

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031219\
 Data File : VW009121.D
 Acq On : 12 Mar 2019 11:30
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/14/2019 3:12:12 PM

Quant Time: Mar 13 02:18:32 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	281432	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	384394	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	383045	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	215104	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	134082	47.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.70%	
35) Dibromofluoromethane	7.88	113	118346	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	
50) Toluene-d8	10.32	98	519797	54.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.36%	
62) 4-Bromofluorobenzene	12.62	95	198005	52.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	114440	40.349	ug/l	97
3) Chloromethane	2.21	50	152742	42.392	ug/l	98
4) Vinyl Chloride	2.36	62	153776	42.055	ug/l	98
5) Bromomethane	2.76	94	138749	44.952	ug/l	99
6) Chloroethane	2.92	64	106418	40.881	ug/l	94
7) Trichlorofluoromethane	3.26	101	208512	44.289	ug/l	99
8) Diethyl Ether	3.69	74	57920	40.235	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.06	101	124792	42.559	ug/l	97
10) Methyl Iodide	4.27	142	110412	35.688	ug/l	99
11) Tert butyl alcohol	5.18	59	37286	171.843	ug/l #	89
12) 1,1-Dichloroethene	4.04	96	110833	43.819	ug/l	95
13) Acrolein	3.90	56	50654	212.152	ug/l	98
14) Allyl chloride	4.67	41	187088	41.933	ug/l	99
15) Acrylonitrile	5.37	53	128615	204.705	ug/l	100
16) Acetone	4.13	43	157130	245.920	ug/l	95
17) Carbon Disulfide	4.38	76	364143	42.789	ug/l	98
18) Methyl Acetate	4.67	43	61138	41.611	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	269381	40.261	ug/l	96
20) Methylene Chloride	4.92	84	130373	42.569	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	128728	44.077	ug/l	97
22) Diisopropyl ether	6.31	45	386381	43.578	ug/l	96
23) Vinyl Acetate	6.25	43	1130124	204.827	ug/l	99
24) 1,1-Dichloroethane	6.21	63	222176	43.202	ug/l	99
25) 2-Butanone	7.17	43	195118	220.962	ug/l	99
26) 2,2-Dichloropropane	7.17	77	211495	45.244	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	134510	42.884	ug/l	98
28) Bromochloromethane	7.51	49	103643	48.452	ug/l	99
29) Tetrahydrofuran	7.53	42	107898	193.898	ug/l	98
30) Chloroform	7.67	83	228937	43.240	ug/l	99
31) Cyclohexane	7.95	56	220574	41.772	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	214904	43.982	ug/l	99
36) 1,1-Dichloropropene	8.08	75	188177	46.819	ug/l	98
37) Ethyl Acetate	7.25	43	75512	39.998	ug/l	99
38) Carbon Tetrachloride	8.07	117	196066	47.235	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	225616	47.128	ug/l	96
40) Benzene	8.32	78	505345	47.099	ug/l	98
41) Methacrylonitrile	7.48	41	43073	41.085	ug/l	98
42) 1,2-Dichloroethane	8.40	62	153034	44.180	ug/l	100
43) Isopropyl Acetate	8.43	43	148334	42.186	ug/l	99
44) Trichloroethene	9.09	130	136978	45.551	ug/l	97
45) 1,2-Dichloropropane	9.37	63	124654	46.388	ug/l	98
46) Dibromomethane	9.46	93	65337	44.520	ug/l	99
47) Bromodichloromethane	9.64	83	170440	45.878	ug/l	99
48) Methyl methacrylate	9.43	41	72155	44.071	ug/l	91
49) 1,4-Dioxane	9.45	88	18197	865.879	ug/l #	78
51) 4-Methyl-2-Pentanone	10.21	43	396105	221.901	ug/l	99
52) Toluene	10.39	92	354983	48.785	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	167509	45.589	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	192586	45.611	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	89842	45.166	ug/l	96
56) Ethyl methacrylate	10.65	69	116168	47.056	ug/l	98
57) 1,3-Dichloropropane	10.93	76	156639	44.452	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	314496	245.739	ug/l	99
59) 2-Hexanone	10.97	43	309711	246.773	ug/l	100
60) Dibromochloromethane	11.13	129	114147	46.370	ug/l	99
61) 1,2-Dibromoethane	11.23	107	86894	44.561	ug/l	99
64) Tetrachloroethene	10.86	164	129613	46.921	ug/l	95
65) Chlorobenzene	11.66	112	385111	46.191	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	128574	46.186	ug/l	99
67) Ethyl Benzene	11.73	91	714404	47.431	ug/l	99
68) m/p-Xylenes	11.84	106	567376	95.434	ug/l	99
69) o-Xylene	12.17	106	261849	47.336	ug/l	97
70) Styrene	12.18	104	424940	47.479	ug/l	99
71) Bromoform	12.35	173	67492	45.153	ug/l #	99
73) Isopropylbenzene	12.47	105	734639	47.692	ug/l	100
74) N-amyl acetate	12.27	43	162979	44.694	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	106817	43.961	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	93828m	55.209	ug/l	
77) Bromobenzene	12.75	156	164097	46.624	ug/l	96
78) n-propylbenzene	12.80	91	914931	48.221	ug/l	99
79) 2-Chlorotoluene	12.90	91	503667	47.247	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	635532	47.864	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	33086	43.545	ug/l	99
82) 4-Chlorotoluene	12.99	91	533448	46.944	ug/l	100
83) tert-Butylbenzene	13.21	119	541619	48.366	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	639429	47.606	ug/l	100
85) sec-Butylbenzene	13.38	105	810362	48.841	ug/l	99
86) p-Isopropyltoluene	13.50	119	717412	48.335	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	344653	46.596	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	344168	47.083	ug/l	98
89) n-Butylbenzene	13.83	91	691017	48.973	ug/l	99
90) Hexachloroethane	14.10	117	123319	48.174	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	303293	46.474	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	19295	44.585	ug/l	97

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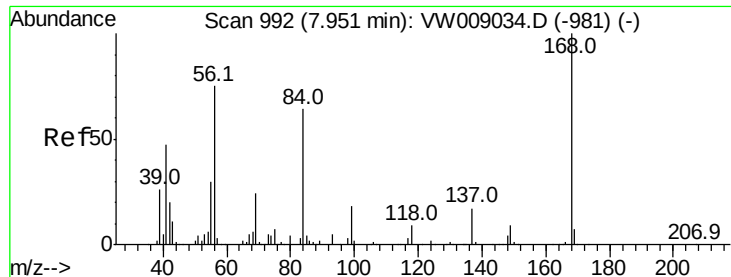
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	206330	46.815	ug/l	97
94) Hexachlorobutadiene	15.24	225	134338	48.663	ug/l	99
95) Naphthalene	15.37	128	327871	45.446	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	175410	45.262	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW009121.D

Acq: 12 Mar 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 281432

Ion Ratio Lower Upper

168 100

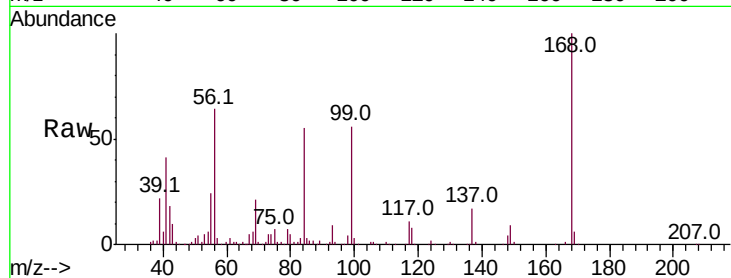
99 56.2 42.2 63.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

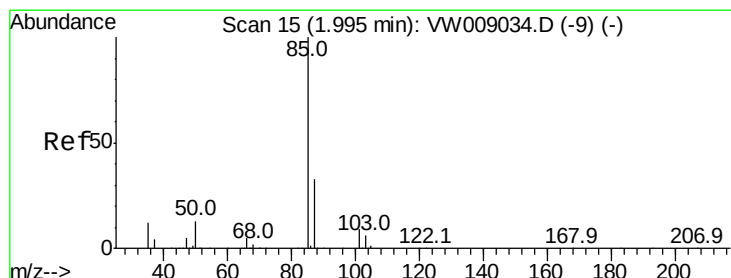
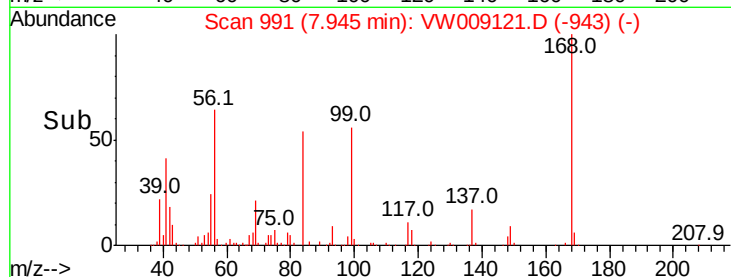
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 40.349 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.01 min

Lab File: VW009121.D

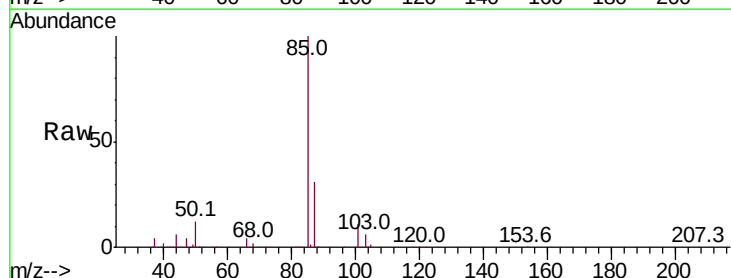
Acq: 12 Mar 2019 11:30

Tgt Ion: 85 Resp: 114440

Ion Ratio Lower Upper

85 100

87 30.9 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

80000

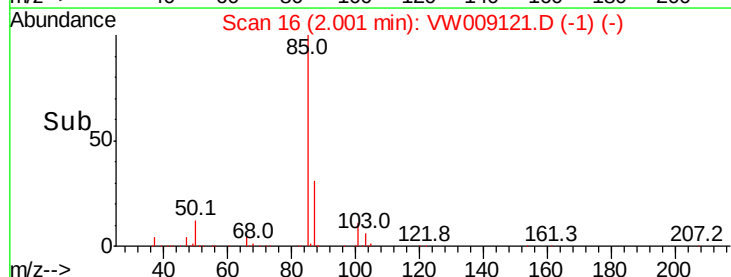
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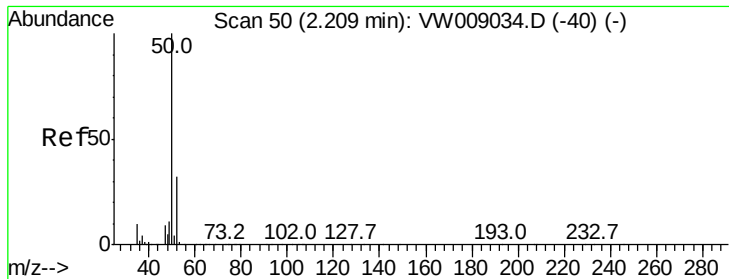
40000

20000

0

Time--> 1.90 1.95 2.00 2.05 2.10





#3

Chloromethane

Concen: 42.392 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW009121.D

Acq: 12 Mar 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 152742

Ion Ratio Lower Upper

50 100

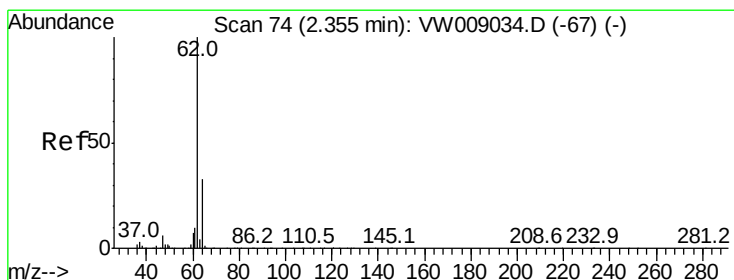
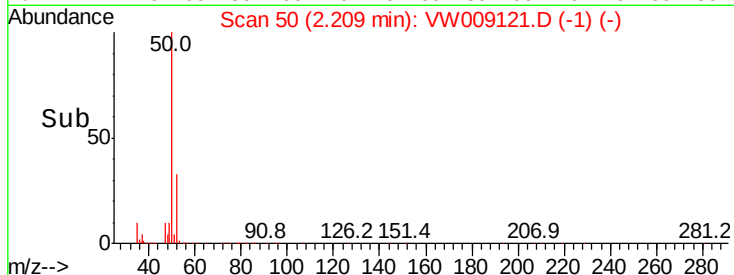
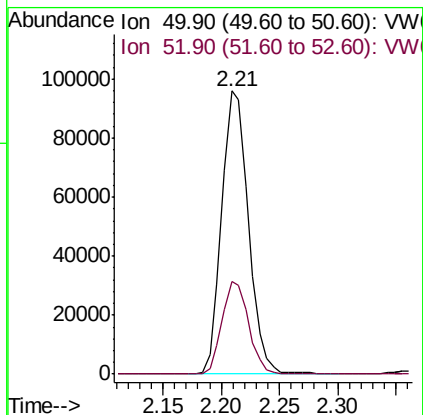
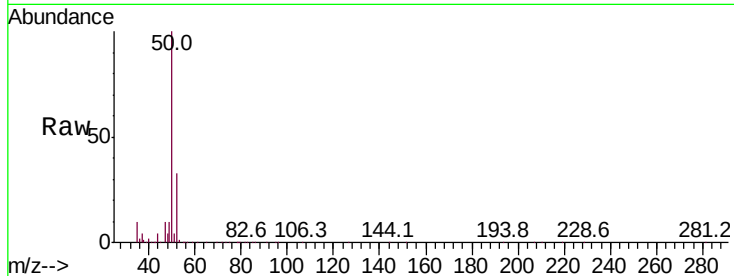
52 32.7 25.4 38.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 42.055 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW009121.D

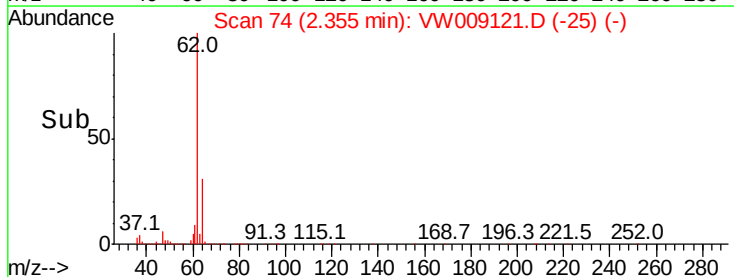
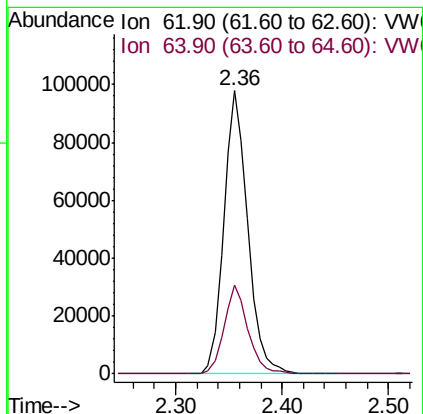
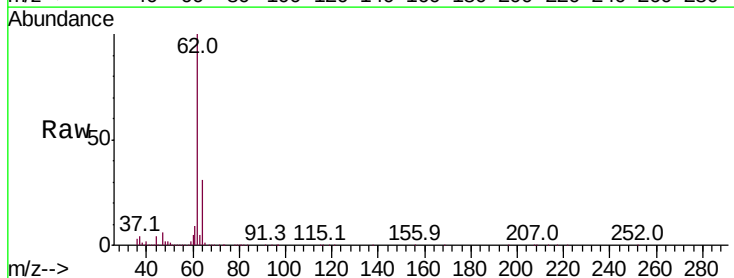
Acq: 12 Mar 2019 11:30

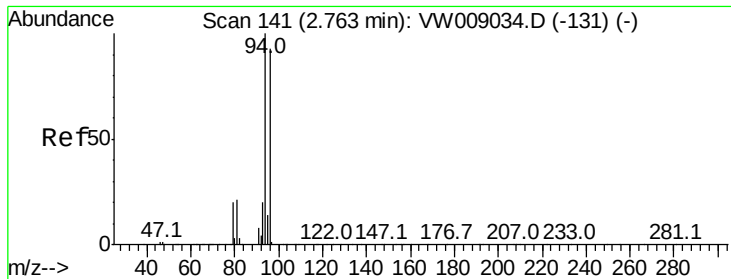
Tgt Ion: 62 Resp: 153776

Ion Ratio Lower Upper

62 100

64 31.4 26.0 39.0





#5

Bromomethane

Concen: 44.952 ug/l

RT: 2.76 min Scan# 141

Delta R.T. 0.00 min

Lab File: VW009121.D

Acq: 12 Mar 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 138749

Ion Ratio Lower Upper

94 100

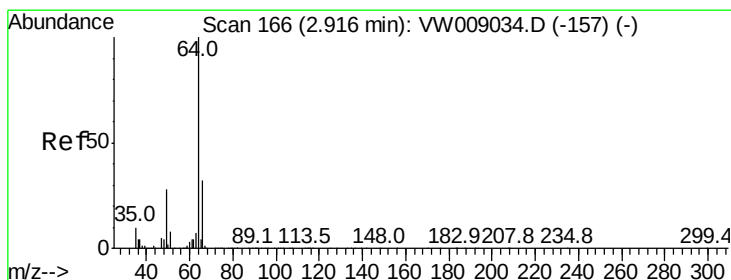
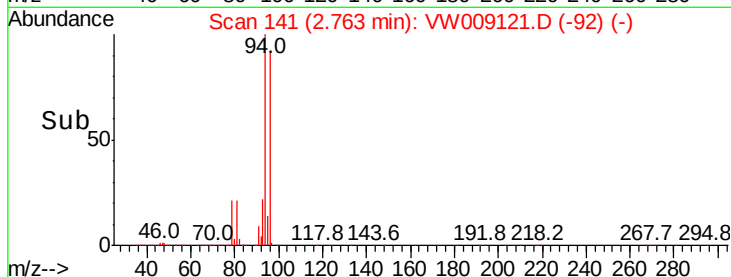
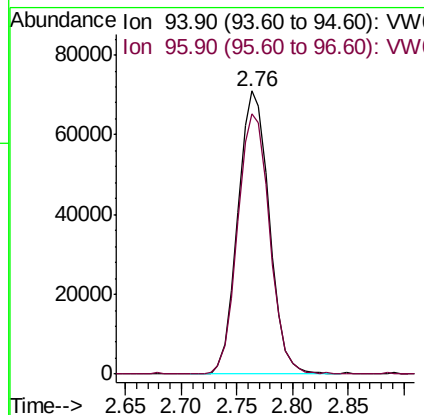
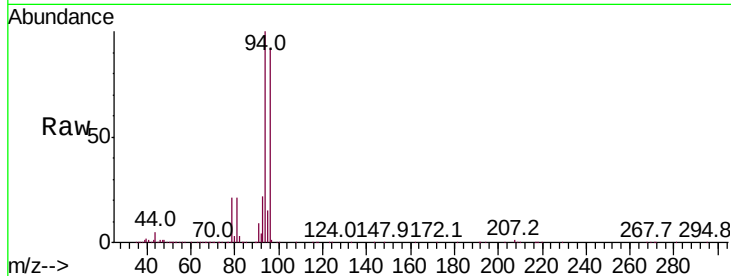
96 91.9 74.4 111.6

Manual Integrations

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#6

Chloroethane

Concen: 40.881 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW009121.D

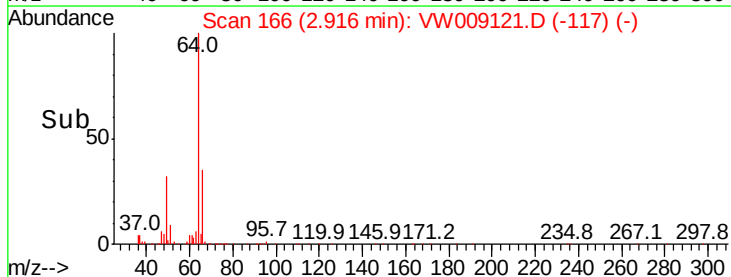
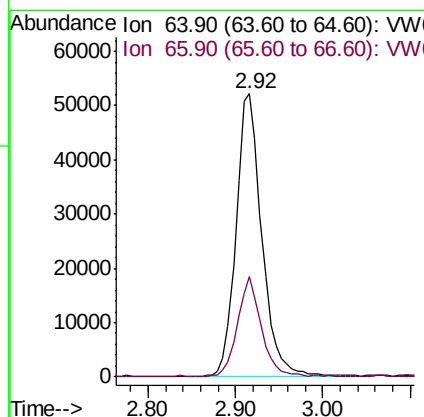
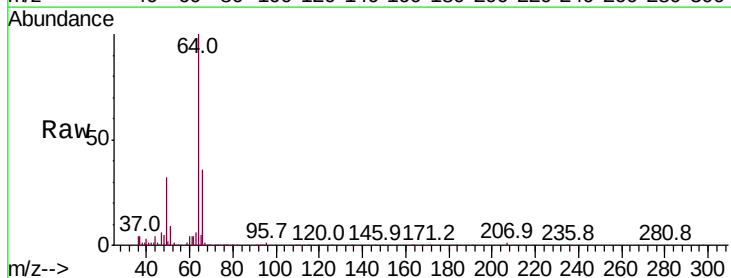
Acq: 12 Mar 2019 11:30

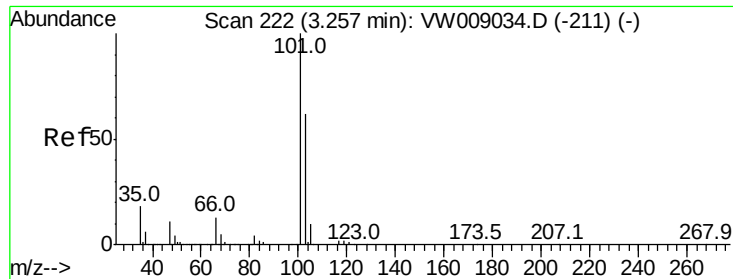
Tgt Ion: 64 Resp: 106418

Ion Ratio Lower Upper

64 100

66 35.5 25.5 38.3





#7

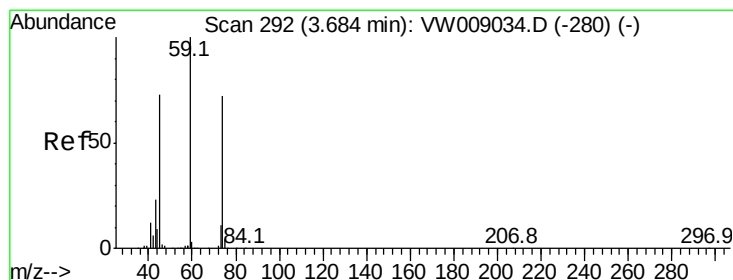
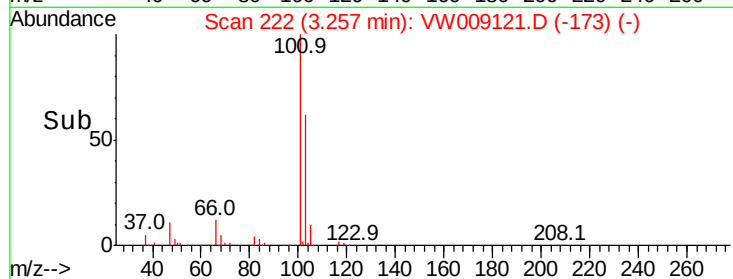
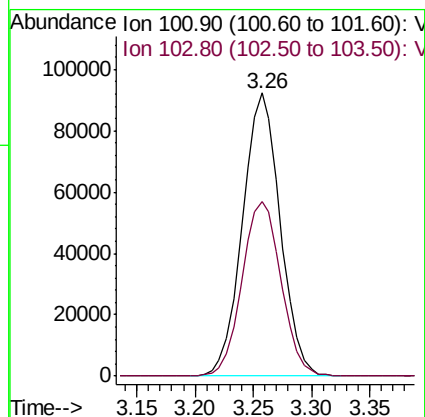
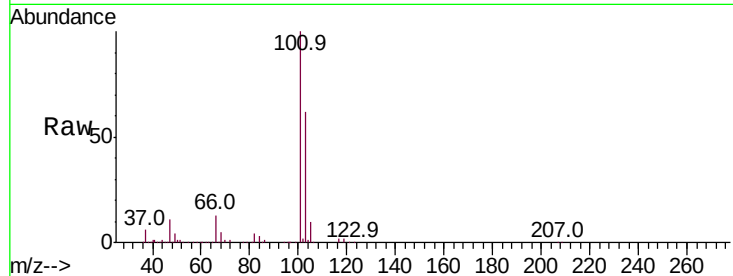
Trichlorofluoromethane
Concen: 44.289 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.00 min
Lab File: VW009121.D
Acq: 12 Mar 2019 11:30

Instrument :
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VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	208512		
103	61.5	49.9	74.9	

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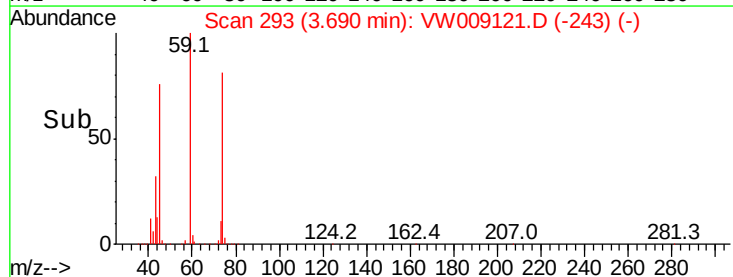
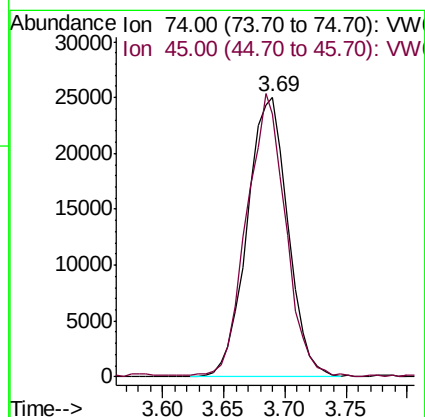
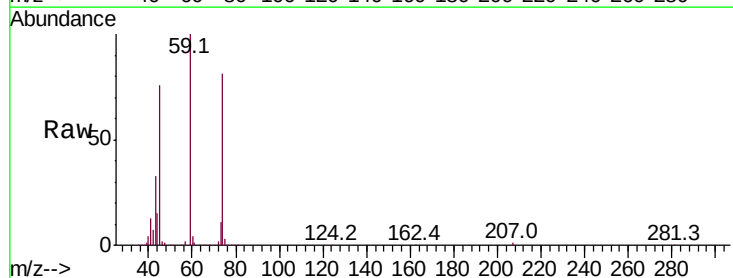
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3/14/2019 3:12:12 PM

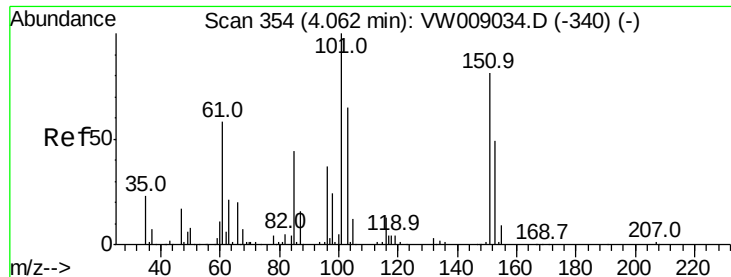


#8

Diethyl Ether
Concen: 40.235 ug/l
RT: 3.69 min Scan# 293
Delta R.T. 0.01 min
Lab File: VW009121.D
Acq: 12 Mar 2019 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	57920		
45	97.5	52.3	157.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 42.559 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW009121.D

Acq: 12 Mar 2019 11:30

Instrument :

MSVOA_W

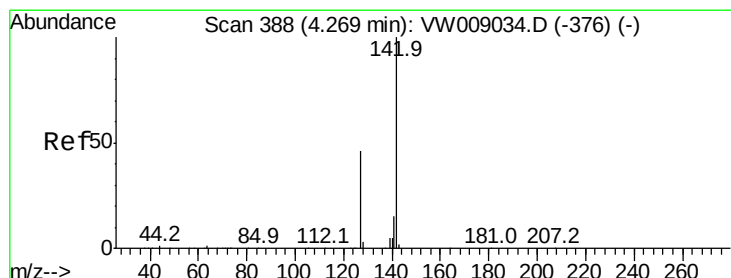
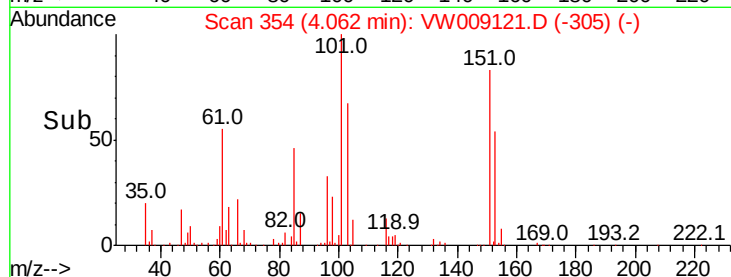
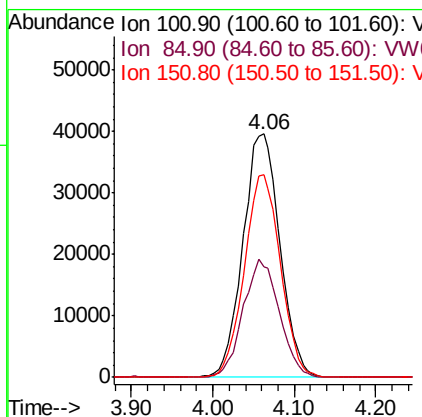
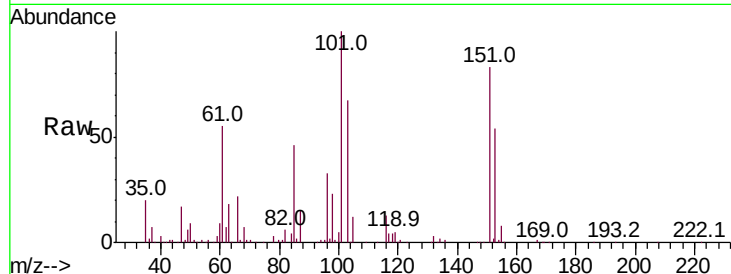
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	124792
Ion Ratio	Lower	Upper	
101	100		
85	47.6	36.2	54.4
151	81.5	63.4	95.2

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#10

Methyl Iodide

Concen: 35.688 ug/l

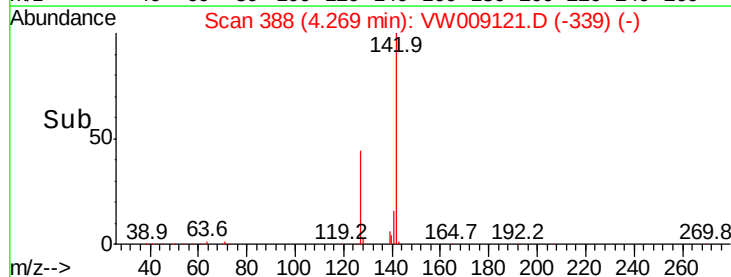
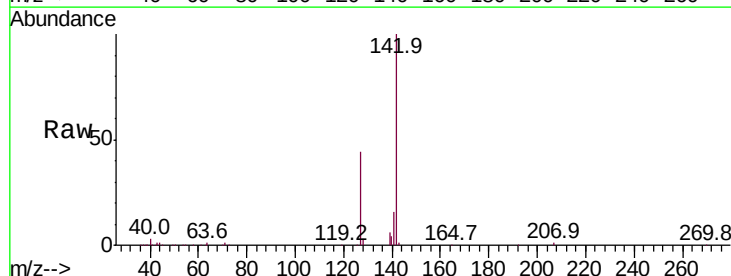
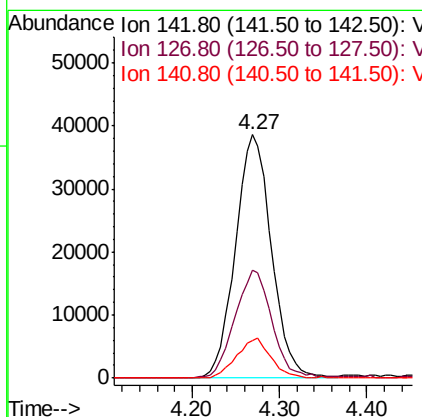
RT: 4.27 min Scan# 388

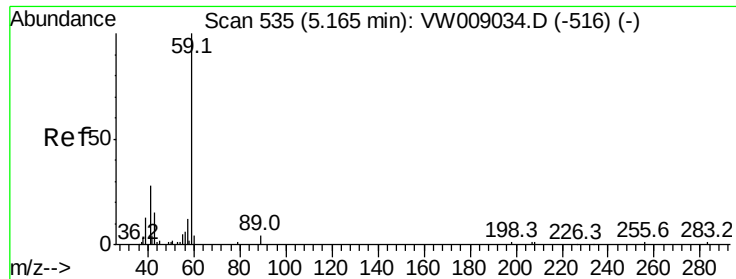
Delta R.T. 0.00 min

Lab File: VW009121.D

Acq: 12 Mar 2019 11:30

Tgt Ion:	142	Resp:	110412
Ion Ratio	Lower	Upper	
142	100		
127	45.4	35.8	53.6
141	15.5	11.8	17.8





#11

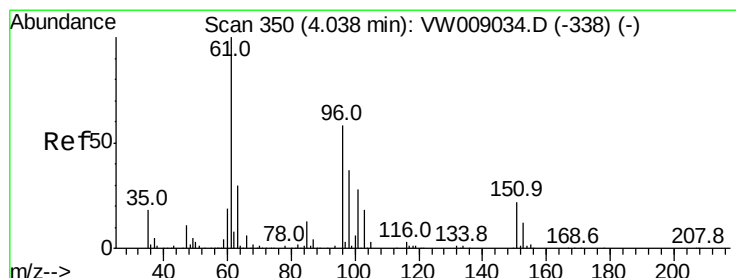
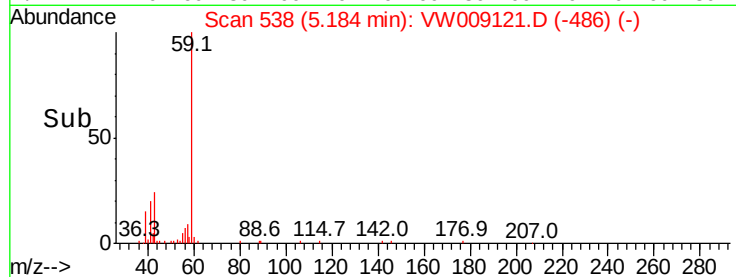
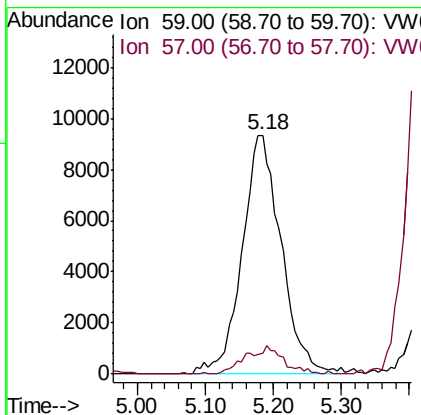
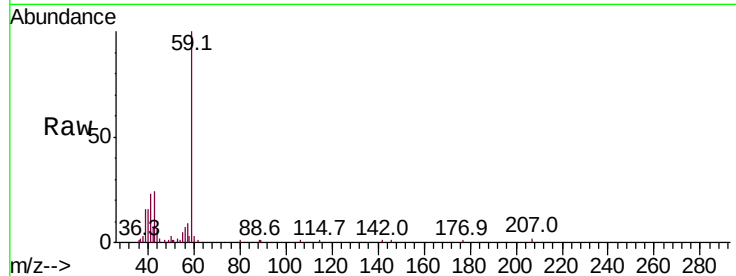
Tert butyl alcohol
Concen: 171.843 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.02 min
Lab File: VW009121.D
Acq: 12 Mar 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.5	8.6	12.8#

Manual Integrations
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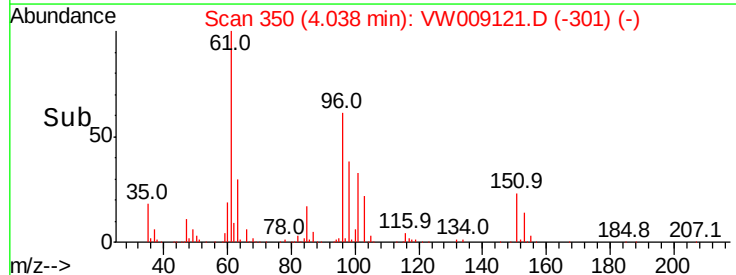
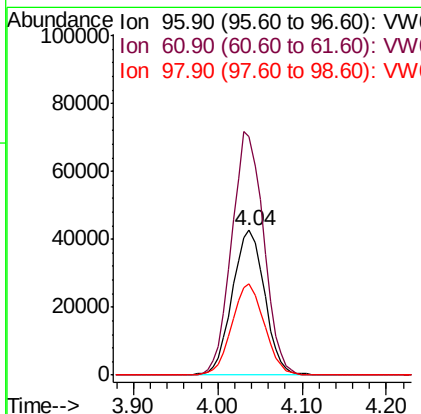
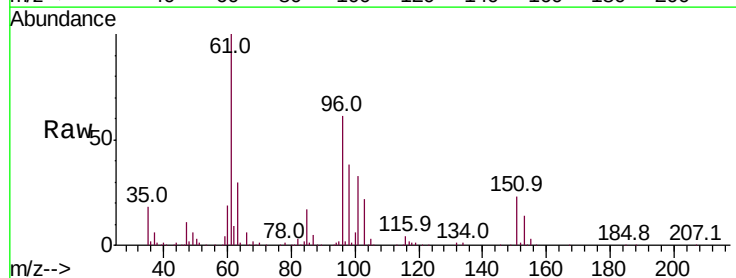
MMDadoda
3/14/2019 3:12:12 PM

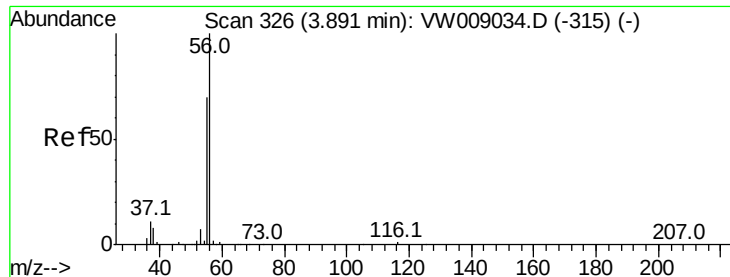


#12

1,1-Dichloroethene
Concen: 43.819 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW009121.D
Acq: 12 Mar 2019 11:30

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.8	138.2	207.2
98	62.9	51.3	76.9





#13

Acrolein

Concen: 212.152 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW009121.D

Acq: 12 Mar 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 50654

Ion Ratio Lower Upper

56 100

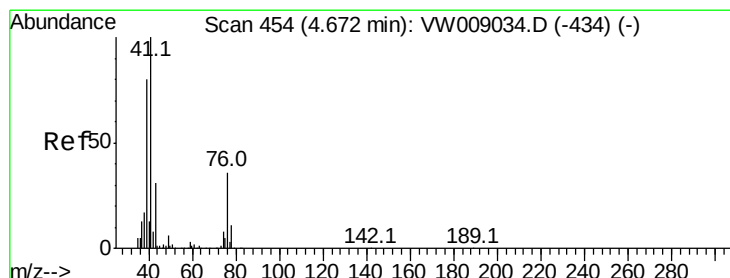
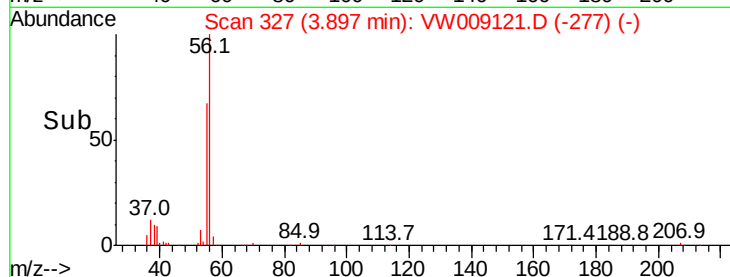
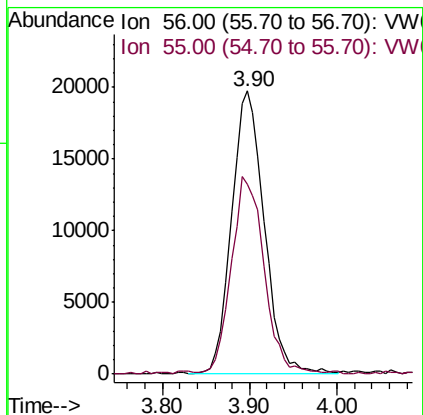
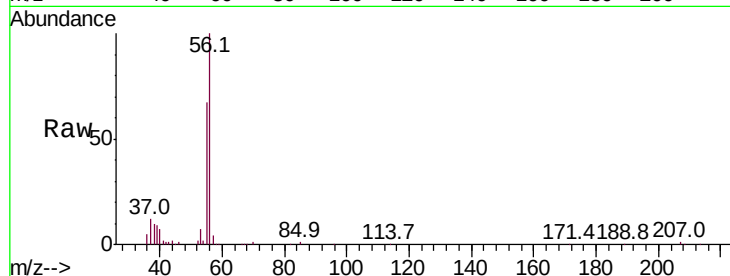
55 69.4 56.6 84.8

Manual Integrations

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#14

Allyl chloride

Concen: 41.933 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW009121.D

Acq: 12 Mar 2019 11:30

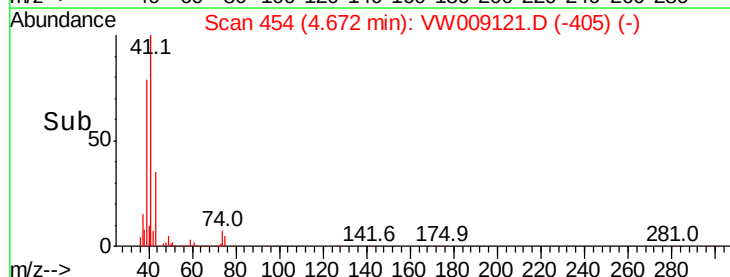
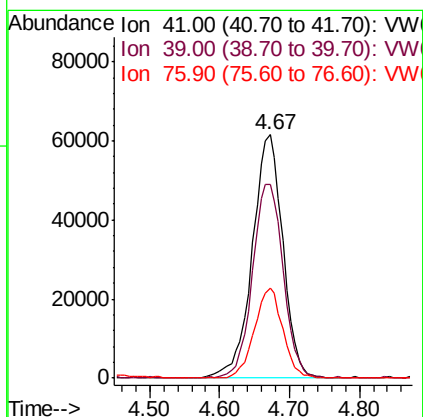
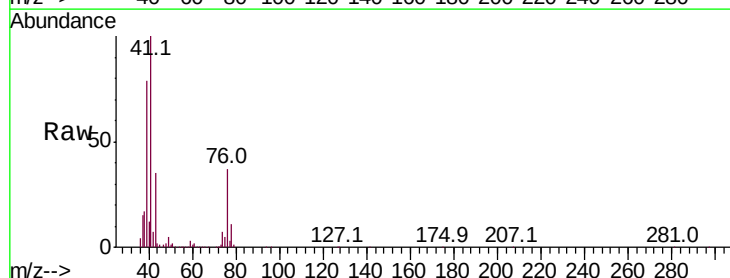
Tgt Ion: 41 Resp: 187088

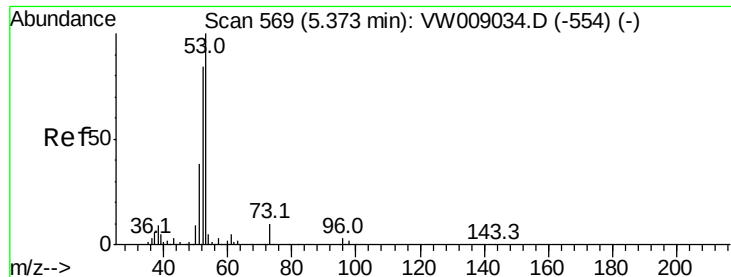
Ion Ratio Lower Upper

41 100

39 79.4 63.0 94.4

76 34.4 28.2 42.2





#15

Acrylonitrile

Concen: 204.705 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.01 min

Lab File: VW009121.D

Acq: 12 Mar 2019 11:30

Instrument :

MSVOA_W

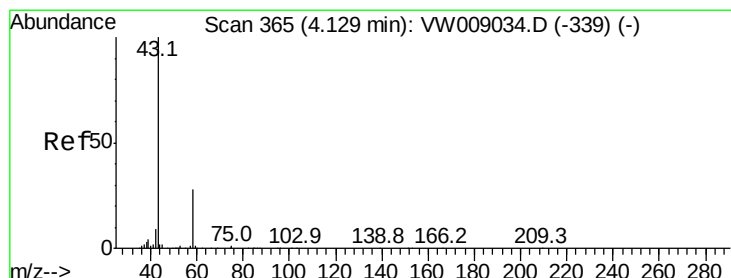
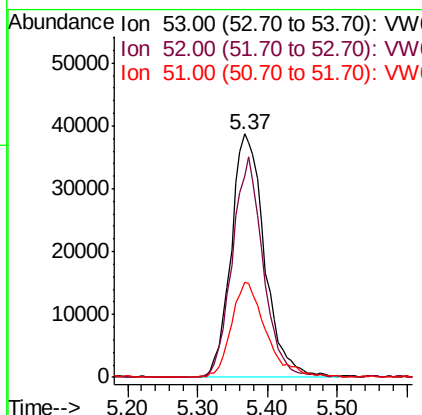
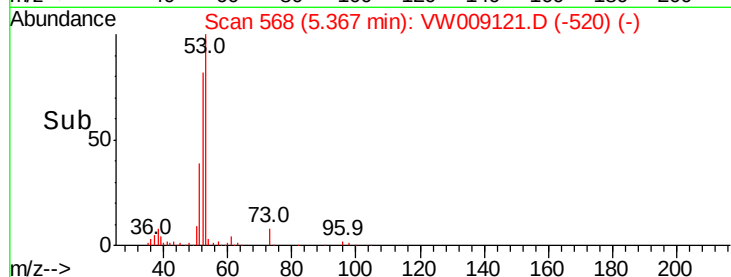
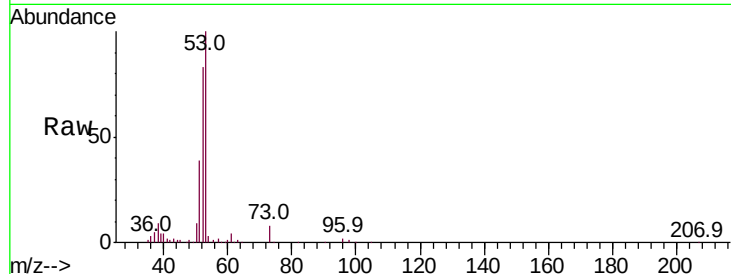
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	128615
Ion Ratio	Lower	Upper	
53	100		
52	84.0	67.2	100.8
51	40.5	31.8	47.6

Manual Integrations
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#16

Acetone

Concen: 245.920 ug/l

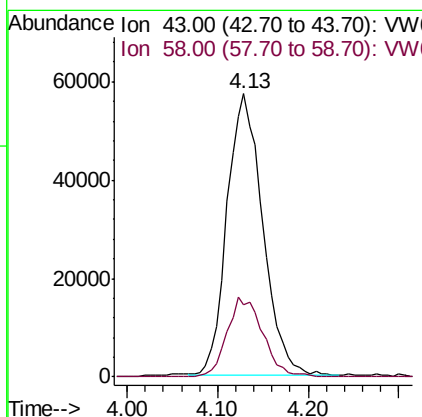
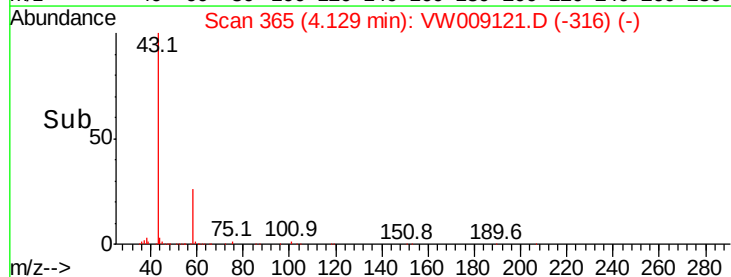
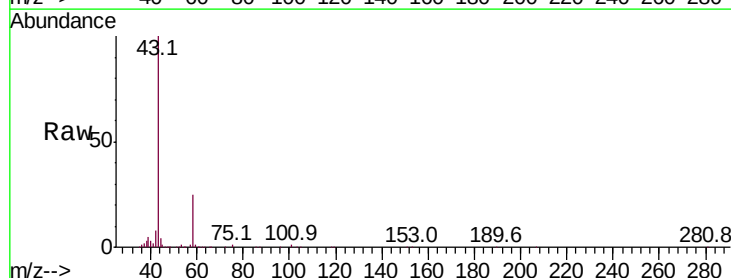
RT: 4.13 min Scan# 365

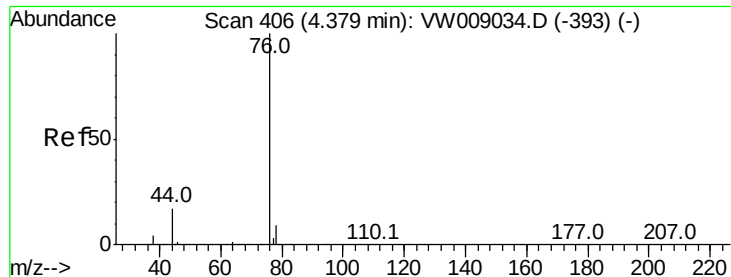
Delta R.T. 0.00 min

Lab File: VW009121.D

Acq: 12 Mar 2019 11:30

Tgt Ion:	43	Resp:	157130
Ion Ratio	Lower	Upper	
43	100		
58	25.2	22.5	33.7





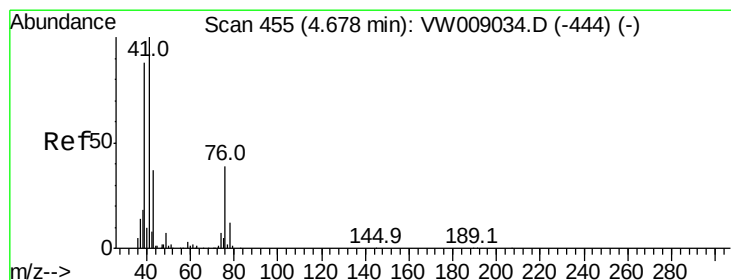
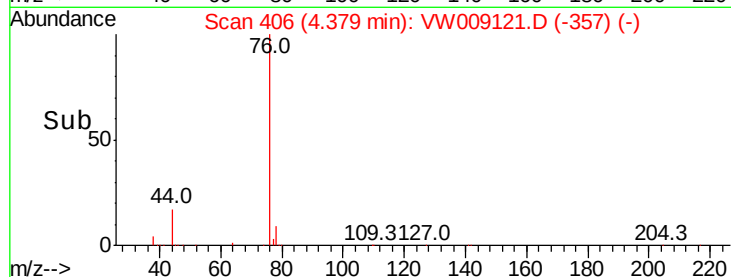
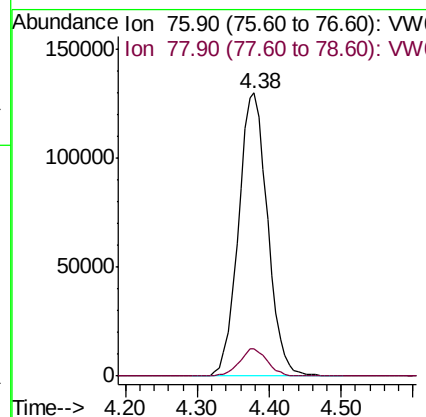
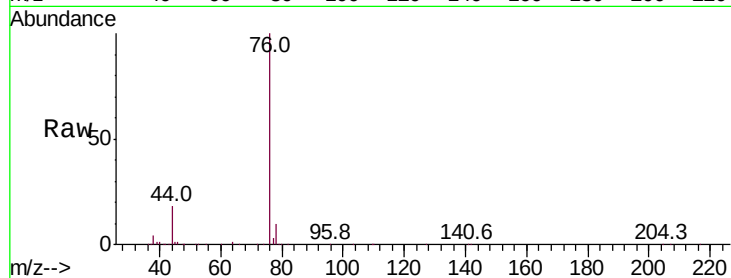
#17
Carbon Disulfide
Concen: 42.789 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW009121.D
Acq: 12 Mar 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.0	10.6

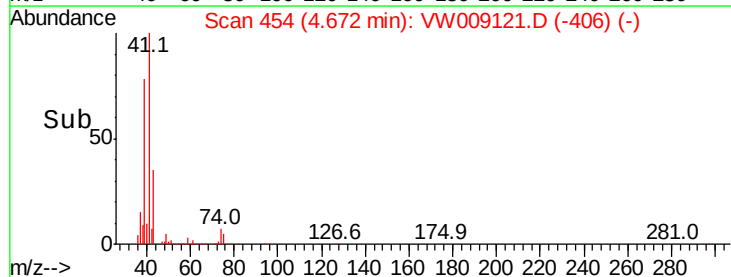
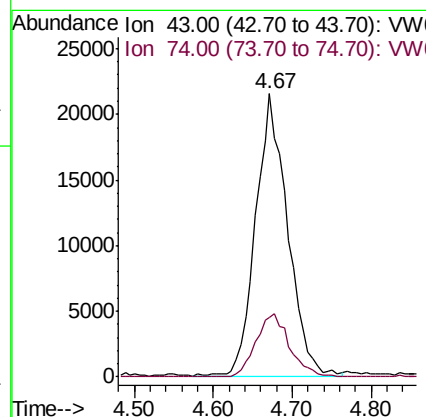
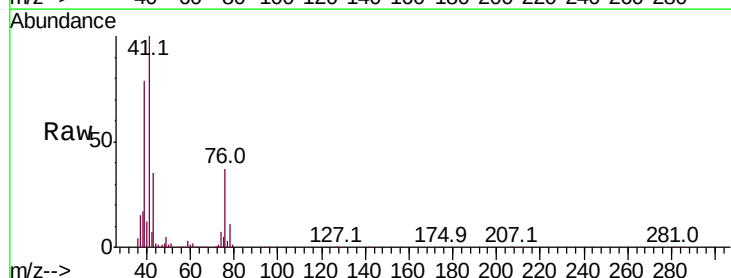
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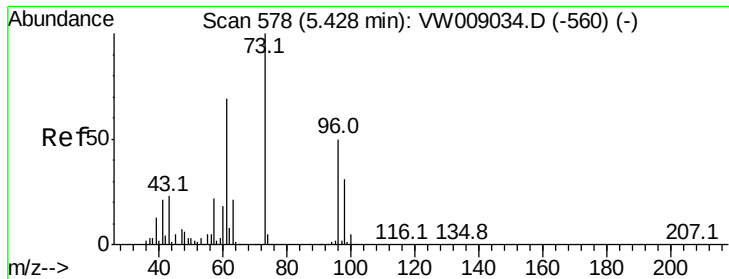
MMDadoda
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#18
Methyl Acetate
Concen: 41.611 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW009121.D
Acq: 12 Mar 2019 11:30

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.2	17.6	26.4





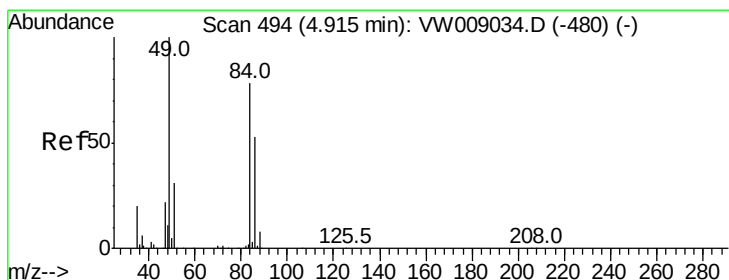
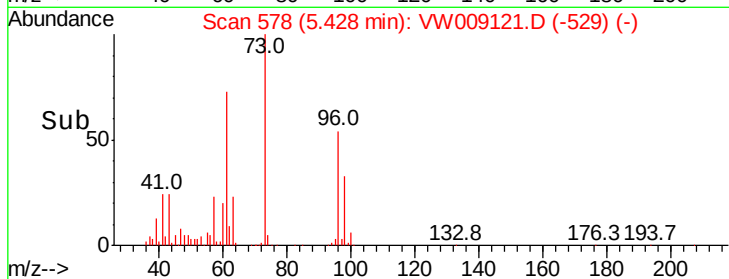
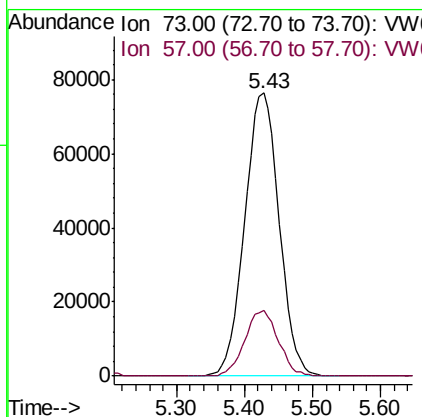
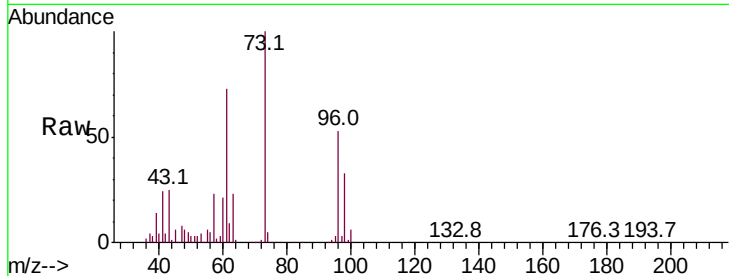
#19
Methyl tert-butyl Ether
Concen: 40.261 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW009121.D
Acq: 12 Mar 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 269381
Ion Ratio Lower Upper
73 100
57 23.4 17.3 25.9

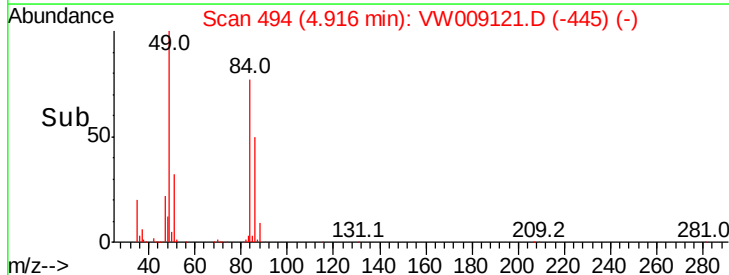
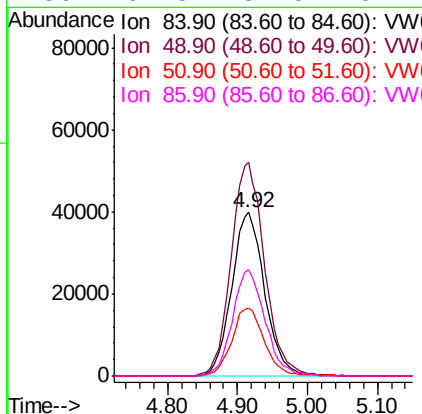
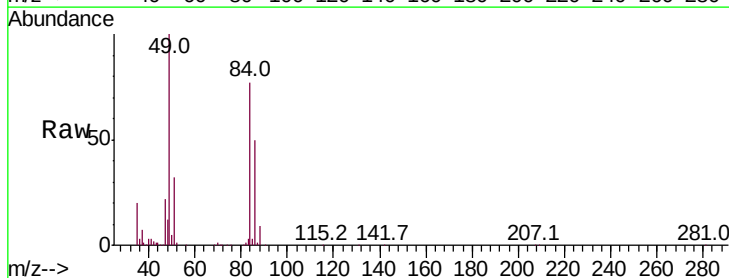
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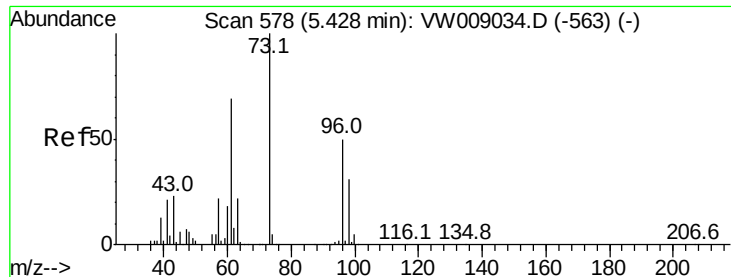
MMDadoda
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#20
Methylene Chloride
Concen: 42.569 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW009121.D
Acq: 12 Mar 2019 11:30

Tgt Ion: 84 Resp: 130373
Ion Ratio Lower Upper
84 100
49 130.4 102.4 153.6
51 41.4 31.6 47.4
86 64.8 54.5 81.7





#21

trans-1,2-Dichloroethene

Concen: 44.077 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW009121.D

Acq: 12 Mar 2019 11:30

Instrument :

MSVOA_W

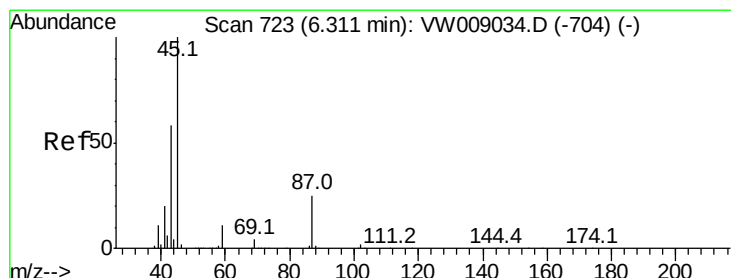
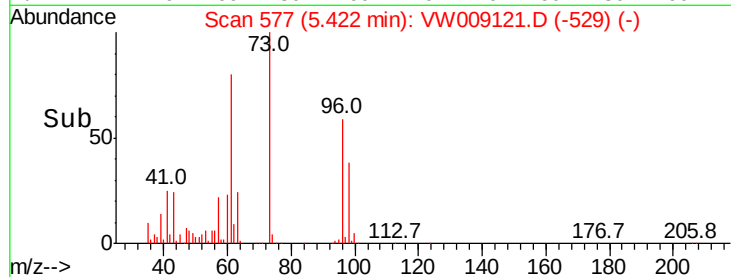
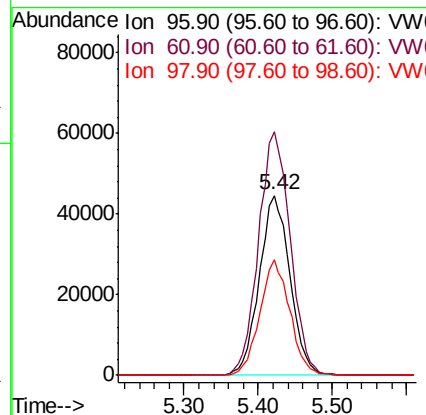
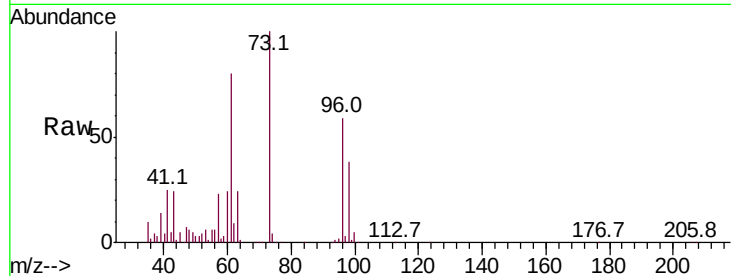
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	128728
Ion	Ratio	Lower	Upper
96	100		
61	135.3	111.0	166.6
98	64.1	49.4	74.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 43.578 ug/l

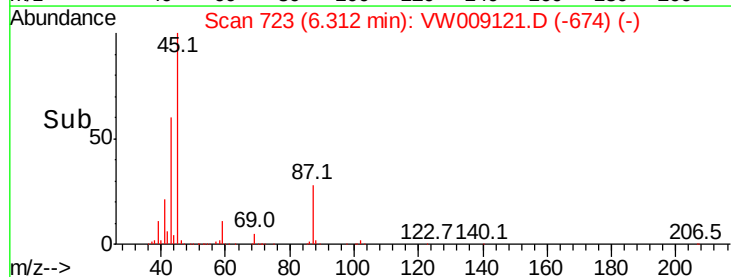
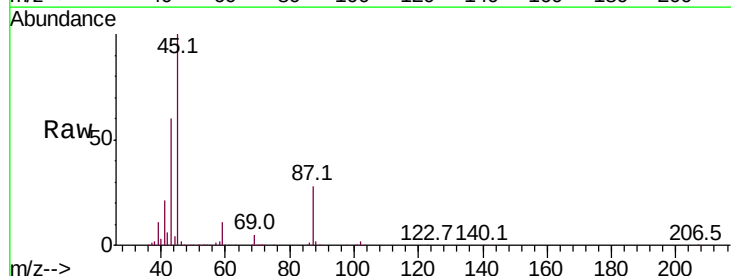
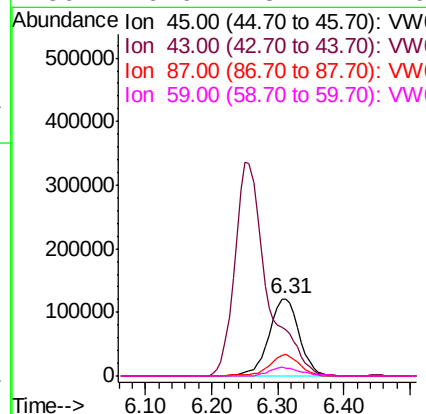
RT: 6.31 min Scan# 723

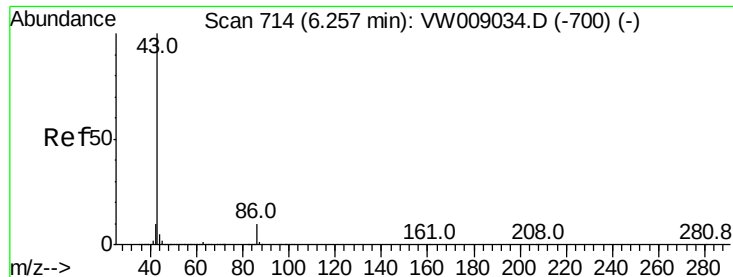
Delta R.T. 0.00 min

Lab File: VW009121.D

Acq: 12 Mar 2019 11:30

Tgt Ion:	45	Resp:	386381
Ion	Ratio	Lower	Upper
45	100		
43	60.3	46.2	69.4
87	27.7	20.1	30.1
59	10.6	8.4	12.6





#23

Vinyl Acetate

Concen: 204.827 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW009121.D

Acq: 12 Mar 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1130124

Ion Ratio Lower Upper

43 100

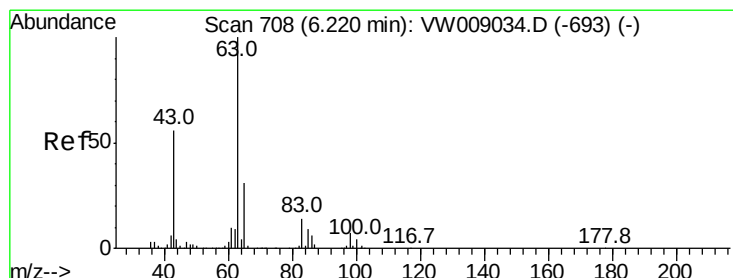
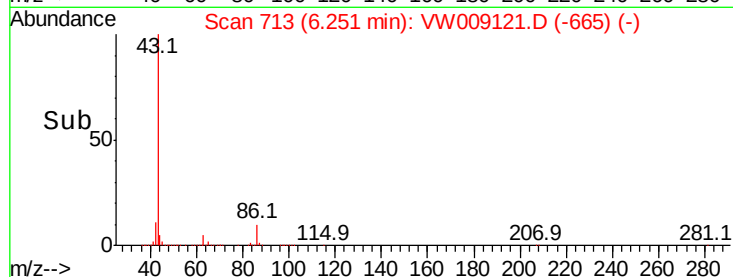
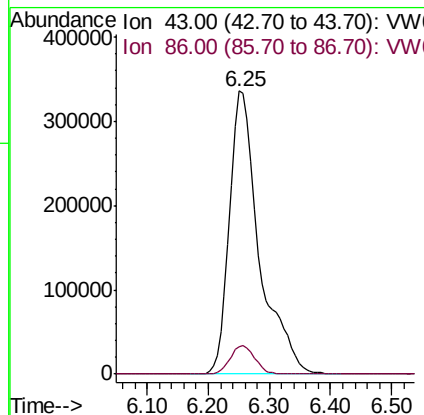
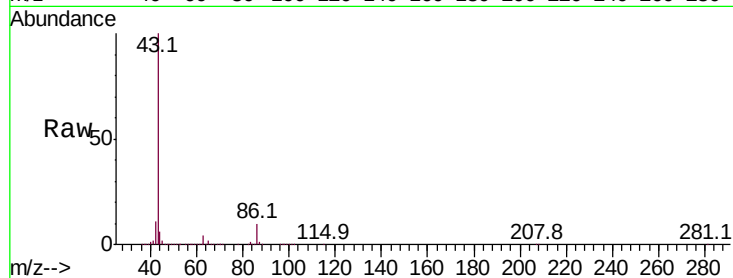
86 9.9 7.6 11.4

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 43.202 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW009121.D

Acq: 12 Mar 2019 11:30

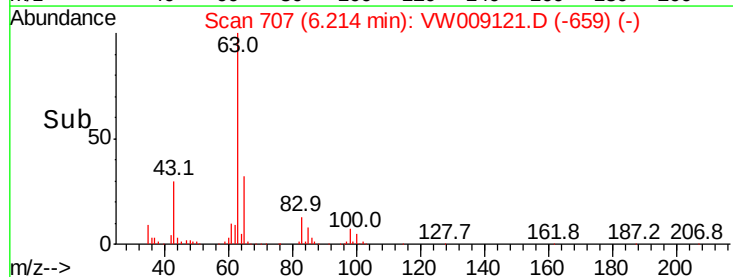
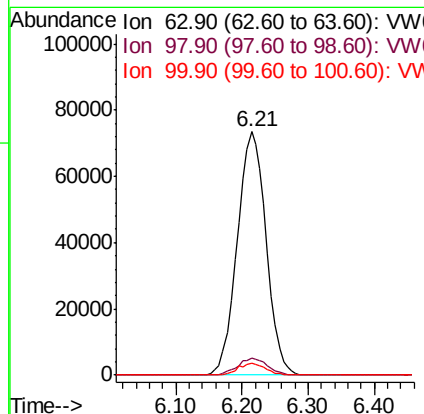
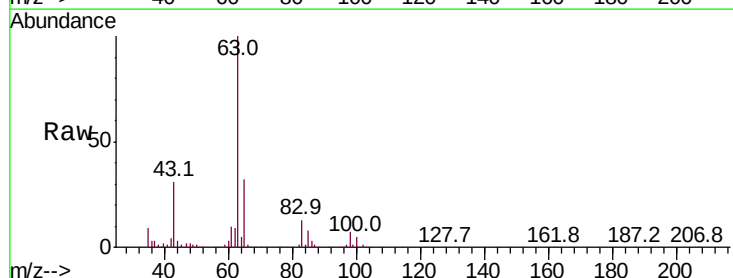
Tgt Ion: 63 Resp: 222176

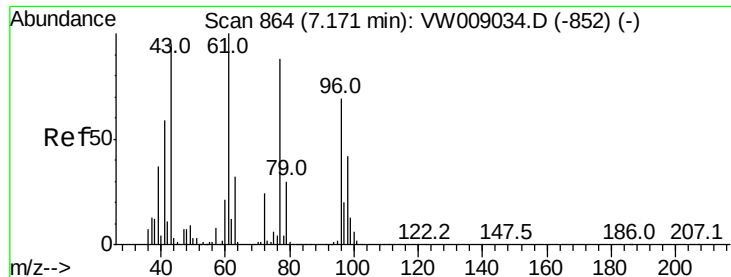
Ion Ratio Lower Upper

63 100

98 7.2 3.4 10.2

100 4.7 2.1 6.2





#25

2-Butanone

Concen: 220.962 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW009121.D

Acq: 12 Mar 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 195118

Ion Ratio Lower Upper

43 100

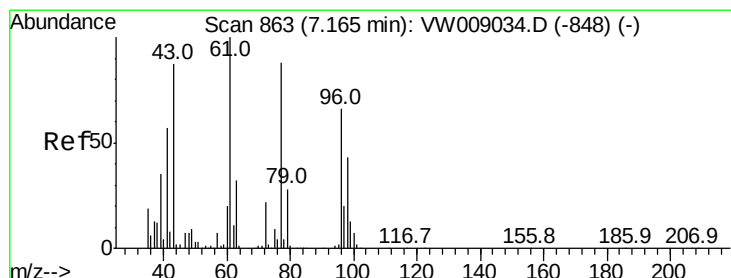
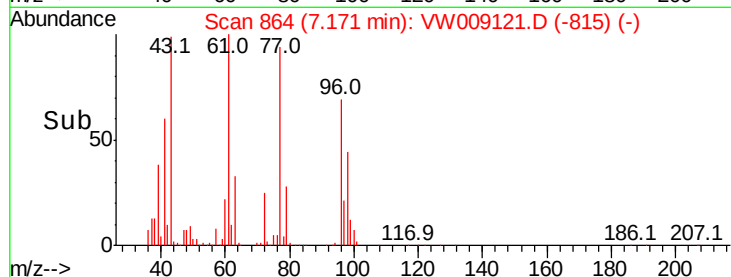
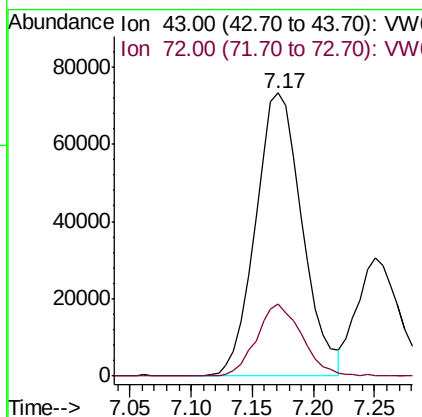
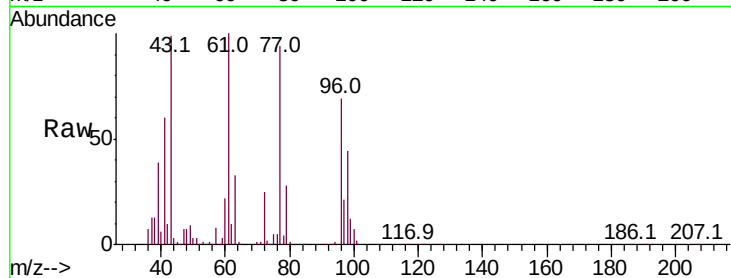
72 25.7 20.0 30.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 45.244 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW009121.D

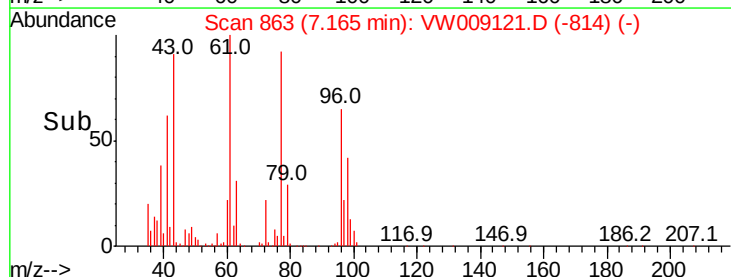
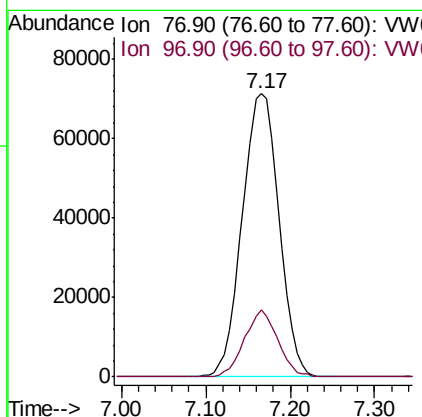
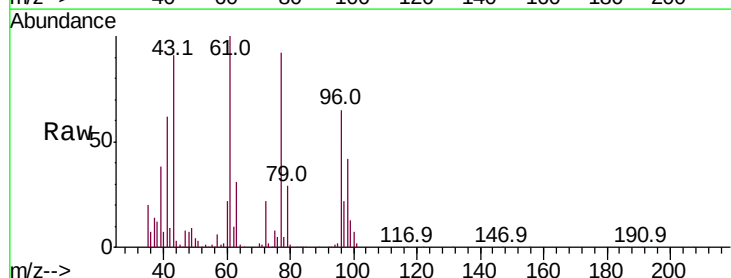
Acq: 12 Mar 2019 11:30

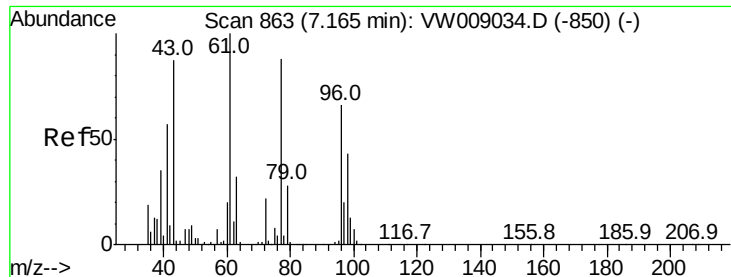
Tgt Ion: 77 Resp: 211495

Ion Ratio Lower Upper

77 100

97 21.4 10.9 32.9





#27

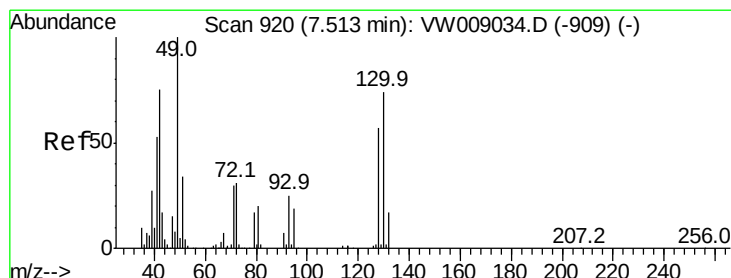
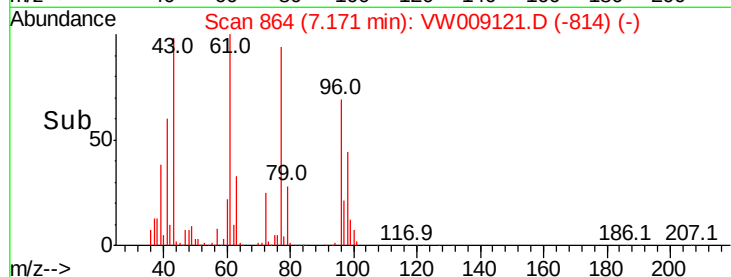
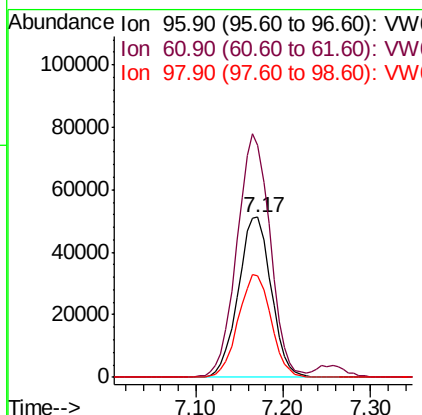
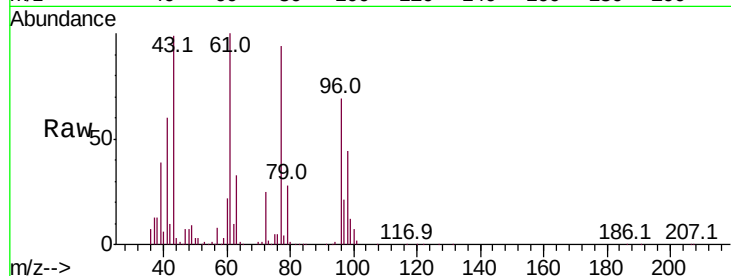
cis-1,2-Dichloroethene
Concen: 42.884 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW009121.D
Acq: 12 Mar 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	152.7	0.0	299.8	
98	63.6	0.0	127.2	

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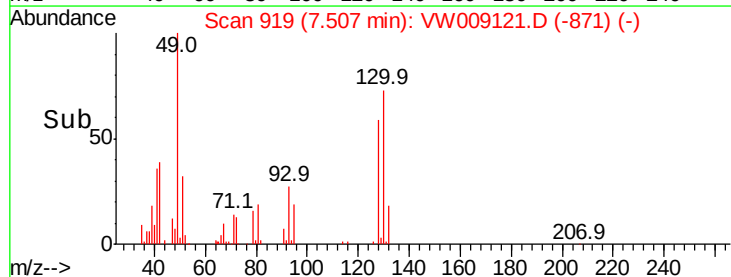
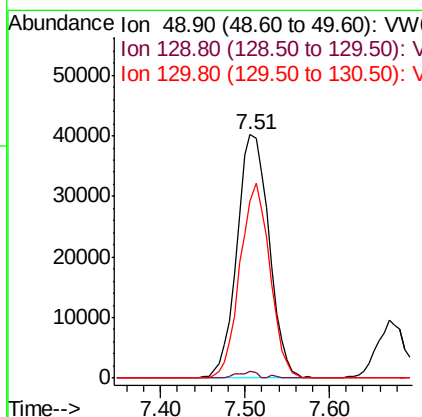
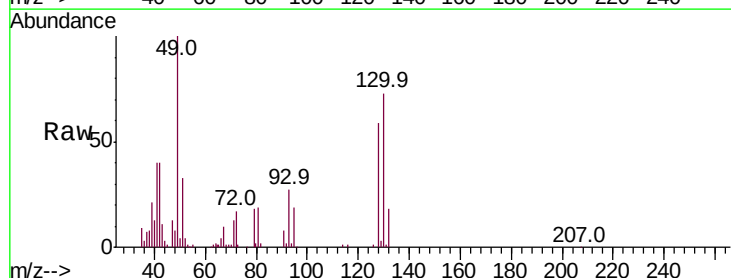
MMDadoda
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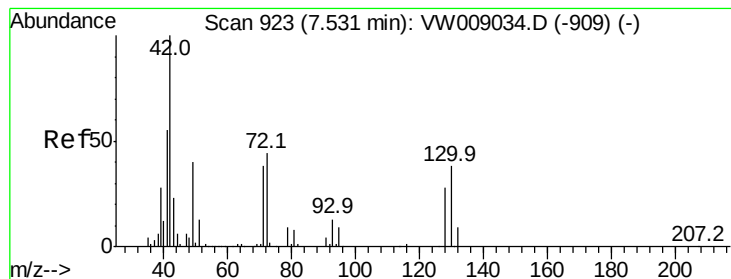


#28

Bromochloromethane
Concen: 48.452 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW009121.D
Acq: 12 Mar 2019 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.6	0.0	4.6	
130	74.4	60.4	90.6	





#29

Tetrahydrofuran

Concen: 193.898 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.00 min

Lab File: VW009121.D

Acq: 12 Mar 2019 11:30

Instrument :

MSVOA_W

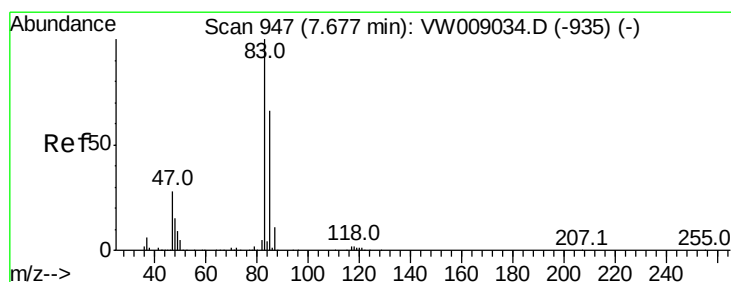
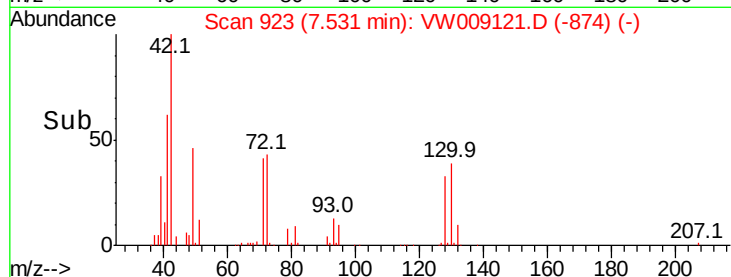
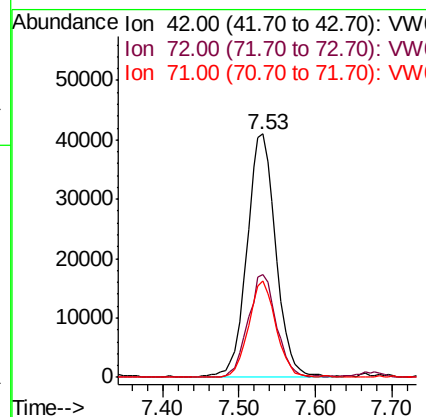
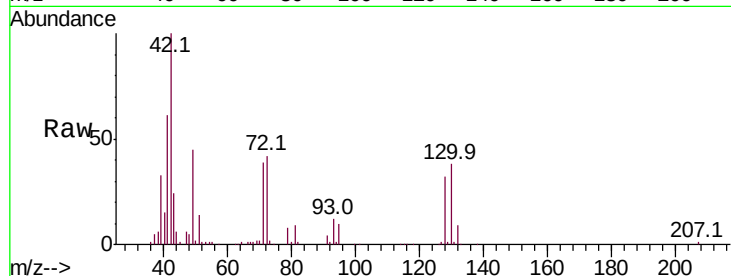
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	107898
Ion Ratio	Lower	Upper	
42	100		
72	41.7	32.2	48.4
71	37.3	30.7	46.1

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#30

Chloroform

Concen: 43.240 ug/l

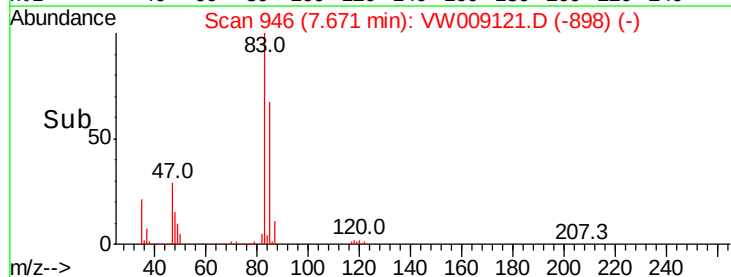
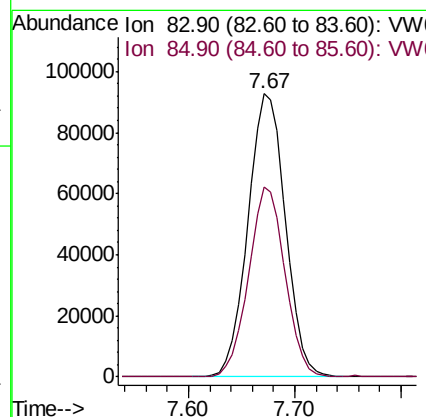
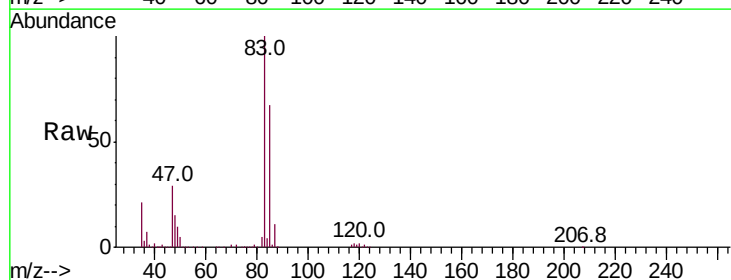
RT: 7.67 min Scan# 946

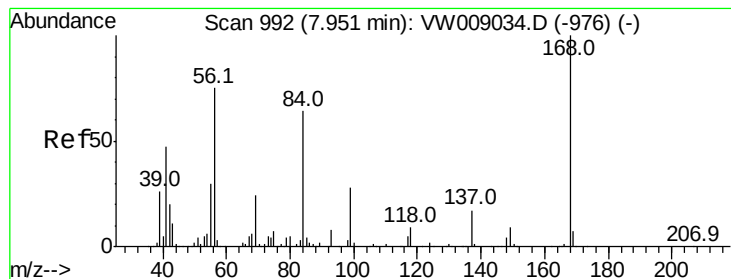
Delta R.T. -0.01 min

Lab File: VW009121.D

Acq: 12 Mar 2019 11:30

Tgt Ion:	83	Resp:	228937
Ion Ratio	Lower	Upper	
83	100		
85	66.9	53.0	79.6





#31

Cyclohexane

Concen: 41.772 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW009121.D

Acq: 12 Mar 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 220574

Ion Ratio Lower Upper

56 100

69 34.9 25.5 38.3

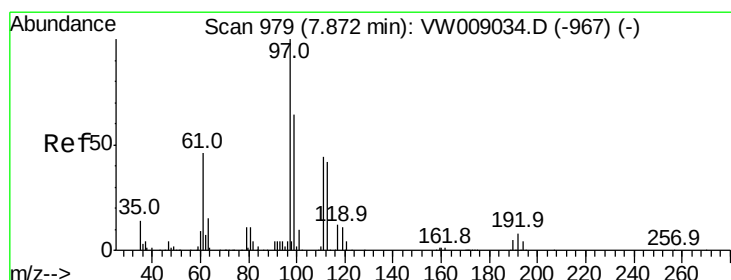
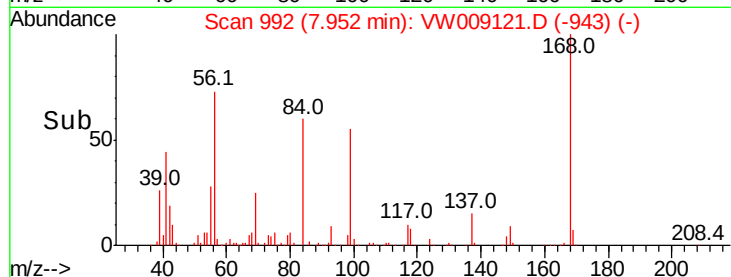
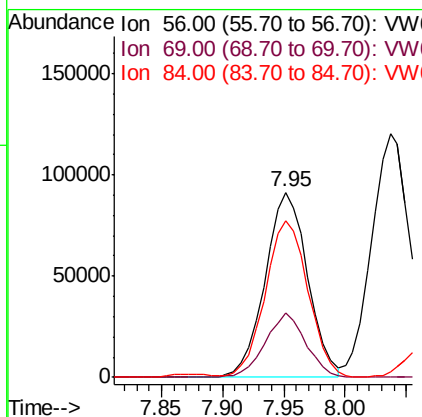
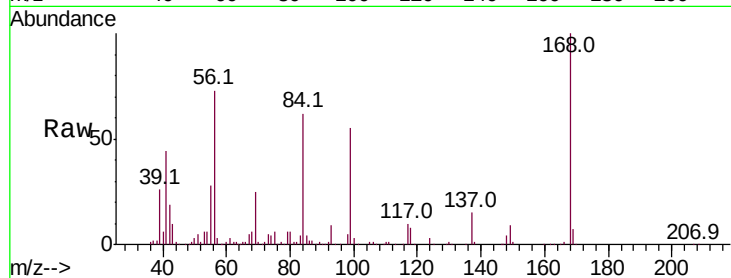
84 82.4 68.6 103.0

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 43.982 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW009121.D

Acq: 12 Mar 2019 11:30

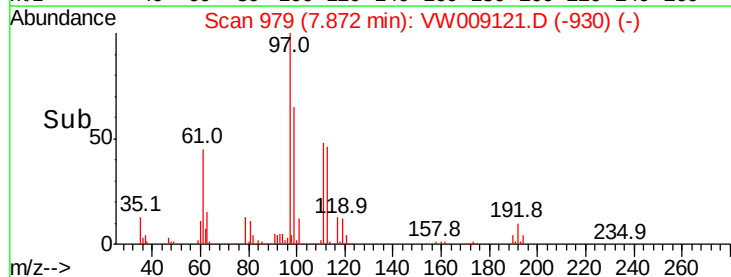
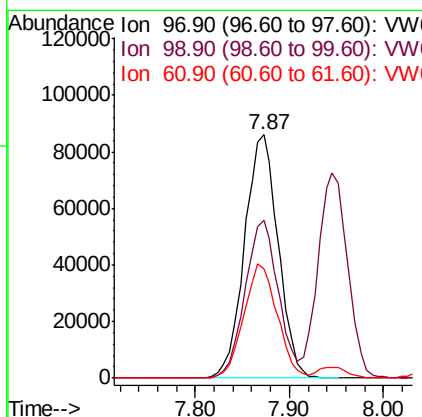
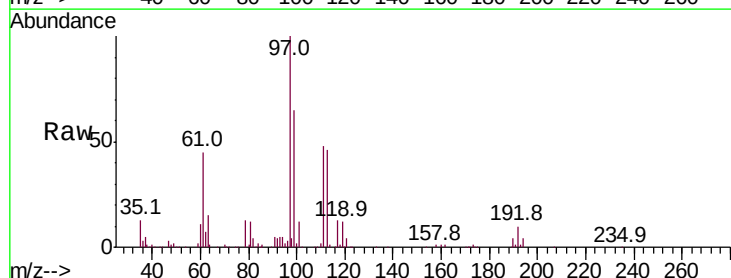
Tgt Ion: 97 Resp: 214904

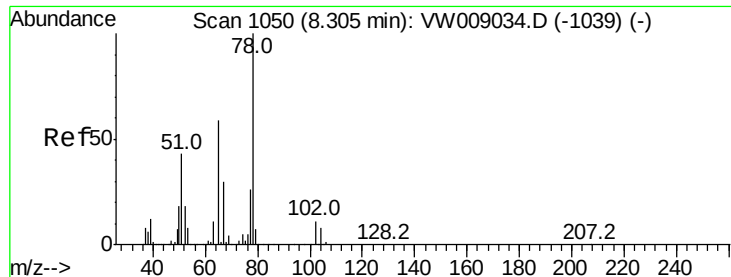
Ion Ratio Lower Upper

97 100

99 64.3 51.8 77.8

61 47.0 37.3 55.9





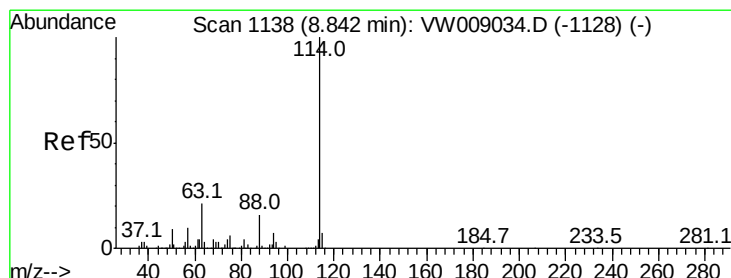
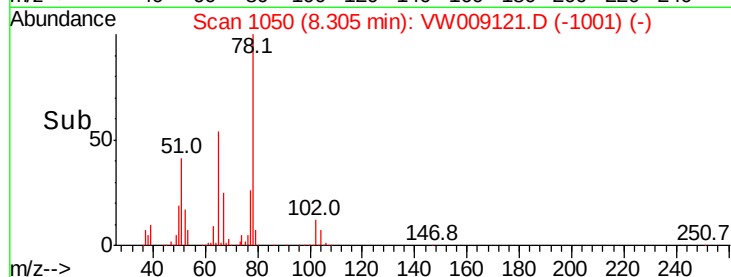
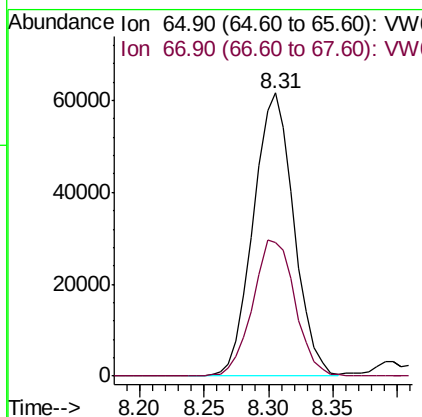
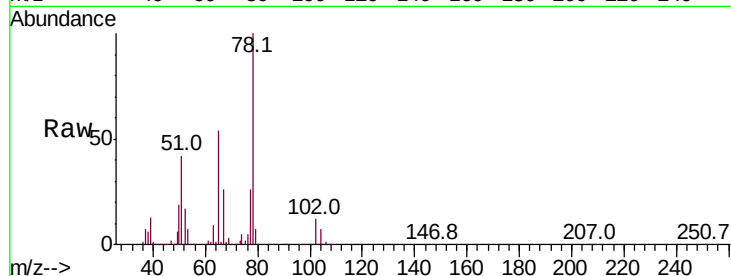
#33
 1,2-Dichloroethane-d4
 Concen: 47.354 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW009121.D
 Acq: 12 Mar 2019 11:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	134082		
67	50.4	0.0	103.0	

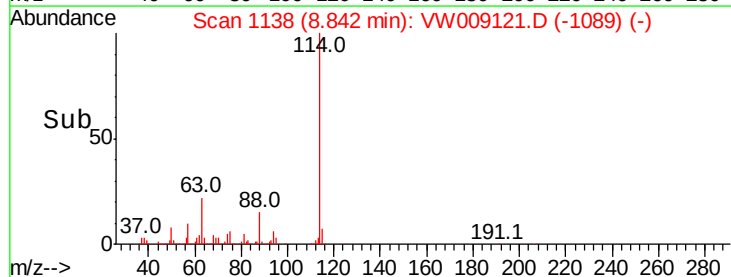
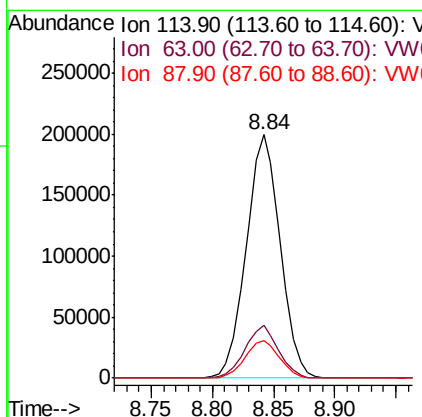
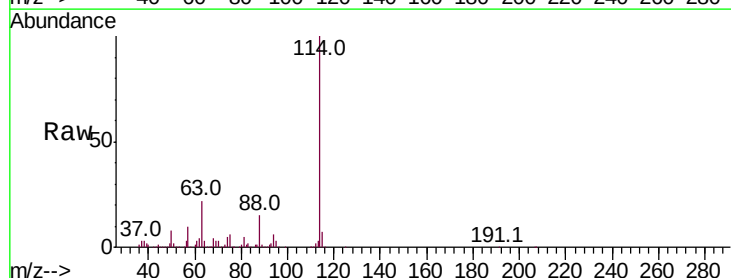
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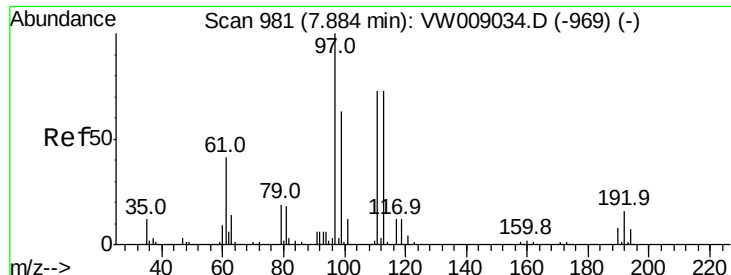
MMDadoda
 3/14/2019 3:12:12 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW009121.D
 Acq: 12 Mar 2019 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	384394		
63	21.5	0.0	41.2	
88	15.4	0.0	31.2	





#35

Dibromofluoromethane

Concen: 51.135 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW009121.D

Acq: 12 Mar 2019 11:30

Instrument :

MSVOA_W

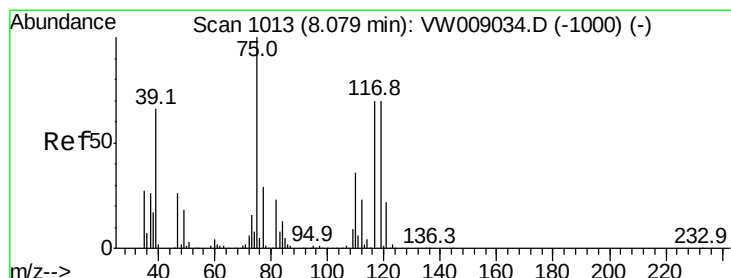
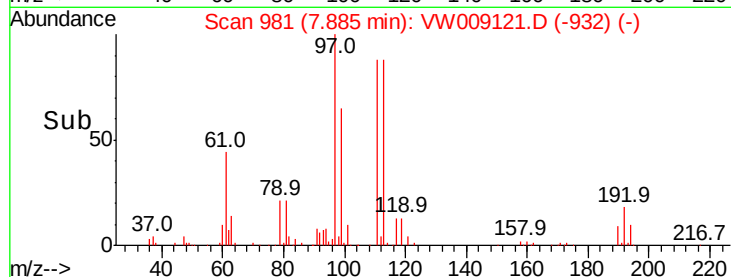
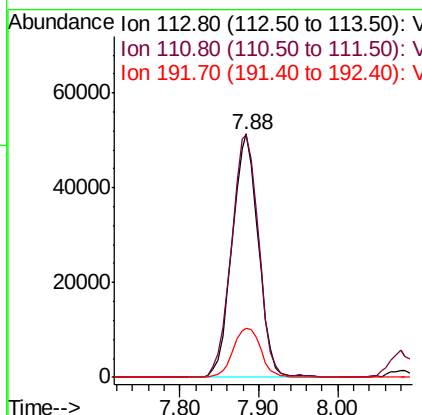
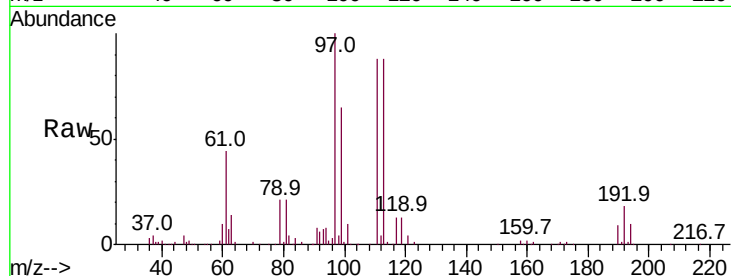
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	118346
Ion Ratio	Lower	Upper	
113	100		
111	103.4	81.0	121.4
192	21.3	17.1	25.7

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#36

1,1-Dichloropropene

Concen: 46.819 ug/l

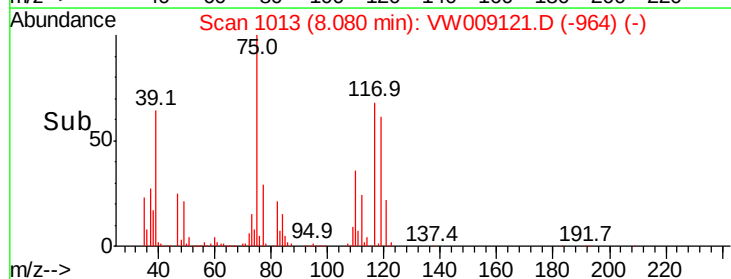
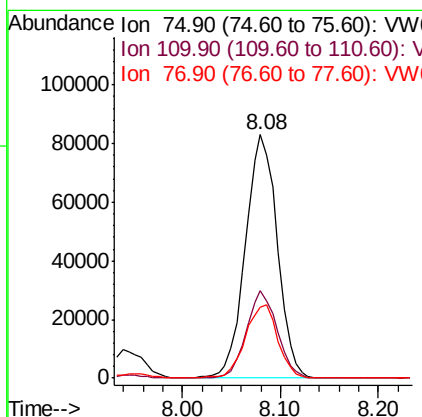
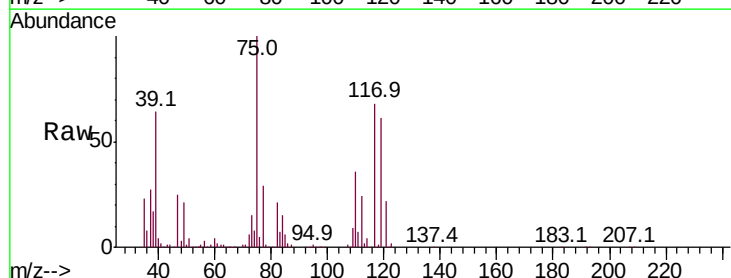
RT: 8.08 min Scan# 1013

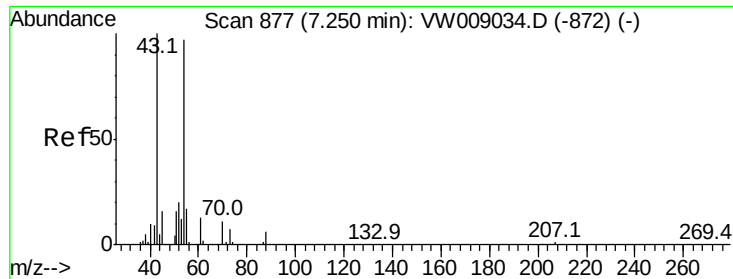
Delta R.T. 0.00 min

Lab File: VW009121.D

Acq: 12 Mar 2019 11:30

Tgt Ion:	75	Resp:	188177
Ion Ratio	Lower	Upper	
75	100		
110	34.3	17.6	52.9
77	30.5	25.1	37.7





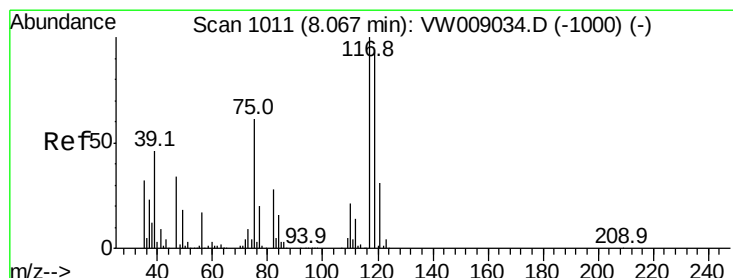
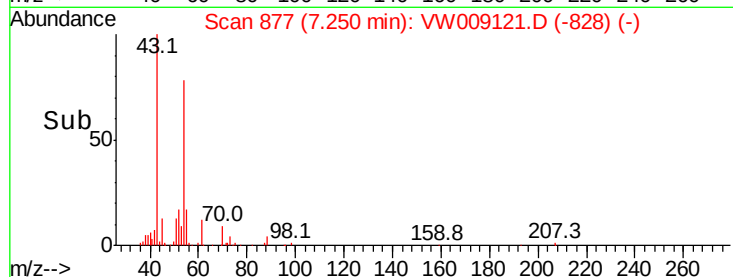
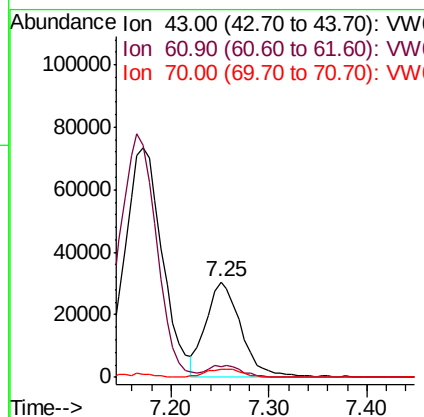
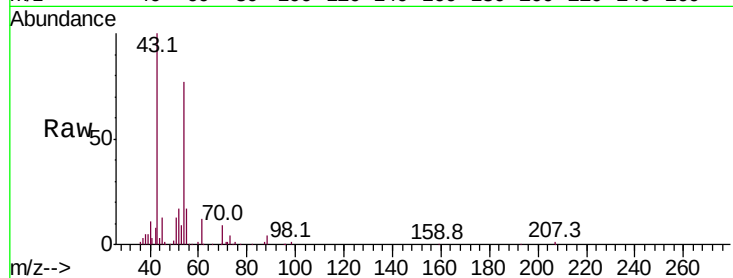
#37
Ethyl Acetate
Concen: 39.998 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW009121.D
Acq: 12 Mar 2019 11:30

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.0	9.8	14.6
70	9.4	7.2	10.8

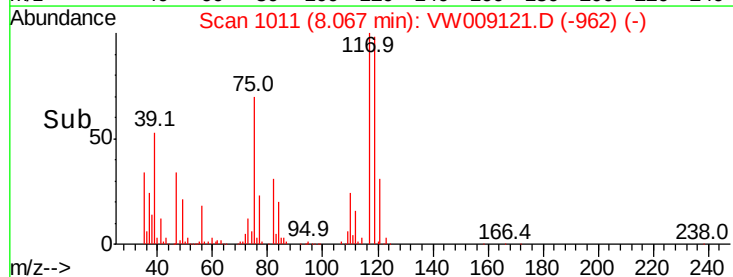
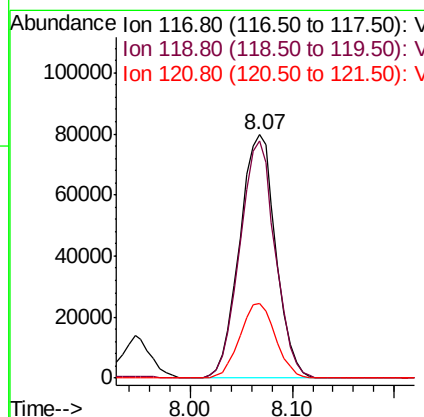
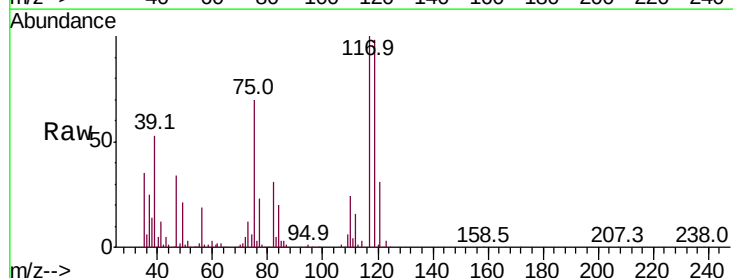
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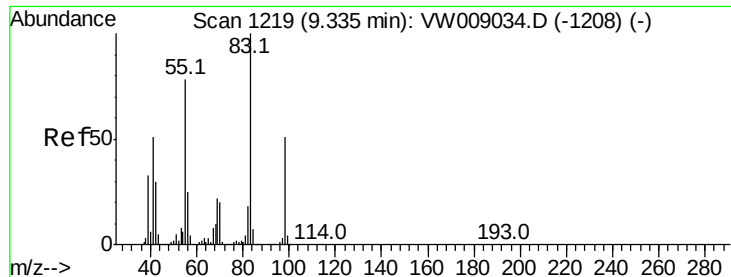
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#38
Carbon Tetrachloride
Concen: 47.235 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW009121.D
Acq: 12 Mar 2019 11:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.6	74.6	112.0
121	30.6	24.7	37.1





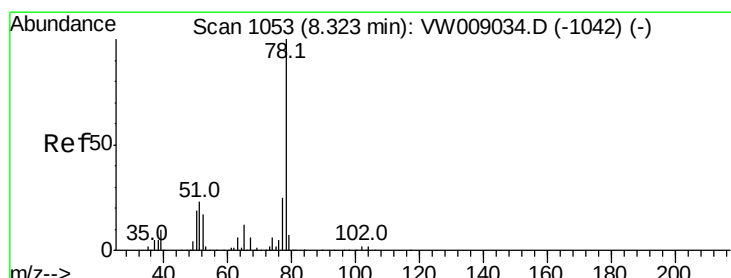
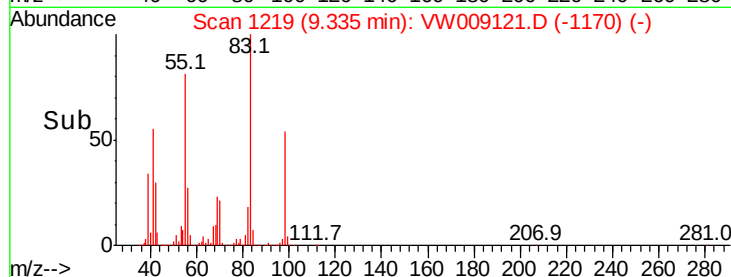
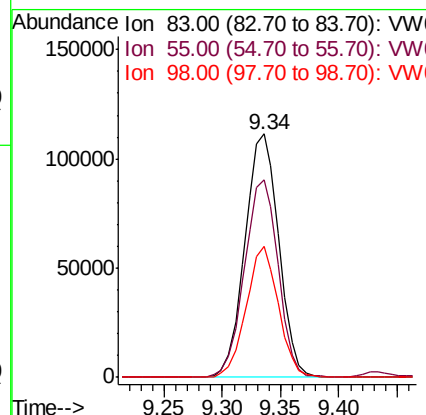
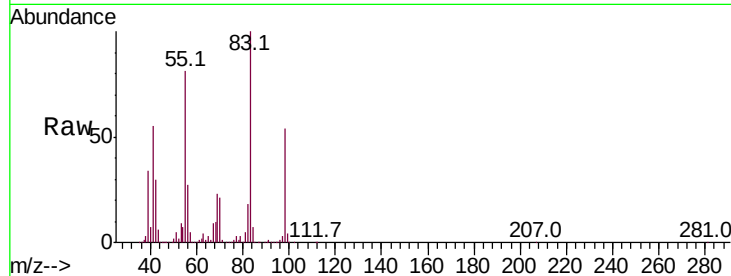
#39
Methylvlcyclohexane
Concen: 47.128 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW009121.D
Acq: 12 Mar 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.3	62.7	94.1
98	53.7	40.8	61.2

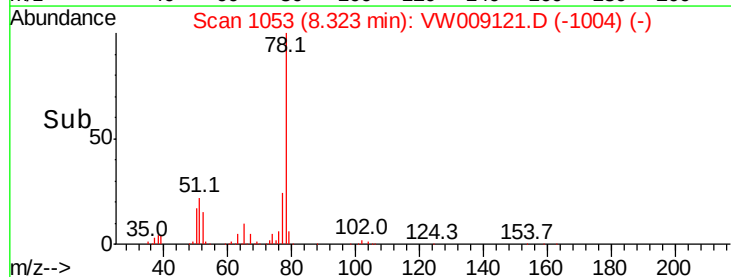
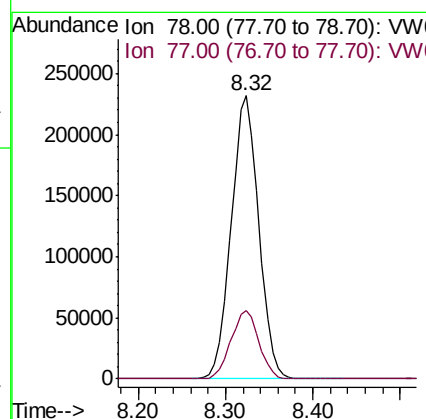
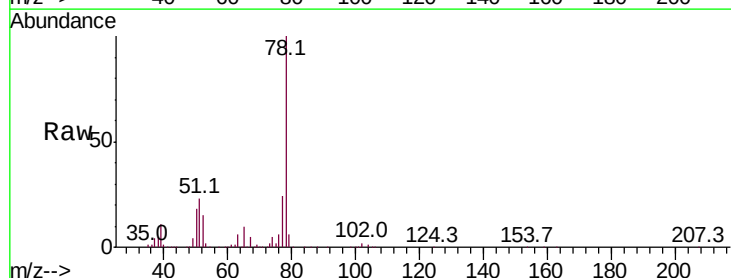
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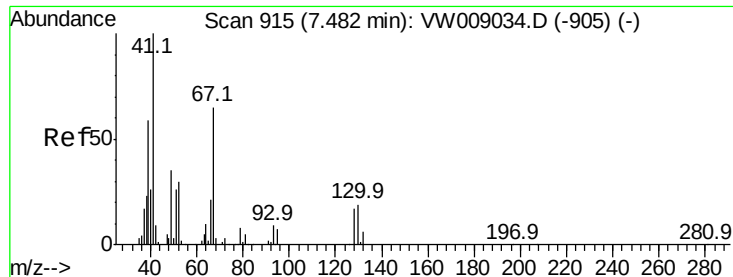
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#40
Benzene
Concen: 47.099 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW009121.D
Acq: 12 Mar 2019 11:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	20.2	30.4





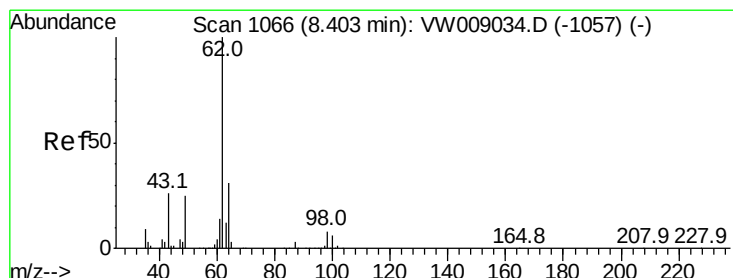
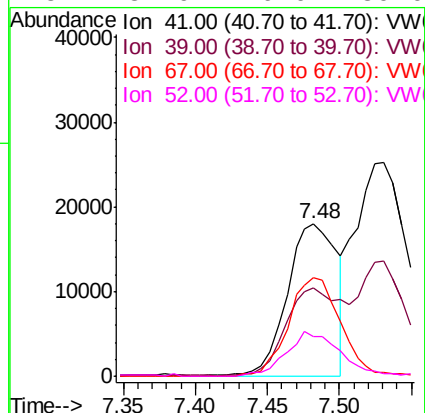
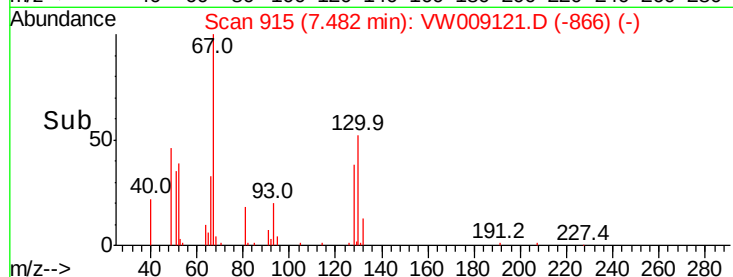
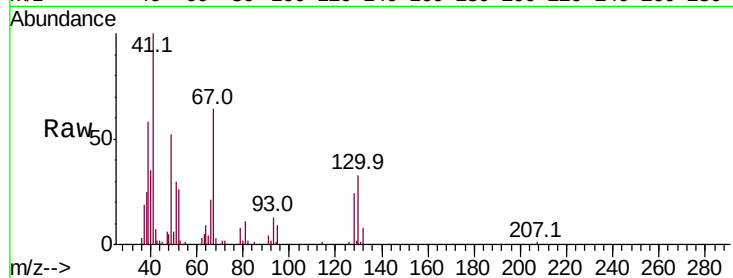
#41
Methacrylonitrile
Concen: 41.085 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW009121.D
Acq: 12 Mar 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	67.3	53.6	80.4
67	68.4	57.6	86.4
52	31.9	26.0	39.0

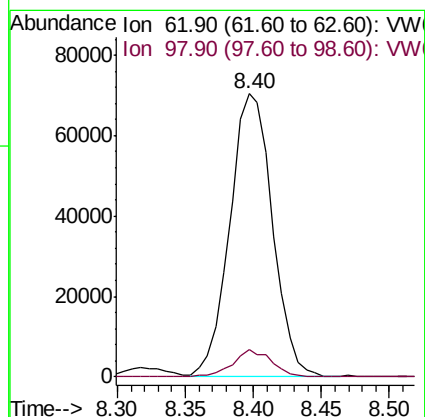
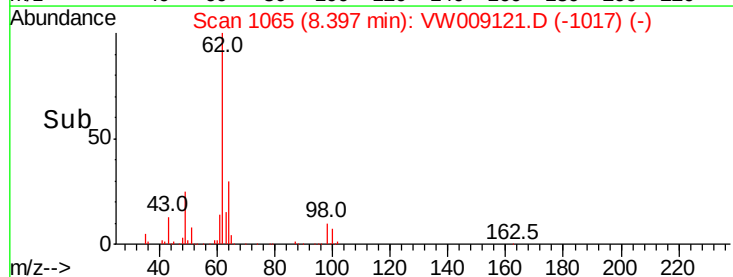
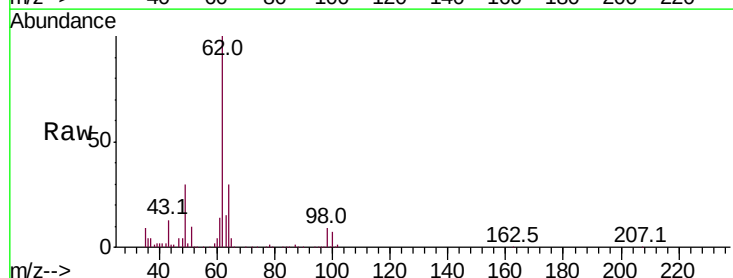
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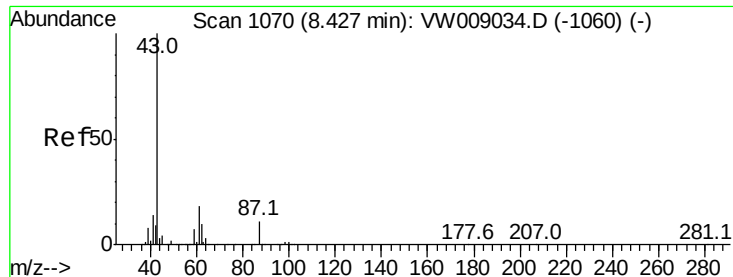
MMDadoda
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#42
1,2-Dichloroethane
Concen: 44.180 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW009121.D
Acq: 12 Mar 2019 11:30

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.6





#43

Isopropyl Acetate

Concen: 42.186 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW009121.D

Acq: 12 Mar 2019 11:30

Instrument :

MSVOA_W

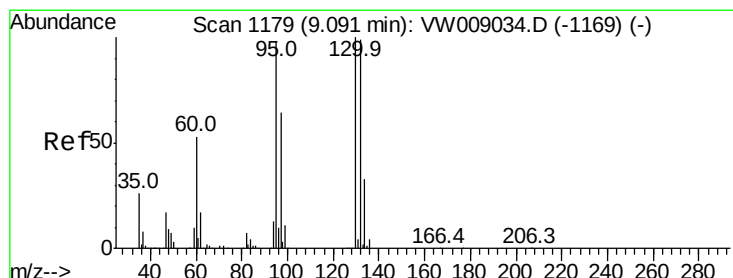
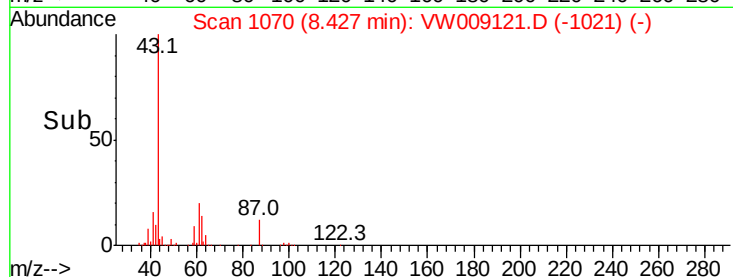
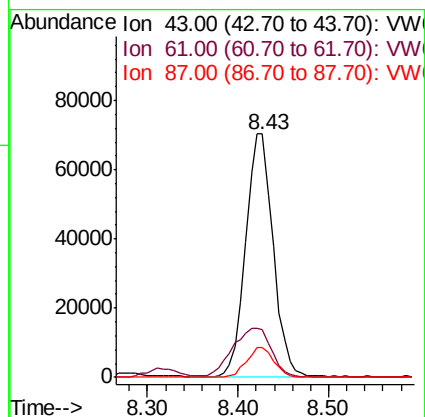
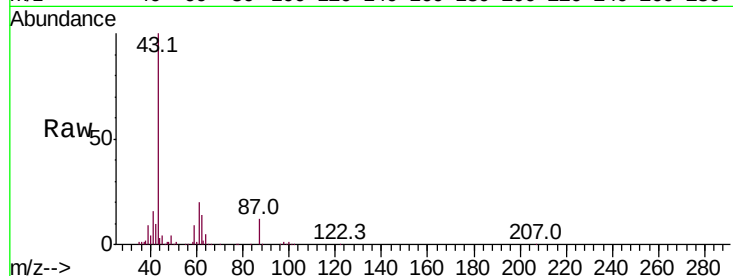
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	148334
Ion	Ratio	Lower	Upper
43	100		
61	28.8	22.8	34.2
87	12.1	9.4	14.2

Manual Integrations
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3/14/2019 3:12:12 PM



#44

Trichloroethene

Concen: 45.551 ug/l

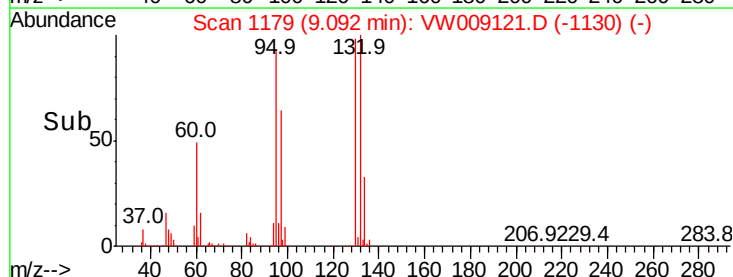
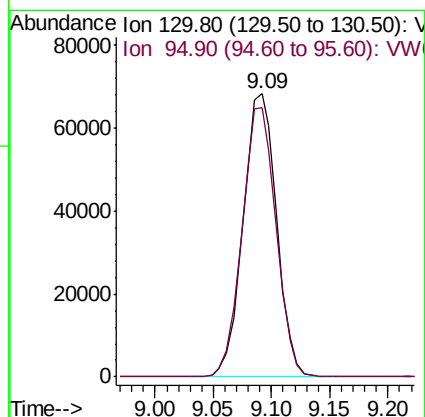
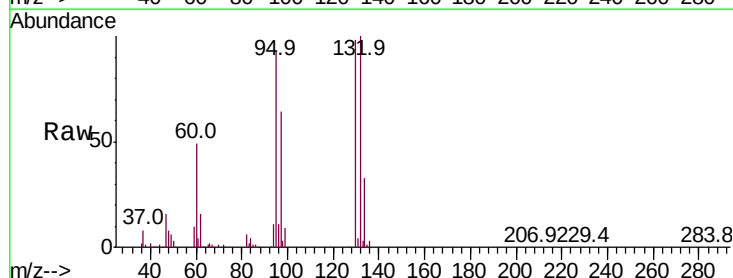
RT: 9.09 min Scan# 1179

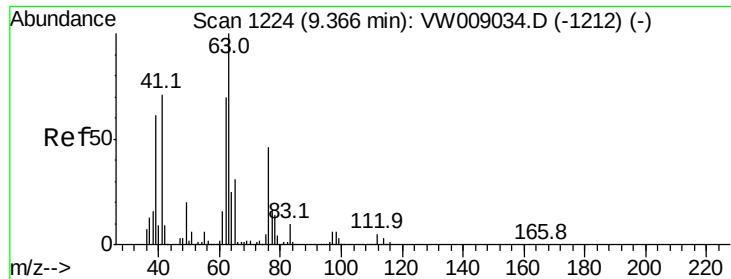
Delta R.T. 0.00 min

Lab File: VW009121.D

Acq: 12 Mar 2019 11:30

Tgt Ion:	130	Resp:	136978
Ion	Ratio	Lower	Upper
130	100		
95	95.1	0.0	197.0





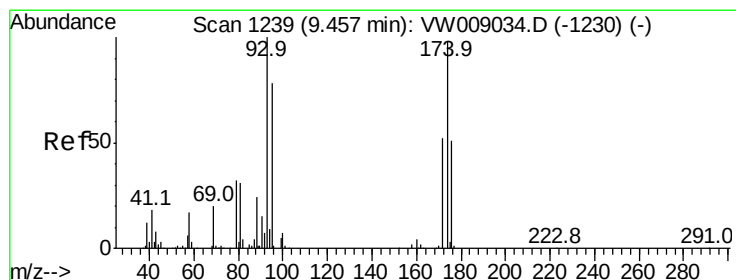
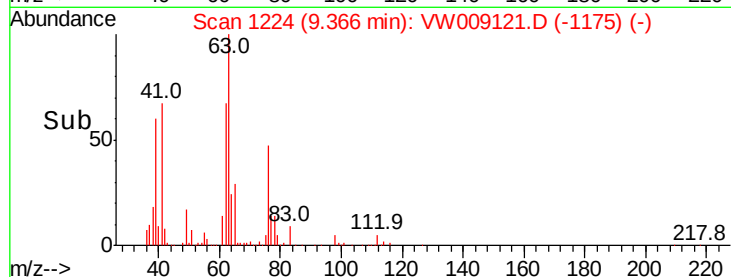
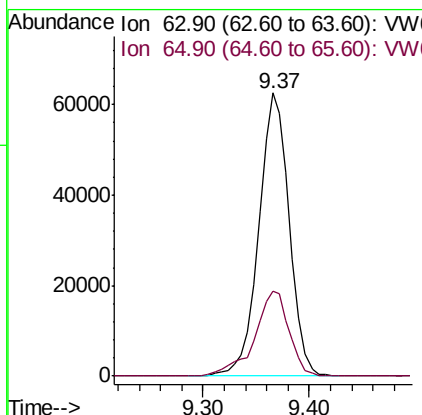
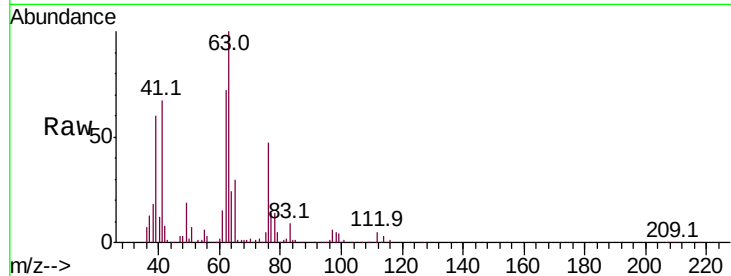
#45
 1,2-Dichloropropane
 Concen: 46.388 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW009121.D
 Acq: 12 Mar 2019 11:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.9	24.9	37.3

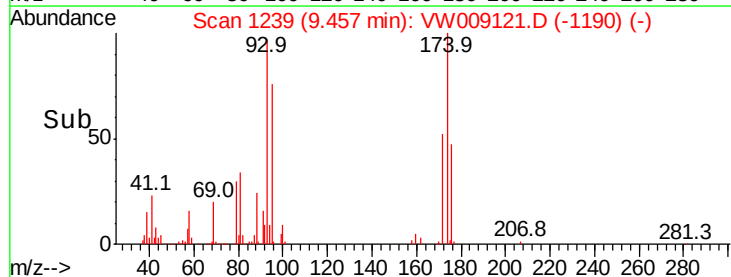
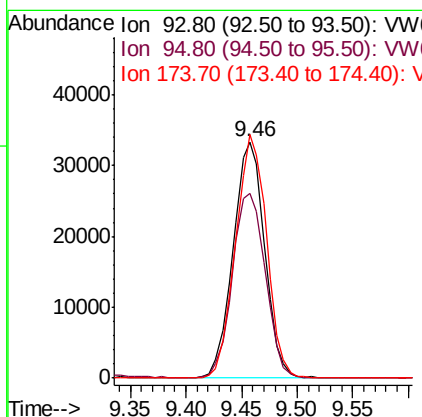
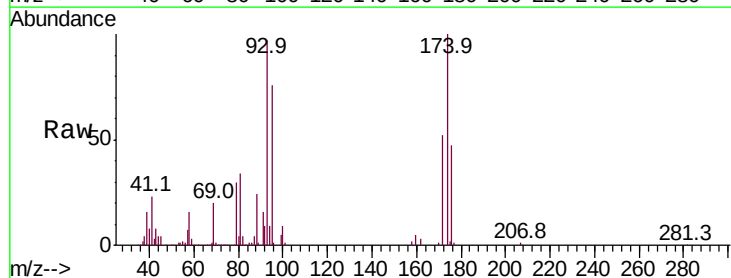
Manual Integrations
 APPROVED

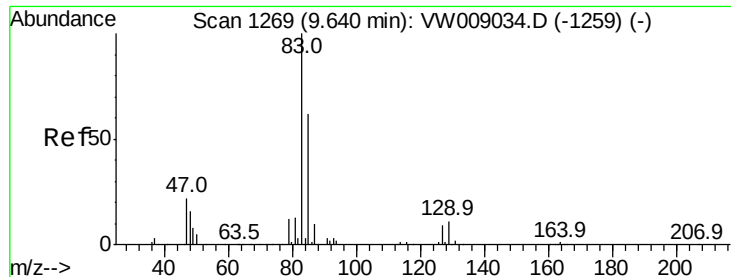
MMDadoda
 3/14/2019 3:12:12 PM



#46
 Dibromomethane
 Concen: 44.520 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW009121.D
 Acq: 12 Mar 2019 11:30

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.0	65.0	97.6
174	101.6	81.8	122.6





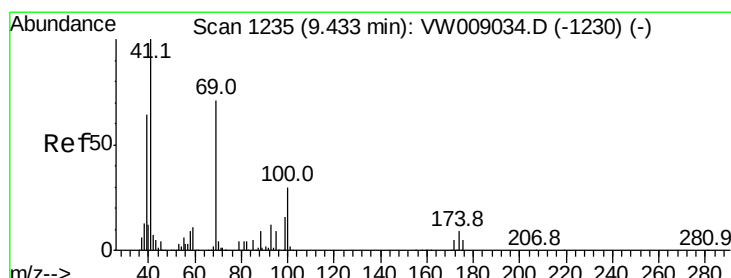
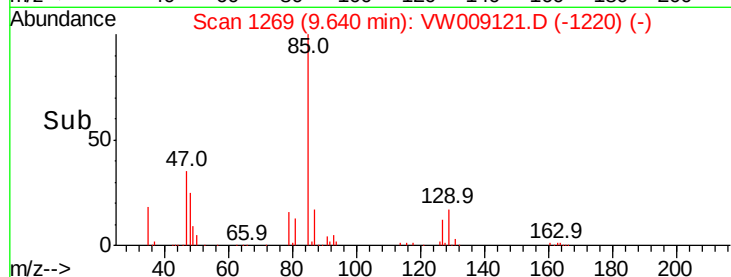
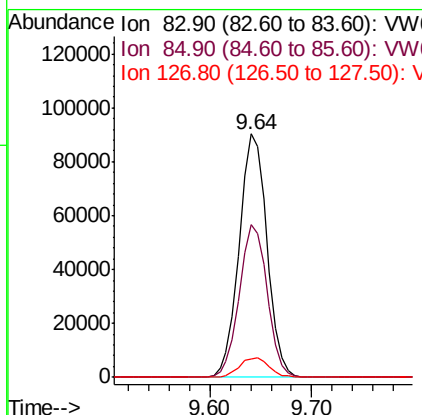
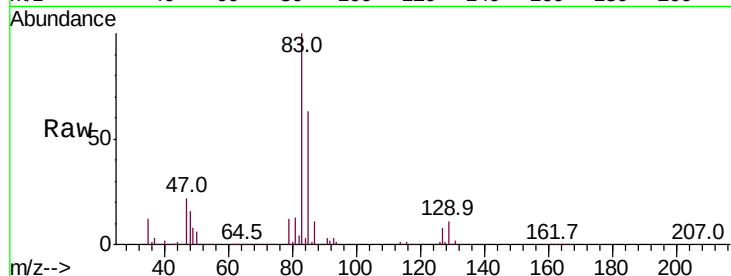
#47
Bromodichloromethane
Concen: 45.878 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW009121.D
Acq: 12 Mar 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	170440		
85	62.7	49.9	74.9	
127	7.8	7.1	10.7	

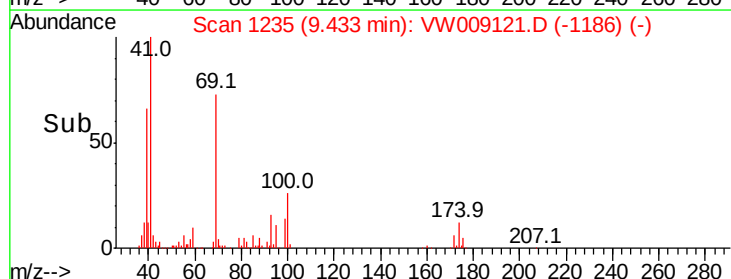
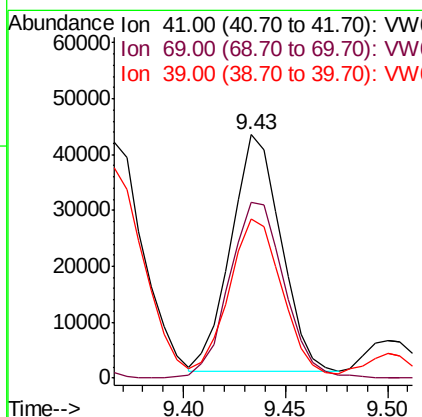
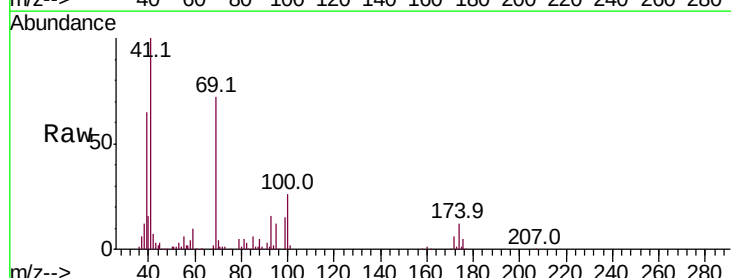
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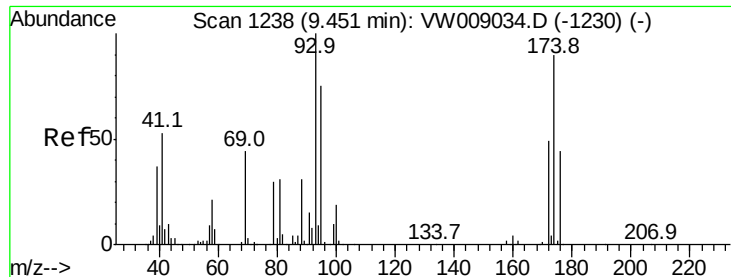
MMDadoda
3/14/2019 3:12:12 PM



#48
Methyl methacrylate
Concen: 44.071 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW009121.D
Acq: 12 Mar 2019 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	72155		
69	82.4	59.1	88.7	
39	67.6	48.9	73.3	





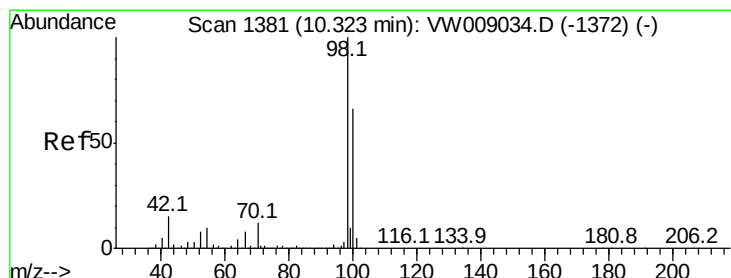
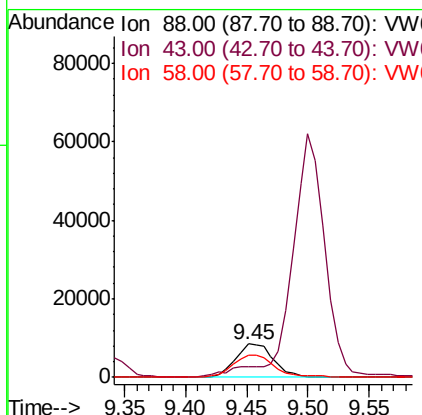
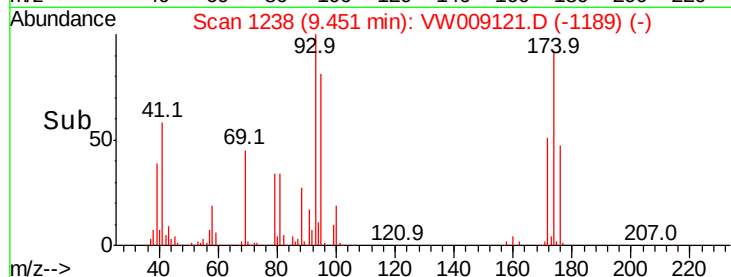
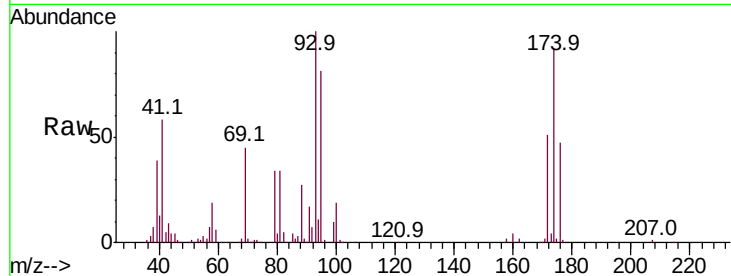
#49
1,4-Dioxane
Concen: 865.879 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.00 min
Lab File: VW009121.D
Acq: 12 Mar 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	29.0	43.4#
58	75.8	59.2	88.8

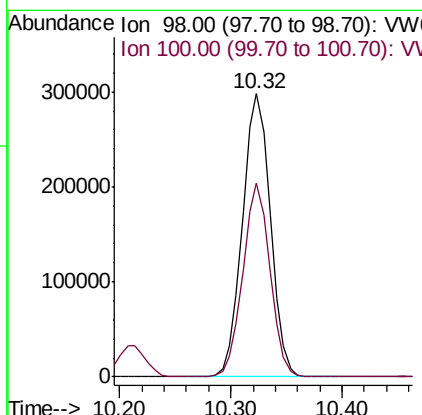
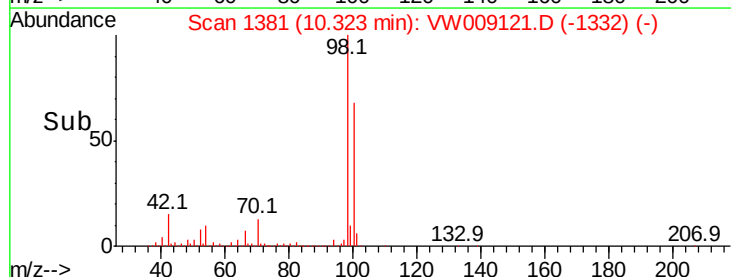
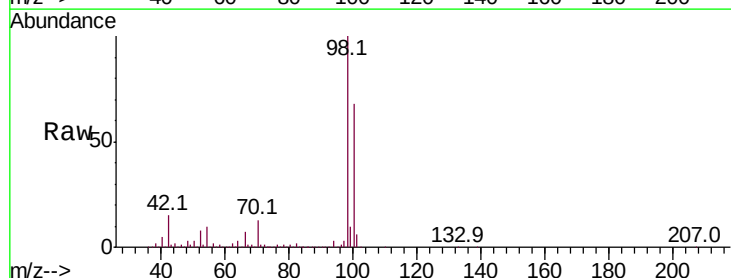
Manual Integrations
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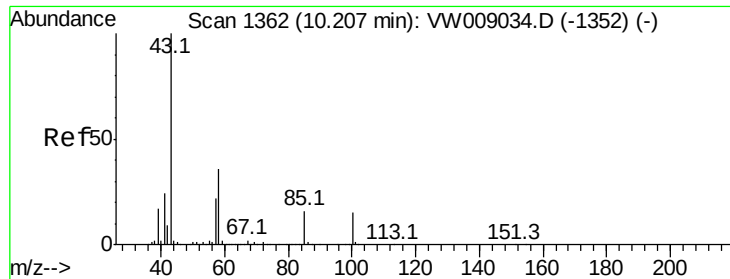
MMDadoda
3/14/2019 3:12:12 PM



#50
Toluene-d8
Concen: 54.683 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW009121.D
Acq: 12 Mar 2019 11:30

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.5	51.9	77.9





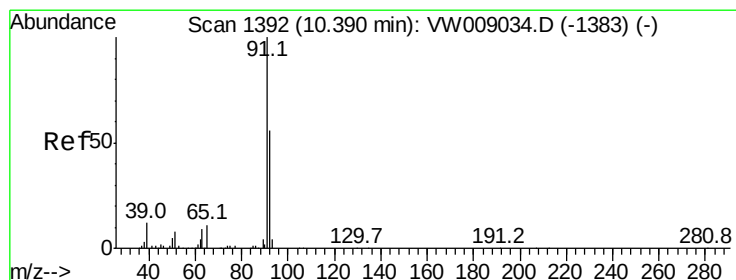
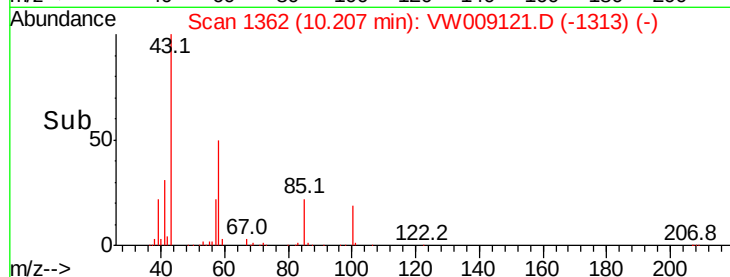
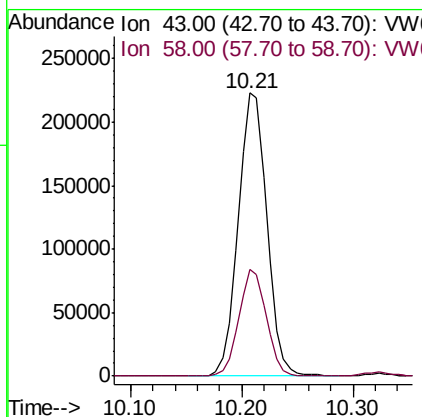
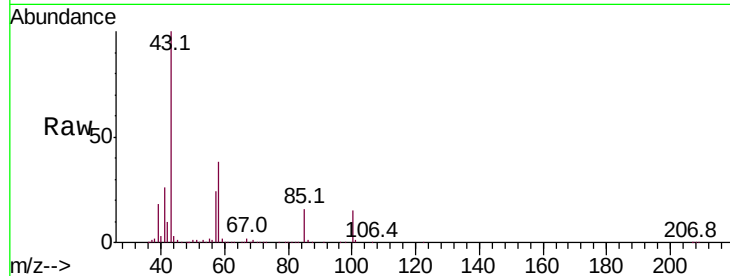
#51
4-Methyl-2-Pentanone
Concen: 221.901 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW009121.D
Acq: 12 Mar 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 396105
Ion Ratio Lower Upper
43 100
58 36.3 28.8 43.2

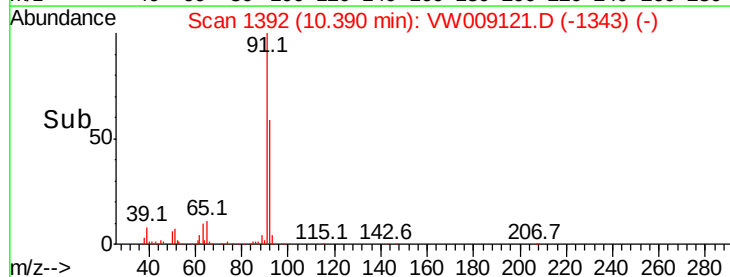
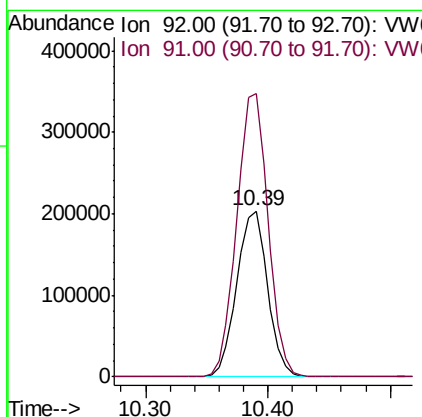
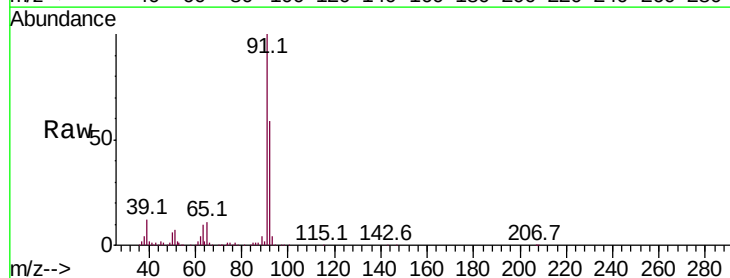
Manual Integrations
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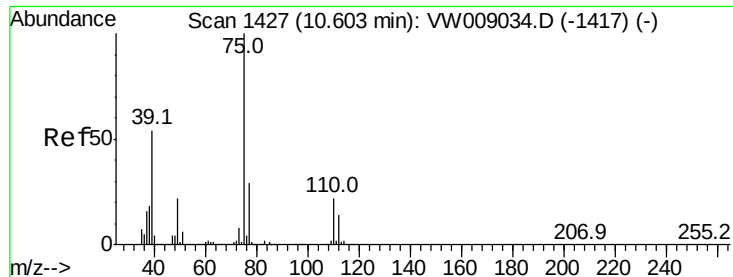
MMDadoda
3/14/2019 3:12:12 PM



#52
Toluene
Concen: 48.785 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW009121.D
Acq: 12 Mar 2019 11:30

Tgt Ion: 92 Resp: 354983
Ion Ratio Lower Upper
92 100
91 173.6 139.9 209.9





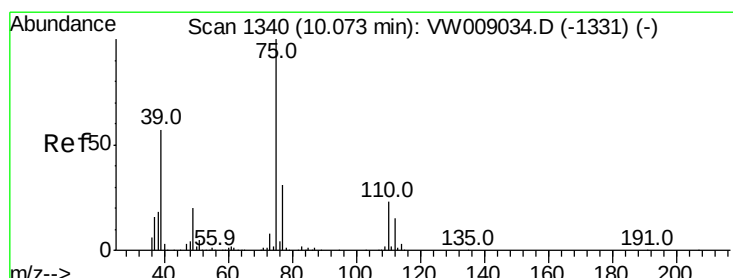
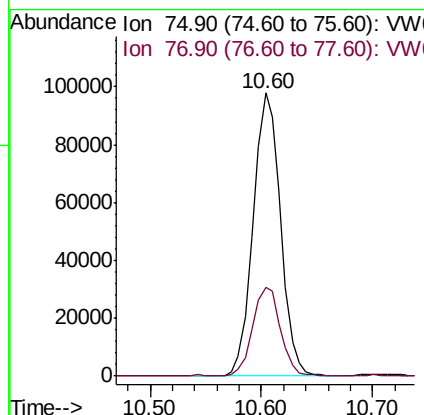
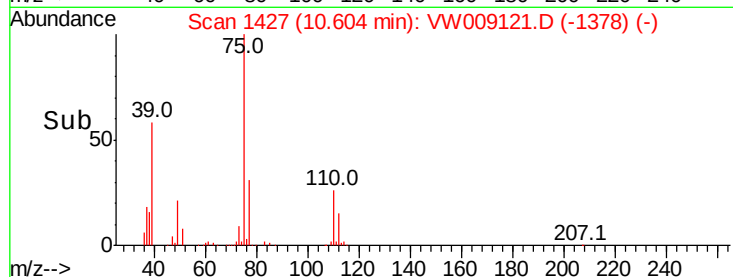
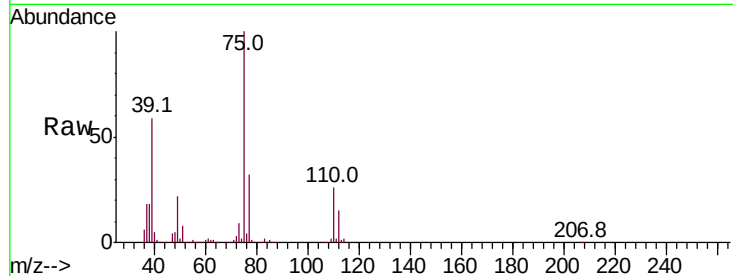
#53
t-1,3-Dichloropropene
Concen: 45.589 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW009121.D
Acq: 12 Mar 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	23.6	35.4

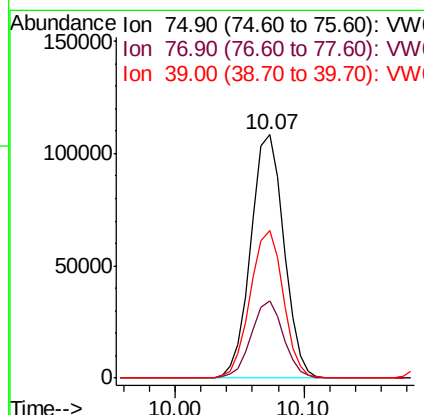
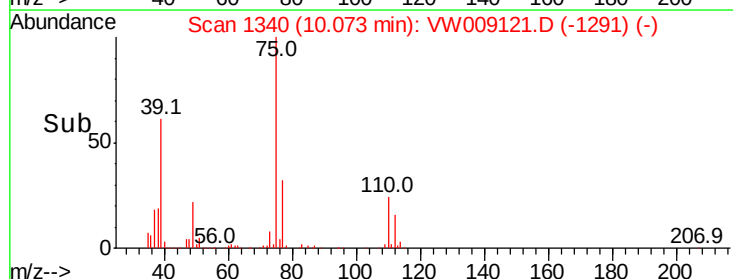
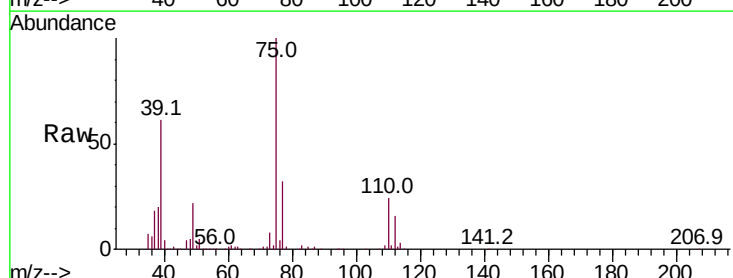
Manual Integrations
APPROVED

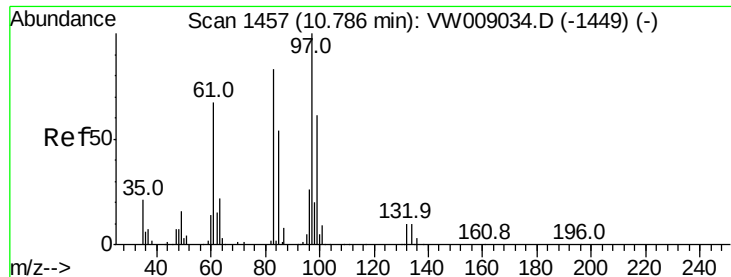
MMDadoda
3/14/2019 3:12:12 PM



#54
cis-1,3-Dichloropropene
Concen: 45.611 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW009121.D
Acq: 12 Mar 2019 11:30

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.6	36.8
39	60.5	45.9	68.9





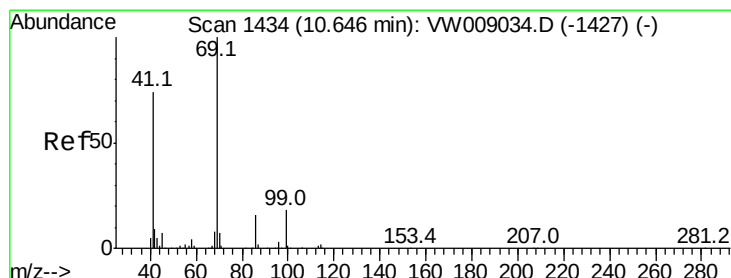
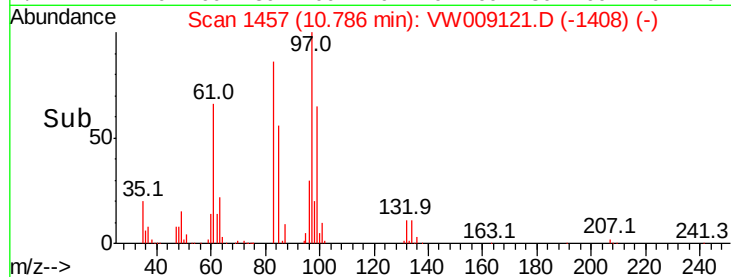
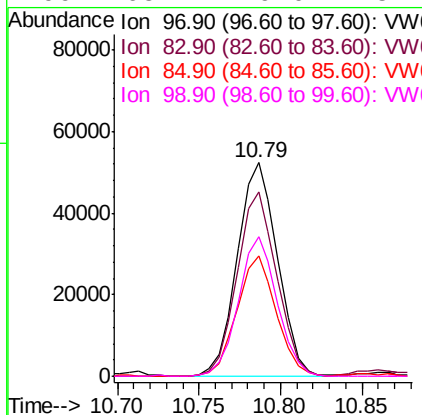
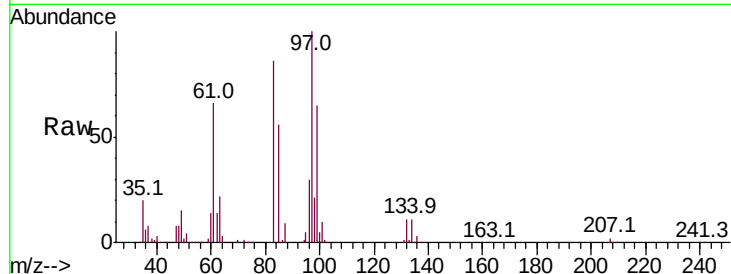
#55
 1,1,2-Trichloroethane
 Concen: 45.166 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW009121.D
 Acq: 12 Mar 2019 11:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	89842
Ion	Ratio	Lower	Upper
97	100		
83	86.3	66.2	99.2
85	56.1	43.6	65.4
99	65.1	49.0	73.4

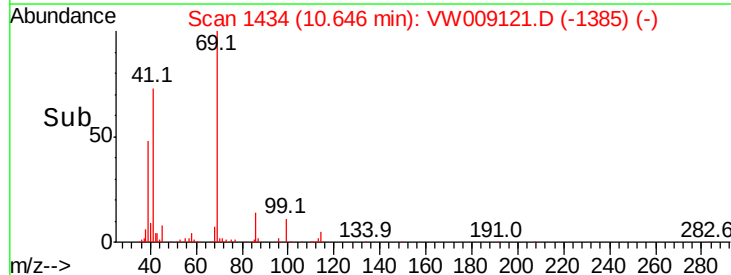
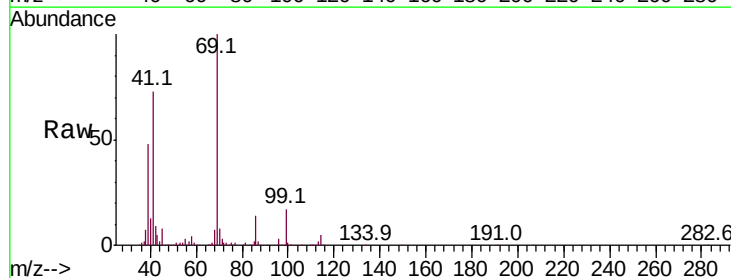
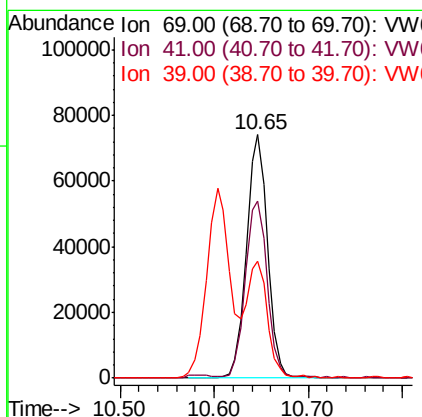
Manual Integrations
 APPROVED

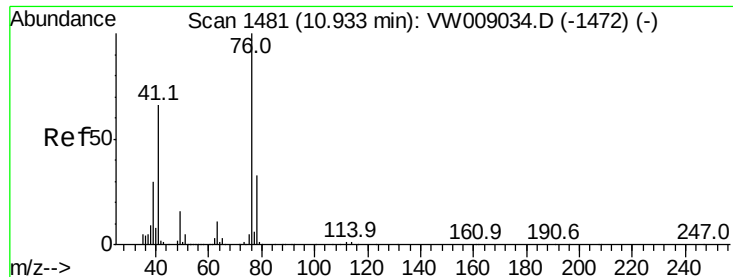
MMDadoda
 3/14/2019 3:12:12 PM



#56
 Ethyl methacrylate
 Concen: 47.056 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW009121.D
 Acq: 12 Mar 2019 11:30

Tgt Ion:	69	Resp:	116168
Ion	Ratio	Lower	Upper
69	100		
41	74.0	59.4	89.2
39	45.5	38.5	57.7





#57

1,3-Dichloropropane

Concen: 44.452 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW009121.D

Acq: 12 Mar 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 156639

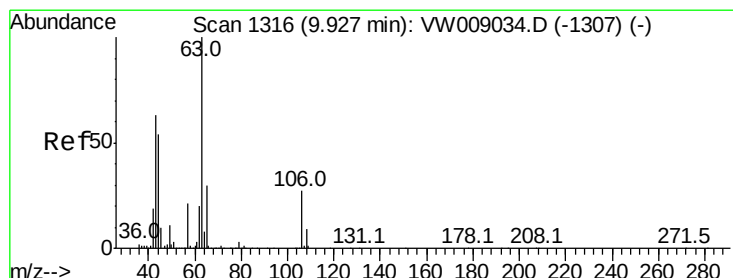
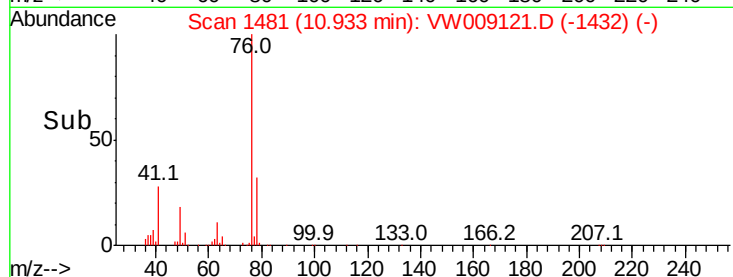
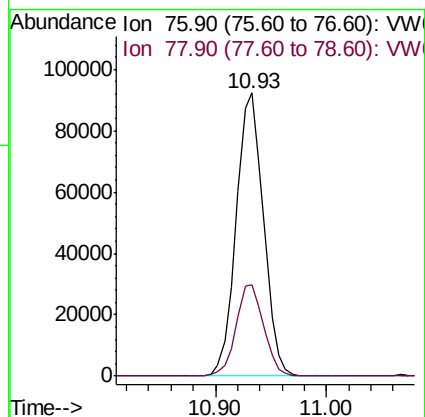
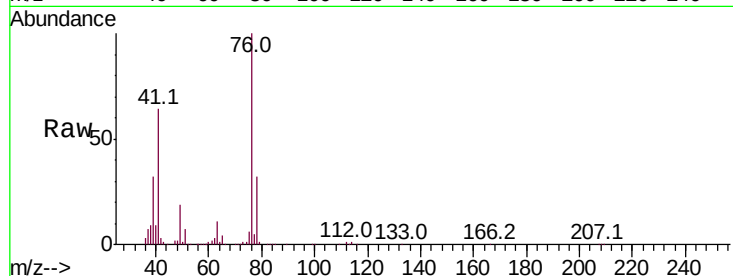
Ion Ratio Lower Upper

76 100

78 32.8 25.7 38.5

Manual Integrations
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3/14/2019 3:12:12 PM



#58

2-Chloroethyl Vinyl ether

Concen: 245.739 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VW009121.D

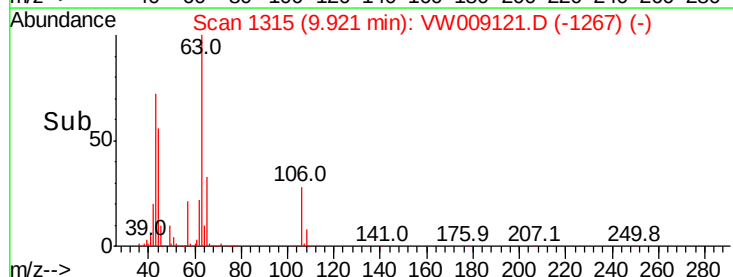
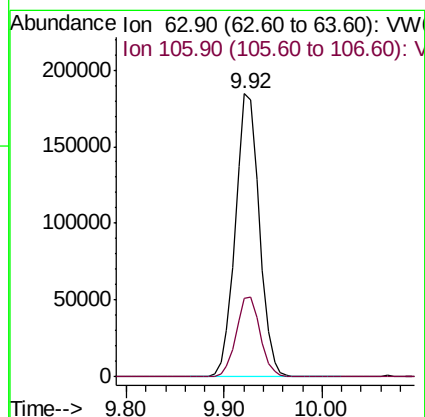
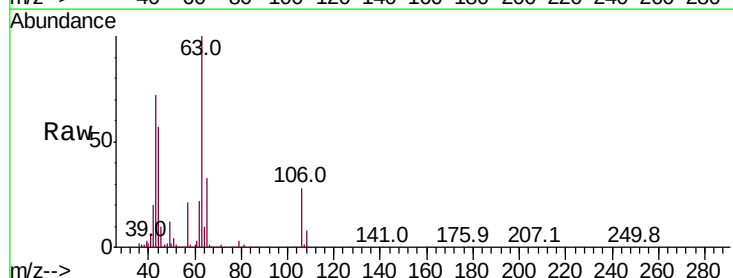
Acq: 12 Mar 2019 11:30

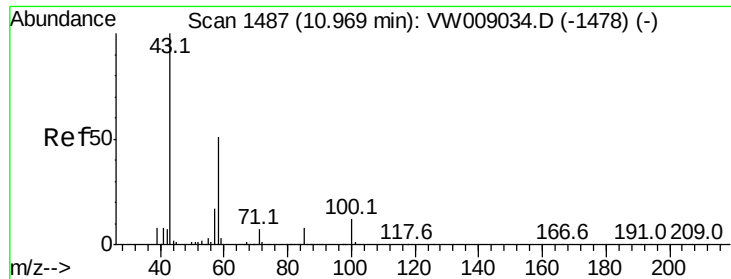
Tgt Ion: 63 Resp: 314496

Ion Ratio Lower Upper

63 100

106 28.2 23.0 34.6





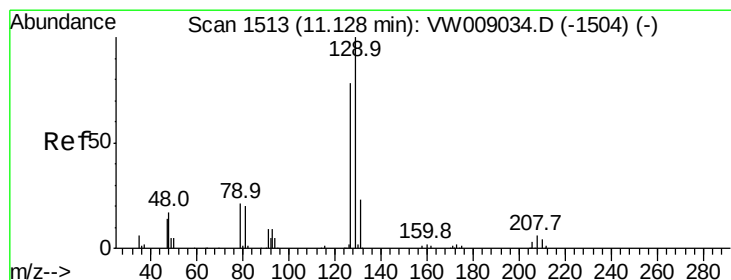
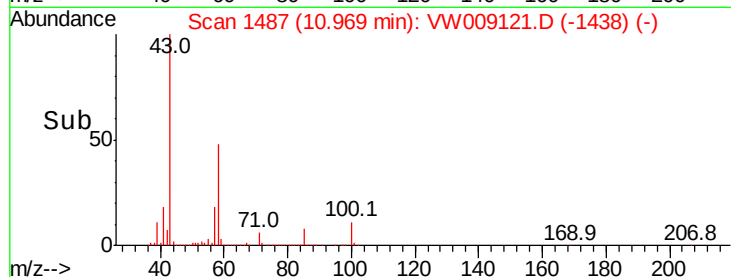
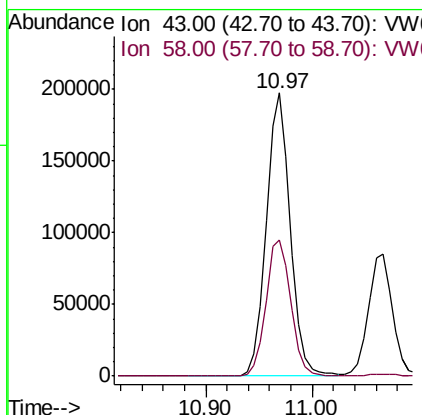
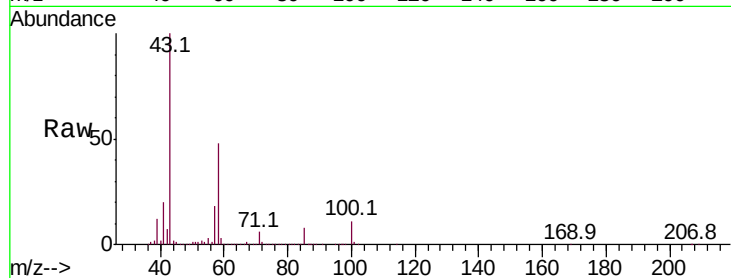
#59
2-Hexanone
Concen: 246.773 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW009121.D
Acq: 12 Mar 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 309711
Ion Ratio Lower Upper
43 100
58 50.3 25.3 75.9

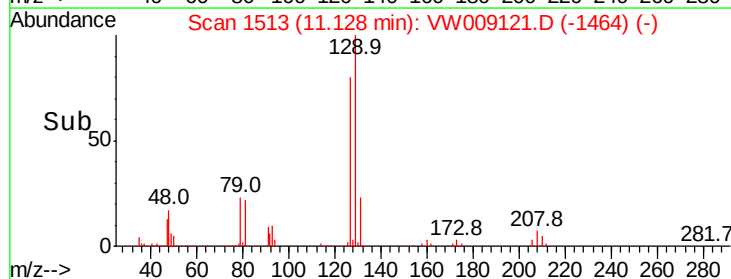
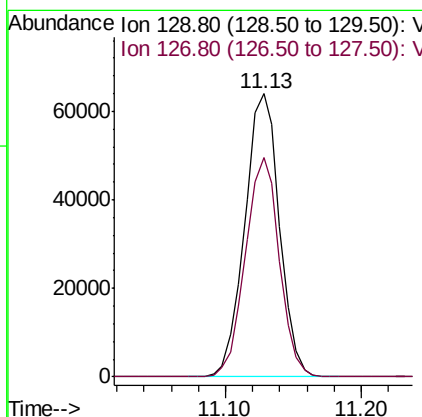
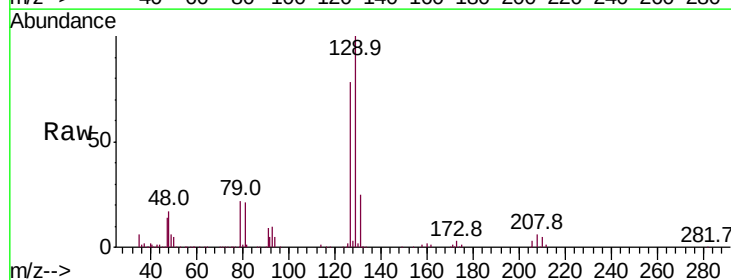
Manual Integrations
APPROVED

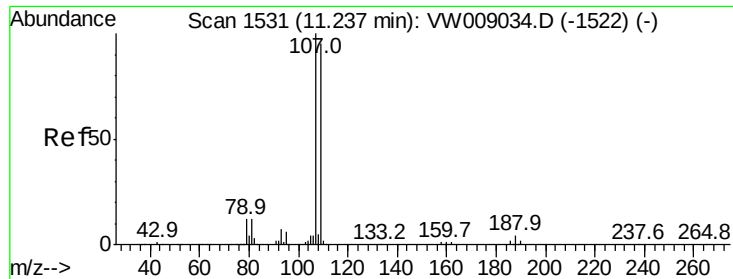
MMDadoda
3/14/2019 3:12:12 PM



#60
Dibromochloromethane
Concen: 46.370 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW009121.D
Acq: 12 Mar 2019 11:30

Tgt Ion: 129 Resp: 114147
Ion Ratio Lower Upper
129 100
127 76.0 38.4 115.1





#61

1,2-Dibromoethane

Concen: 44.561 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW009121.D

Acq: 12 Mar 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 86894

Ion Ratio Lower Upper

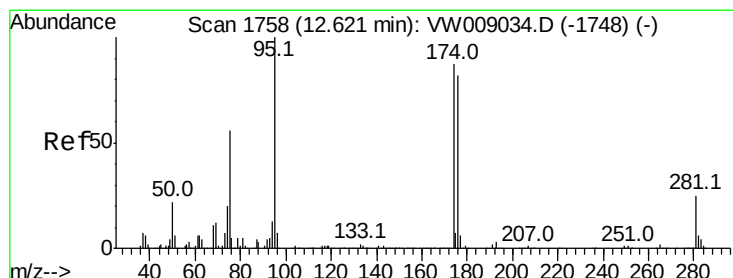
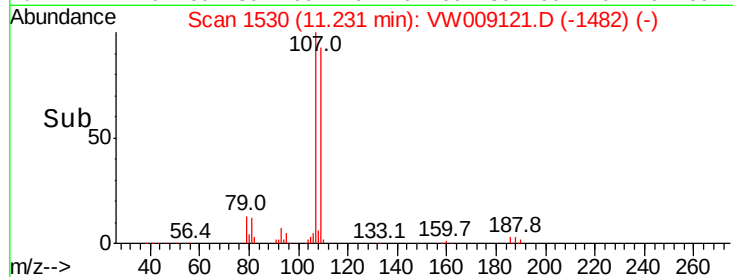
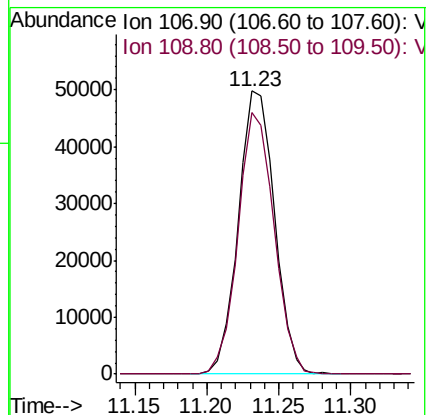
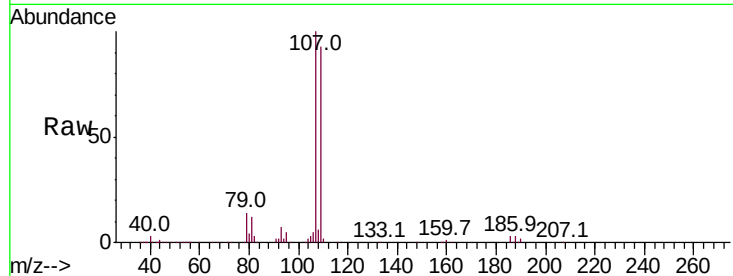
107 100

109 92.5 74.7 112.1

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#62

4-Bromofluorobenzene

Concen: 52.915 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW009121.D

Acq: 12 Mar 2019 11:30

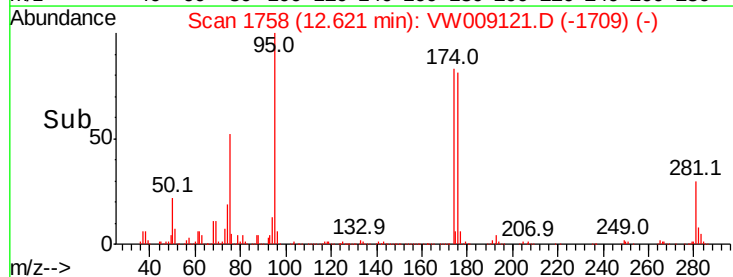
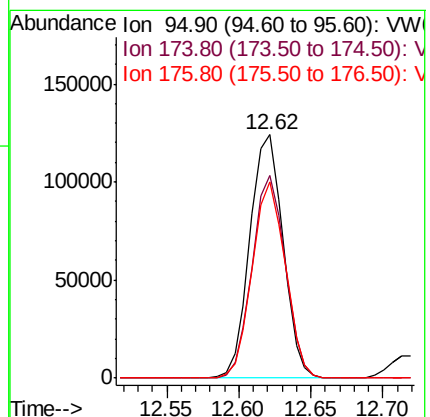
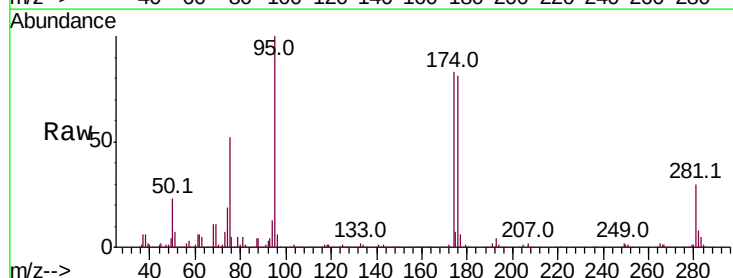
Tgt Ion: 95 Resp: 198005

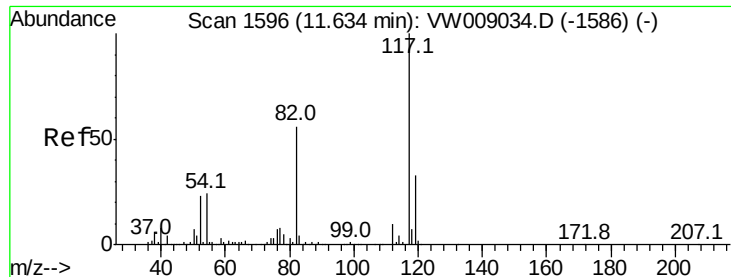
Ion Ratio Lower Upper

95 100

174 83.0 0.0 167.0

176 80.4 0.0 159.4





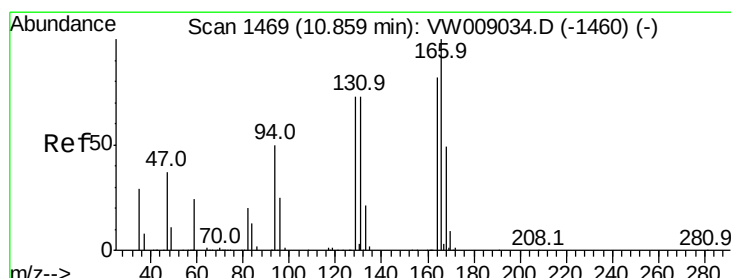
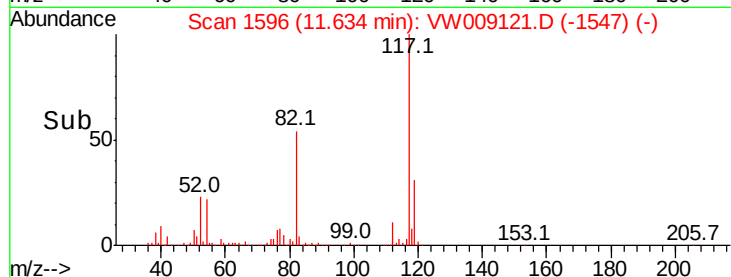
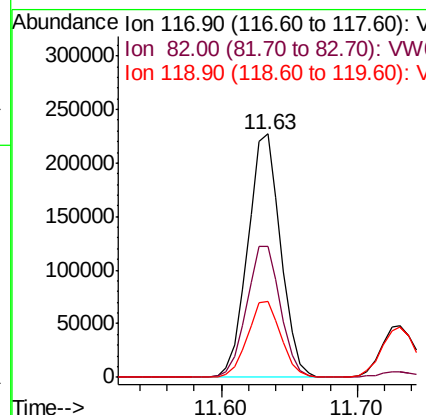
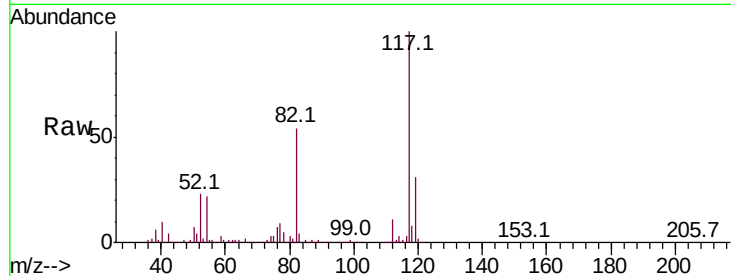
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009121.D
Acq: 12 Mar 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	45.0	67.6
119	31.4	26.6	39.8

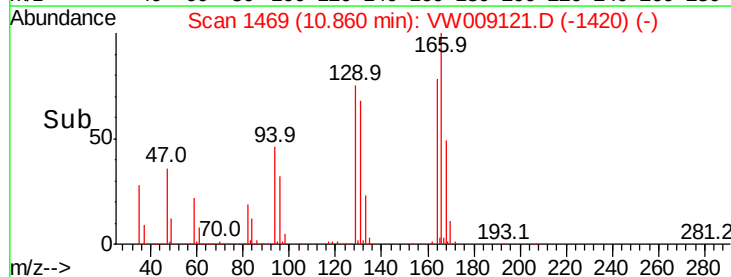
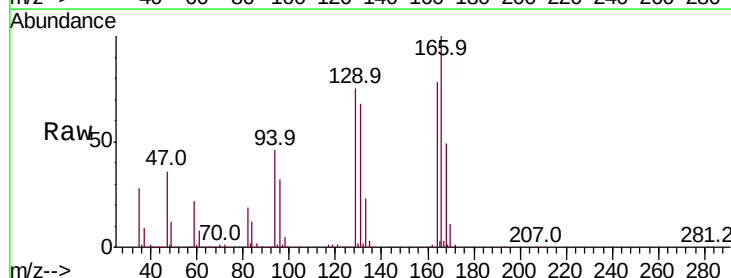
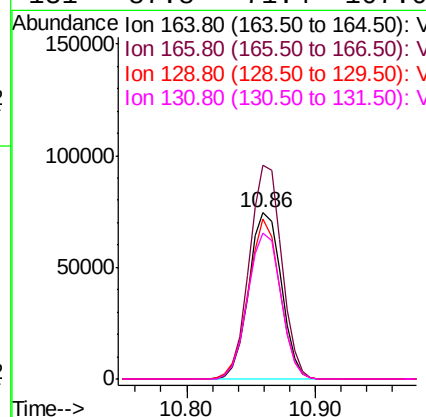
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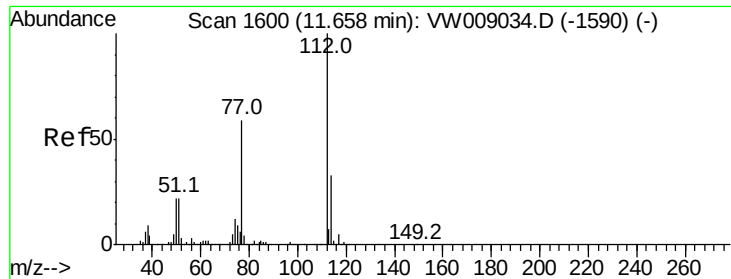
MMDadoda
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#64
Tetrachloroethene
Concen: 46.921 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW009121.D
Acq: 12 Mar 2019 11:30

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.6	97.8	146.6
129	96.2	71.6	107.4
131	87.8	71.4	107.0





#65

Chlorobenzene

Concen: 46.191 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW009121.D

Acq: 12 Mar 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 385111

Ion Ratio Lower Upper

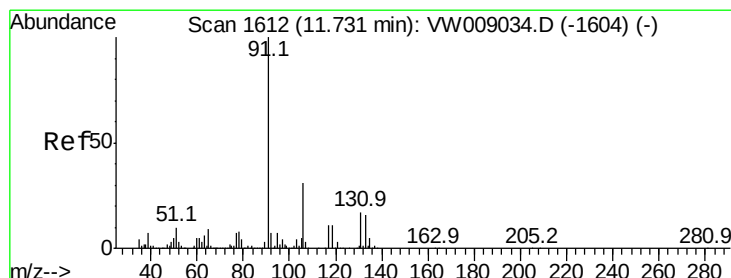
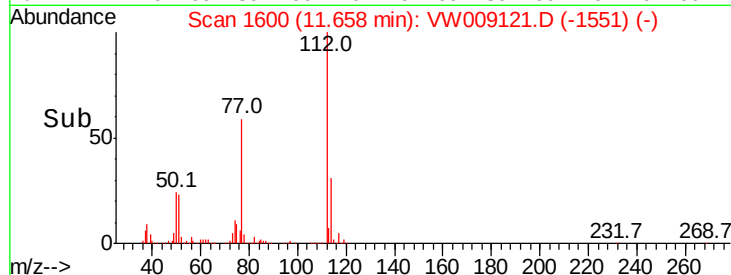
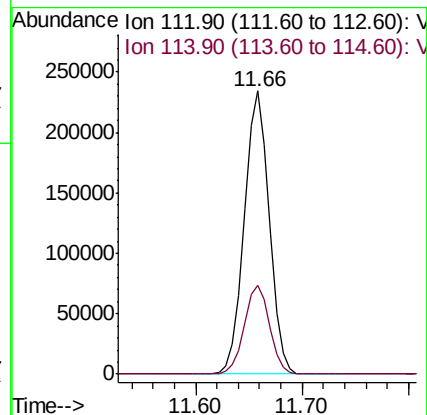
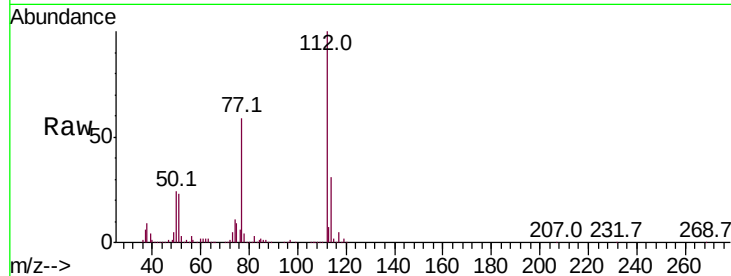
112 100

114 31.2 26.6 40.0

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#66

1,1,1,2-Tetrachloroethane

Concen: 46.186 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW009121.D

Acq: 12 Mar 2019 11:30

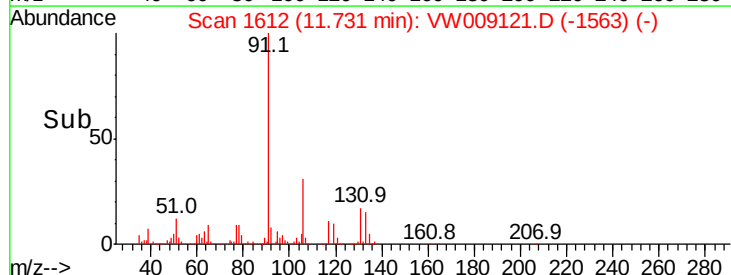
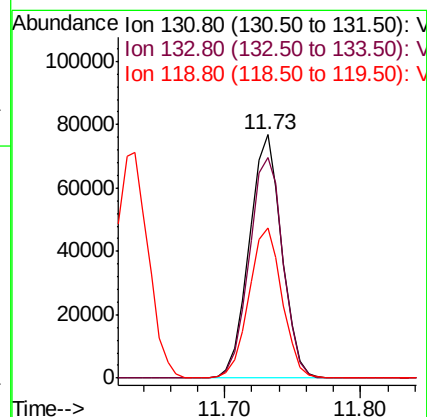
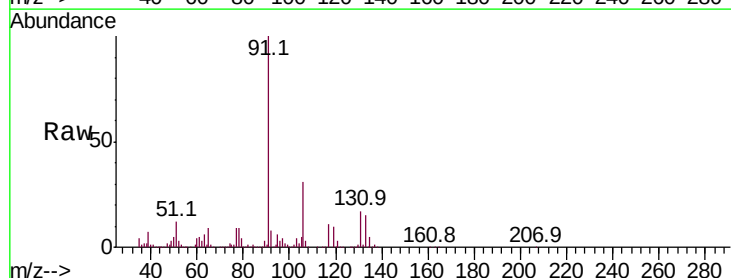
Tgt Ion:131 Resp: 128574

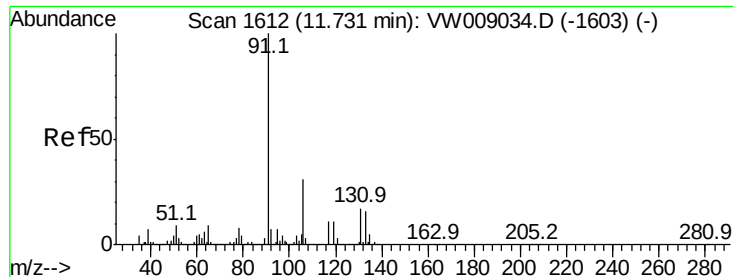
Ion Ratio Lower Upper

131 100

133 94.1 47.6 142.8

119 62.9 31.3 93.8





#67

Ethyl Benzene

Concen: 47.431 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW009121.D

Acq: 12 Mar 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 714404

Ion Ratio Lower Upper

91 100

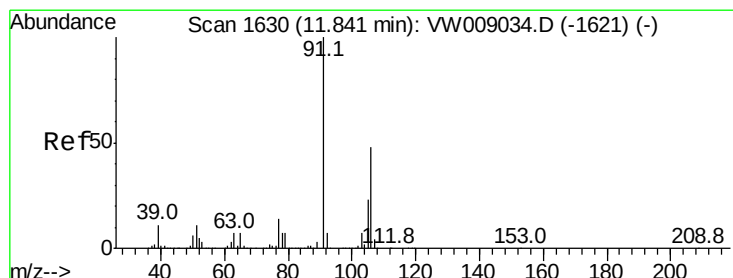
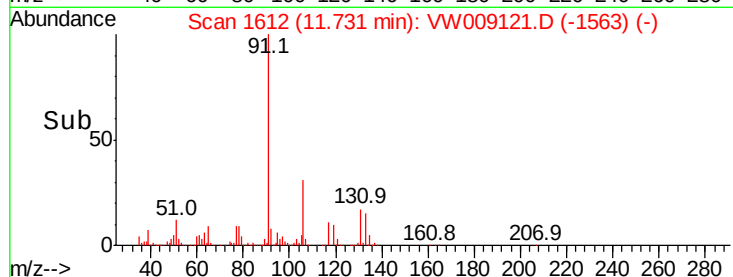
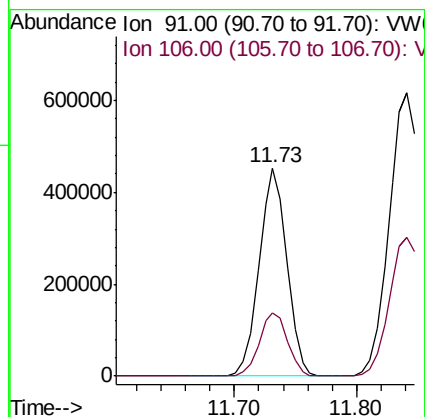
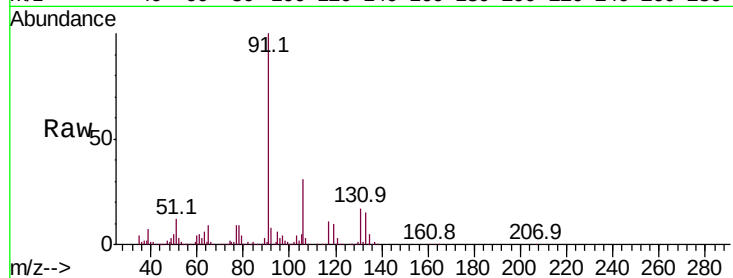
106 30.6 25.0 37.4

Manual Integrations

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#68

m/p-Xylenes

Concen: 95.434 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW009121.D

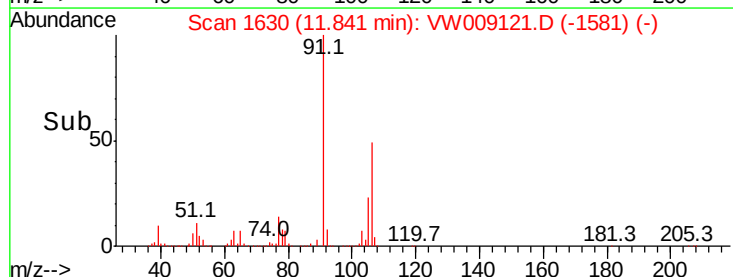
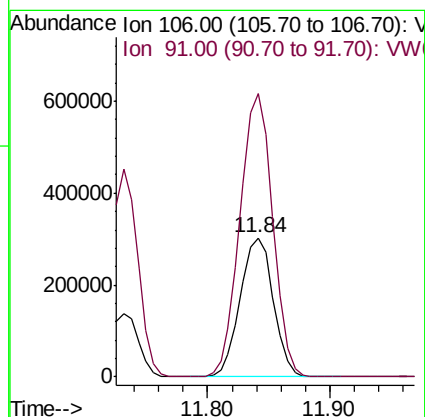
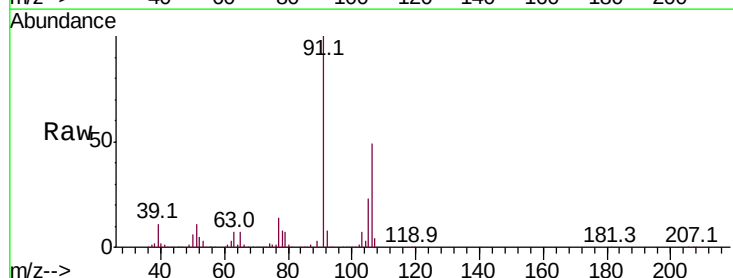
Acq: 12 Mar 2019 11:30

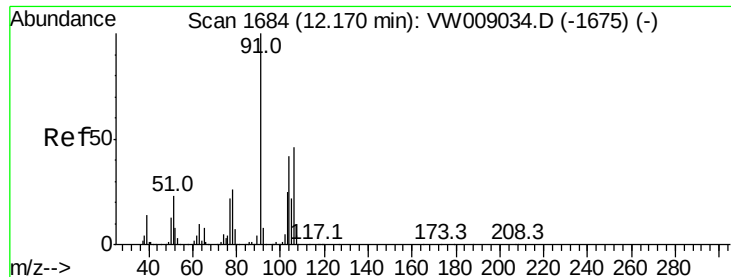
Tgt Ion: 106 Resp: 567376

Ion Ratio Lower Upper

106 100

91 202.1 163.2 244.8





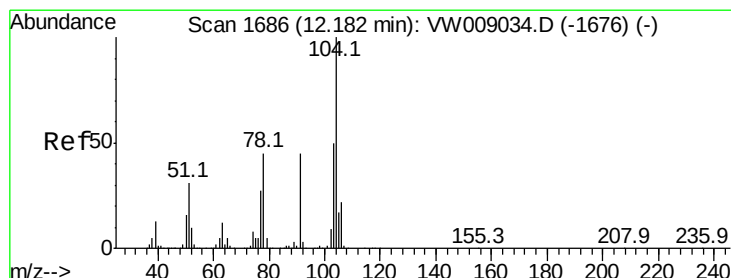
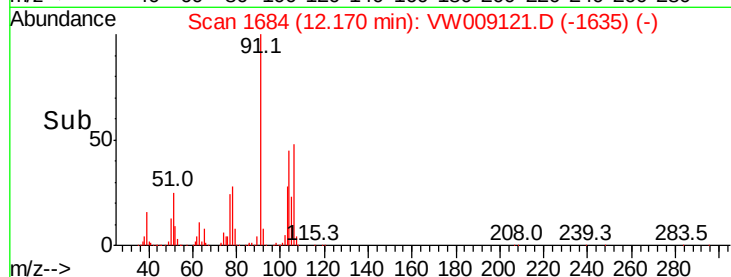
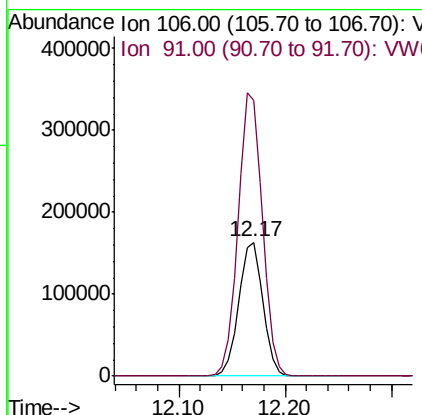
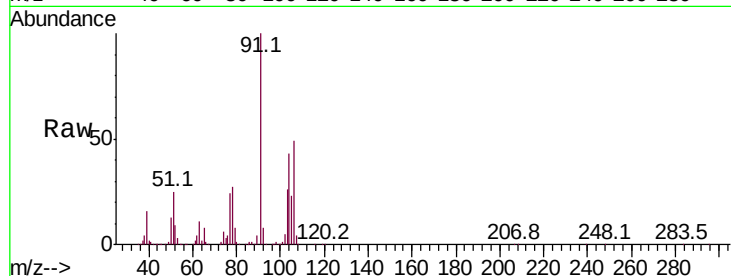
#69
o-Xylene
Concen: 47.336 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW009121.D
Acq: 12 Mar 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	212.9	108.6	325.6

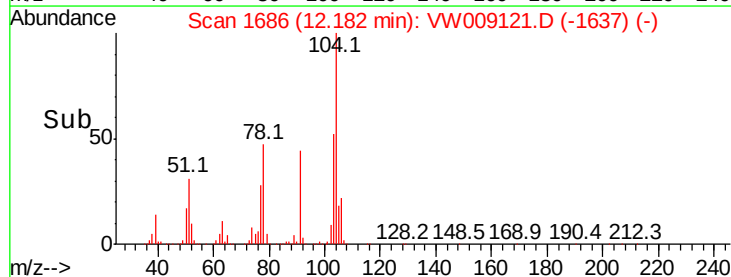
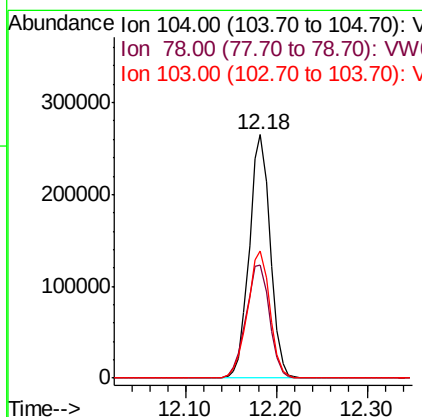
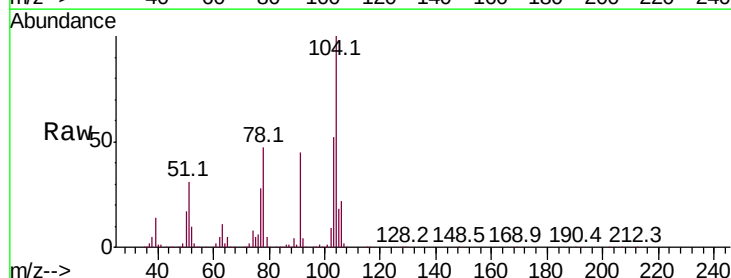
Manual Integrations
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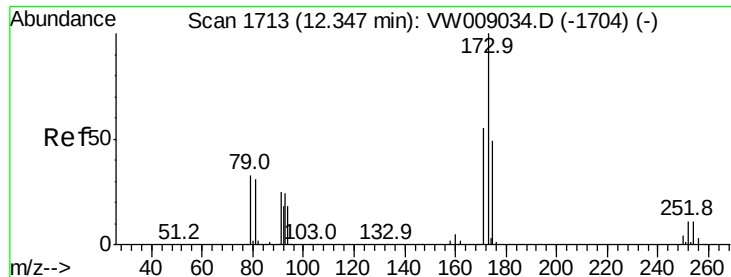
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#70
Styrene
Concen: 47.479 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW009121.D
Acq: 12 Mar 2019 11:30

Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.5	42.1	63.1
103	56.1	43.9	65.9





#71

Bromoform

Concen: 45.153 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW009121.D

Acq: 12 Mar 2019 11:30

Instrument :

MSVOA_W

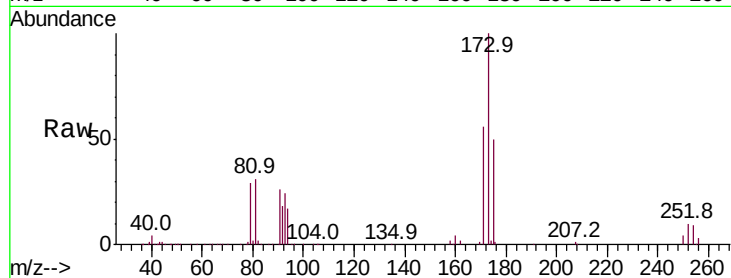
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.6	74.0
254	0.2	0.0	0.0

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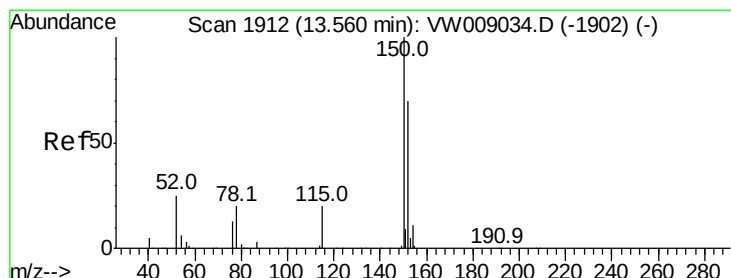
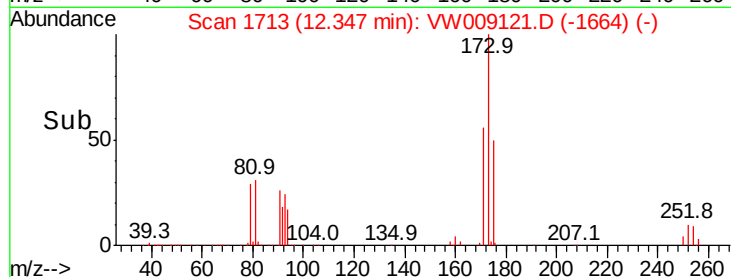
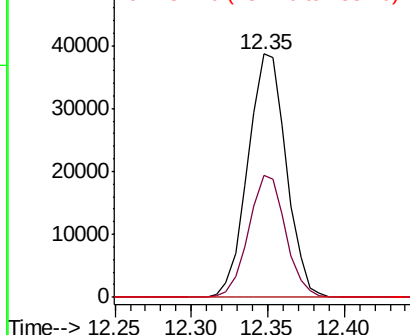


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

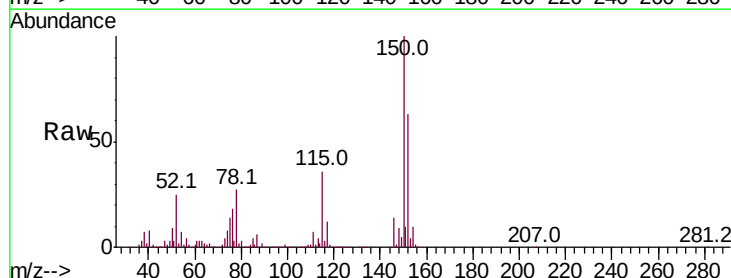
RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW009121.D

Acq: 12 Mar 2019 11:30

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.0	28.9	86.7
150	172.8	0.0	349.2

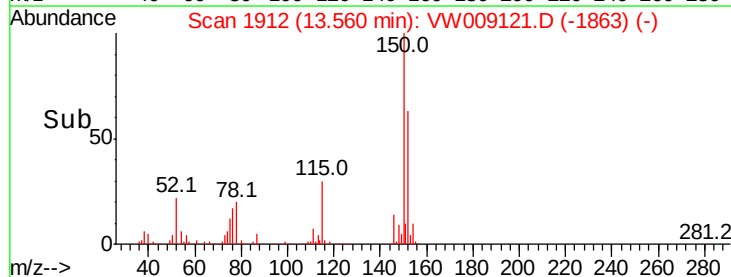
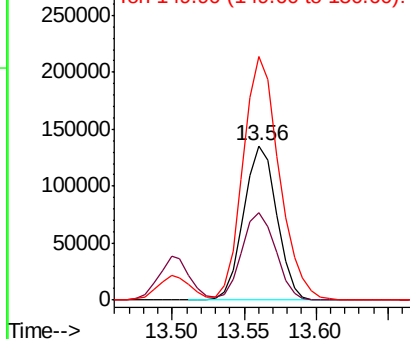


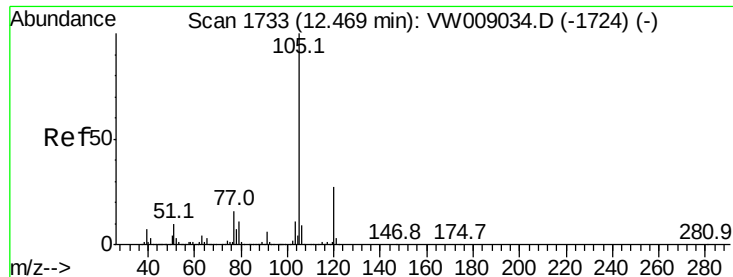
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.692 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW009121.D

Acq: 12 Mar 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 734639

Ion Ratio Lower Upper

105 100

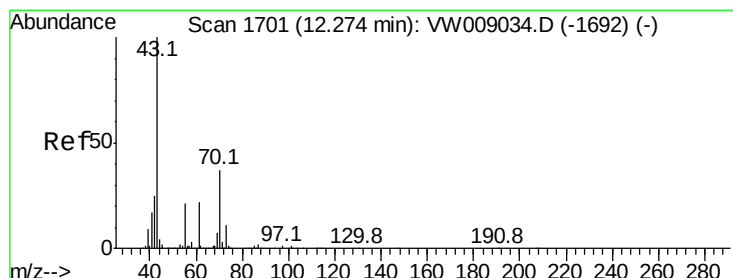
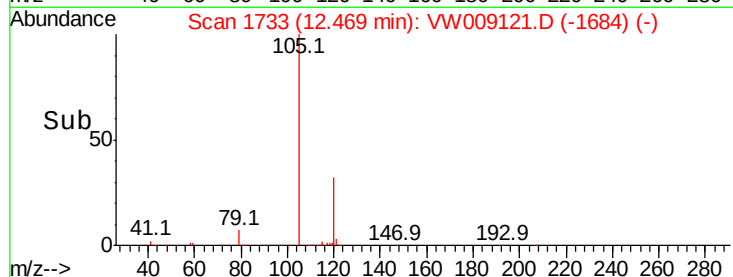
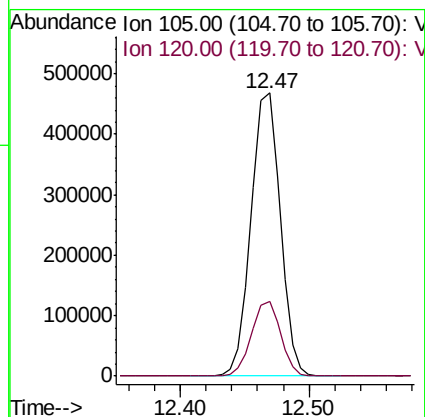
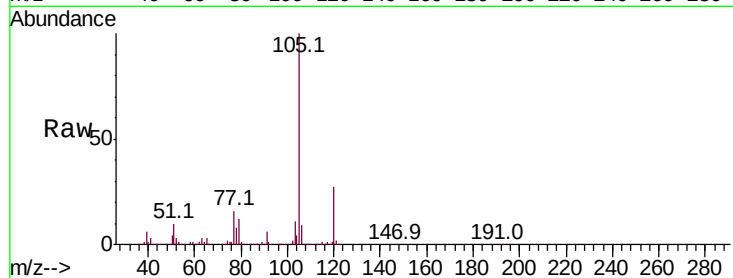
120 26.3 13.2 39.6

Manual Integrations

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#74

N-ethyl acetate

Concen: 44.694 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW009121.D

Acq: 12 Mar 2019 11:30

Tgt Ion: 43 Resp: 162979

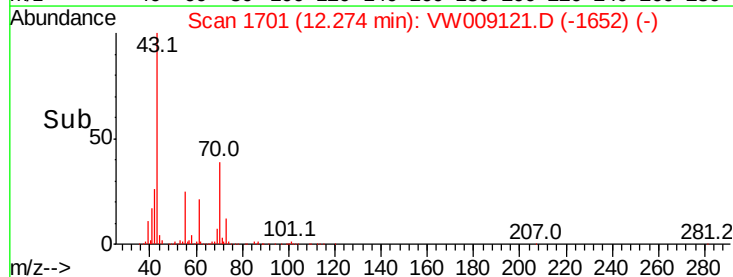
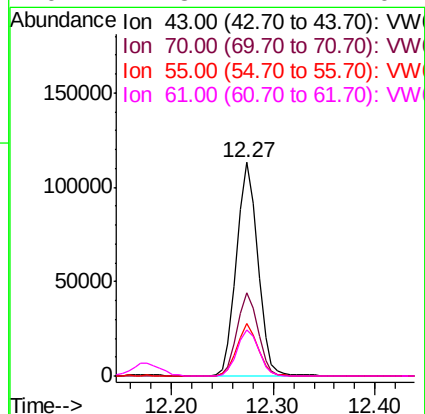
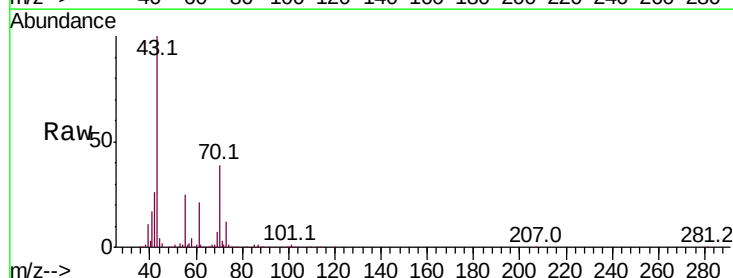
Ion Ratio Lower Upper

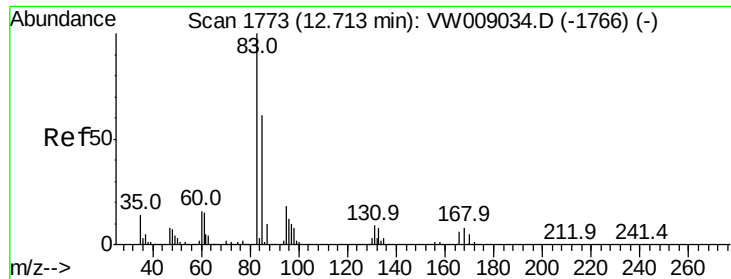
43 100

70 38.5 30.8 46.2

55 24.3 17.8 26.8

61 21.8 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 43.961 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009121.D

Acq: 12 Mar 2019 11:30

Instrument :

MSVOA_W

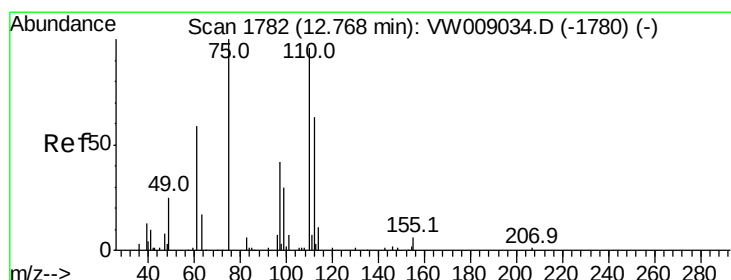
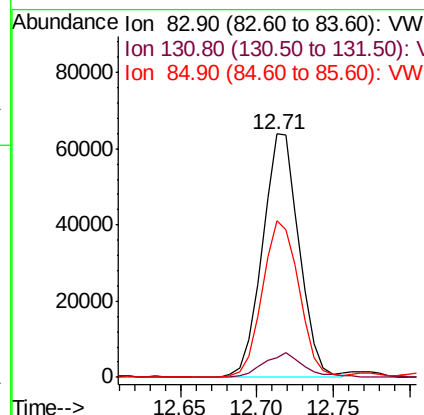
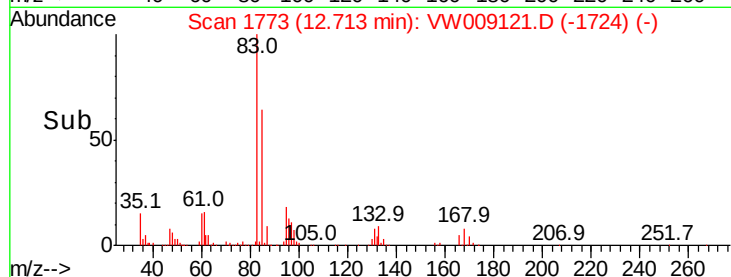
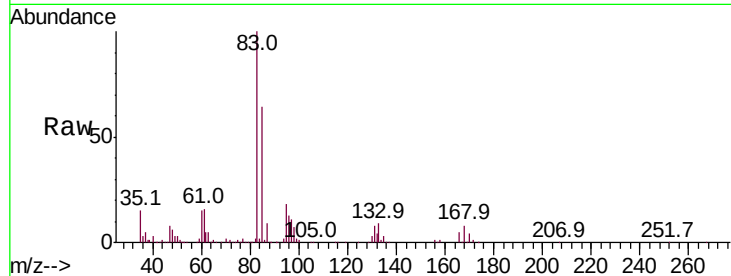
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	106817
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.5	16.7
85	64.4	31.7	95.1

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#76

1,2,3-Trichloropropane

Concen: 55.209 ug/l m

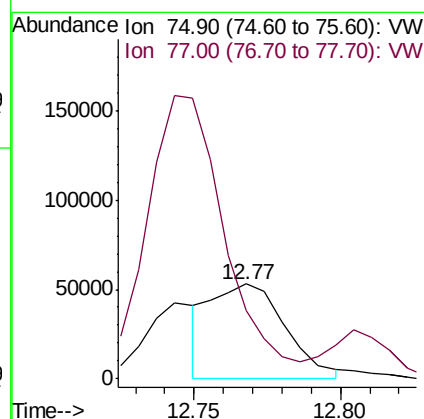
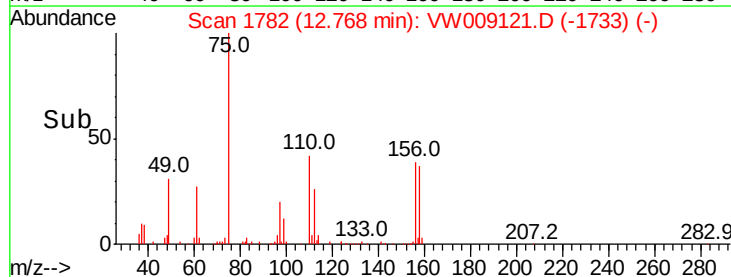
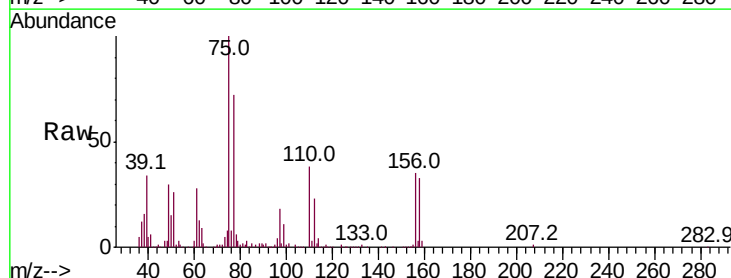
RT: 12.77 min Scan# 1782

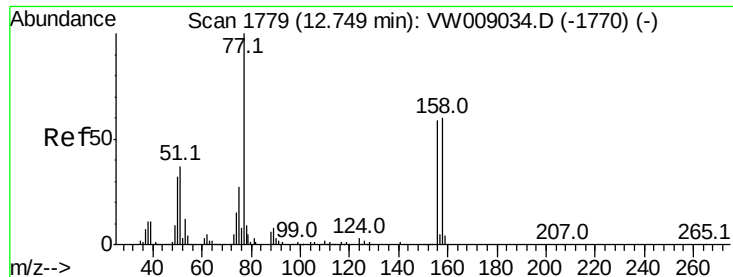
Delta R.T. 0.00 min

Lab File: VW009121.D

Acq: 12 Mar 2019 11:30

Tgt Ion:	75	Resp:	93828
Ion Ratio	Lower	Upper	
75	100		
77	0.0	186.7	560.0#





#77

Bromobenzene

Concen: 46.624 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW009121.D

Acq: 12 Mar 2019 11:30

Instrument :

MSVOA_W

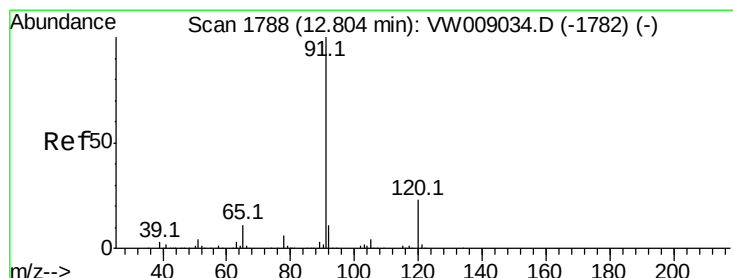
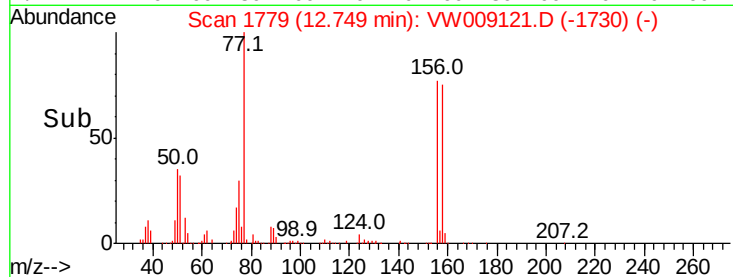
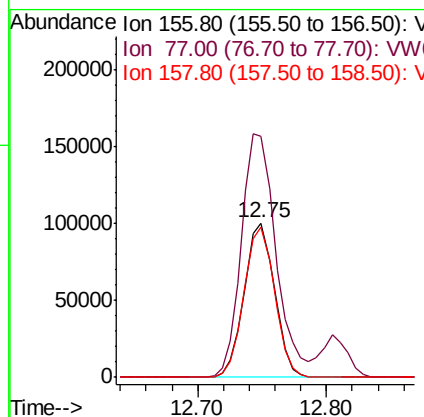
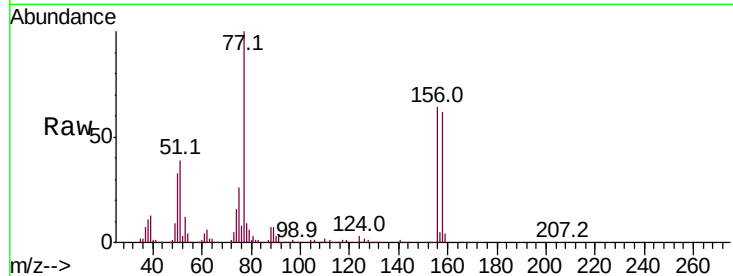
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	164097
Ion Ratio	Lower	Upper	
156	100		
77	178.9	93.0	279.2
158	97.5	50.0	149.8

Manual Integrations
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#78

n-propylbenzene

Concen: 48.221 ug/l

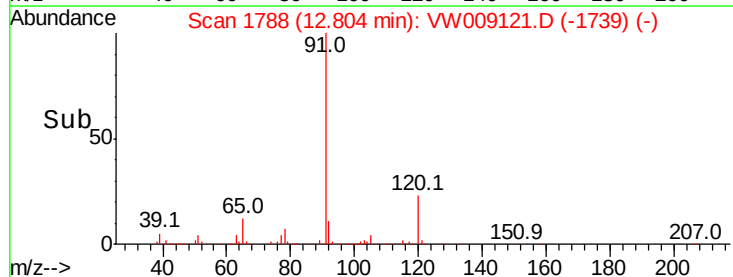
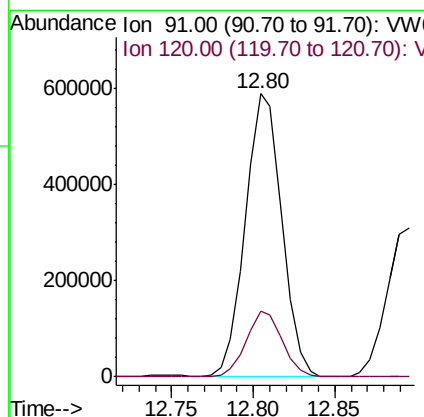
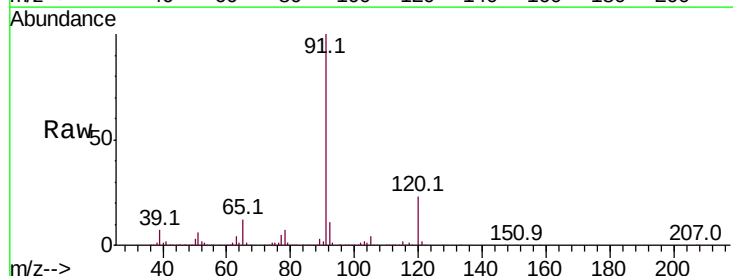
RT: 12.80 min Scan# 1788

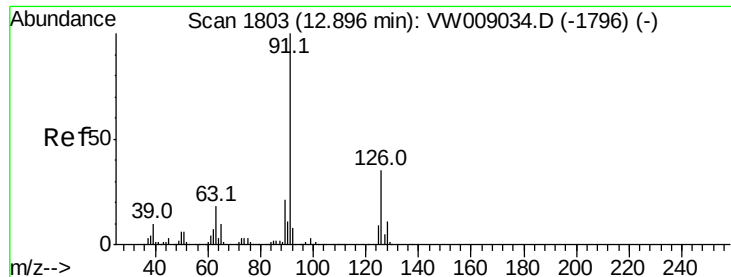
Delta R.T. 0.00 min

Lab File: VW009121.D

Acq: 12 Mar 2019 11:30

Tgt Ion:	91	Resp:	914931
Ion Ratio	Lower	Upper	
91	100		
120	23.1	11.4	34.2





#79

2-Chlorotoluene

Concen: 47.247 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW009121.D

Acq: 12 Mar 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 503667

Ion Ratio Lower Upper

91 100

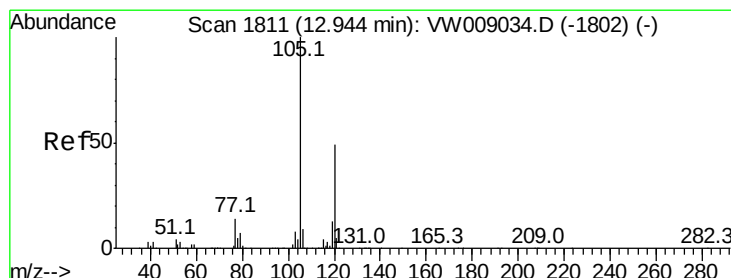
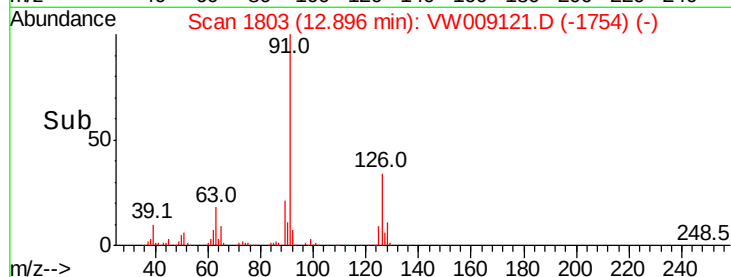
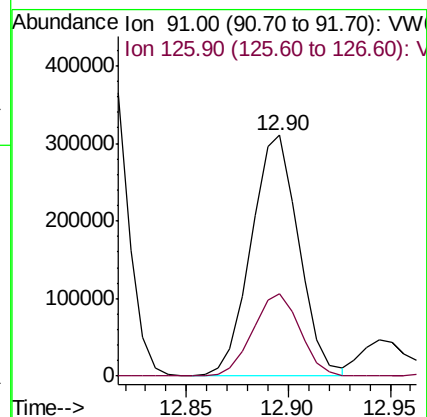
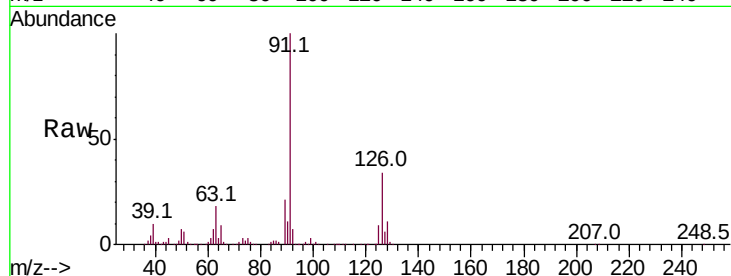
126 33.9 16.8 50.4

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 47.864 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW009121.D

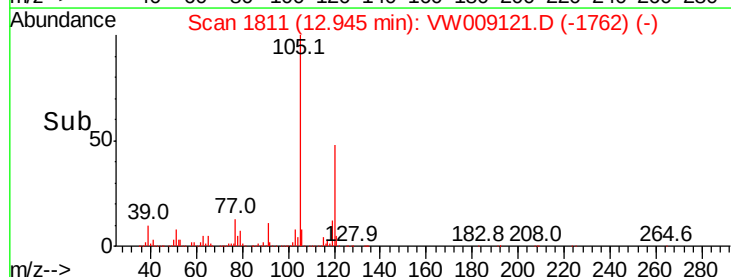
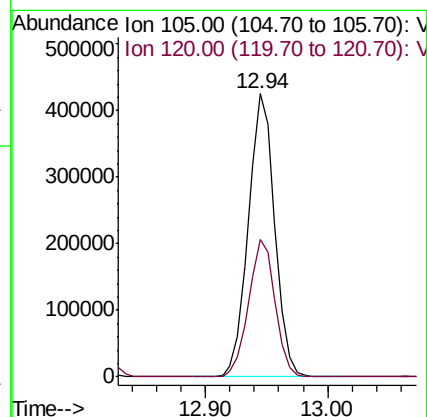
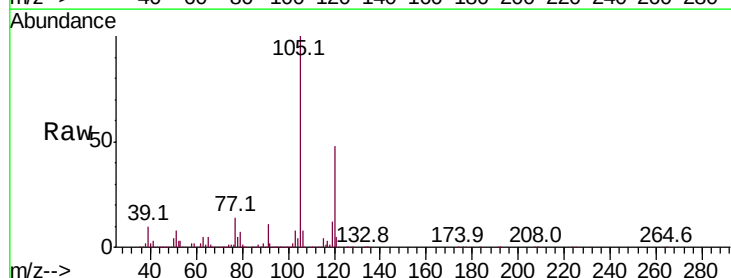
Acq: 12 Mar 2019 11:30

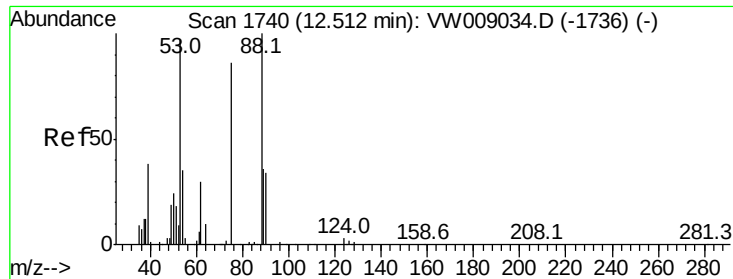
Tgt Ion: 105 Resp: 635532

Ion Ratio Lower Upper

105 100

120 48.7 24.4 73.2





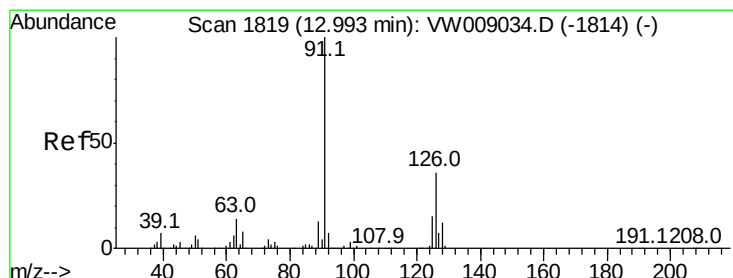
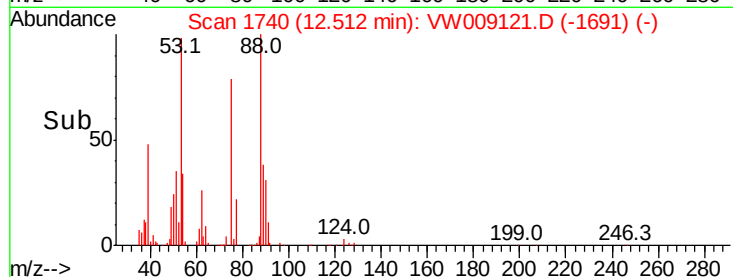
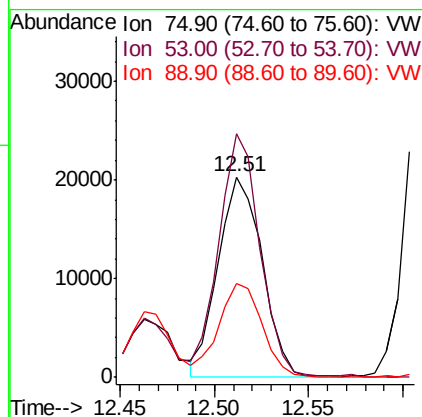
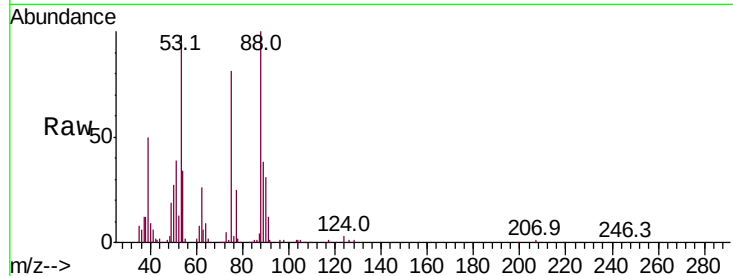
#81
trans-1,4-Dichloro-2-butene
Concen: 43.545 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW009121.D
Acq: 12 Mar 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	111.6	90.5	135.7
89	46.4	37.5	56.3

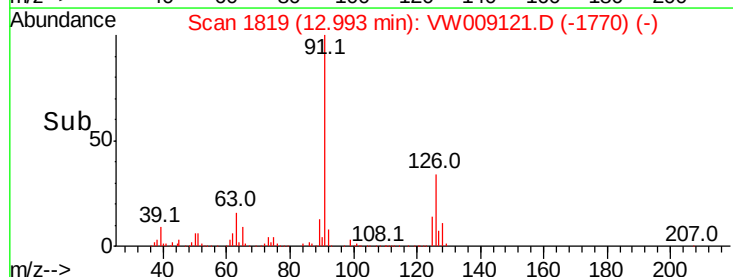
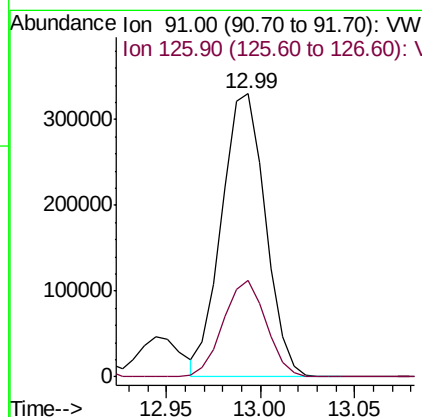
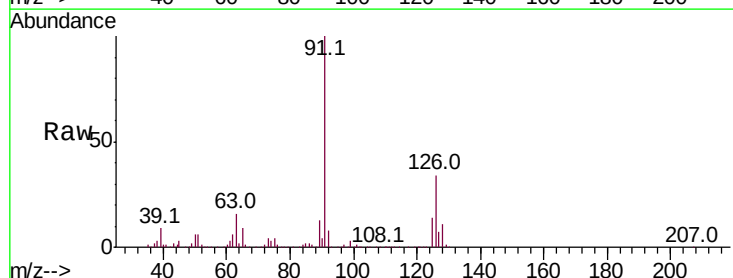
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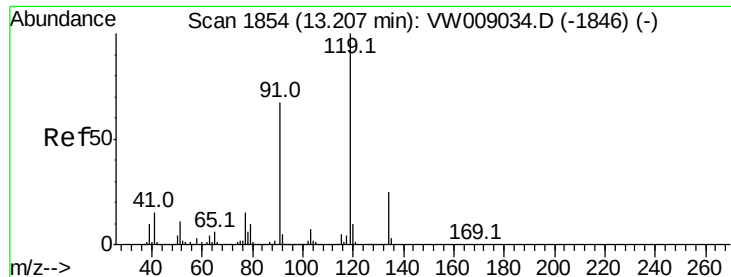
MMDadoda
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#82
4-Chlorotoluene
Concen: 46.944 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW009121.D
Acq: 12 Mar 2019 11:30

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.6	49.8





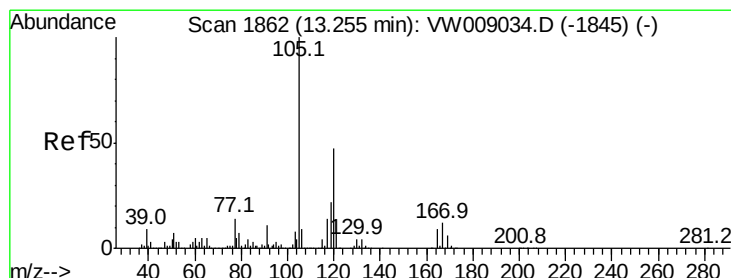
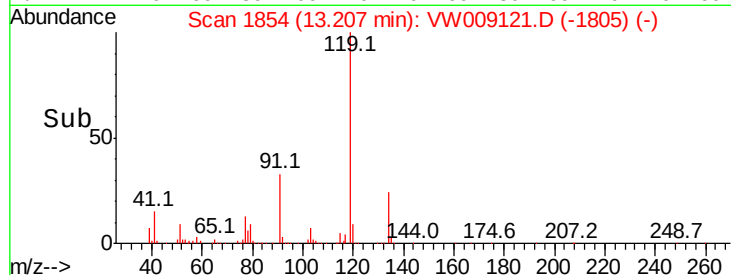
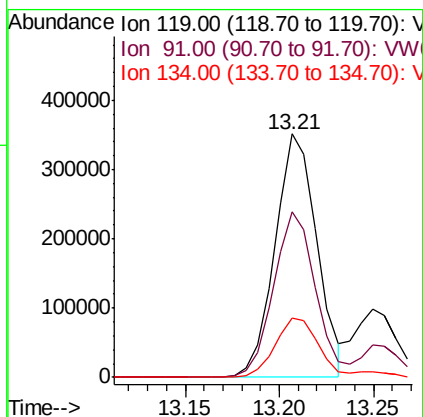
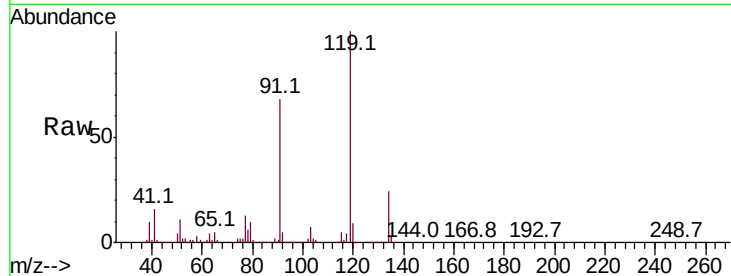
#83
 tert-Butylbenzene
 Concen: 48.366 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW009121.D
 Acq: 12 Mar 2019 11:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.3	34.2	102.5
134	27.0	13.9	41.6

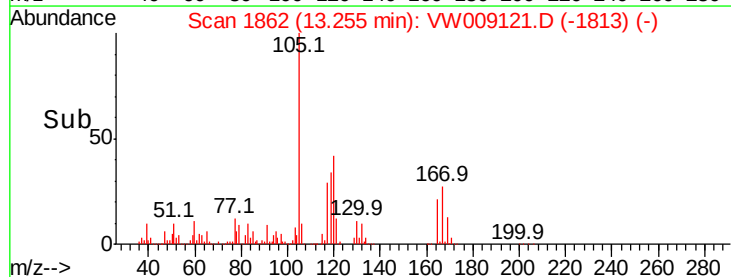
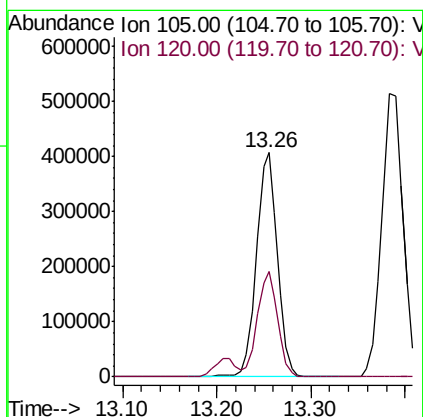
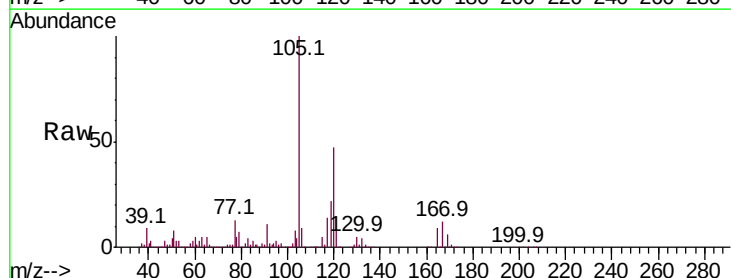
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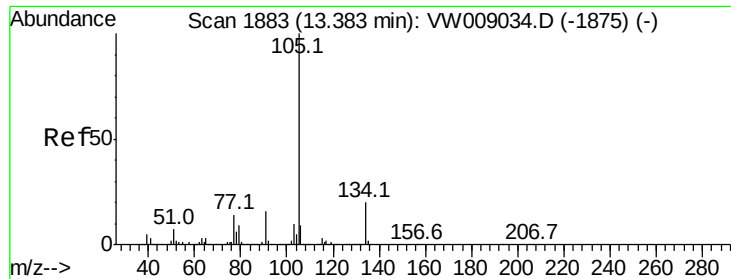
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#84
 1,2,4-Trimethylbenzene
 Concen: 47.606 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW009121.D
 Acq: 12 Mar 2019 11:30

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.8	68.4





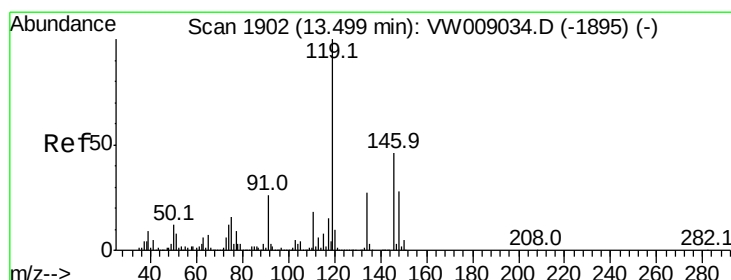
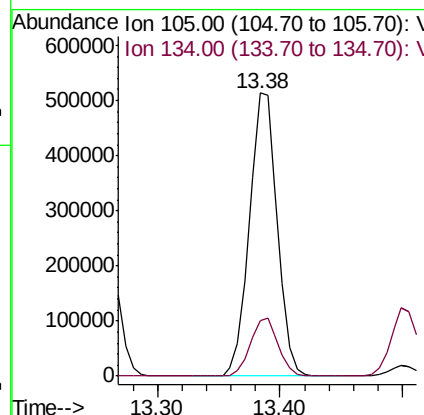
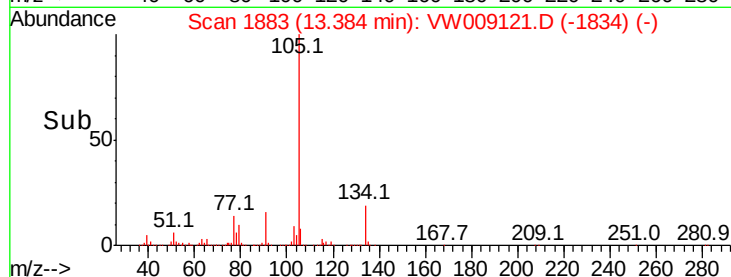
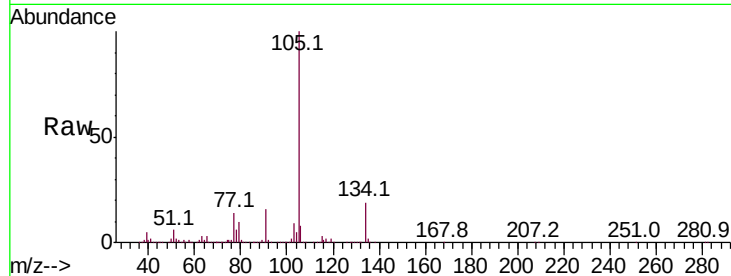
#85
 sec-Butylbenzene
 Concen: 48.841 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW009121.D
 Acq: 12 Mar 2019 11:30

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.3	10.0	30.0

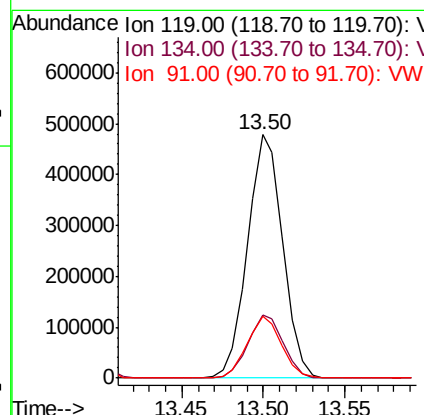
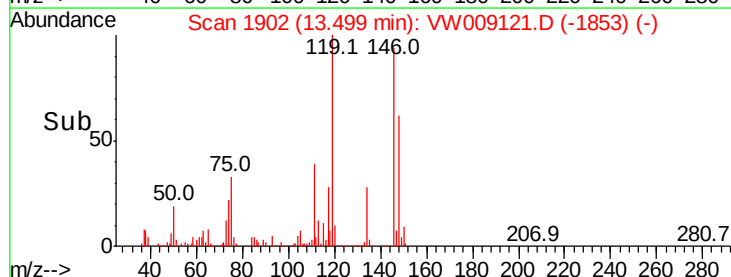
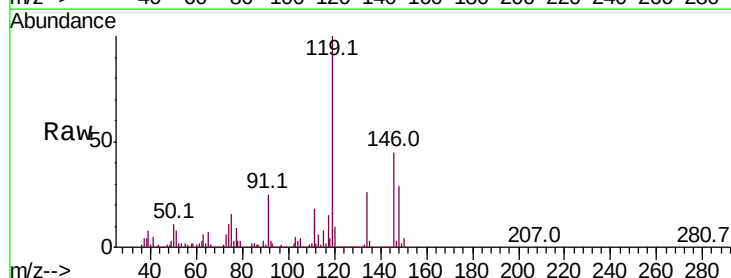
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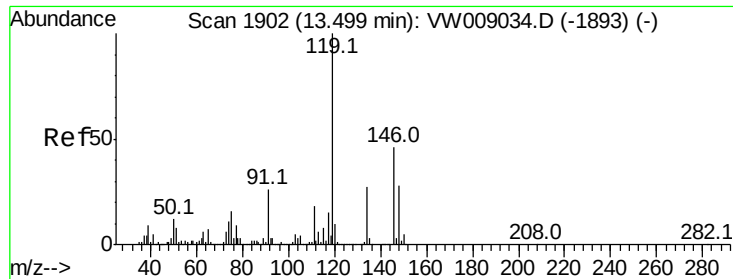
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 48.335 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009121.D
 Acq: 12 Mar 2019 11:30

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.3	39.9
91	24.7	12.3	36.9





#87

1,3-Dichlorobenzene

Concen: 46.596 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009121.D

Acq: 12 Mar 2019 11:30

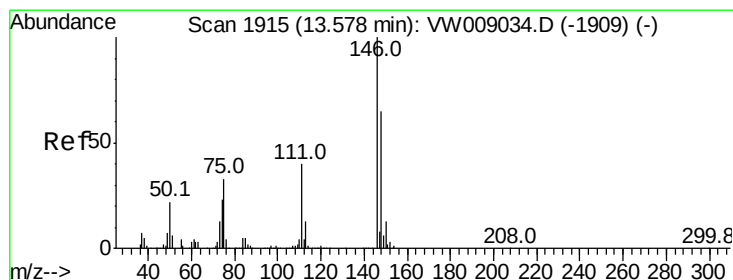
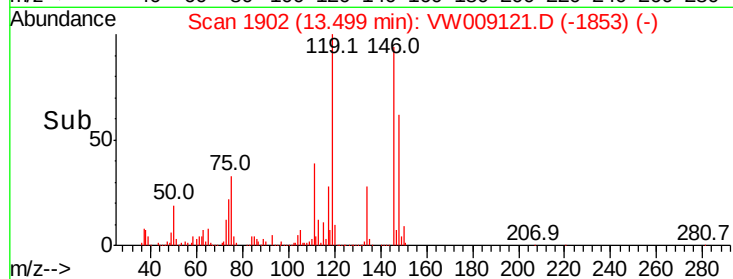
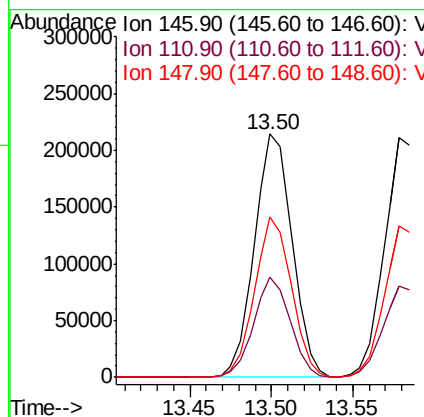
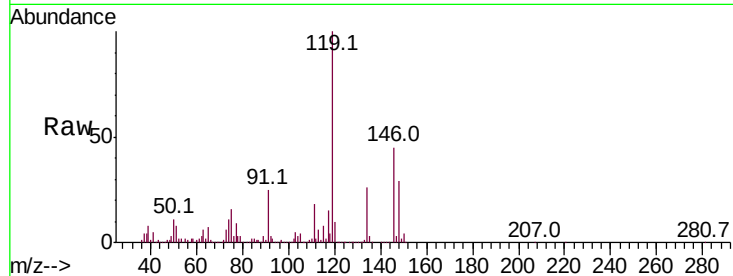
Instrument :
MSVOA_W

ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	344653		
111	39.9	19.8	59.4	
148	64.3	31.6	94.8	

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 47.083 ug/l

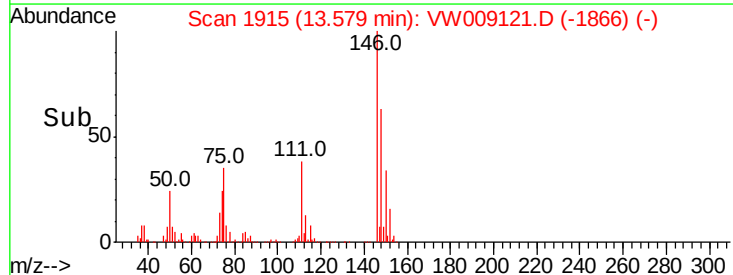
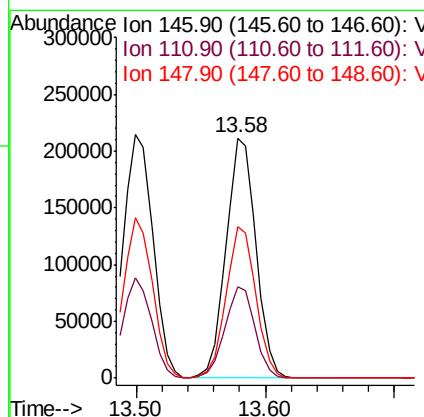
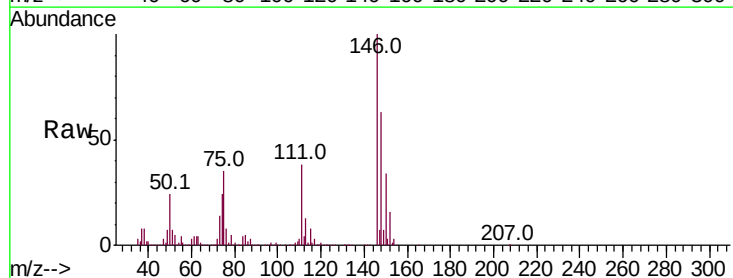
RT: 13.58 min Scan# 1915

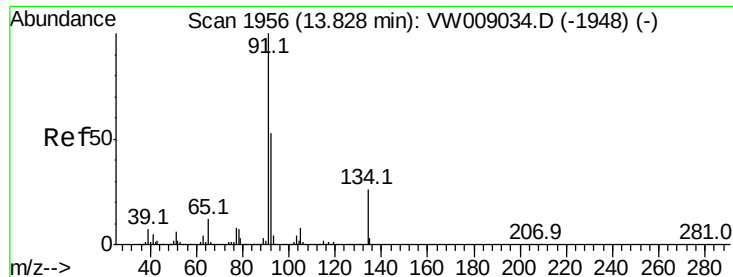
Delta R.T. 0.00 min

Lab File: VW009121.D

Acq: 12 Mar 2019 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	344168		
111	38.5	19.7	59.0	
148	62.6	32.2	96.6	





#89

n-Butylbenzene

Concen: 48.973 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW009121.D

Acq: 12 Mar 2019 11:30

Instrument :

MSVOA_W

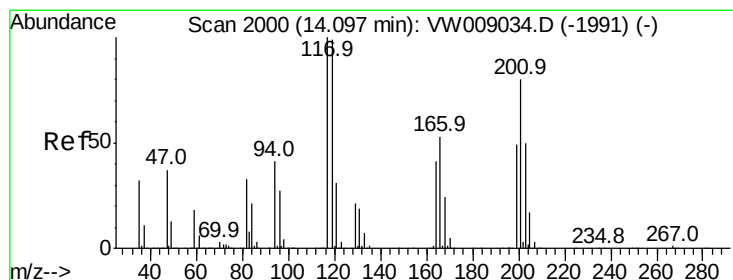
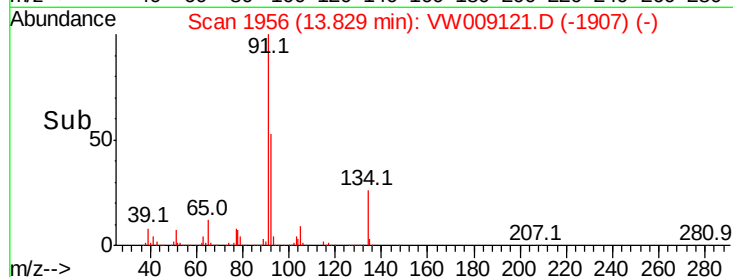
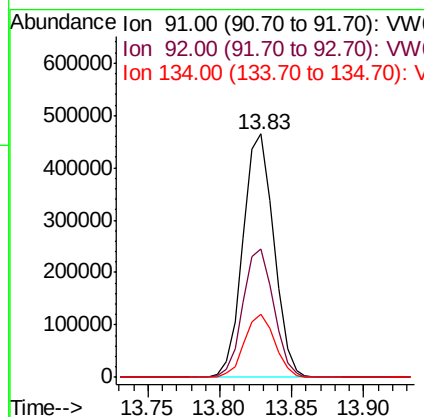
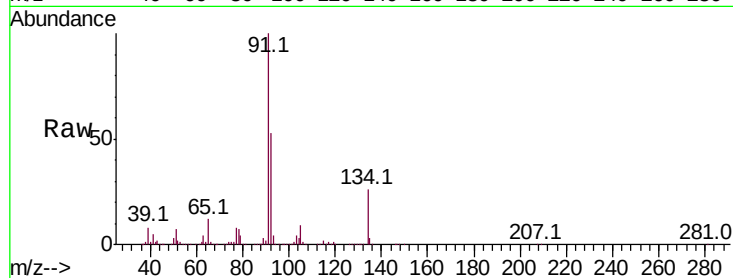
ClientSampleId :

VSTDCCC050

Tot Ion:	91	Resp:	691017
Ion Ratio	Lower	Upper	
91	100		
92	52.9	26.8	80.3
134	25.5	12.9	38.7

Manual Integrations
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#90

Hexachloroethane

Concen: 48.174 ug/l

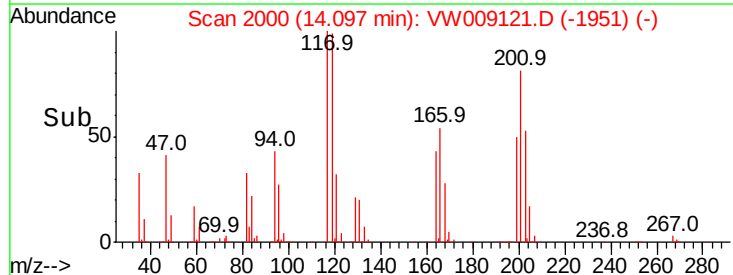
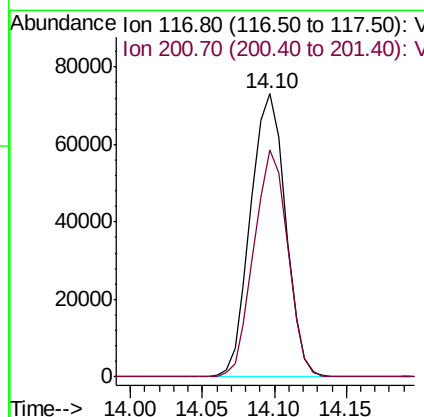
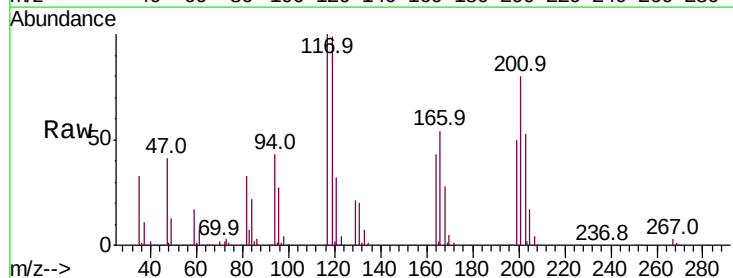
RT: 14.10 min Scan# 2000

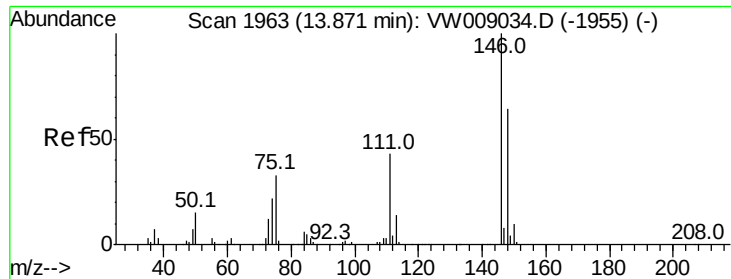
Delta R.T. 0.00 min

Lab File: VW009121.D

Acq: 12 Mar 2019 11:30

Tgt Ion:	117	Resp:	123319
Ion Ratio	Lower	Upper	
117	100		
201	77.5	39.1	117.5





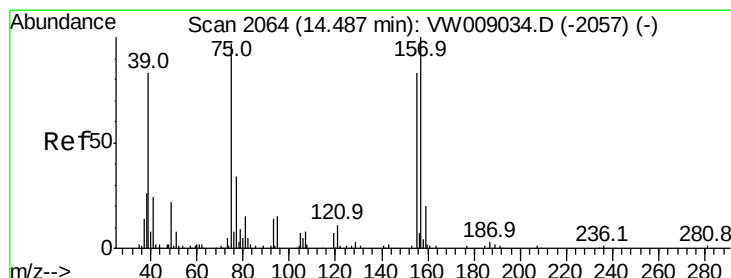
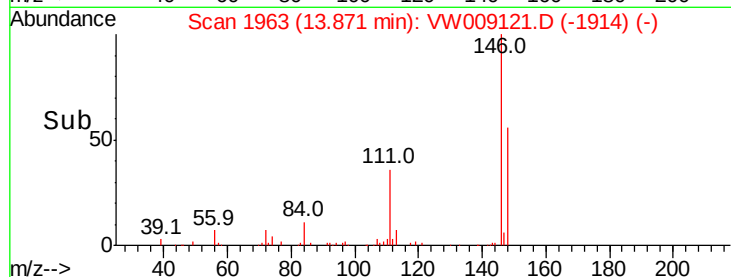
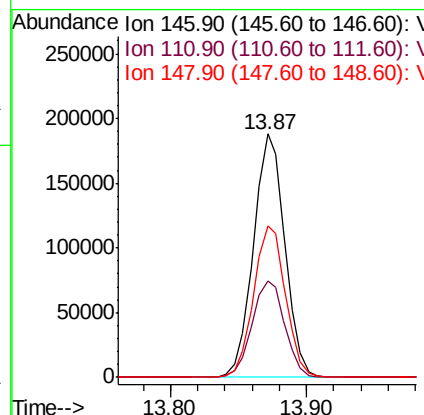
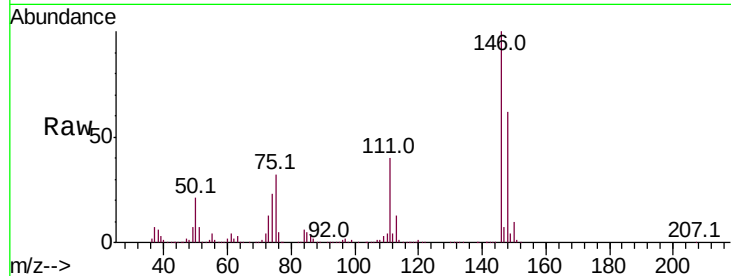
#91
 1,2-Dichlorobenzene
 Concen: 46.474 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW009121.D
 Acq: 12 Mar 2019 11:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.1	63.1
148	63.2	32.3	96.9

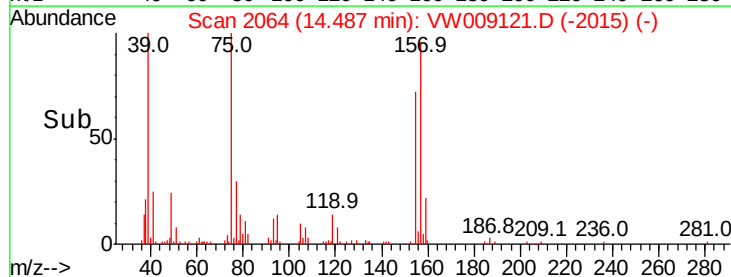
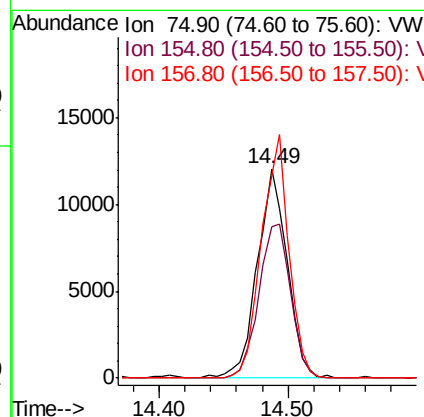
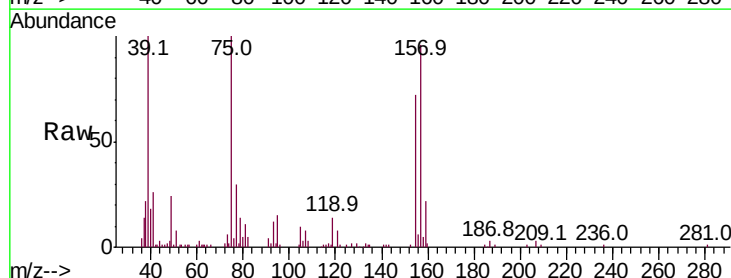
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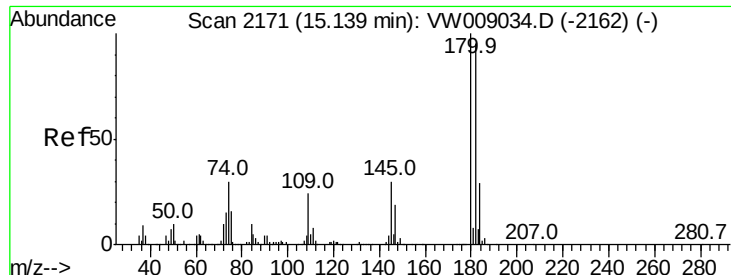
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.585 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW009121.D
 Acq: 12 Mar 2019 11:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.7	40.8	122.4
157	106.1	52.4	157.3





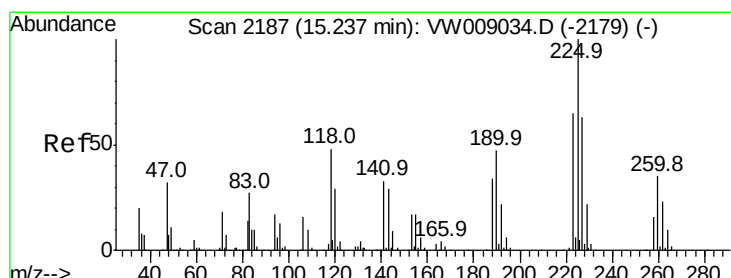
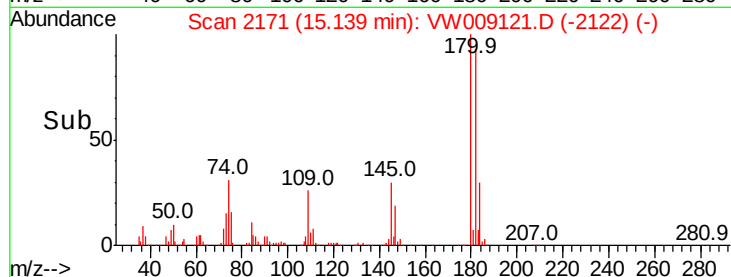
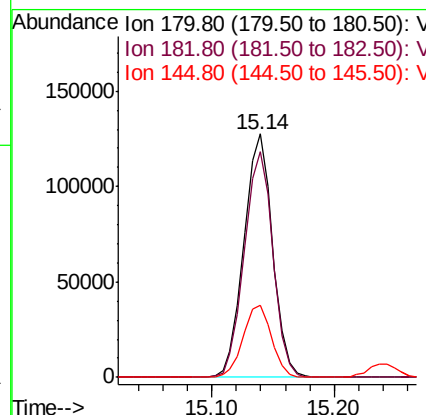
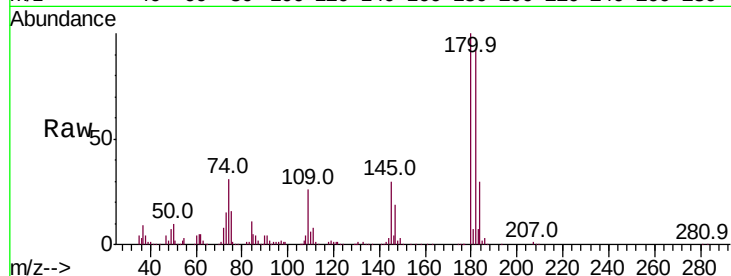
#93
 1,2,4-Trichlorobenzene
 Concen: 46.815 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW009121.D
 Acq: 12 Mar 2019 11:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	206330		
182	93.0	48.1	144.3	
145	29.4	15.4	46.1	

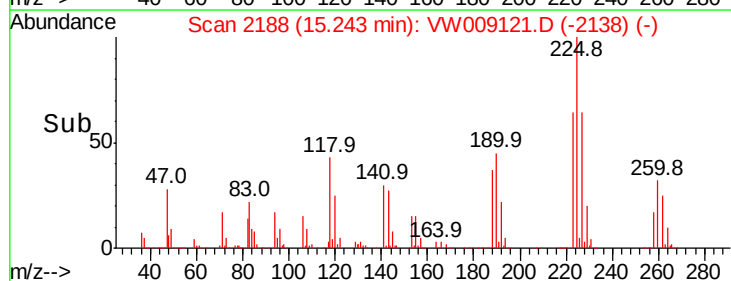
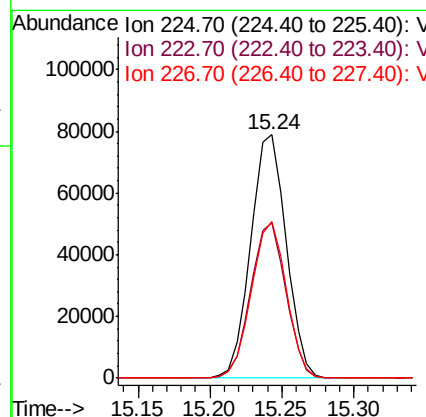
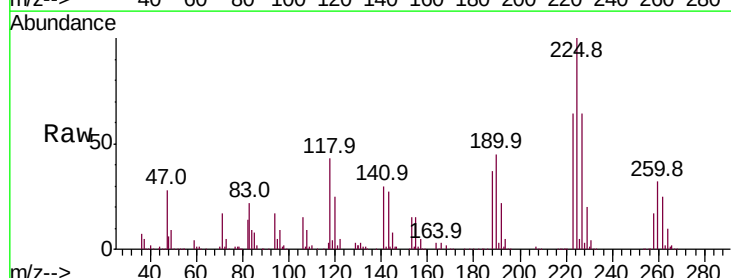
Manual Integrations
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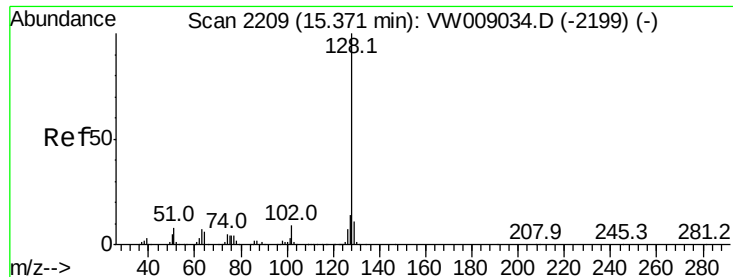
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 48.663 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.01 min
 Lab File: VW009121.D
 Acq: 12 Mar 2019 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	134338		
223	63.3	31.6	94.8	
227	63.3	32.0	96.2	





#95

Naphthalene

Concen: 45.446 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW009121.D

Acq: 12 Mar 2019 11:30

Instrument :

MSVOA_W

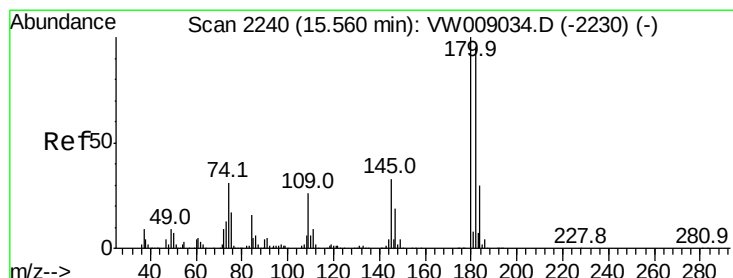
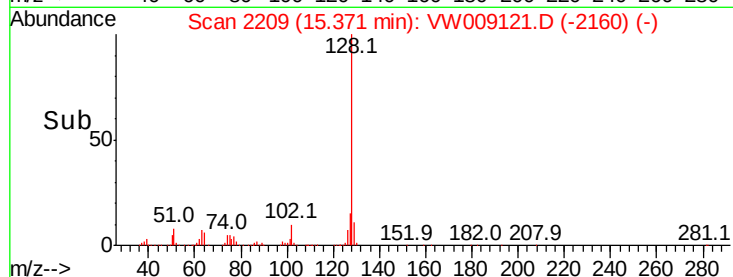
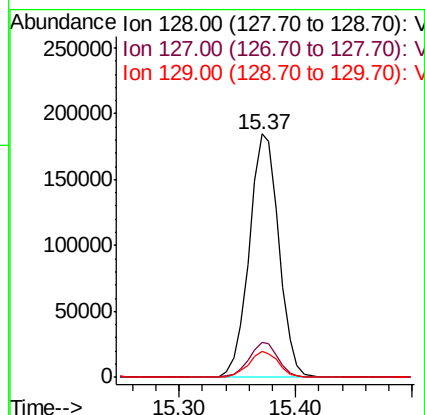
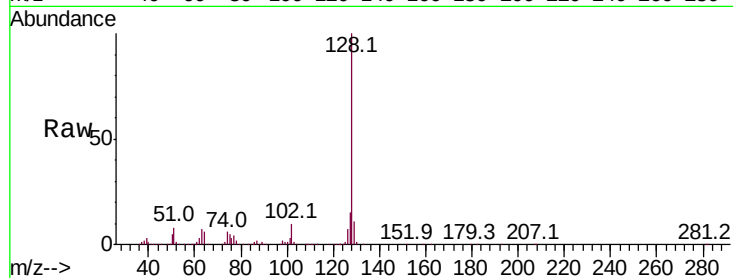
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	327871
Ion Ratio	Lower	Upper	
128	100		
127	14.1	11.0	16.6
129	10.6	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
3/14/2019 3:12:12 PM



#96

1,2,3-Trichlorobenzene

Concen: 45.262 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW009121.D

Acq: 12 Mar 2019 11:30

Tgt Ion:	180	Resp:	175410
Ion Ratio	Lower	Upper	
180	100		
182	96.3	48.1	144.3
145	32.4	15.8	47.3

