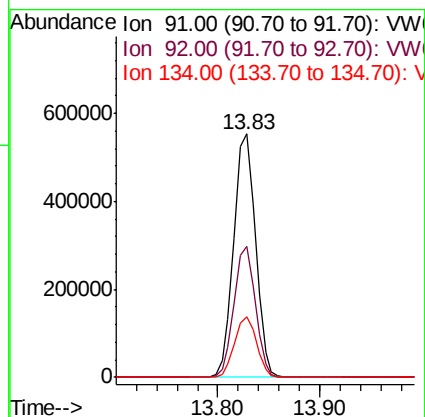
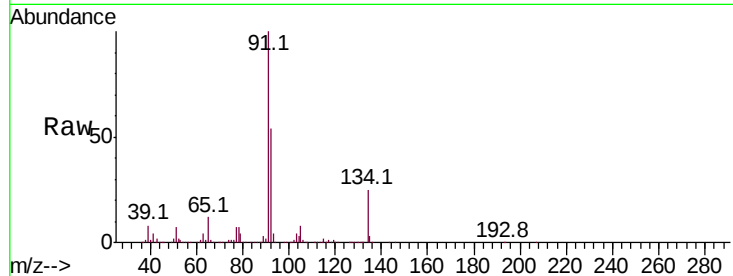
#89
n-Butylbenzene
Concen: 56.387 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW009152.D
Acq: 13 Mar 2019 13:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.8	26.8	80.3	
134	25.3	12.9	38.7	

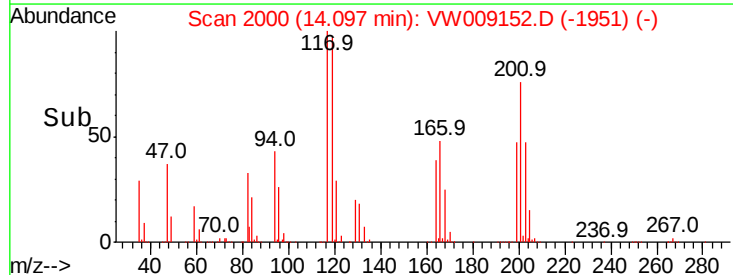
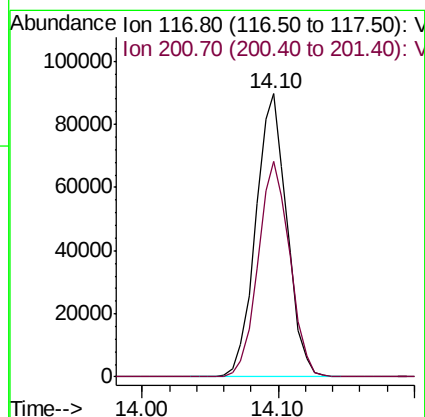
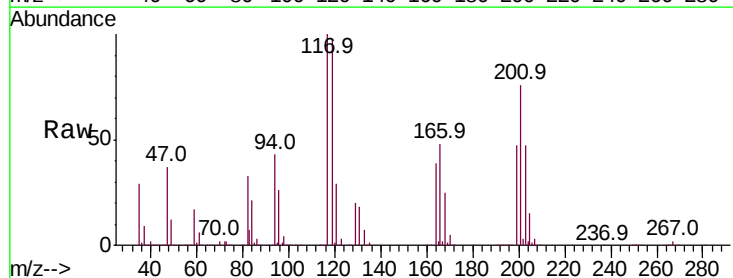
Manual Integrations
APPROVED

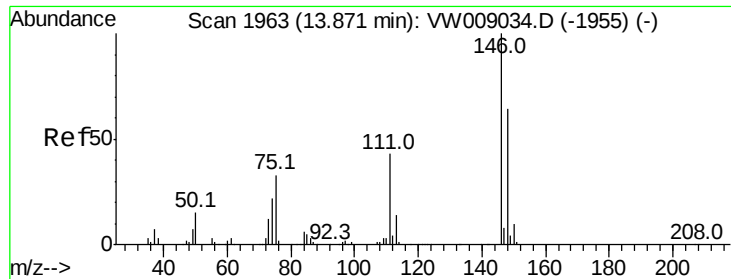
MMDadoda
3/14/2019 3:33:15 PM



#90
Hexachloroethane
Concen: 54.937 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW009152.D
Acq: 13 Mar 2019 13:06

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	77.3	39.1	117.5	





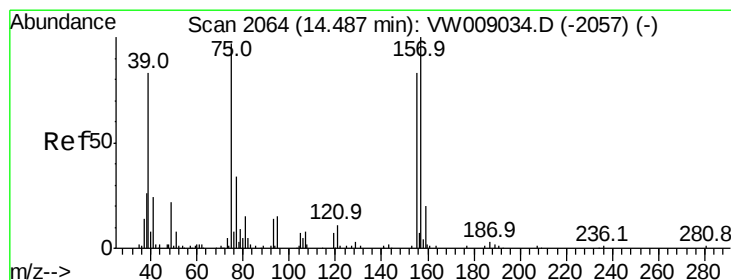
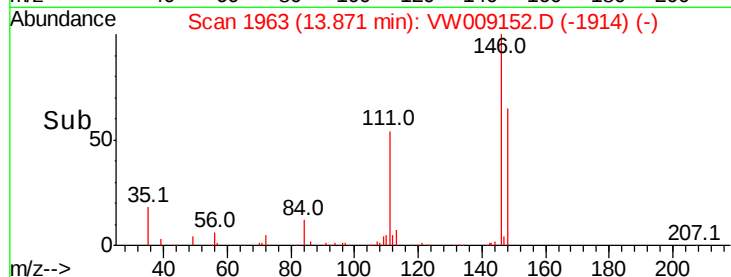
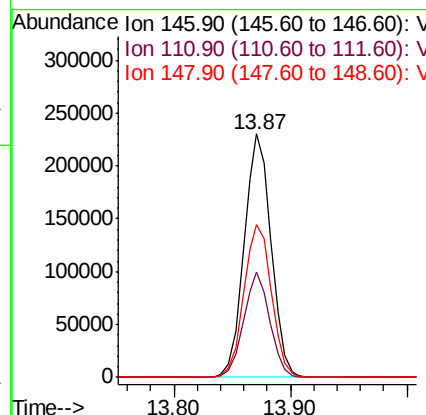
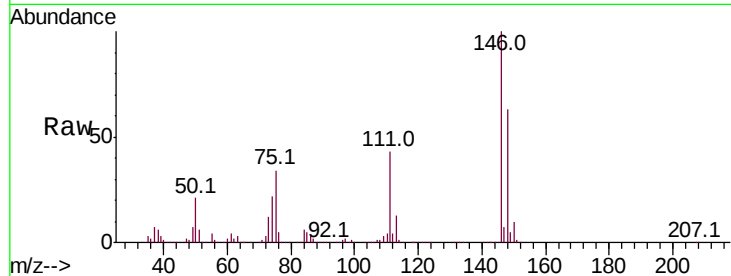
#91
 1,2-Dichlorobenzene
 Concen: 55.330 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW009152.D
 Acq: 13 Mar 2019 13:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.1	63.1
148	64.7	32.3	96.9

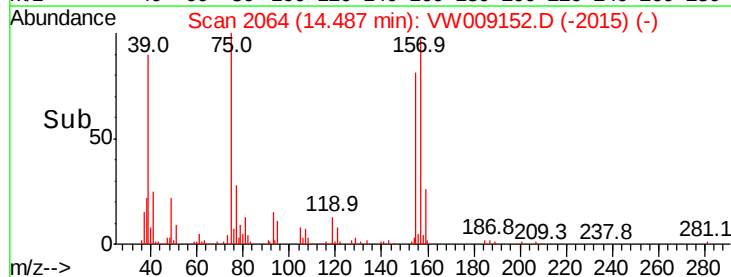
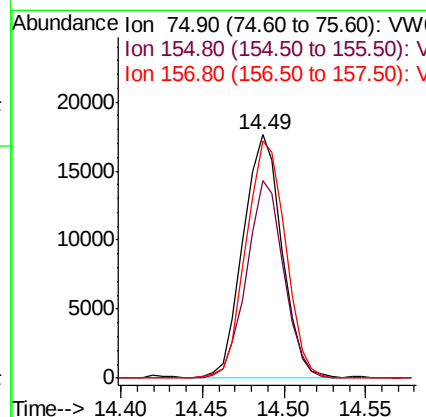
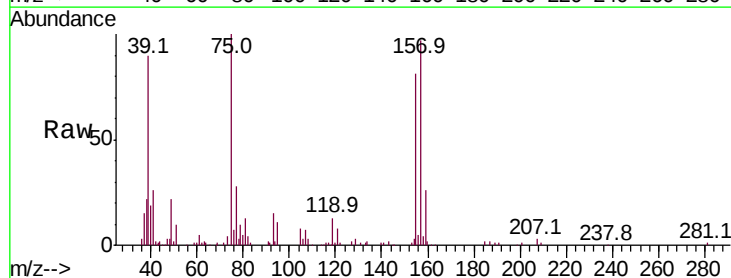
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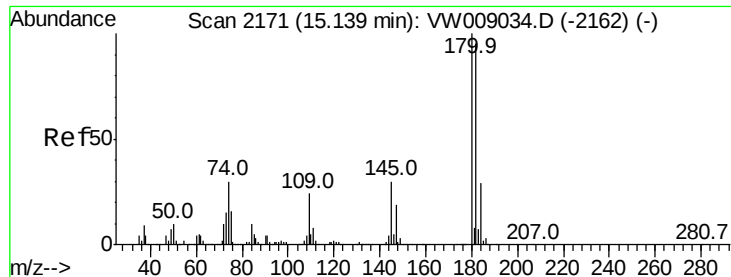
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 66.009 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW009152.D
 Acq: 13 Mar 2019 13:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.5	40.8	122.4
157	98.7	52.4	157.3





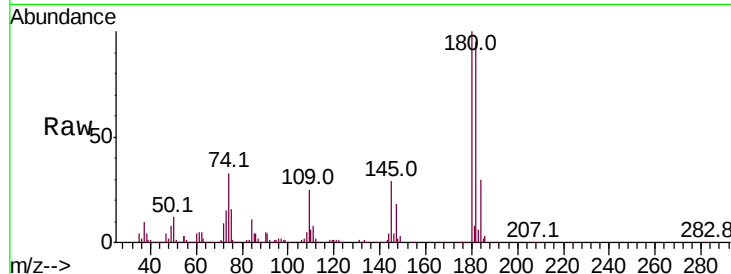
#93
 1,2,4-Trichlorobenzene
 Concen: 55.680 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW009152.D
 Acq: 13 Mar 2019 13:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

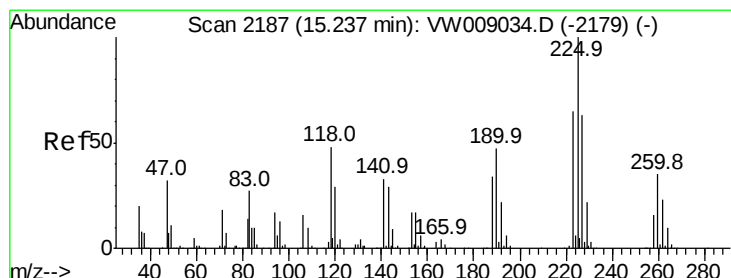
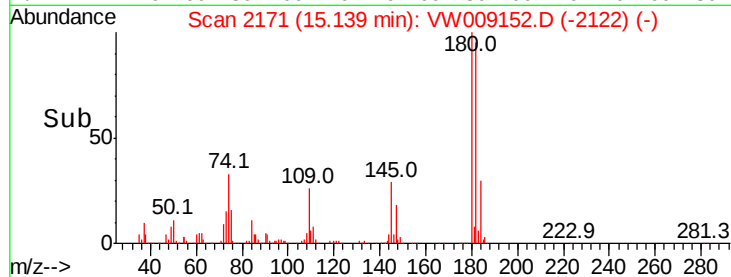
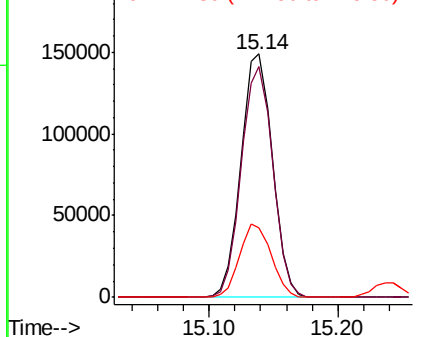
Tot Ion	Ratio	Resp	Lower	Upper
180	100	251638		
182	94.7	48.1	144.3	
145	30.5	15.4	46.1	

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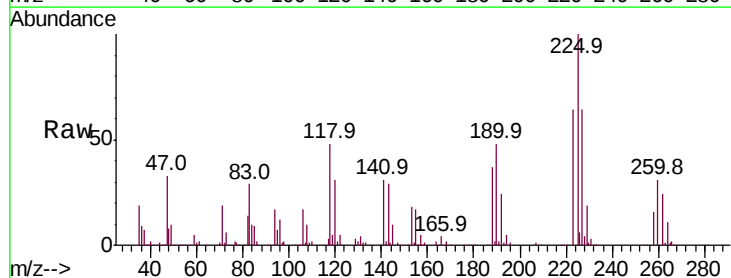


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

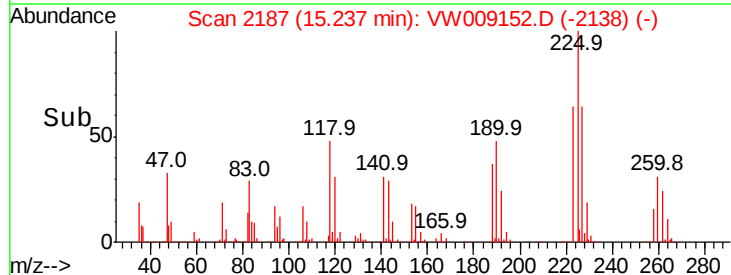
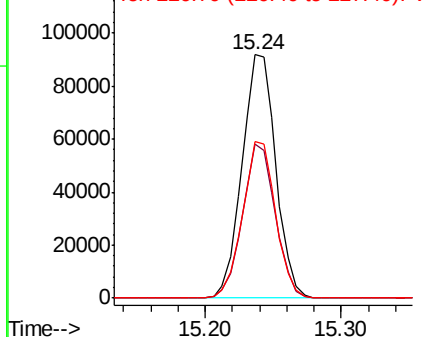


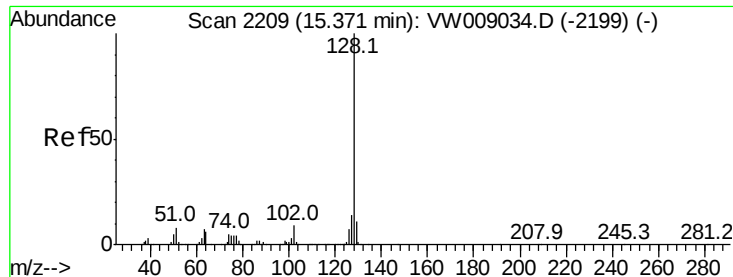
#94
 Hexachlorobutadiene
 Concen: 56.198 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW009152.D
 Acq: 13 Mar 2019 13:06

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	159083		
223	61.5	31.6	94.8	
227	62.7	32.0	96.2	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





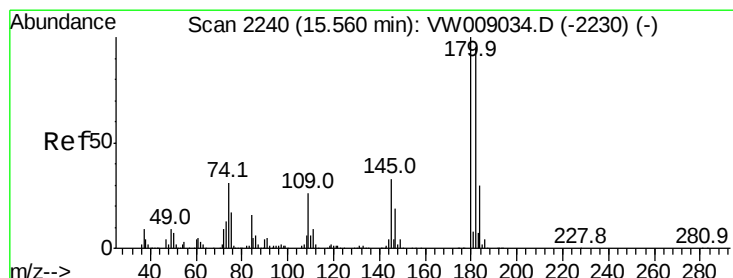
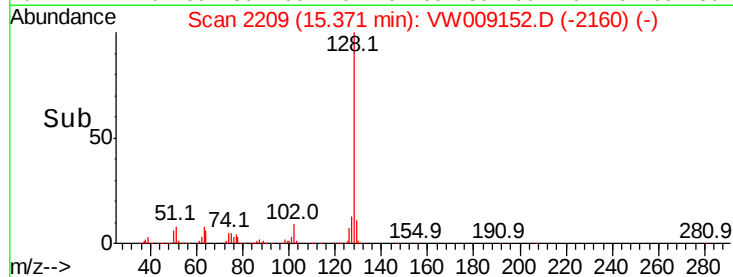
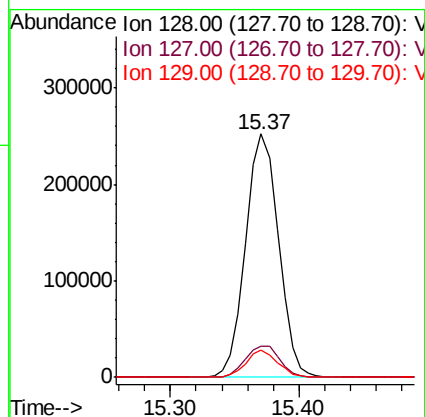
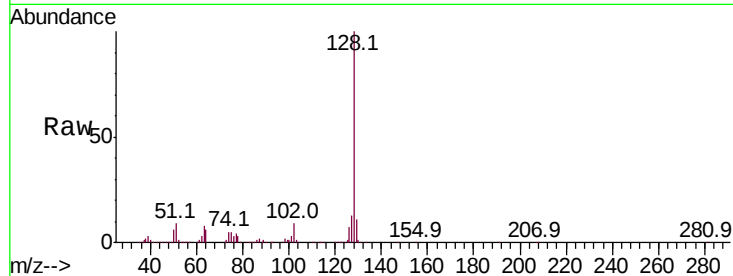
#95
Naphthalene
Concen: 60.257 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW009152.D
Acq: 13 Mar 2019 13:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:128	Resp:	445777
Ion Ratio	Lower	Upper
128 100		
127 13.6	11.0	16.6
129 10.7	8.8	13.2

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#96
1,2,3-Trichlorobenzene
Concen: 55.146 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW009152.D
Acq: 13 Mar 2019 13:06

Tgt Ion:180	Resp:	219151
Ion Ratio	Lower	Upper
180 100		
182 95.8	48.1	144.3
145 32.5	15.8	47.3

