

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031219\
 Data File : VW009134.D
 Acq On : 13 Mar 2019 03:36
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/14/2019 3:12:37 PM

Quant Time: Mar 13 07:06:52 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	234642	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	358974	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	353015	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	197651	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	134520	56.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.96%	
35) Dibromofluoromethane	7.88	113	111428	51.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.10%	
50) Toluene-d8	10.32	98	471311	53.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.18%	
62) 4-Bromofluorobenzene	12.62	95	183529	52.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	96704	40.894	ug/l	96
3) Chloromethane	2.21	50	149038	49.612	ug/l	99
4) Vinyl Chloride	2.35	62	139081	45.621	ug/l	100
5) Bromomethane	2.77	94	152807	59.379	ug/l	100
6) Chloroethane	2.92	64	112027	51.617	ug/l	98
7) Trichlorofluoromethane	3.26	101	177470	45.212	ug/l	96
8) Diethyl Ether	3.68	74	64641	53.858	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	109000	44.586	ug/l	100
10) Methyl Iodide	4.27	142	120101	45.590	ug/l	99
11) Tert butyl alcohol	5.21	59	47315	261.549	ug/l #	90
12) 1,1-Dichloroethene	4.04	96	96642	45.828	ug/l	97
13) Acrolein	3.90	56	47739	239.814	ug/l	97
14) Allyl chloride	4.67	41	183245	49.262	ug/l	98
15) Acrylonitrile	5.37	53	152256	290.656	ug/l	99
16) Acetone	4.14	43	130851	245.629	ug/l	97
17) Carbon Disulfide	4.38	76	323376	45.576	ug/l	98
18) Methyl Acetate	4.67	43	72560	59.233	ug/l	95
19) Methyl tert-butyl Ether	5.42	73	312423	56.005	ug/l	99
20) Methylene Chloride	4.92	84	135540	54.584	ug/l	96
21) trans-1,2-Dichloroethene	5.43	96	119973	49.271	ug/l	96
22) Diisopropyl ether	6.31	45	411211	55.627	ug/l	99
23) Vinyl Acetate	6.26	43	1261348	274.197	ug/l	99
24) 1,1-Dichloroethane	6.21	63	222862	51.977	ug/l	97
25) 2-Butanone	7.17	43	200327	272.099	ug/l	94
26) 2,2-Dichloropropane	7.17	77	169594	43.515	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	132632	50.717	ug/l	99
28) Bromochloromethane	7.51	49	101944	57.161	ug/l	96
29) Tetrahydrofuran	7.53	42	134124	289.090	ug/l	99
30) Chloroform	7.67	83	230130	52.132	ug/l	100
31) Cyclohexane	7.95	56	186809	42.432	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	200105	49.120	ug/l	100
36) 1,1-Dichloropropene	8.08	75	168505	44.893	ug/l	99
37) Ethyl Acetate	7.25	43	91310	51.791	ug/l	100
38) Carbon Tetrachloride	8.07	117	174825	45.100	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	199199	44.557	ug/l	97
40) Benzene	8.32	78	494470	49.349	ug/l	98
41) Methacrylonitrile	7.48	41	57625	58.858	ug/l #	84
42) 1,2-Dichloroethane	8.40	62	167682	51.837	ug/l	99
43) Isopropyl Acetate	8.42	43	182074	55.449	ug/l	97
44) Trichloroethene	9.09	130	130397	46.433	ug/l	99
45) 1,2-Dichloropropane	9.37	63	128731	51.297	ug/l	100
46) Dibromomethane	9.46	93	71334	52.048	ug/l	100
47) Bromodichloromethane	9.64	83	177749	51.234	ug/l	99
48) Methyl methacrylate	9.43	41	85206	55.727	ug/l	91
49) 1,4-Dioxane	9.46	88	22772	1160.305	ug/l #	79
51) 4-Methyl-2-Pentanone	10.21	43	485448	291.210	ug/l	100
52) Toluene	10.38	92	346847	51.042	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	177831	51.826	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	197005	49.962	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	98178	52.852	ug/l	97
56) Ethyl methacrylate	10.65	69	134293	58.250	ug/l	98
57) 1,3-Dichloropropane	10.93	76	176038	53.495	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	331802	277.620	ug/l	100
59) 2-Hexanone	10.97	43	342461	292.191	ug/l	99
60) Dibromochloromethane	11.13	129	122498	53.286	ug/l	99
61) 1,2-Dibromoethane	11.23	107	95372	52.371	ug/l	100
64) Tetrachloroethene	10.86	164	132467	52.034	ug/l	96
65) Chlorobenzene	11.66	112	385309	50.146	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	132166	51.515	ug/l	99
67) Ethyl Benzene	11.73	91	697004	50.212	ug/l	99
68) m/p-Xylenes	11.84	106	544798	99.432	ug/l	100
69) o-Xylene	12.16	106	257343	50.479	ug/l	100
70) Styrene	12.18	104	430563	52.200	ug/l	100
71) Bromoform	12.35	173	76061	55.214	ug/l #	97
73) Isopropylbenzene	12.47	105	703800	49.724	ug/l	100
74) N-amyl acetate	12.27	43	192798	57.540	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	121923	54.609	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	88935m	56.951	ug/l	
77) Bromobenzene	12.75	156	166435	51.464	ug/l	97
78) n-propylbenzene	12.80	91	859452	49.297	ug/l	100
79) 2-Chlorotoluene	12.90	91	499907	51.035	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	612176	50.176	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	36378	52.105	ug/l	99
82) 4-Chlorotoluene	12.99	91	524440	50.227	ug/l	100
83) tert-Butylbenzene	13.21	119	546964	53.156	ug/l	96
84) 1,2,4-Trimethylbenzene	13.26	105	628292	50.907	ug/l	100
85) sec-Butylbenzene	13.38	105	752373	49.350	ug/l	100
86) p-Isopropyltoluene	13.50	119	667211	48.922	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	339935	50.016	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	336162	50.049	ug/l	100
89) n-Butylbenzene	13.83	91	627399	48.390	ug/l	99
90) Hexachloroethane	14.10	117	121658	51.721	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	311293	51.912	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	23894	60.088	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	201497	49.756	ug/l	99
94) Hexachlorobutadiene	15.24	225	121595	47.936	ug/l	99
95) Naphthalene	15.37	128	381510	57.551	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	185262	52.025	ug/l	98

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

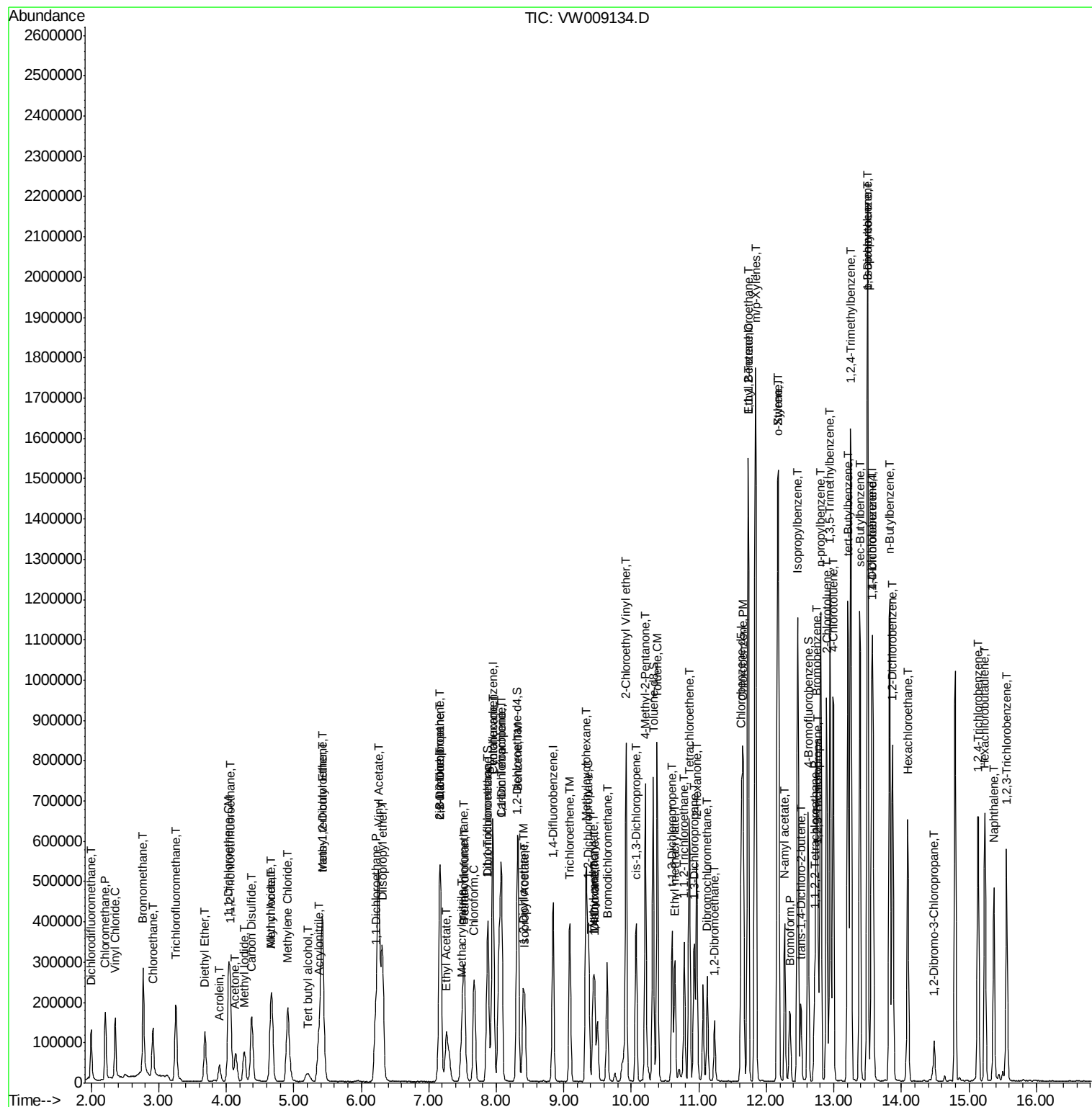
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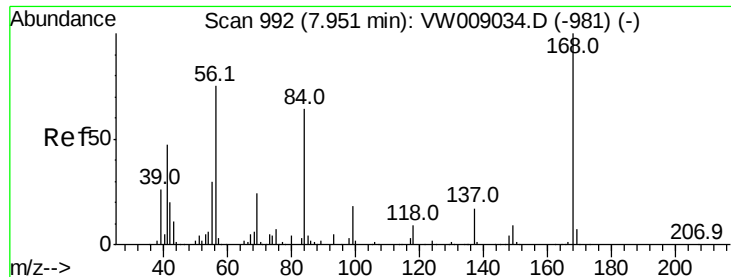
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW009134.D

Acq: 13 Mar 2019 03:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 234642

Ion Ratio Lower Upper

168 100

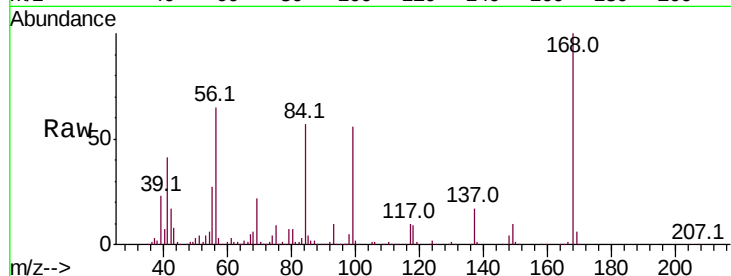
99 56.4 42.2 63.2

Manual Integrations

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3/14/2019 3:12:37 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

60000

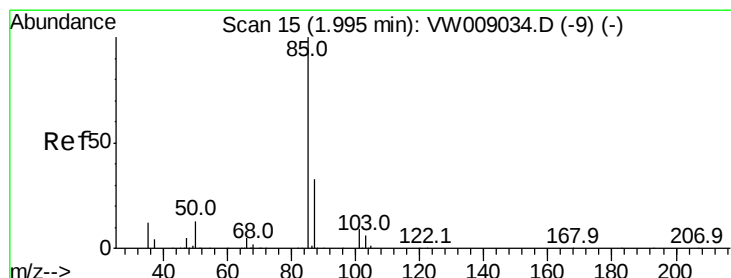
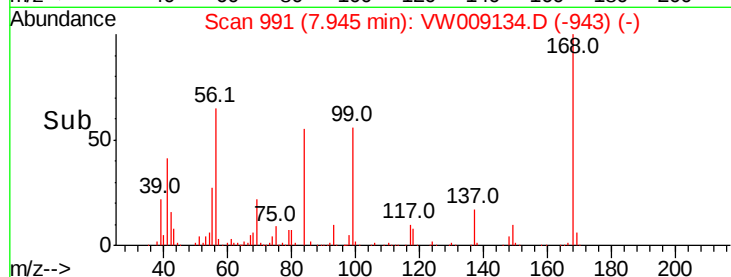
40000

20000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 40.894 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.01 min

Lab File: VW009134.D

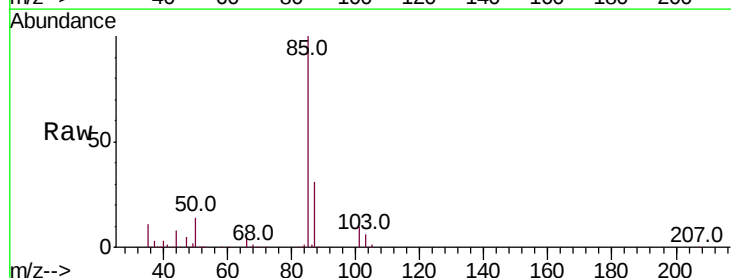
Acq: 13 Mar 2019 03:36

Tgt Ion: 85 Resp: 96704

Ion Ratio Lower Upper

85 100

87 30.6 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

60000

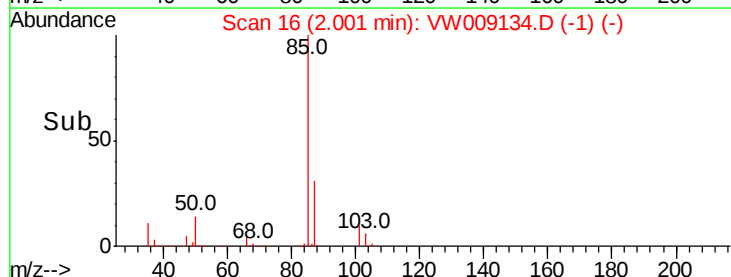
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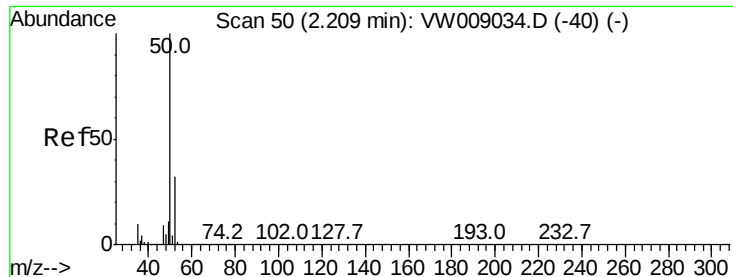
20000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 49.612 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW009134.D

Acq: 13 Mar 2019 03:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 149038

Ion Ratio Lower Upper

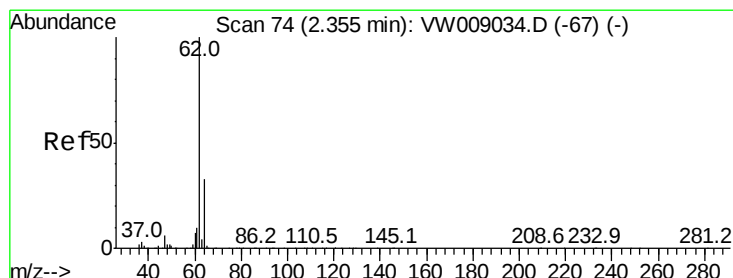
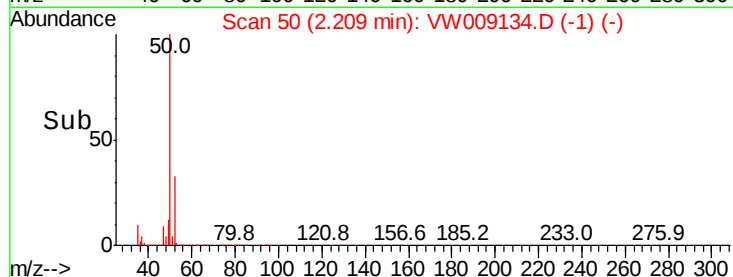
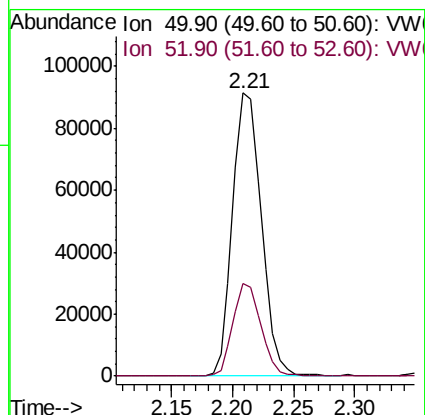
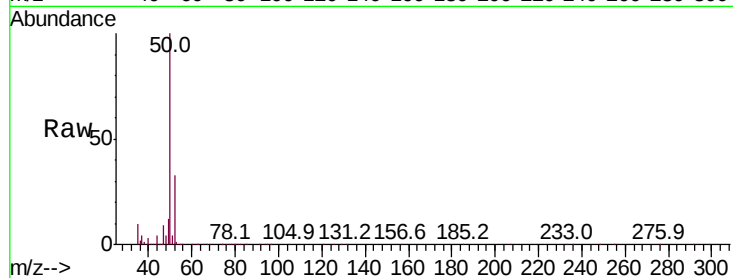
50 100

52 32.6 25.4 38.2

Manual Integrations
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#4

Vinyl Chloride

Concen: 45.621 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW009134.D

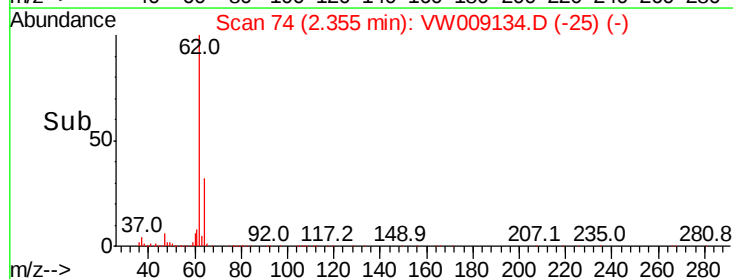
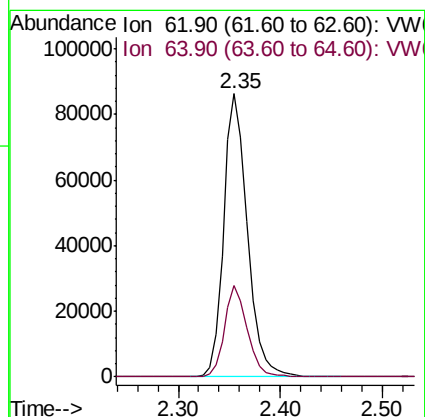
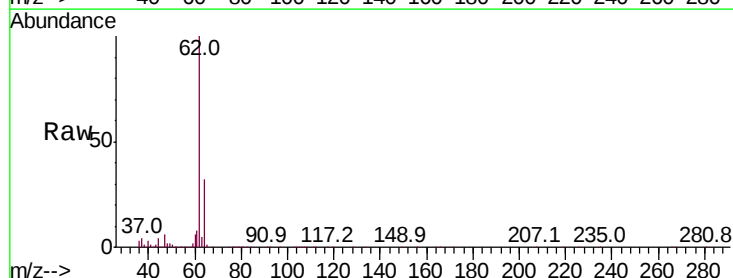
Acq: 13 Mar 2019 03:36

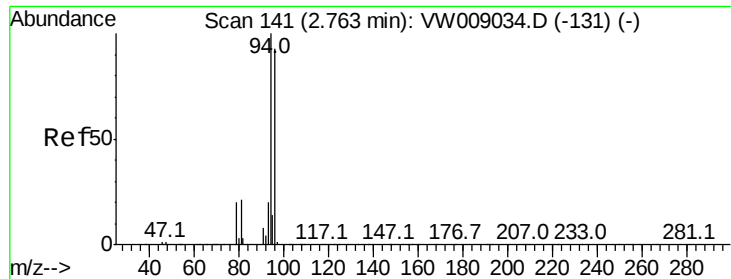
Tgt Ion: 62 Resp: 139081

Ion Ratio Lower Upper

62 100

64 32.3 26.0 39.0





#5

Bromomethane

Concen: 59.379 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.01 min

Lab File: VW009134.D

Acq: 13 Mar 2019 03:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 152807

Ion Ratio Lower Upper

94 100

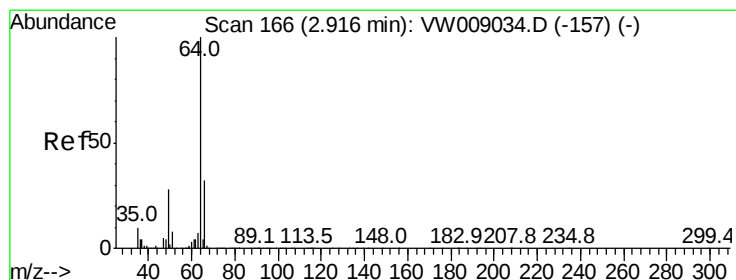
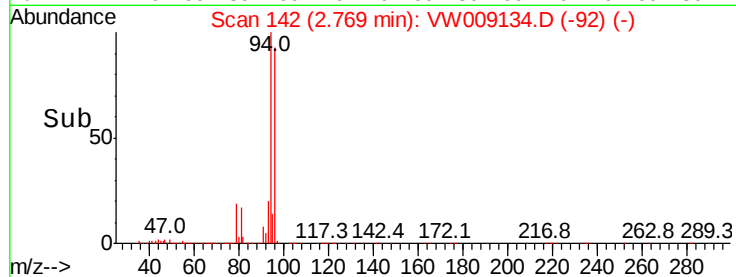
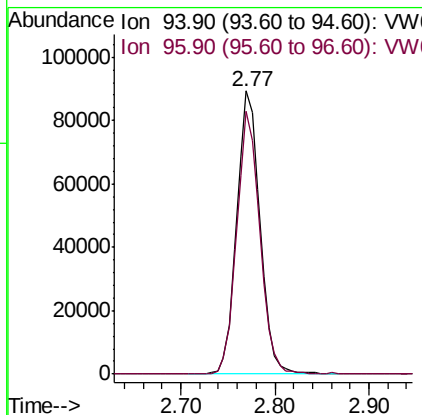
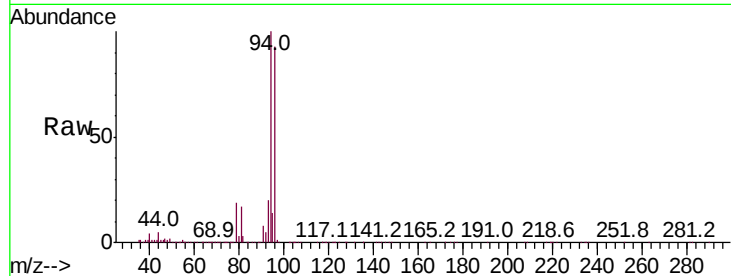
96 92.9 74.4 111.6

Manual Integrations

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#6

Chloroethane

Concen: 51.617 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW009134.D

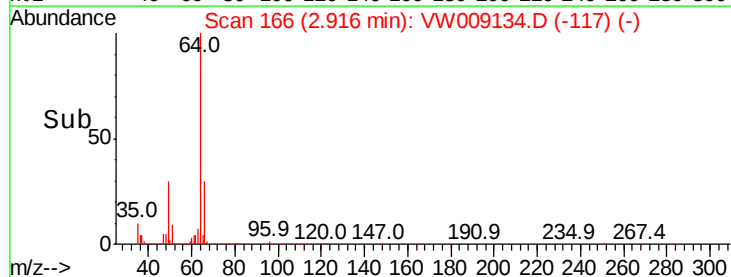
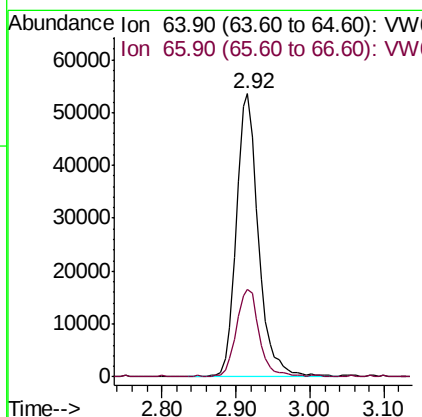
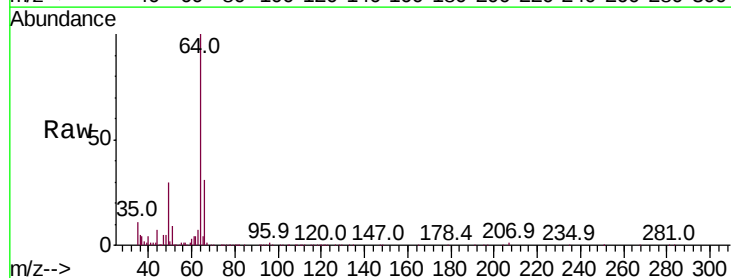
Acq: 13 Mar 2019 03:36

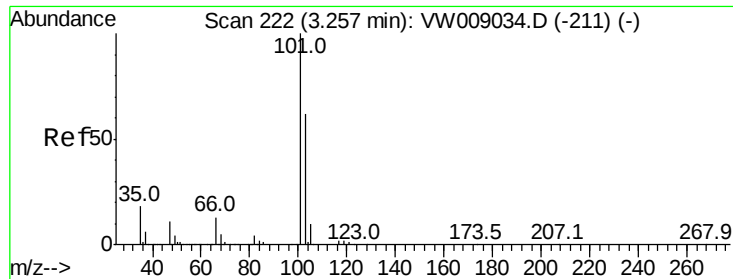
Tgt Ion: 64 Resp: 112027

Ion Ratio Lower Upper

64 100

66 30.7 25.5 38.3





#7

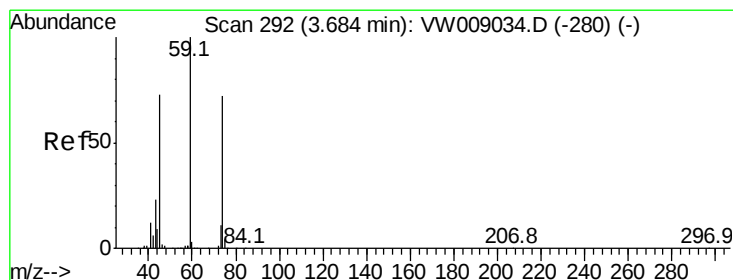
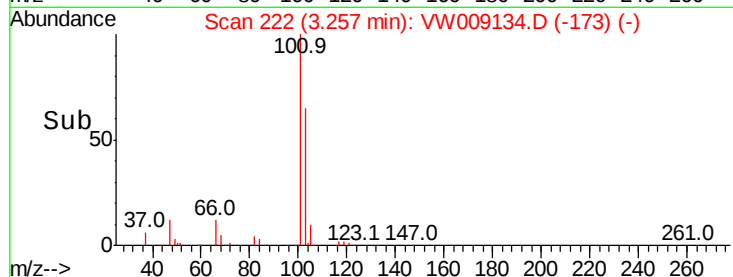
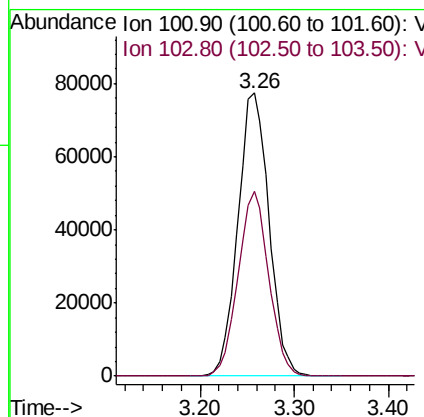
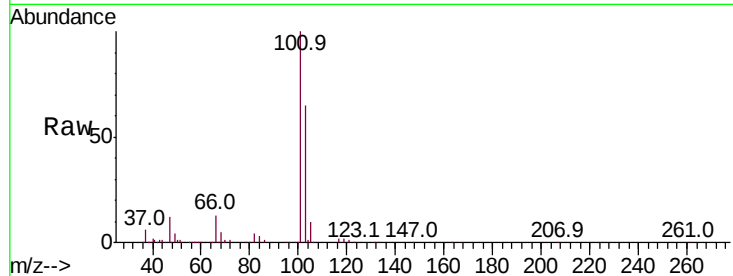
Trichlorofluoromethane
Concen: 45.212 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.00 min
Lab File: VW009134.D
Acq: 13 Mar 2019 03:36

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	49.9	74.9

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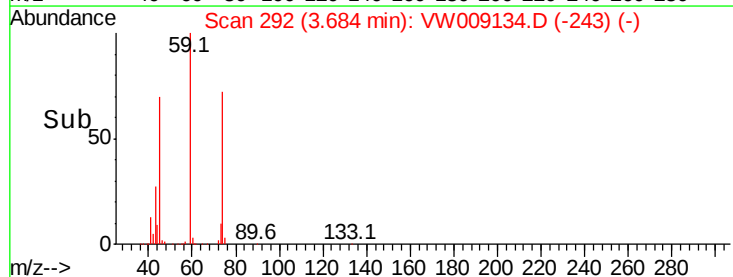
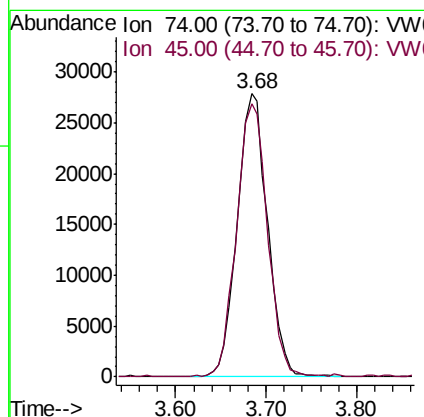
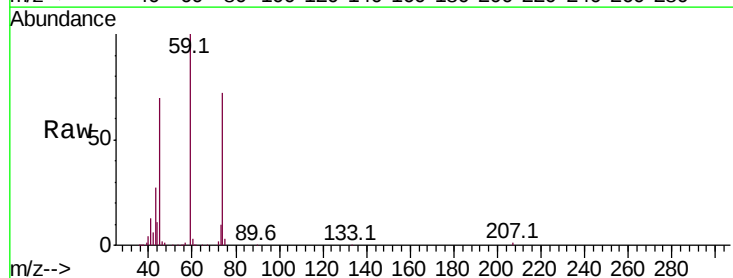
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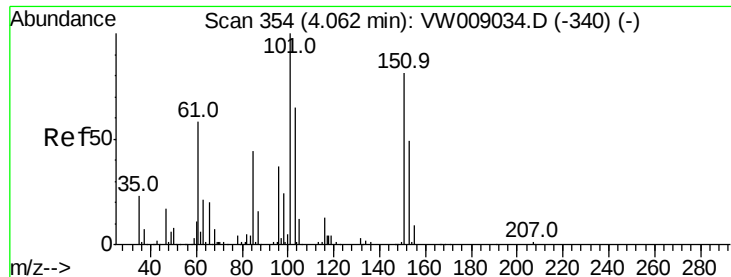


#8

Diethyl Ether
Concen: 53.858 ug/l
RT: 3.68 min Scan# 292
Delta R.T. 0.00 min
Lab File: VW009134.D
Acq: 13 Mar 2019 03:36

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.7	52.3	157.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.586 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW009134.D

Acq: 13 Mar 2019 03:36

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MSVOA_W

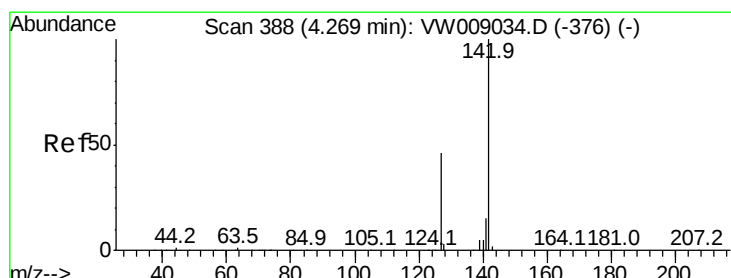
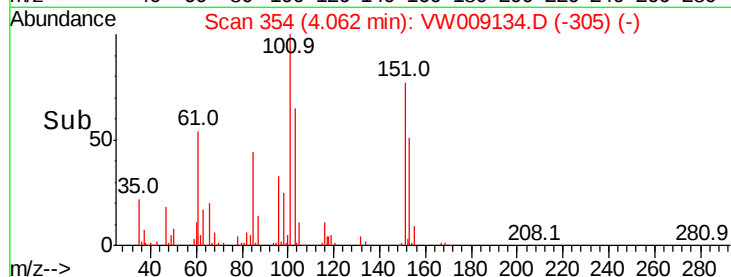
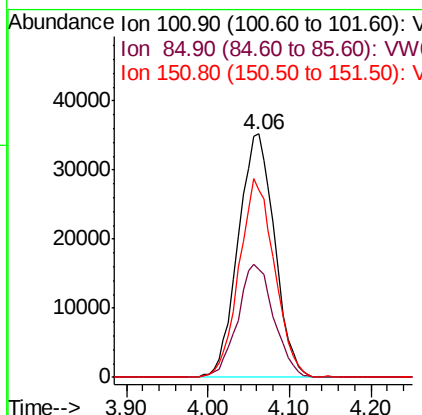
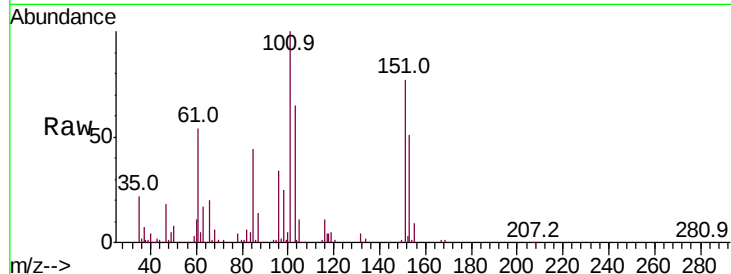
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	109000
Ion Ratio	Lower	Upper	
101	100		
85	46.2	36.2	54.4
151	79.3	63.4	95.2

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#10

Methyl Iodide

Concen: 45.590 ug/l

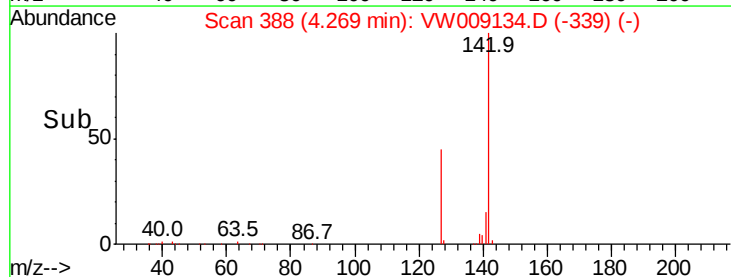
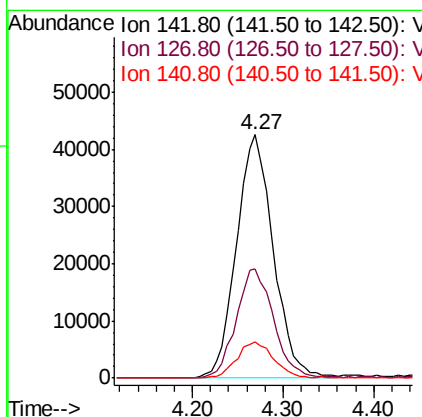
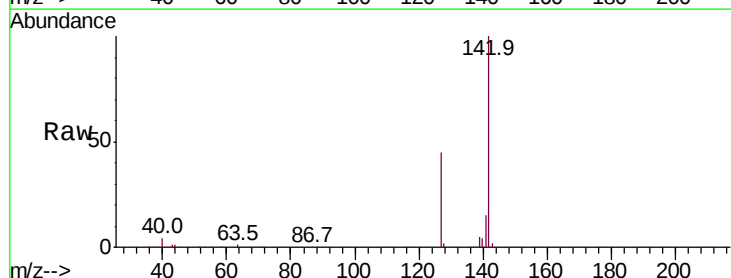
RT: 4.27 min Scan# 388

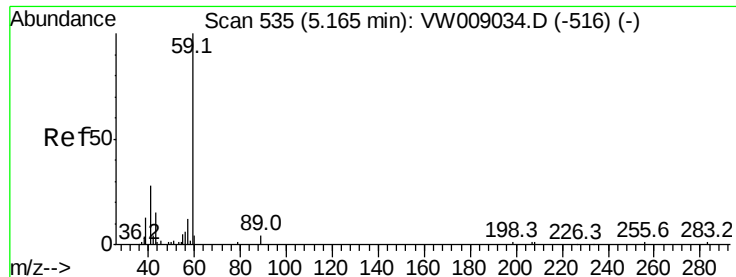
Delta R.T. 0.00 min

Lab File: VW009134.D

Acq: 13 Mar 2019 03:36

Tgt Ion:	142	Resp:	120101
Ion Ratio	Lower	Upper	
142	100		
127	45.2	35.8	53.6
141	15.1	11.8	17.8





#11

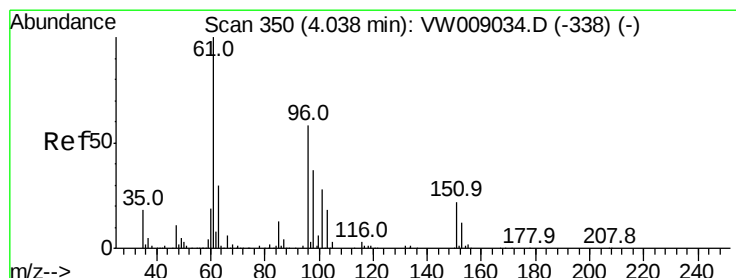
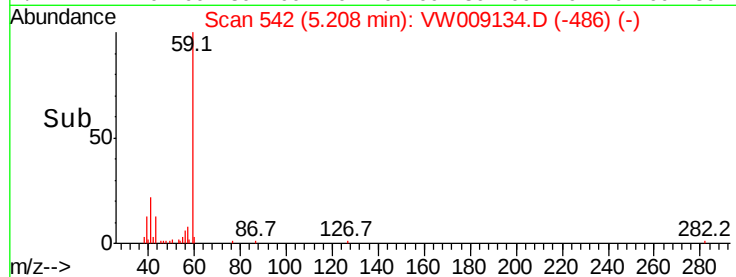
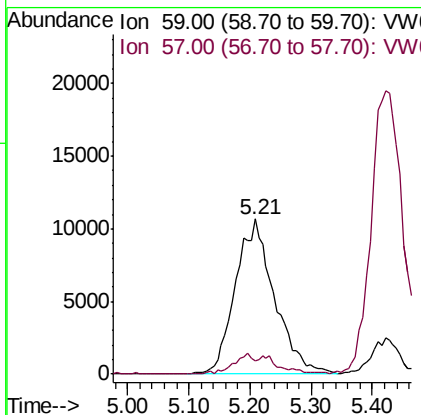
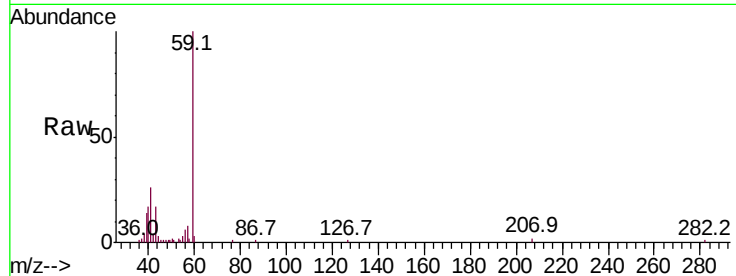
Tert butyl alcohol
 Concen: 261.549 ug/l
 RT: 5.21 min Scan# 542
 Delta R.T. 0.04 min
 Lab File: VW009134.D
 Acq: 13 Mar 2019 03:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.8	8.6	12.8#

Manual Integrations
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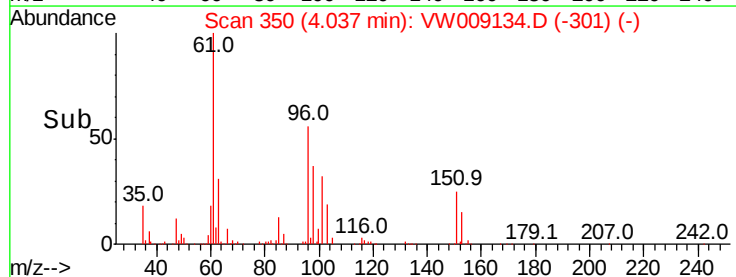
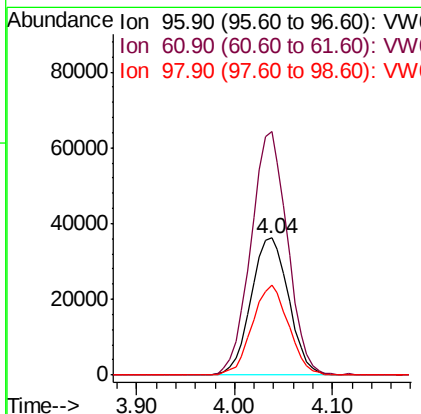
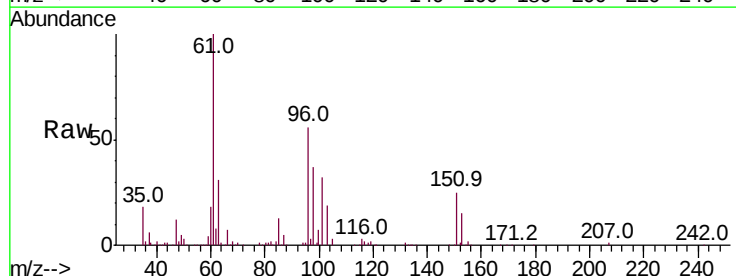
MMDadoda
 3/14/2019 3:12:37 PM

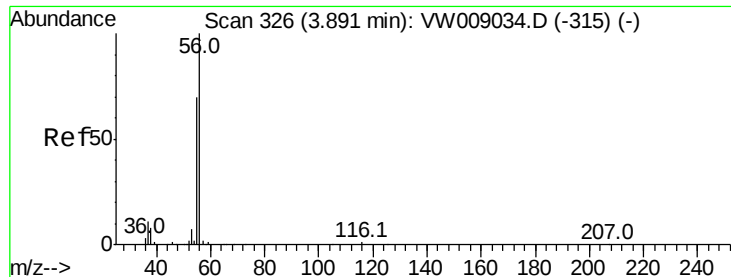


#12

1,1-Dichloroethene
 Concen: 45.828 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW009134.D
 Acq: 13 Mar 2019 03:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	177.5	138.2	207.2
98	65.6	51.3	76.9





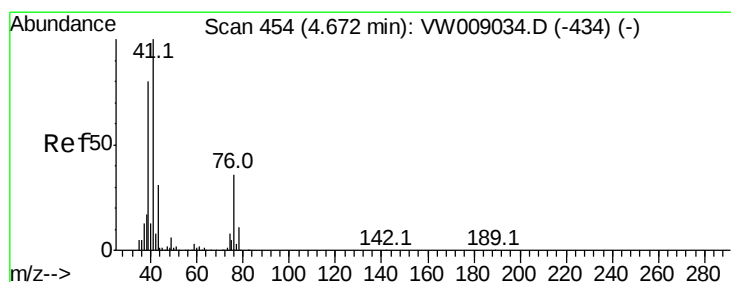
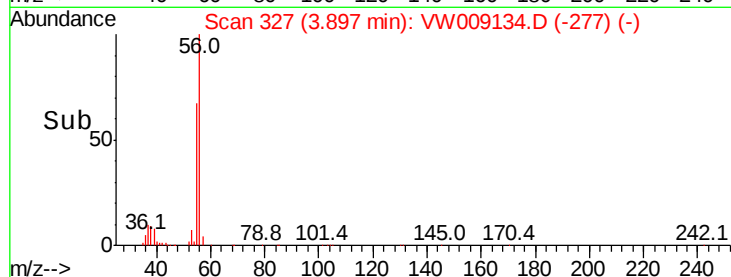
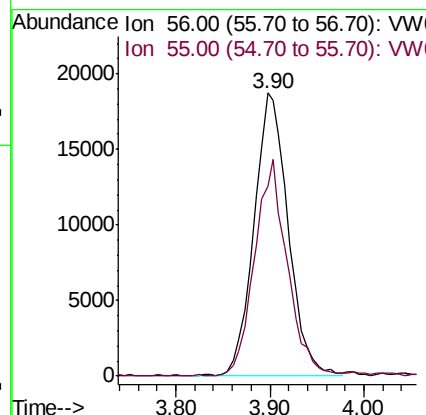
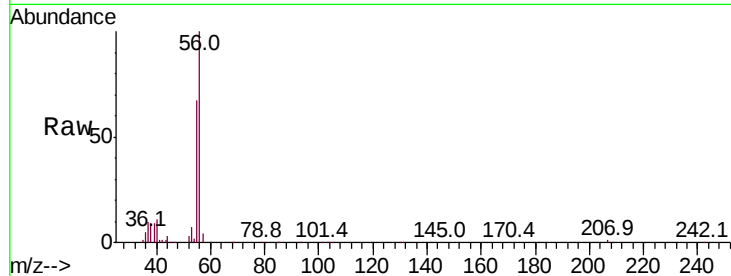
#13
Acrolein
Concen: 239.814 ug/l
RT: 3.90 min Scan# 327
Delta R.T. 0.01 min
Lab File: VW009134.D
Acq: 13 Mar 2019 03:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	73.0	56.6	84.8

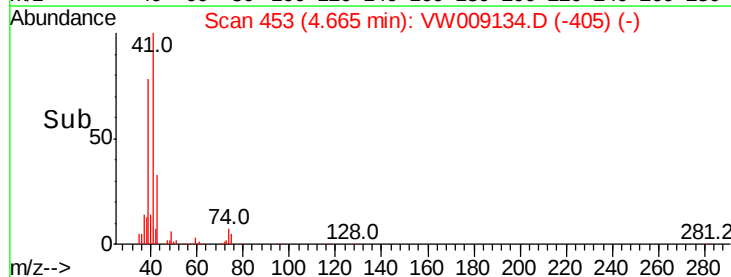
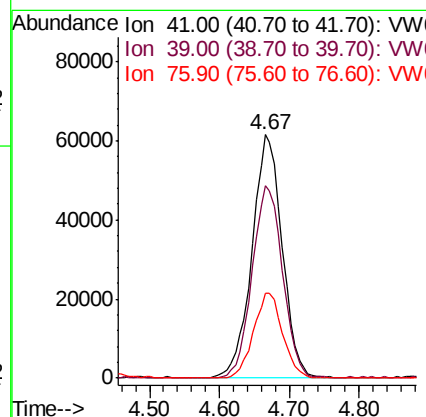
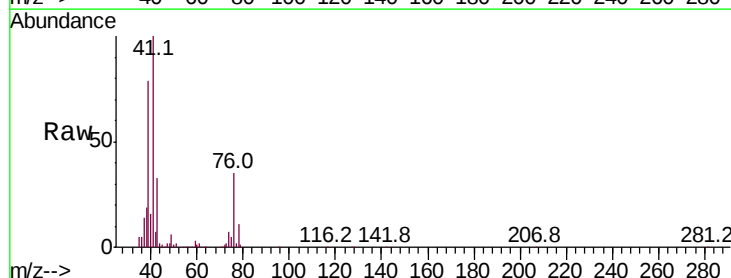
Manual Integrations
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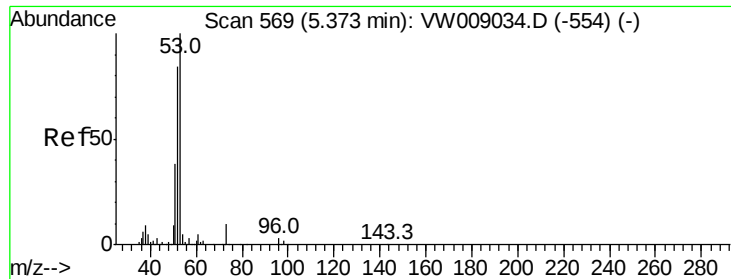
MMDadoda
3/14/2019 3:12:37 PM



#14
Allyl chloride
Concen: 49.262 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW009134.D
Acq: 13 Mar 2019 03:36

Tgt Ion	Ratio	Lower	Upper
41	100		
39	80.0	63.0	94.4
76	33.8	28.2	42.2





#15

Acrylonitrile

Concen: 290.656 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.00 min

Lab File: VW009134.D

Acq: 13 Mar 2019 03:36

Instrument :

MSVOA_W

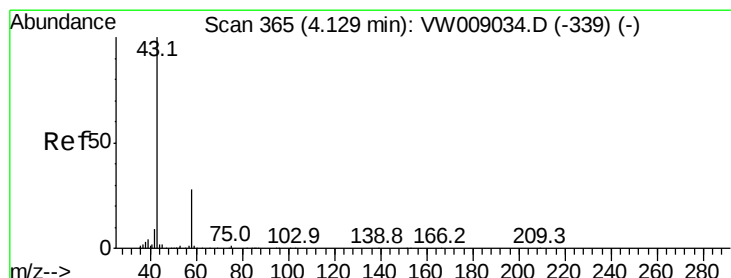
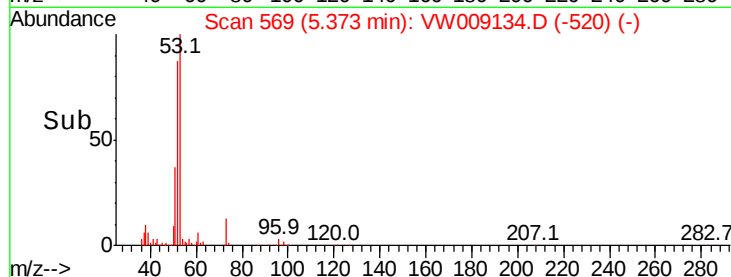
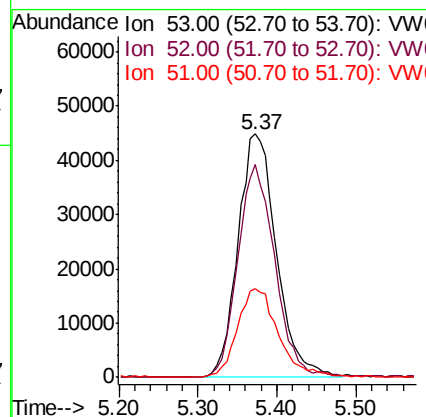
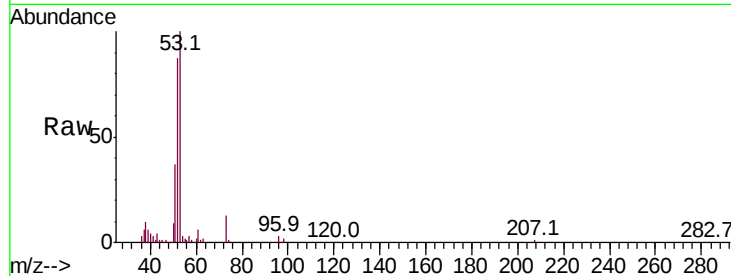
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	152256
Ion	Ratio	Lower	Upper
53	100		
52	84.2	67.2	100.8
51	38.6	31.8	47.6

Manual Integrations
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3/14/2019 3:12:37 PM



#16

Acetone

Concen: 245.629 ug/l

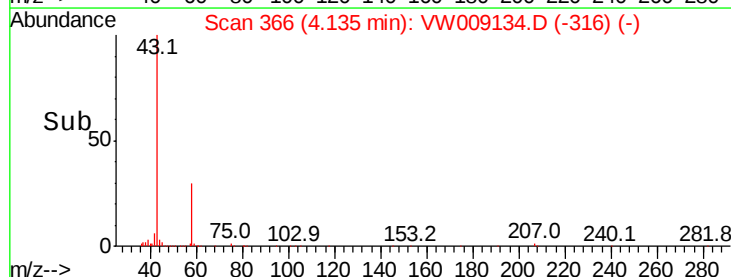
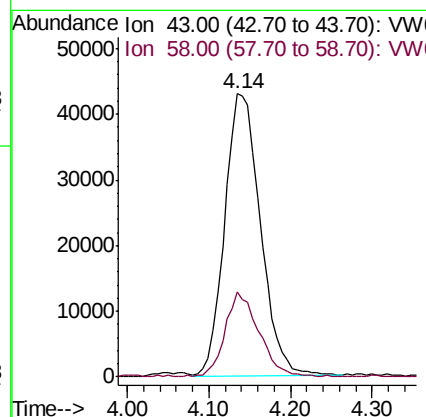
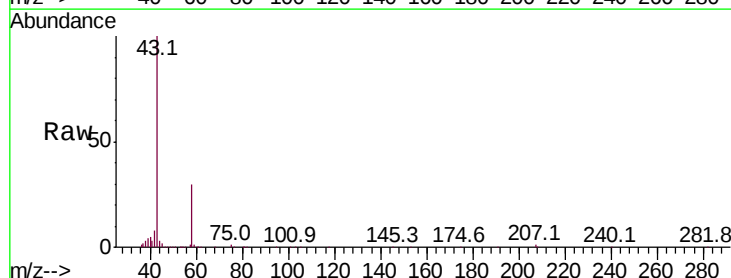
RT: 4.14 min Scan# 366

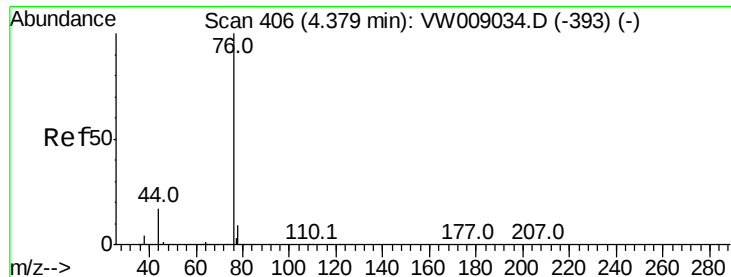
Delta R.T. 0.01 min

Lab File: VW009134.D

Acq: 13 Mar 2019 03:36

Tgt Ion:	43	Resp:	130851
Ion	Ratio	Lower	Upper
43	100		
58	29.9	22.5	33.7





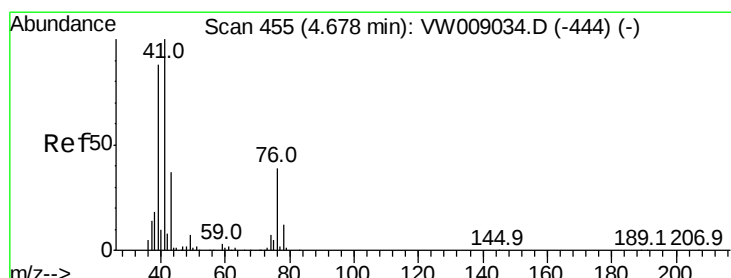
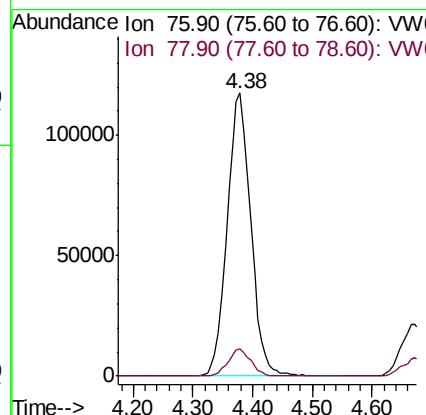
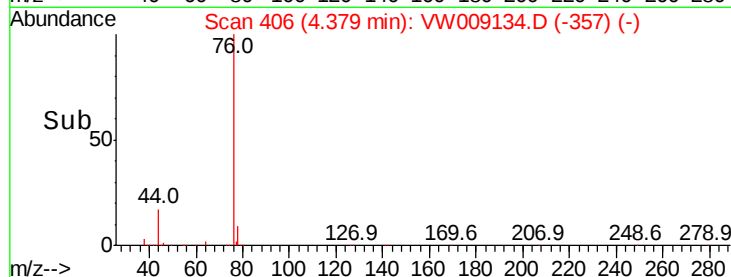
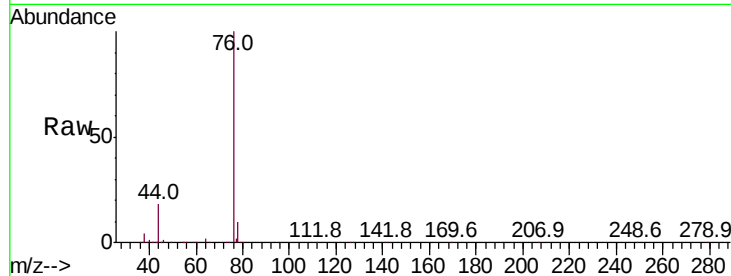
#17
Carbon Disulfide
Concen: 45.576 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW009134.D
Acq: 13 Mar 2019 03:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.0	10.6

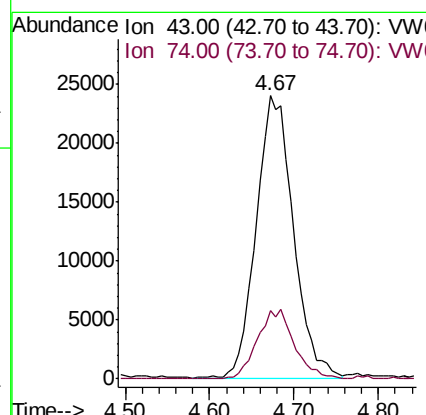
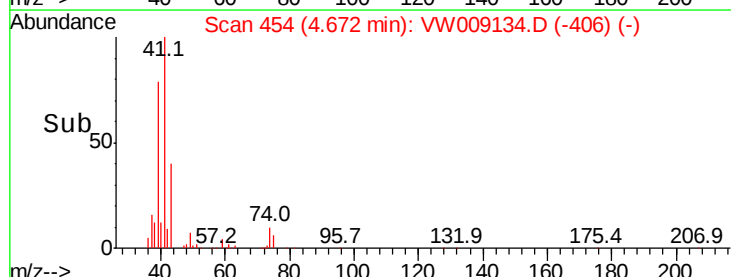
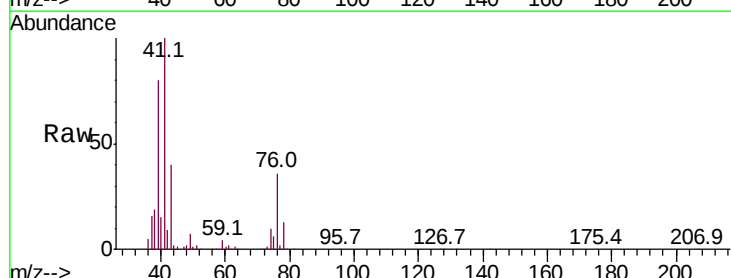
Manual Integrations
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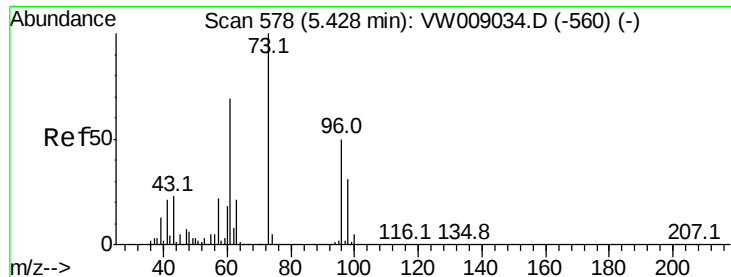
MMDadoda
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#18
Methyl Acetate
Concen: 59.233 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW009134.D
Acq: 13 Mar 2019 03:36

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.4	17.6	26.4





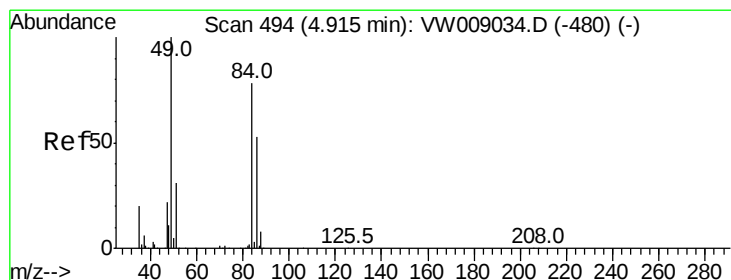
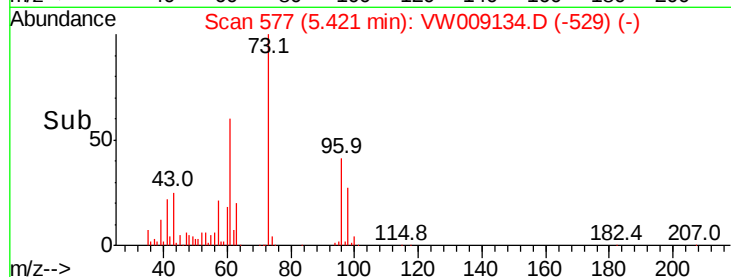
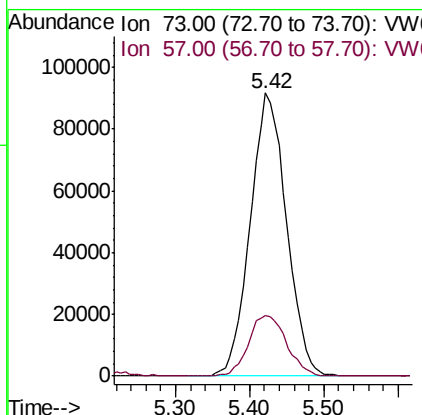
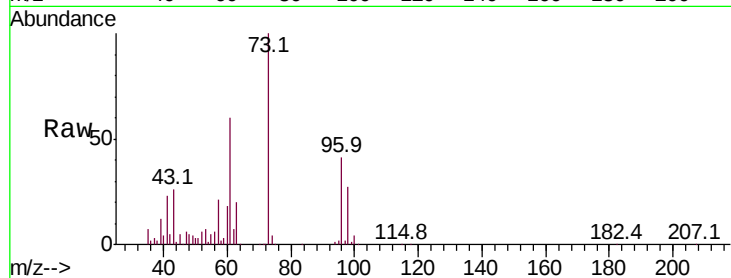
#19
Methvl tert-butvl Ether
Concen: 56.005 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW009134.D
Acq: 13 Mar 2019 03:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 312423
Ion Ratio Lower Upper
73 100
57 21.1 17.3 25.9

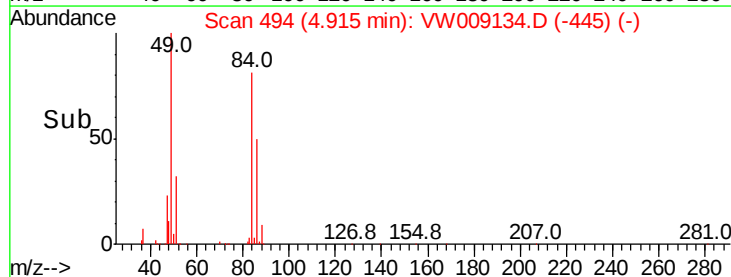
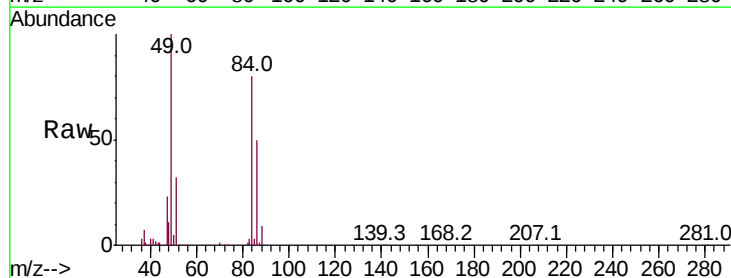
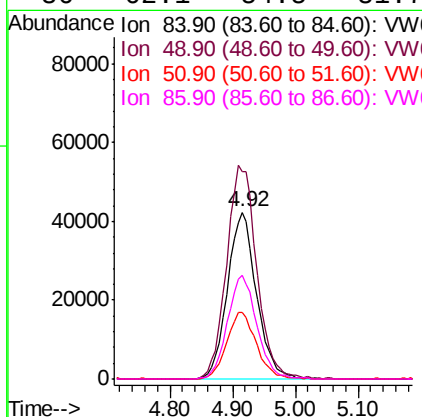
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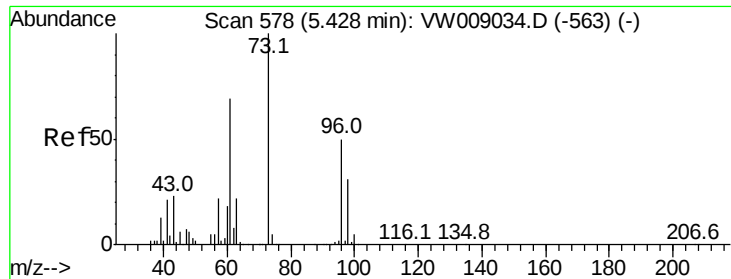
MMDadoda
3/14/2019 3:12:37 PM



#20
Methylene Chloride
Concen: 54.584 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW009134.D
Acq: 13 Mar 2019 03:36

Tgt Ion: 84 Resp: 135540
Ion Ratio Lower Upper
84 100
49 124.3 102.4 153.6
51 40.1 31.6 47.4
86 62.1 54.5 81.7





#21

trans-1,2-Dichloroethene

Concen: 49.271 ug/l

RT: 5.43 min Scan# 578

Delta R.T. -0.00 min

Lab File: VW009134.D

Acq: 13 Mar 2019 03:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 119973

Ion Ratio Lower Upper

96 100

61 133.9 111.0 166.6

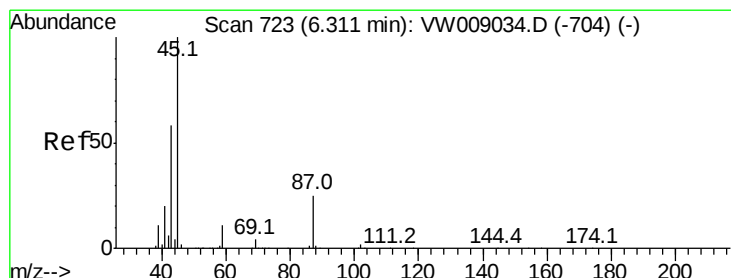
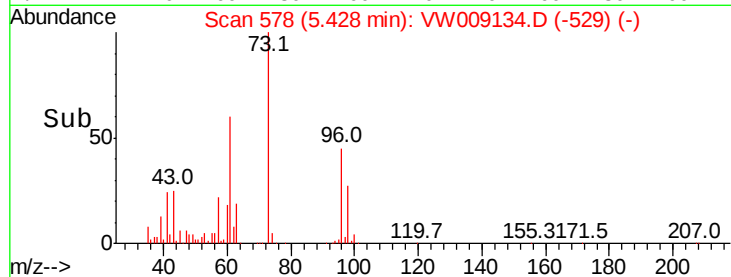
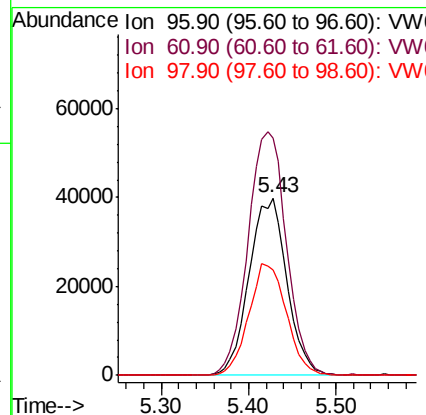
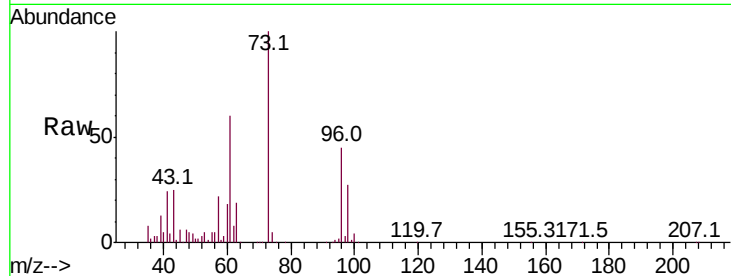
98 59.4 49.4 74.0

Manual Integrations

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3/14/2019 3:12:37 PM



#22

Diisopropyl ether

Concen: 55.627 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW009134.D

Acq: 13 Mar 2019 03:36

Tgt Ion: 45 Resp: 411211

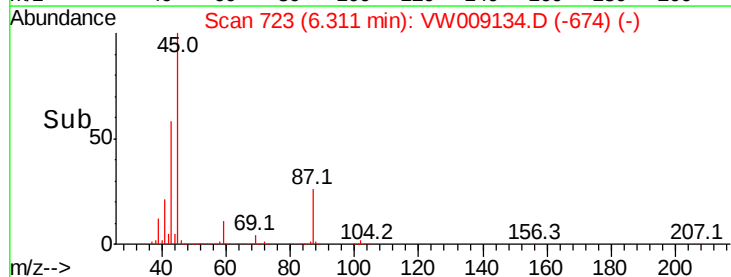
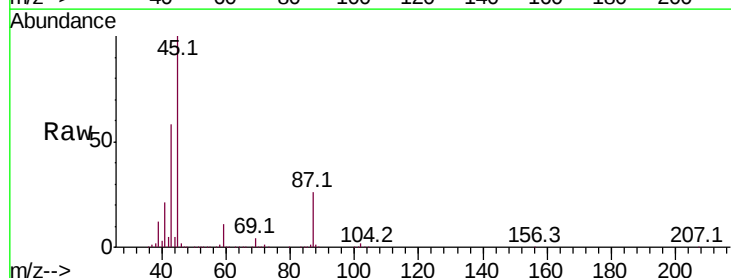
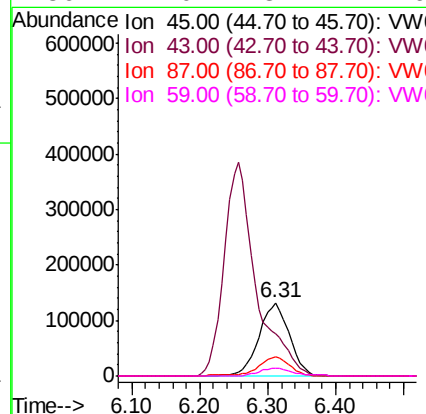
Ion Ratio Lower Upper

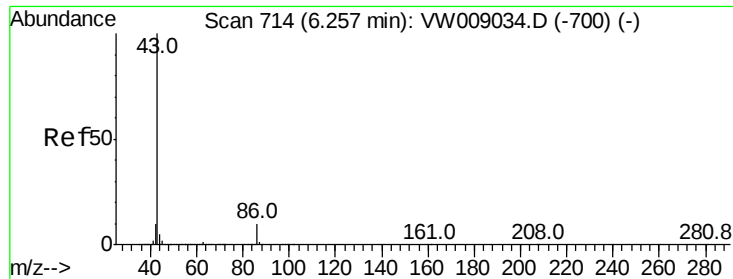
45 100

43 57.9 46.2 69.4

87 26.3 20.1 30.1

59 11.0 8.4 12.6





#23

Vinyl Acetate

Concen: 274.197 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW009134.D

Acq: 13 Mar 2019 03:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1261348

Ion Ratio Lower Upper

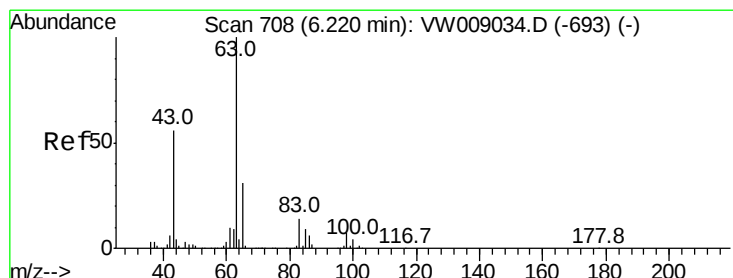
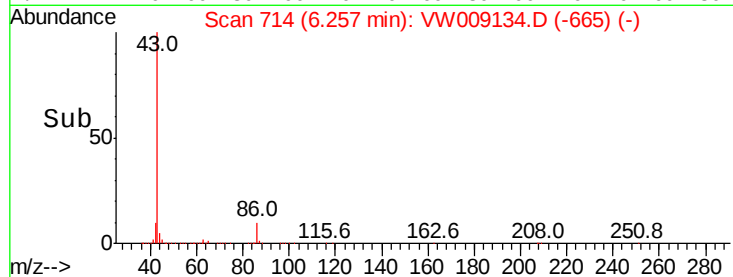
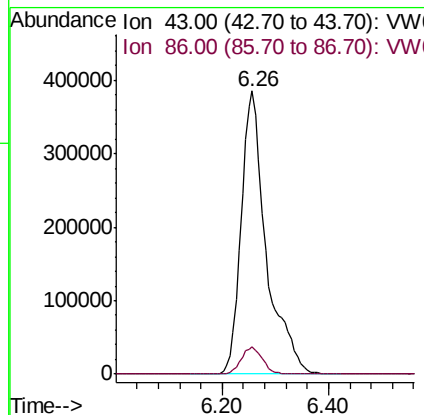
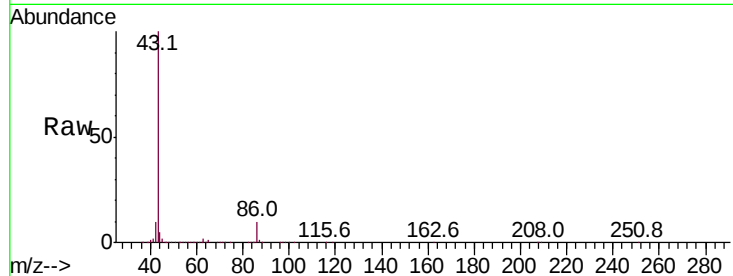
43 100

86 9.9 7.6 11.4

Manual Integrations
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3/14/2019 3:12:37 PM



#24

1,1-Dichloroethane

Concen: 51.977 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW009134.D

Acq: 13 Mar 2019 03:36

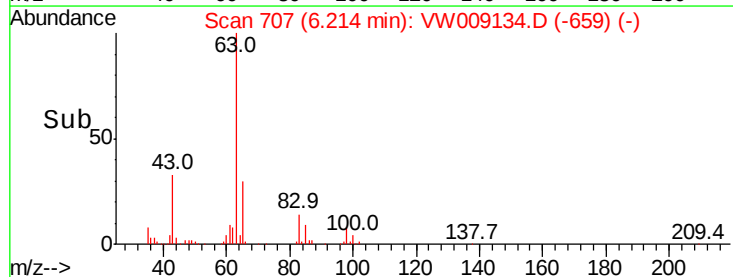
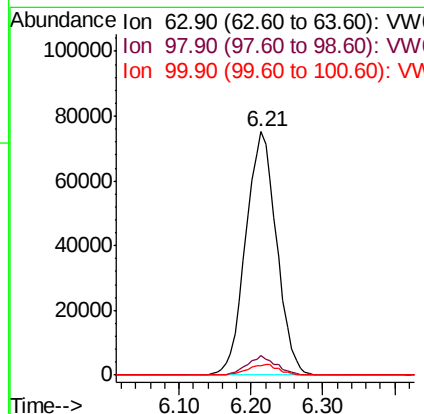
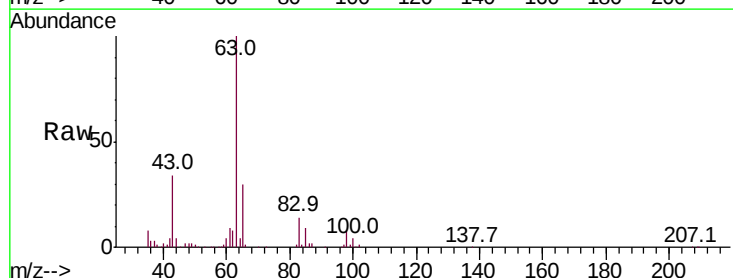
Tgt Ion: 63 Resp: 222862

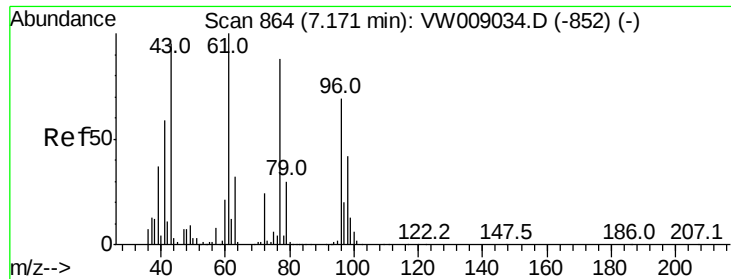
Ion Ratio Lower Upper

63 100

98 8.1 3.4 10.2

100 3.8 2.1 6.2





#25

2-Butanone

Concen: 272.099 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW009134.D

Acq: 13 Mar 2019 03:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 200327

Ion Ratio Lower Upper

43 100

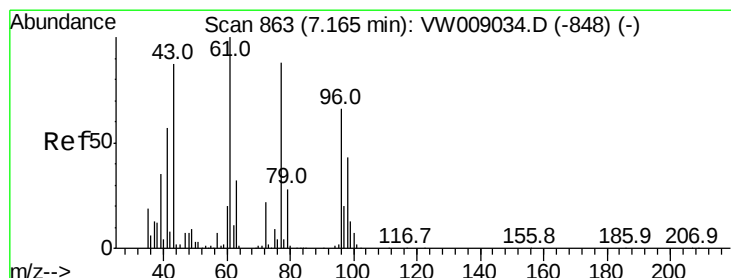
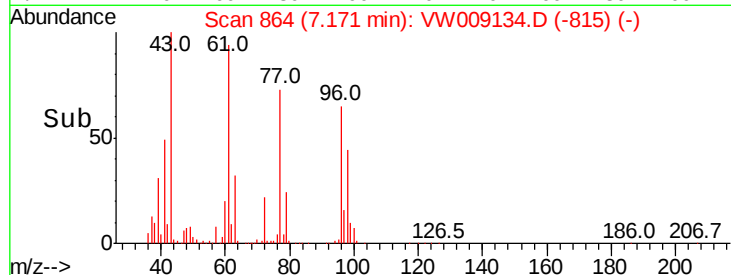
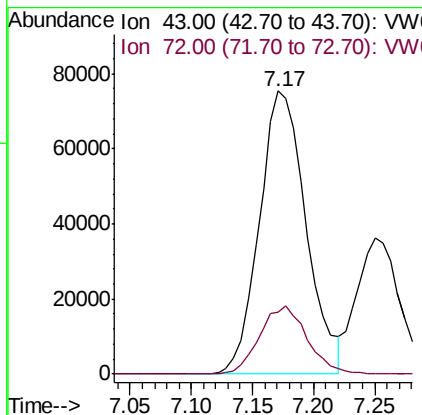
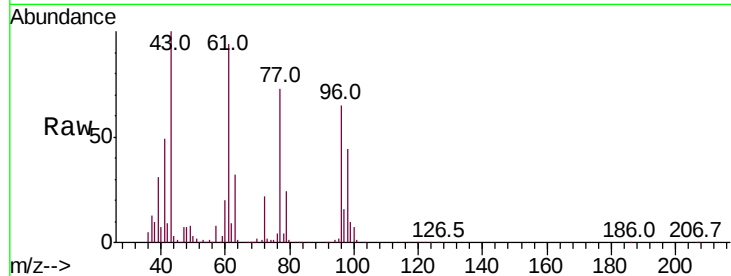
72 21.9 20.0 30.0

Manual Integrations

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MMDadoda

3/14/2019 3:12:37 PM



#26

2,2-Dichloropropane

Concen: 43.515 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW009134.D

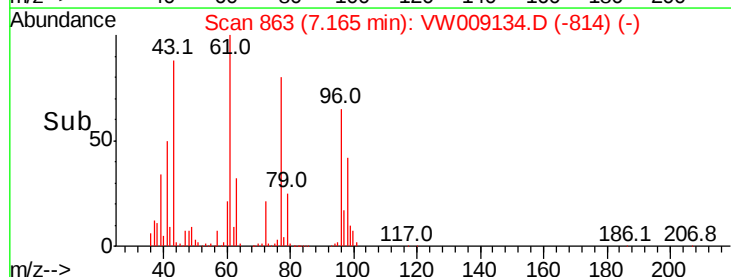
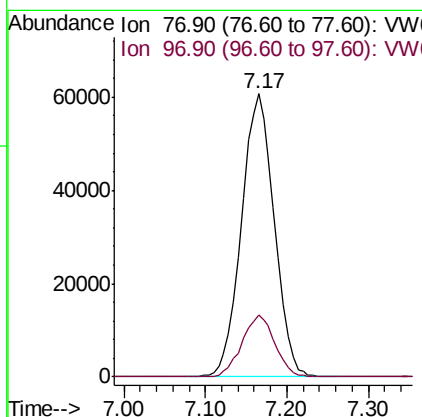
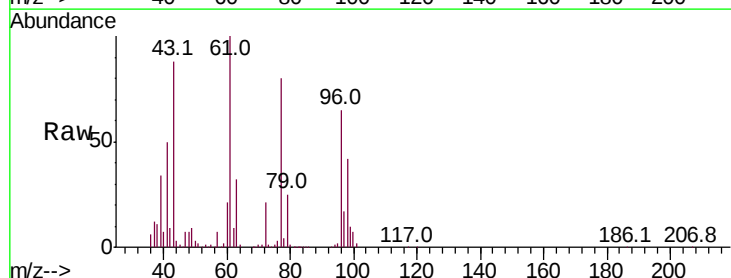
Acq: 13 Mar 2019 03:36

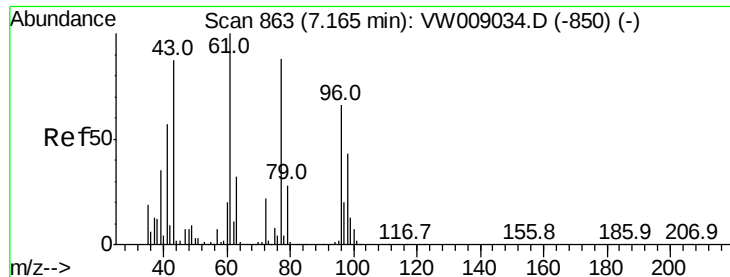
Tgt Ion: 77 Resp: 169594

Ion Ratio Lower Upper

77 100

97 21.9 10.9 32.9





#27

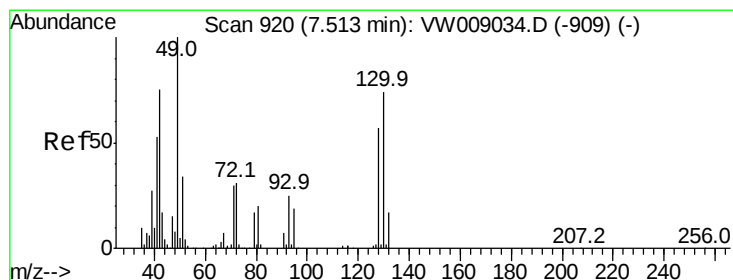
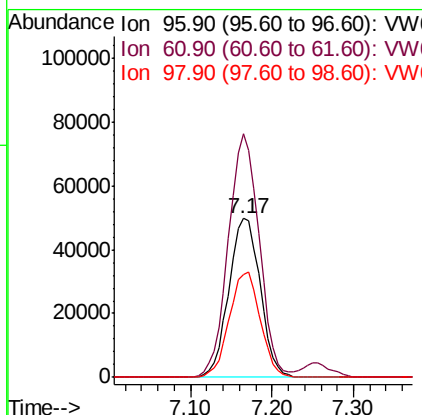
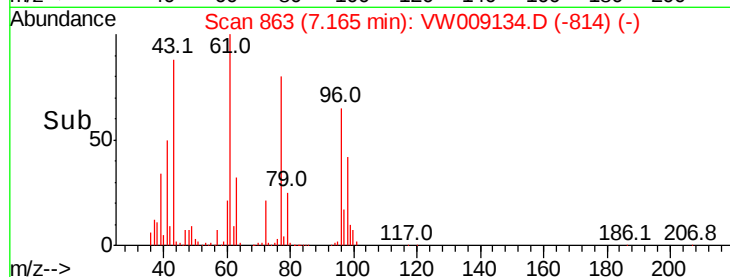
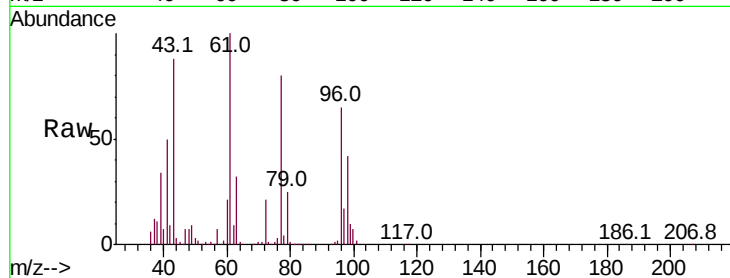
cis-1,2-Dichloroethene
Concen: 50.717 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW009134.D
Acq: 13 Mar 2019 03:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.6	0.0	299.8
98	65.2	0.0	127.2

Manual Integrations
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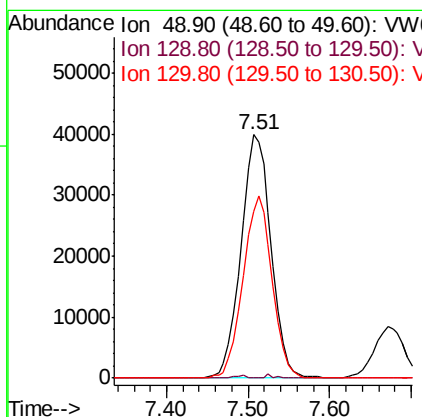
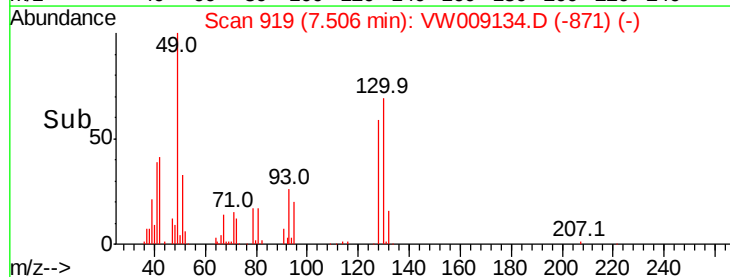
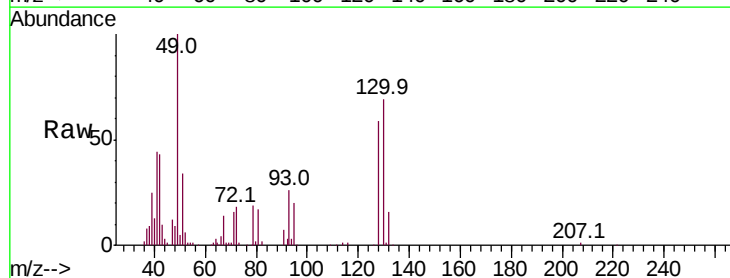
MMDadoda
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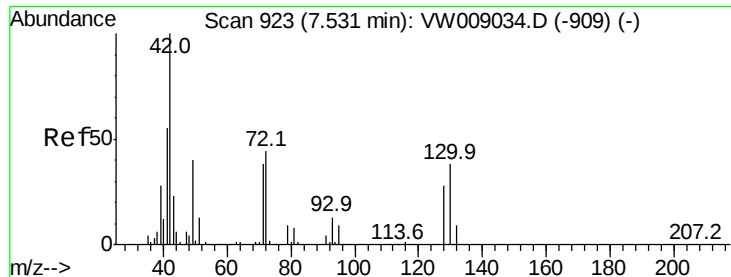


#28

Bromochloromethane
Concen: 57.161 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW009134.D
Acq: 13 Mar 2019 03:36

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	4.6
130	72.4	60.4	90.6





#29

Tetrahydrofuran

Concen: 289.090 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW009134.D

Acq: 13 Mar 2019 03:36

Instrument :

MSVOA_W

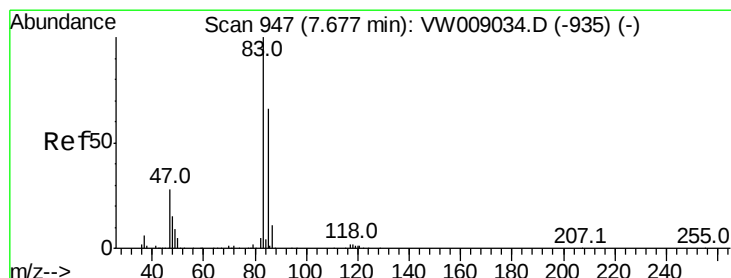
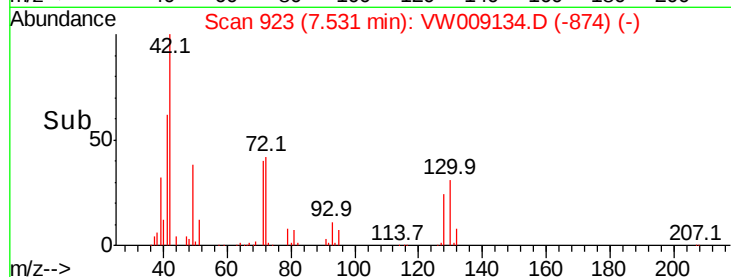
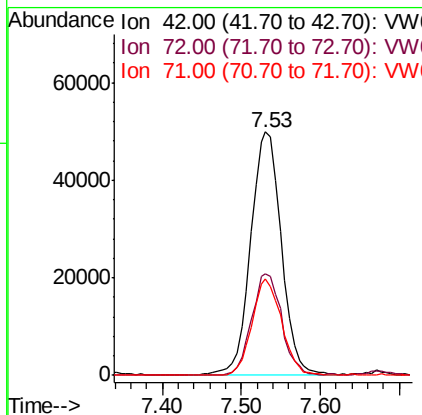
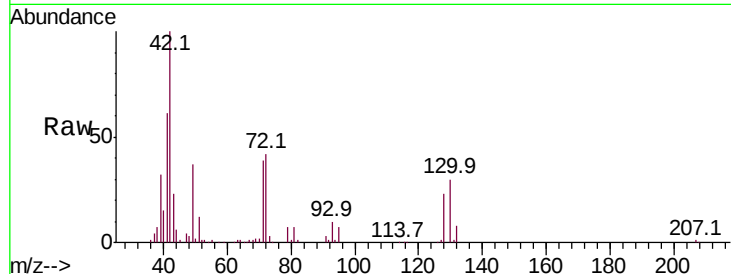
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	134124
Ion Ratio	Lower	Upper	
42	100		
72	41.0	32.2	48.4
71	38.8	30.7	46.1

Manual Integrations
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#30

Chloroform

Concen: 52.132 ug/l

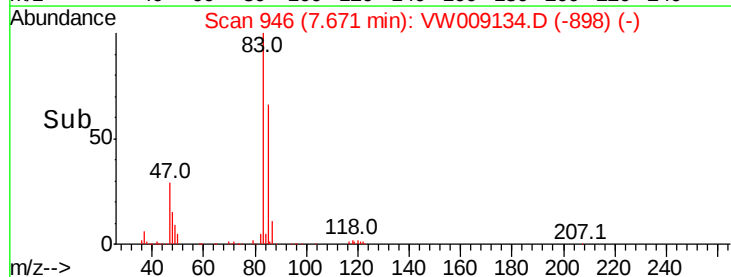
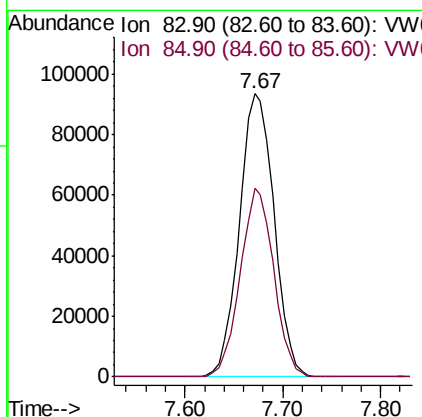
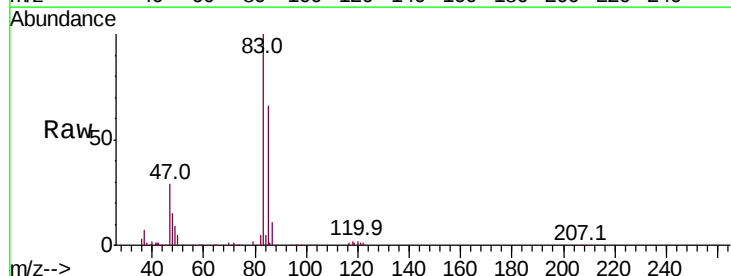
RT: 7.67 min Scan# 946

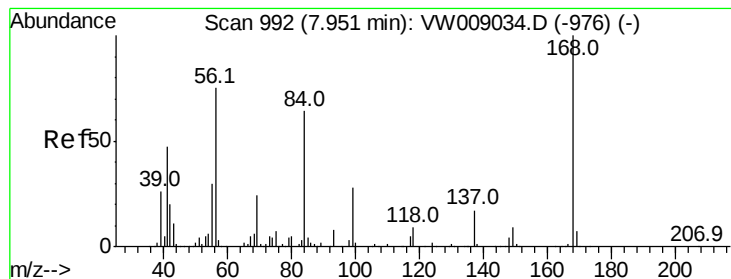
Delta R.T. -0.01 min

Lab File: VW009134.D

Acq: 13 Mar 2019 03:36

Tgt Ion:	83	Resp:	230130
Ion Ratio	Lower	Upper	
83	100		
85	66.5	53.0	79.6





#31

Cyclohexane

Concen: 42.432 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW009134.D

Acq: 13 Mar 2019 03:36

Instrument :

MSVOA_W

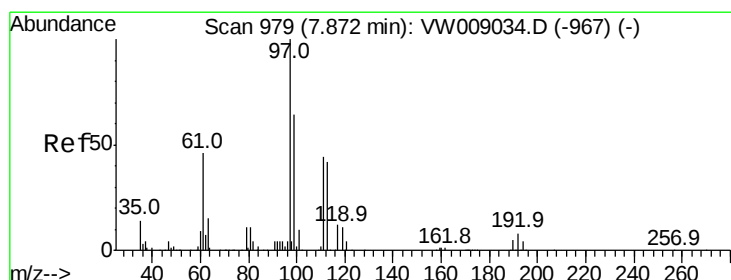
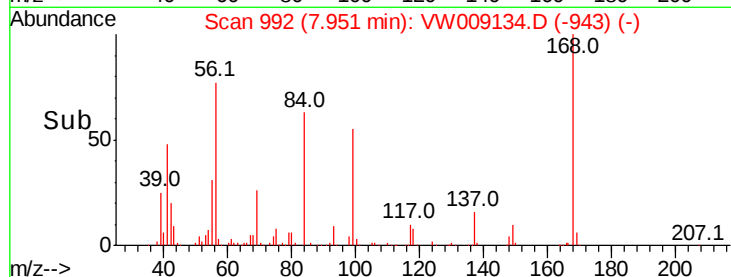
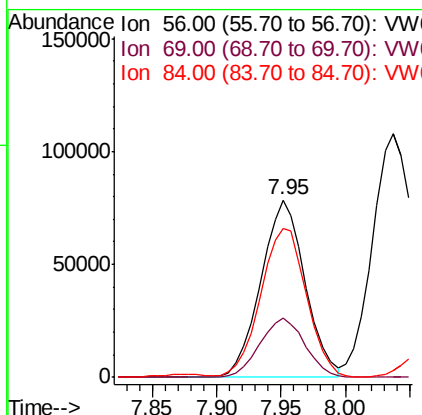
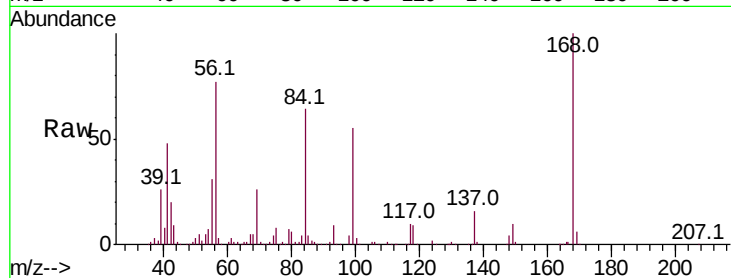
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	186809
Ion Ratio	Lower	Upper	
56	100		
69	33.3	25.5	38.3
84	82.0	68.6	103.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 49.120 ug/l

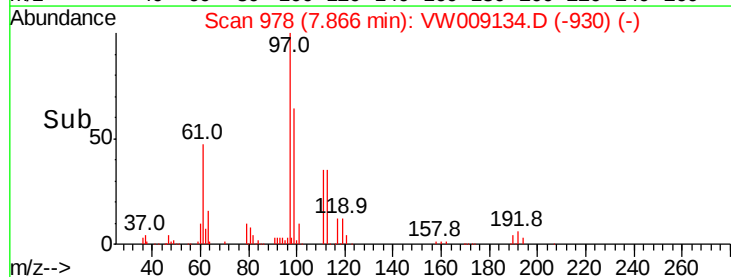
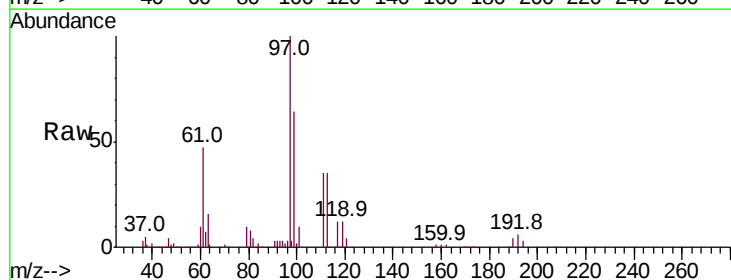
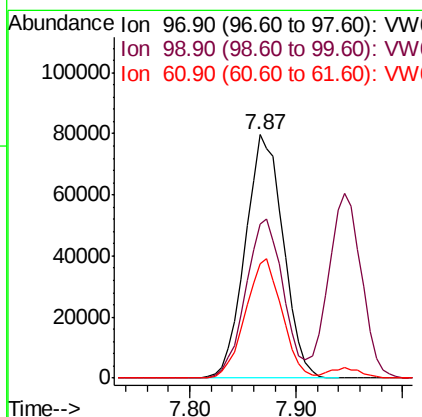
RT: 7.87 min Scan# 978

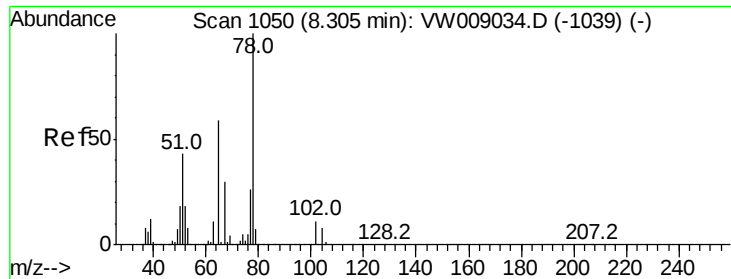
Delta R.T. -0.01 min

Lab File: VW009134.D

Acq: 13 Mar 2019 03:36

Tgt Ion:	97	Resp:	200105
Ion Ratio	Lower	Upper	
97	100		
99	64.5	51.8	77.8
61	47.0	37.3	55.9





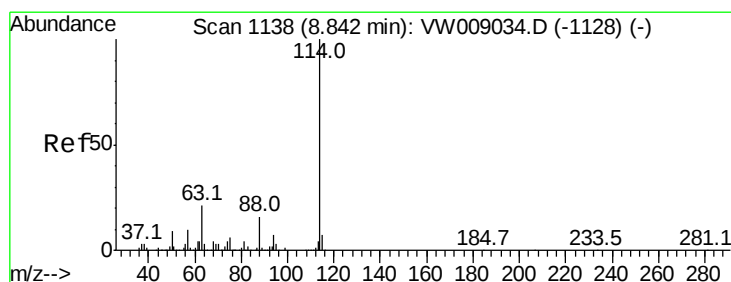
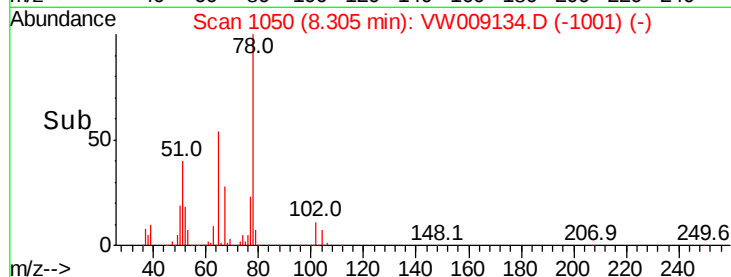
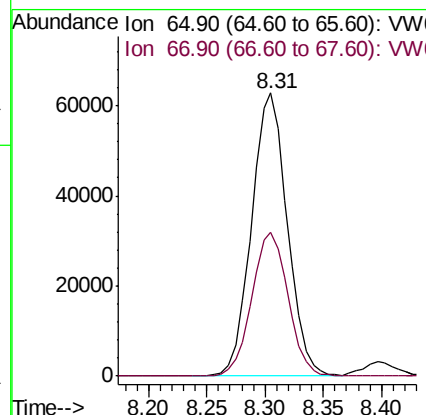
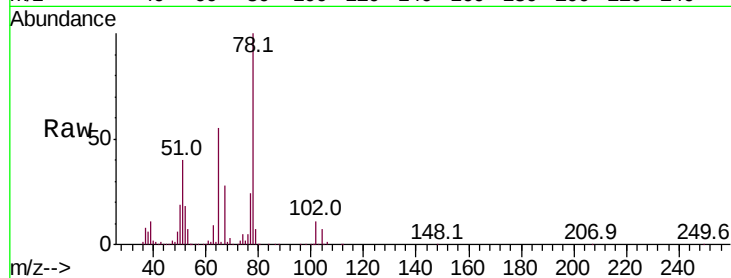
#33
 1,2-Dichloroethane-d4
 Concen: 56.982 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW009134.D
 Acq: 13 Mar 2019 03:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	134520		
67	51.4	0.0	103.0	

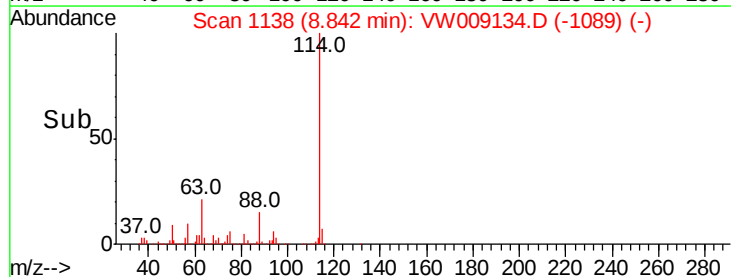
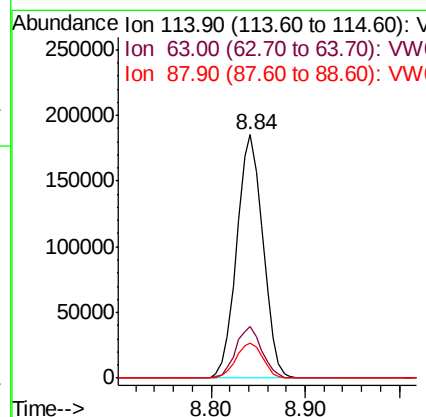
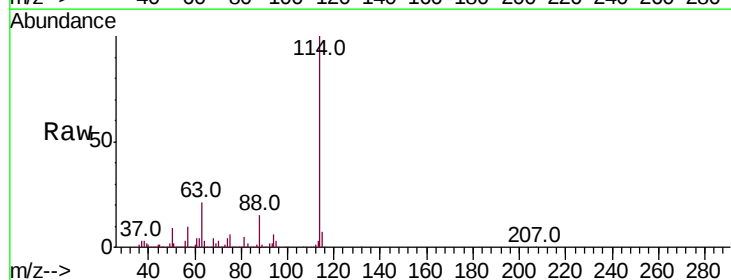
Manual Integrations
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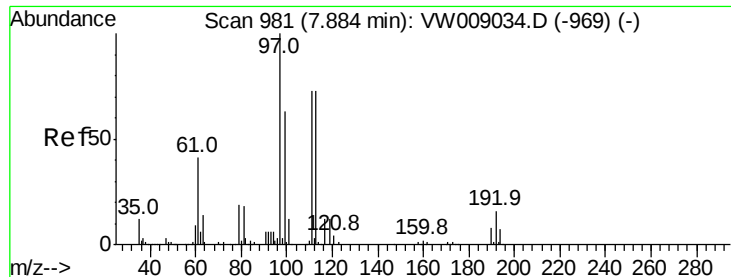
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW009134.D
 Acq: 13 Mar 2019 03:36

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	358974		
63	21.4	0.0	41.2	
88	14.5	0.0	31.2	





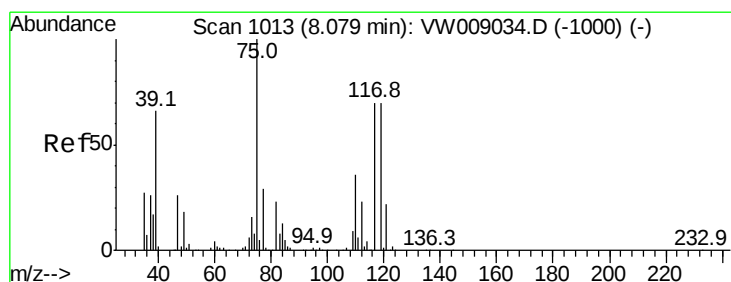
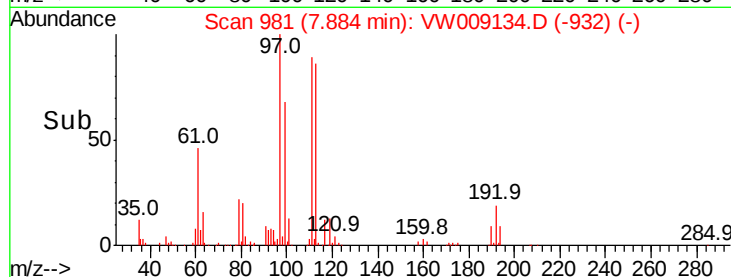
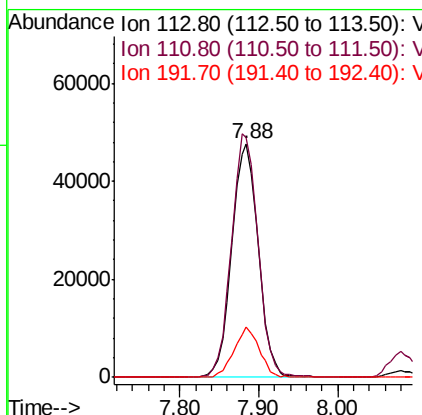
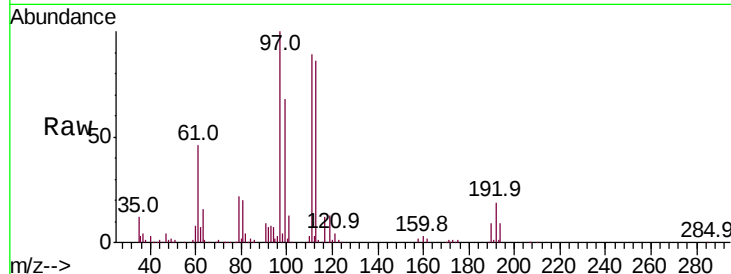
#35
Dibromofluoromethane
Concen: 51.555 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW009134.D
Acq: 13 Mar 2019 03:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.3	81.0	121.4
192	20.6	17.1	25.7

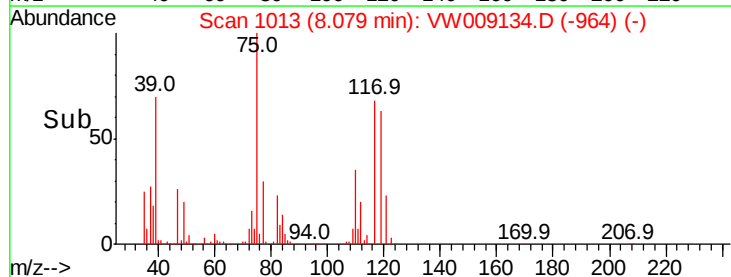
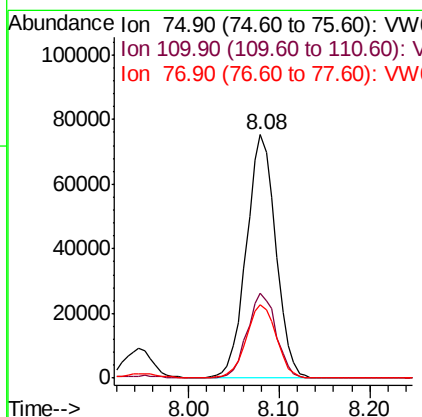
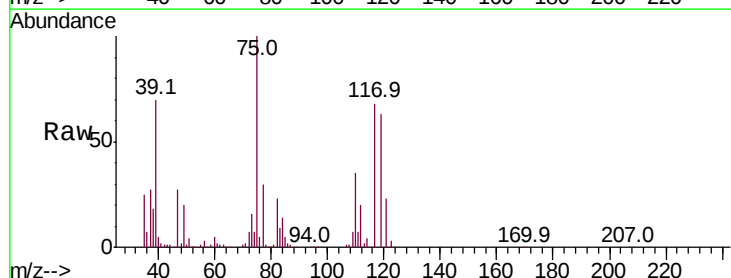
Manual Integrations
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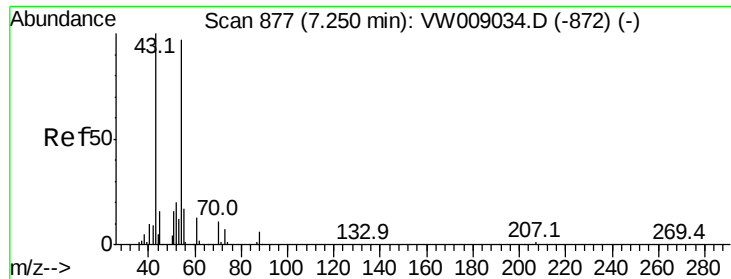
MMDadoda
3/14/2019 3:12:37 PM



#36
1,1-Dichloropropene
Concen: 44.893 ug/l
RT: 8.08 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VW009134.D
Acq: 13 Mar 2019 03:36

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.3	17.6	52.9
77	31.0	25.1	37.7





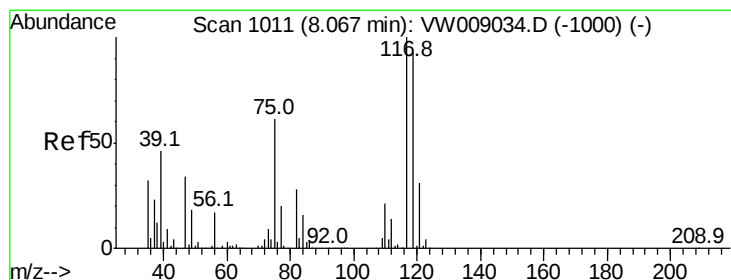
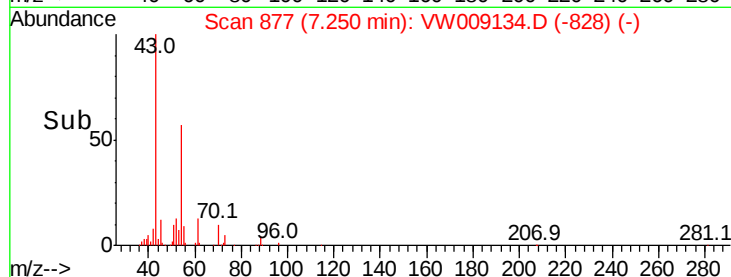
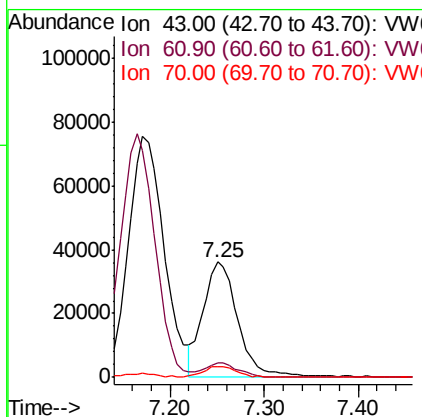
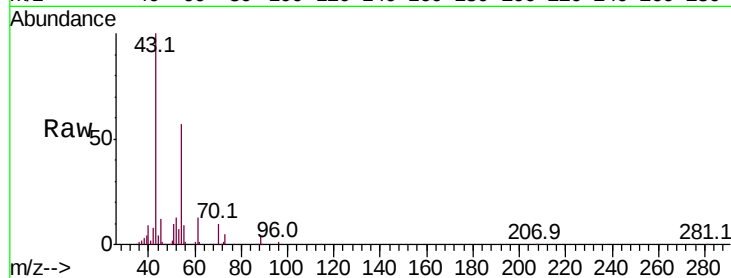
#37
Ethyl Acetate
Concen: 51.791 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW009134.D
Acq: 13 Mar 2019 03:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.3	9.8	14.6
70	9.3	7.2	10.8

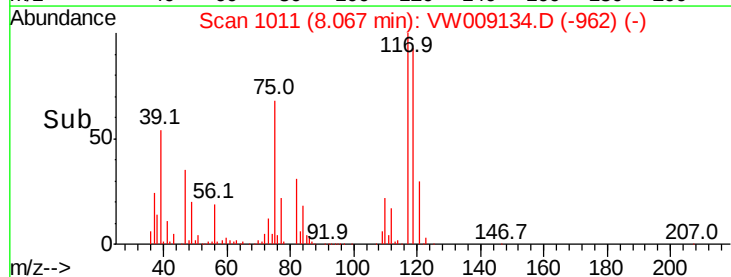
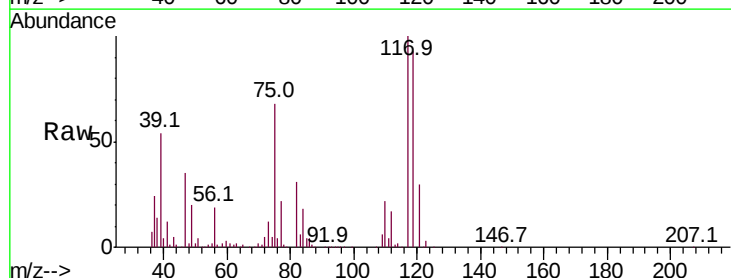
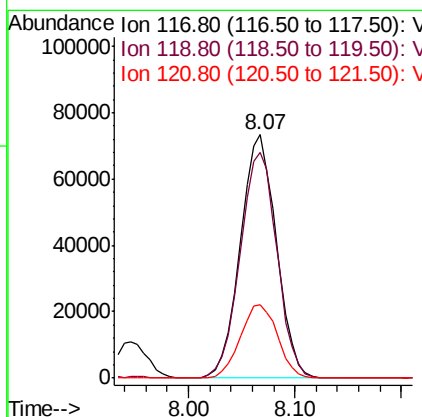
Manual Integrations
APPROVED

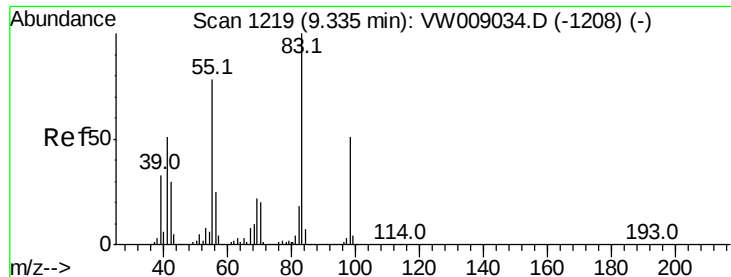
MMDadoda
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#38
Carbon Tetrachloride
Concen: 45.100 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW009134.D
Acq: 13 Mar 2019 03:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.8	74.6	112.0
121	30.3	24.7	37.1





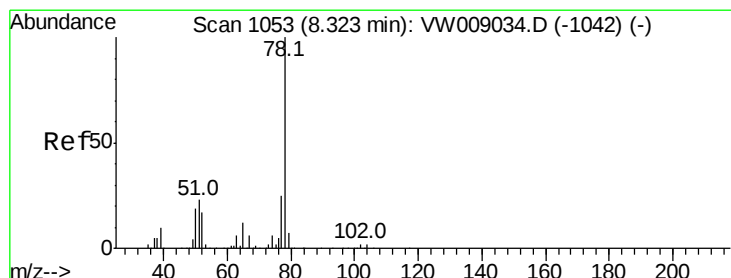
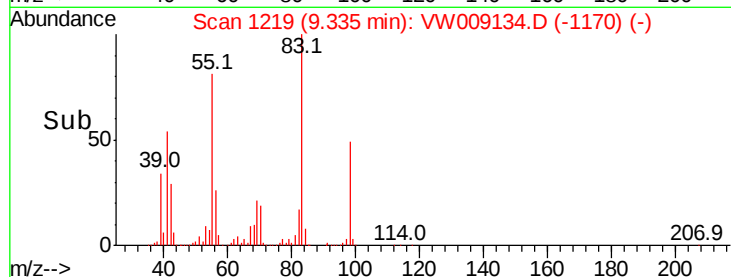
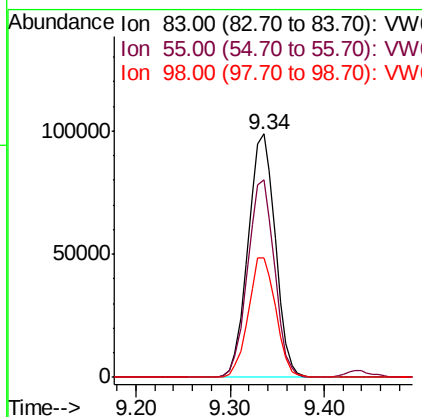
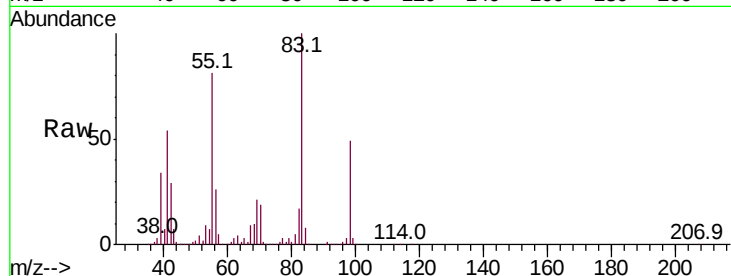
#39
Methvlcvclohexane
Concen: 44.557 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW009134.D
Acq: 13 Mar 2019 03:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.9	62.7	94.1
98	49.1	40.8	61.2

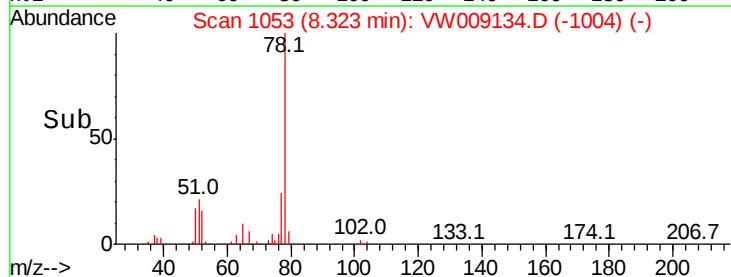
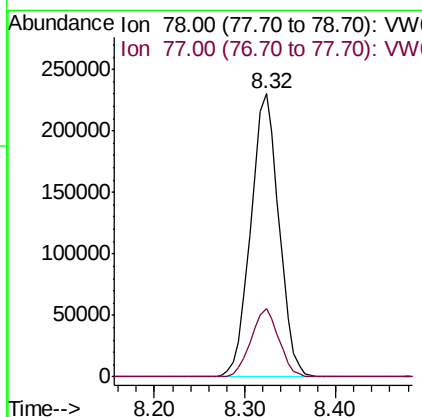
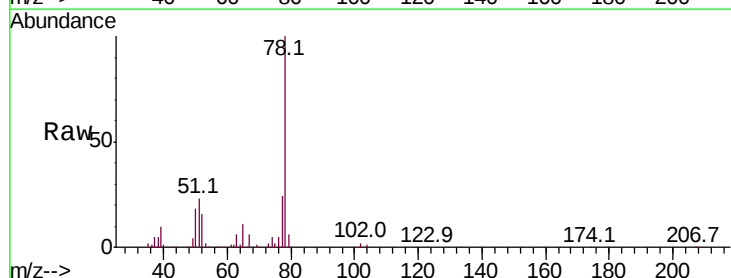
Manual Integrations
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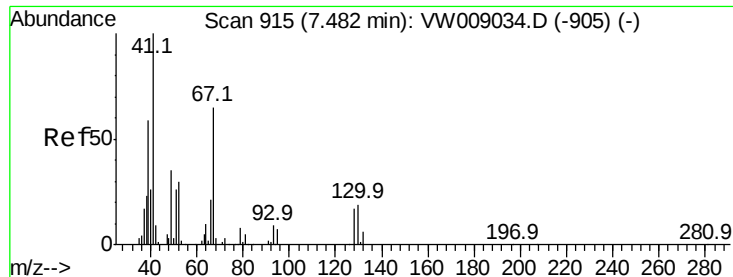
MMDadoda
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#40
Benzene
Concen: 49.349 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW009134.D
Acq: 13 Mar 2019 03:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	20.2	30.4





#41

Methacrylonitrile

Concen: 58.858 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW009134.D

Acq: 13 Mar 2019 03:36

Instrument :

MSVOA_W

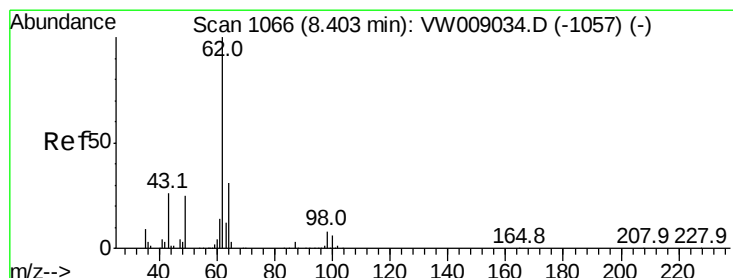
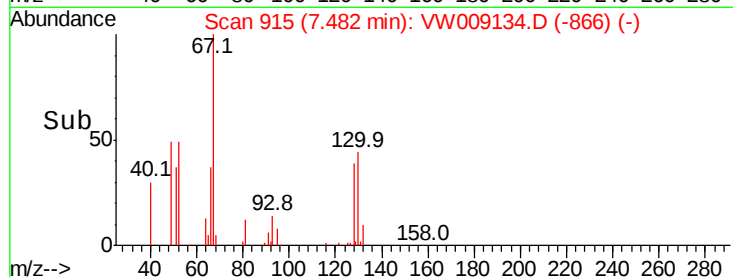
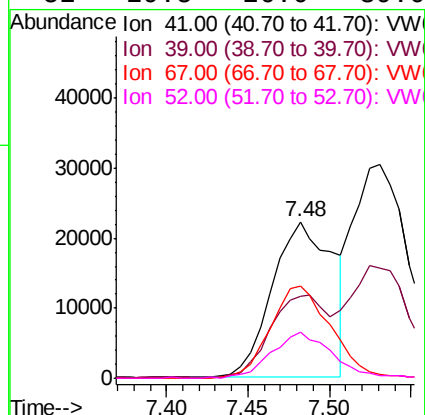
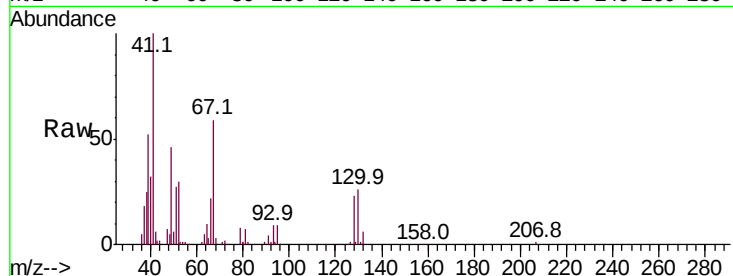
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	49.1	53.6	80.4#
67	59.2	57.6	86.4
52	29.5	26.0	39.0

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 51.837 ug/l

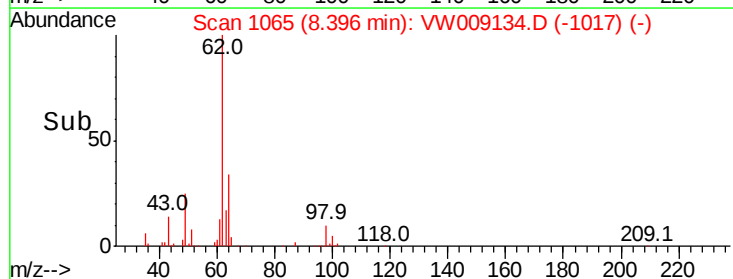
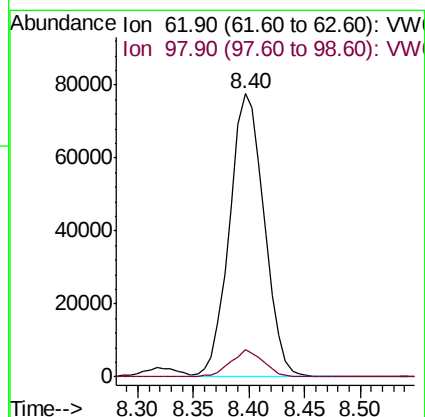
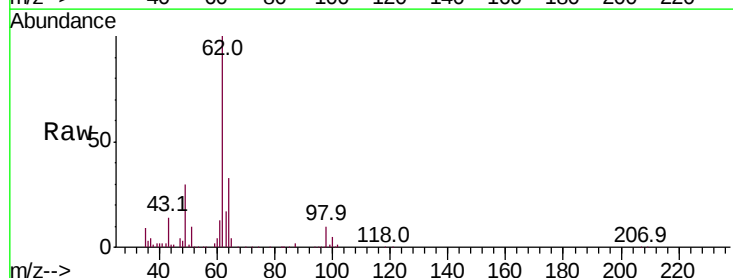
RT: 8.40 min Scan# 1065

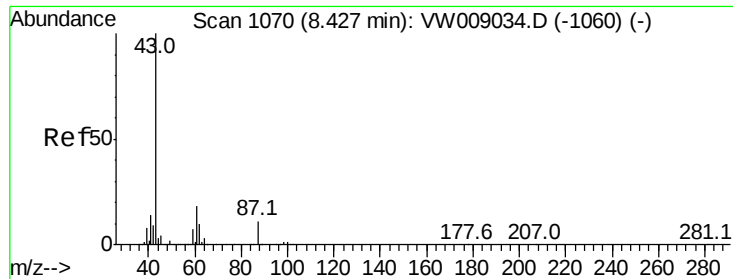
Delta R.T. -0.01 min

Lab File: VW009134.D

Acq: 13 Mar 2019 03:36

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	17.6





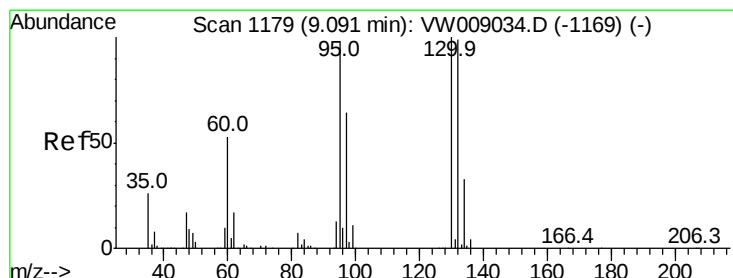
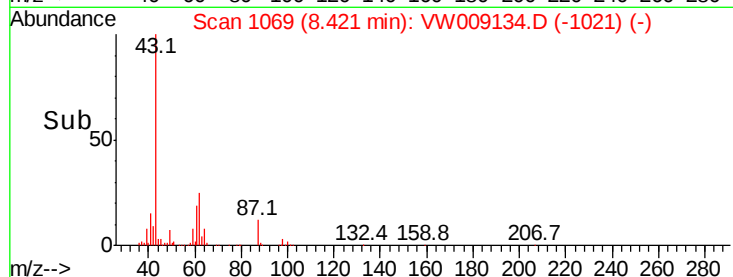
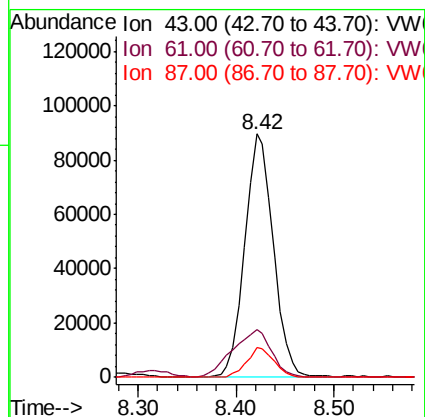
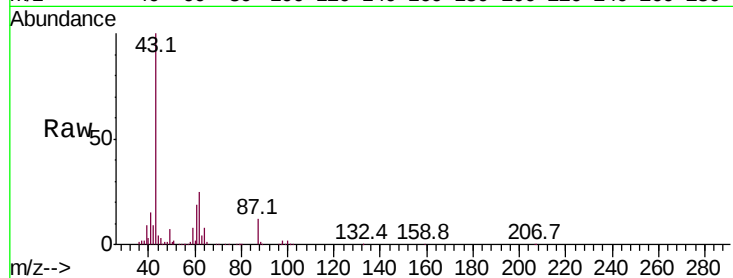
#43
Isopropyl Acetate
Concen: 55.449 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.01 min
Lab File: VW009134.D
Acq: 13 Mar 2019 03:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.5	22.8	34.2
87	11.8	9.4	14.2

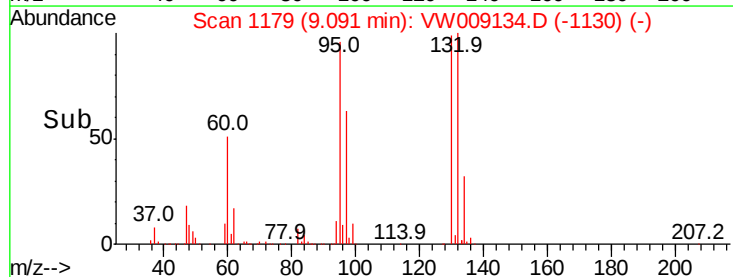
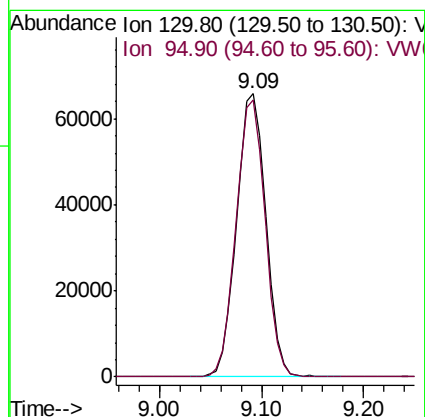
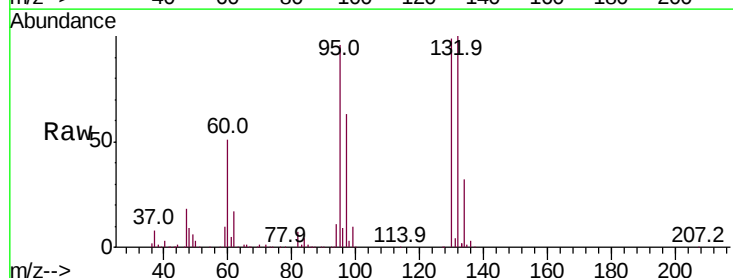
Manual Integrations
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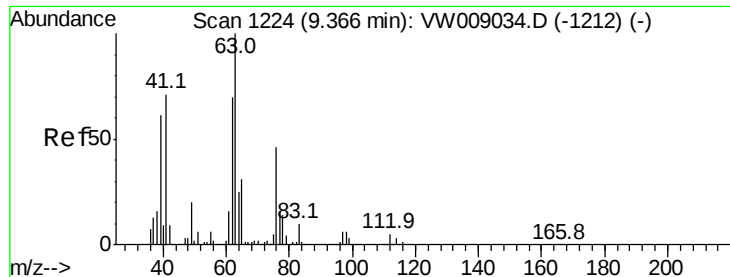
MMDadoda
3/14/2019 3:12:37 PM



#44
Trichloroethene
Concen: 46.433 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VW009134.D
Acq: 13 Mar 2019 03:36

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.8	0.0	197.0





#45

1,2-Dichloropropane

Concen: 51.297 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW009134.D

Acq: 13 Mar 2019 03:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 128731

Ion Ratio Lower Upper

63 100

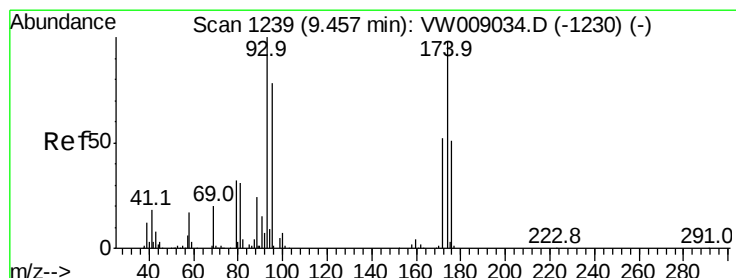
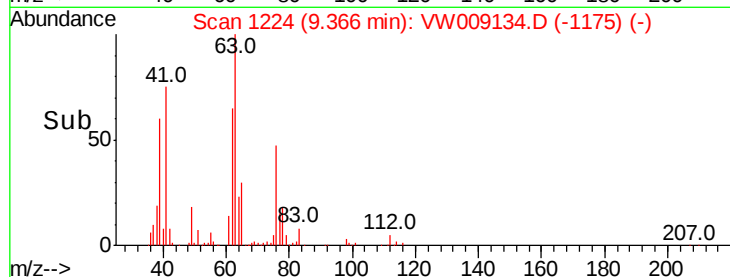
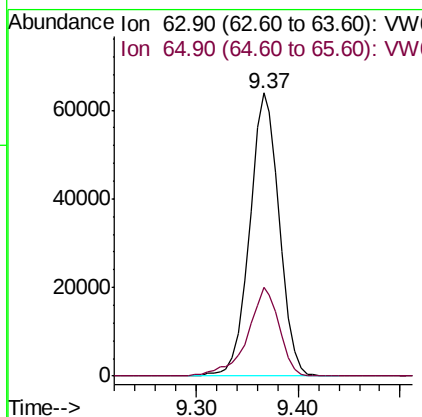
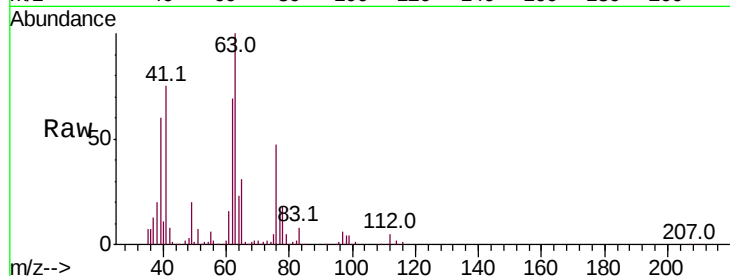
65 31.1 24.9 37.3

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3/14/2019 3:12:37 PM



#46

Dibromomethane

Concen: 52.048 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW009134.D

Acq: 13 Mar 2019 03:36

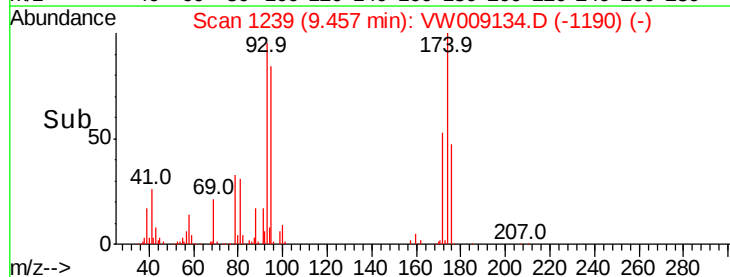
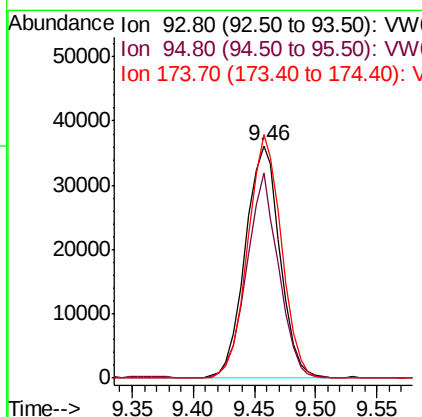
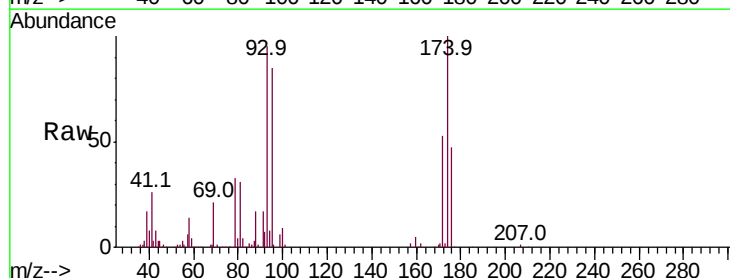
Tgt Ion: 93 Resp: 71334

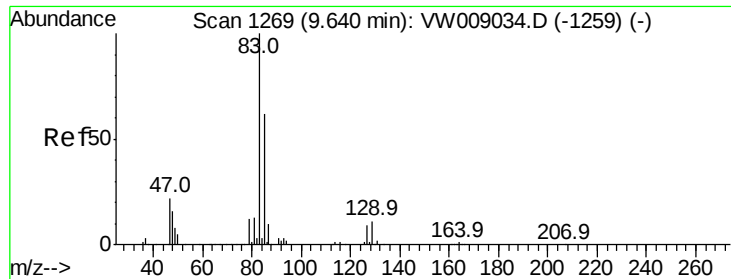
Ion Ratio Lower Upper

93 100

95 81.2 65.0 97.6

174 101.5 81.8 122.6





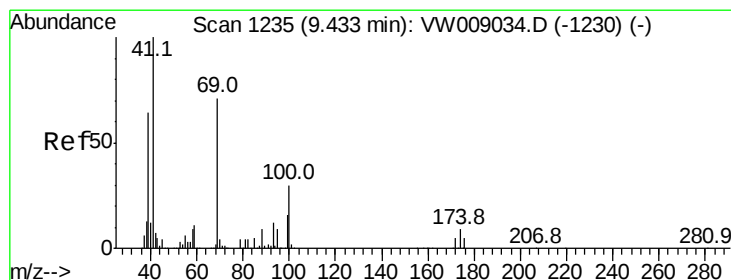
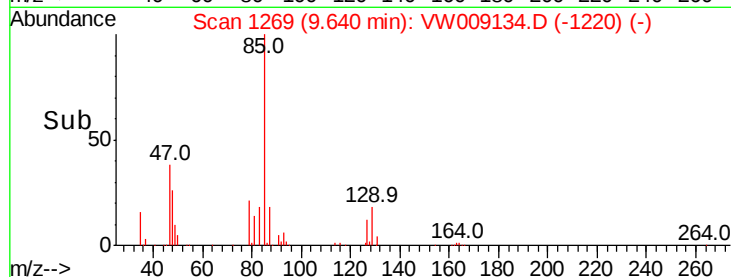
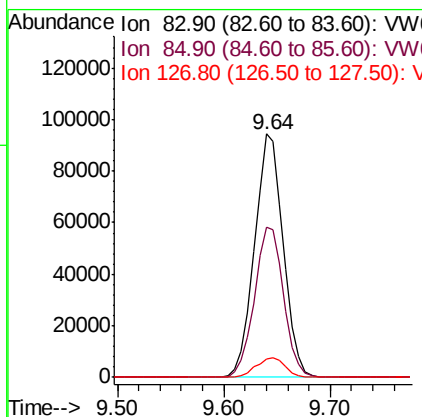
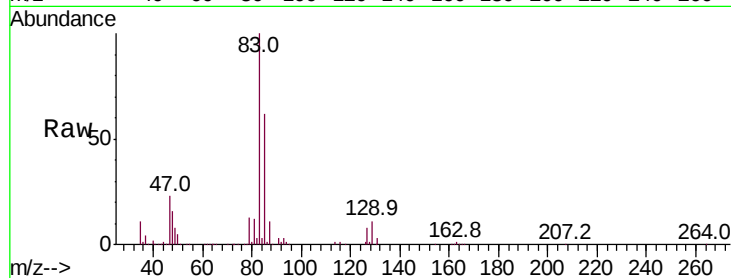
#47
Bromodichloromethane
Concen: 51.234 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW009134.D
Acq: 13 Mar 2019 03:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	61.8	49.9	74.9
127	7.6	7.1	10.7

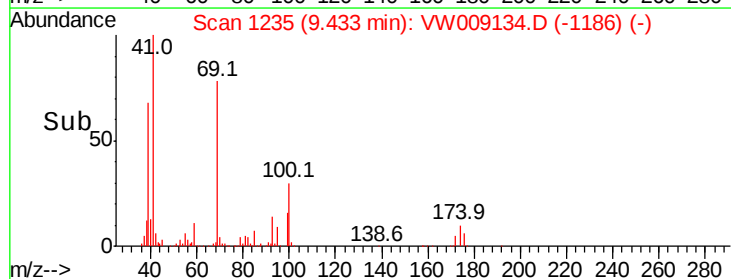
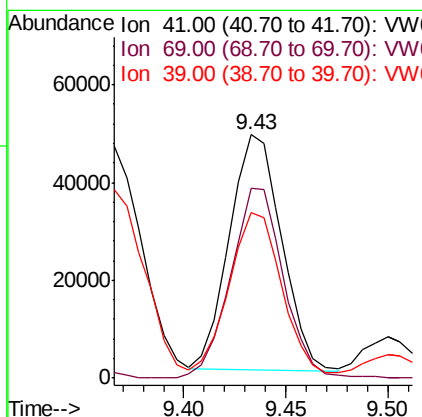
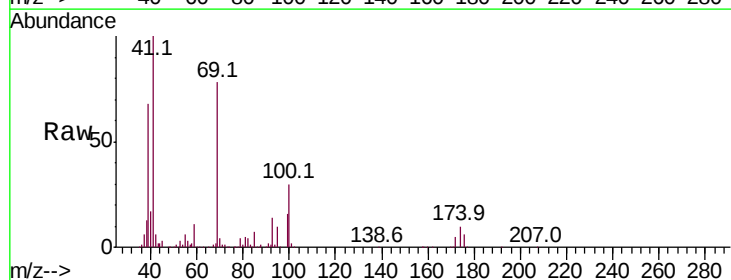
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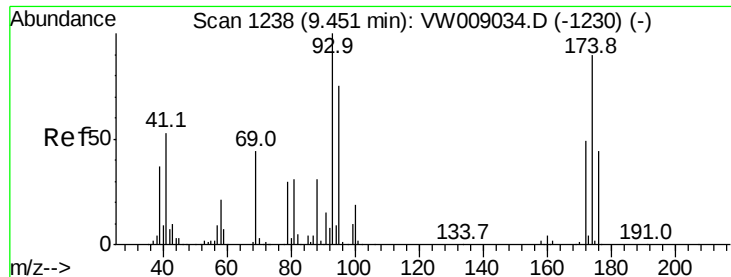
MMDadoda
3/14/2019 3:12:37 PM



#48
Methyl methacrylate
Concen: 55.727 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW009134.D
Acq: 13 Mar 2019 03:36

Tgt Ion	Ratio	Lower	Upper
41	100		
69	82.0	59.1	88.7
39	68.1	48.9	73.3





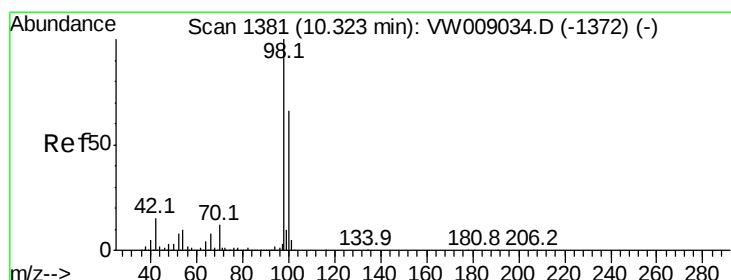
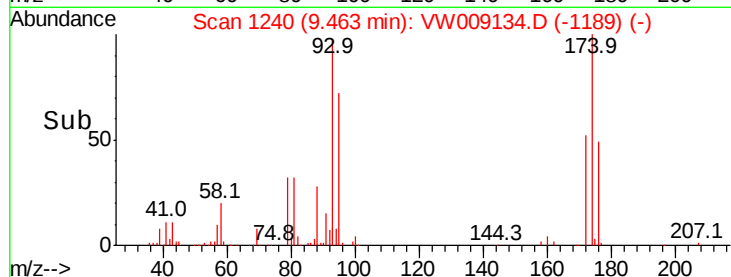
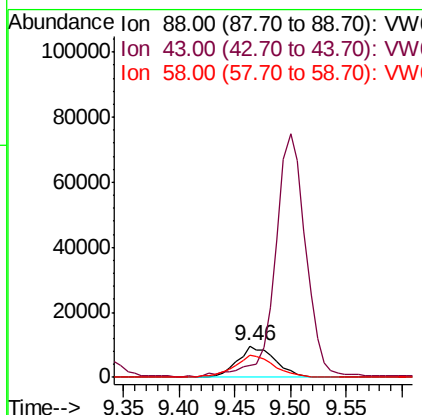
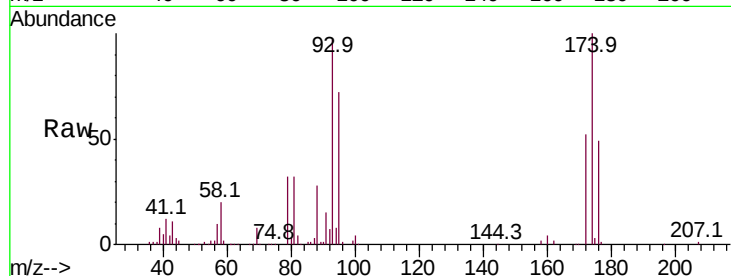
#49
1,4-Dioxane
Concen: 1160.305 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. 0.01 min
Lab File: VW009134.D
Acq: 13 Mar 2019 03:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	29.0	43.4#
58	74.9	59.2	88.8

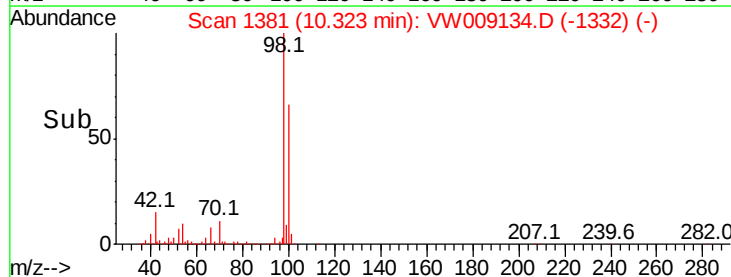
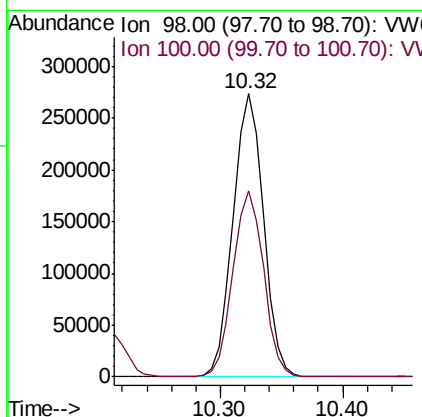
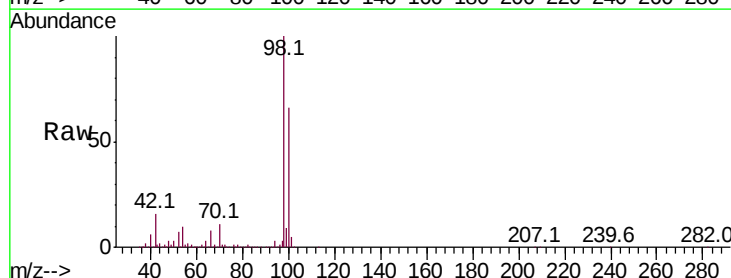
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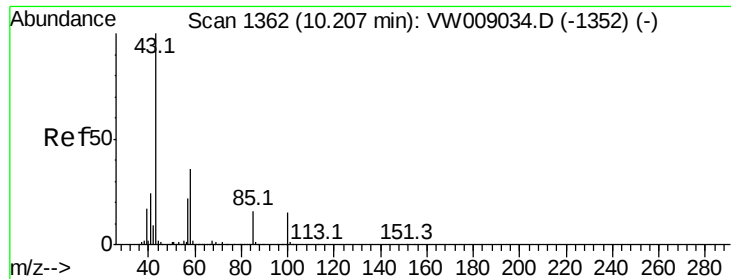
MMDadoda
3/14/2019 3:12:37 PM



#50
Toluene-d8
Concen: 53.094 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW009134.D
Acq: 13 Mar 2019 03:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 291.210 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW009134.D

Acq: 13 Mar 2019 03:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 485448

Ion Ratio Lower Upper

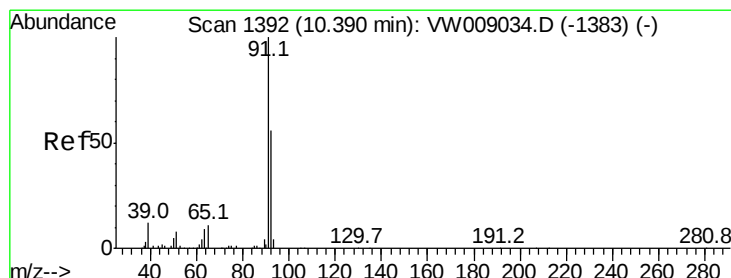
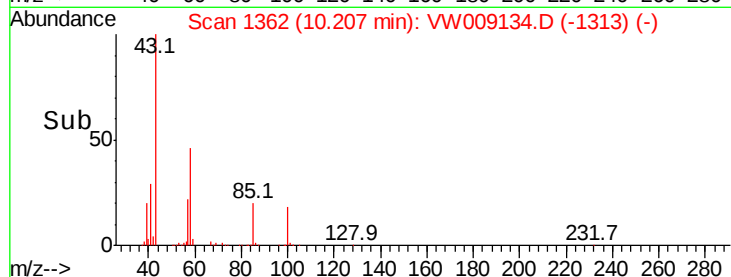
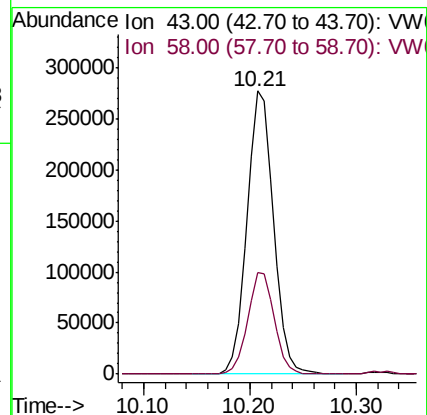
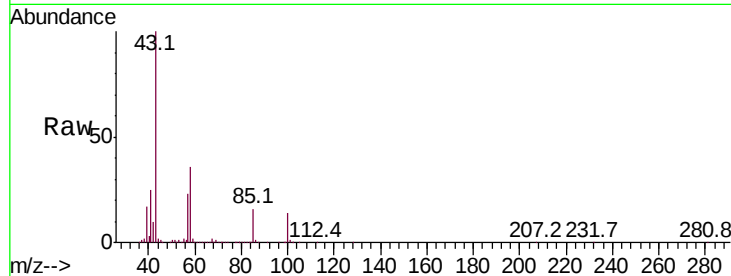
43 100

58 36.0 28.8 43.2

Manual Integrations
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MMDadoda

3/14/2019 3:12:37 PM



#52

Toluene

Concen: 51.042 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW009134.D

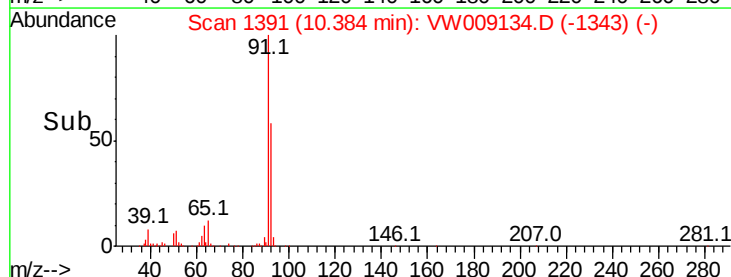
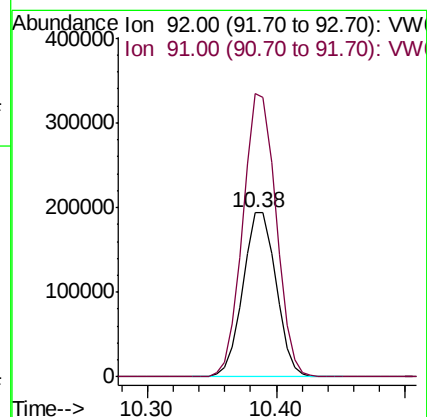
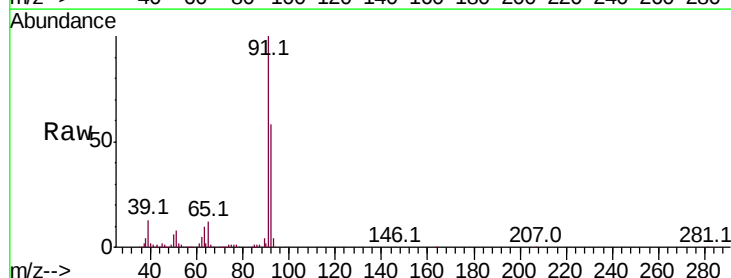
Acq: 13 Mar 2019 03:36

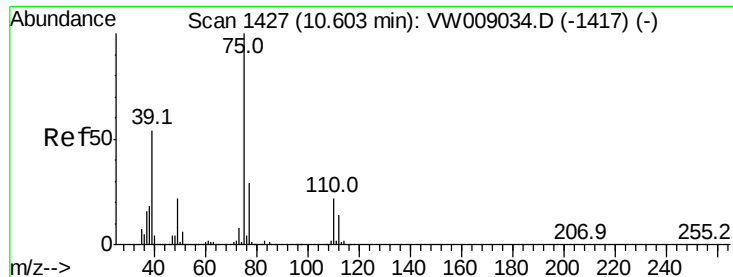
Tgt Ion: 92 Resp: 346847

Ion Ratio Lower Upper

92 100

91 172.2 139.9 209.9





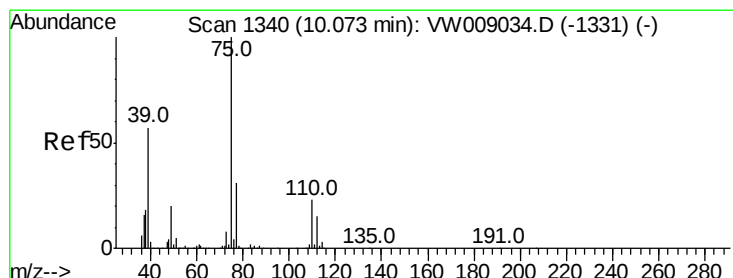
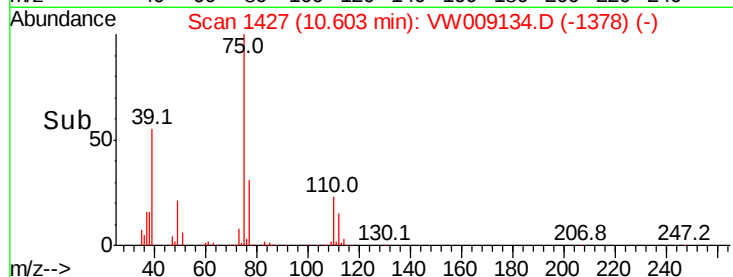
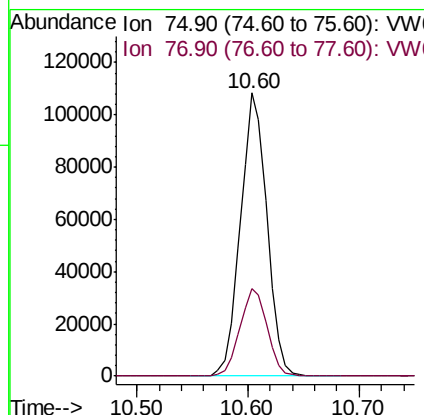
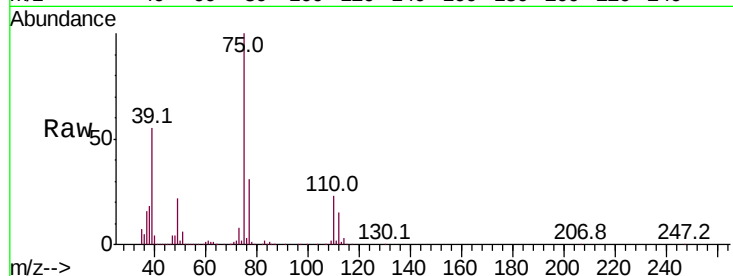
#53
t-1,3-Dichloropropene
Concen: 51.826 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW009134.D
Acq: 13 Mar 2019 03:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 177831
Ion Ratio Lower Upper
75 100
77 30.7 23.6 35.4

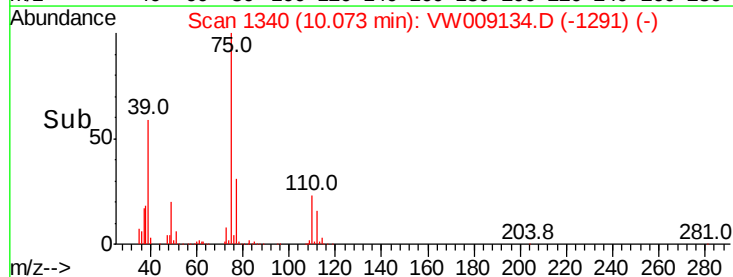
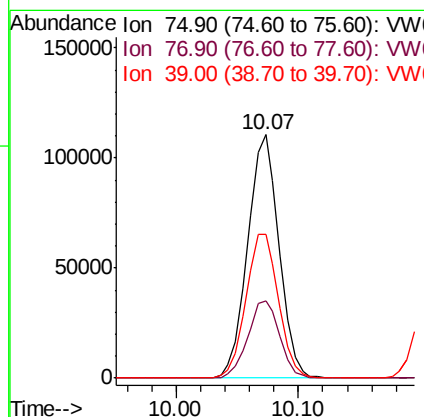
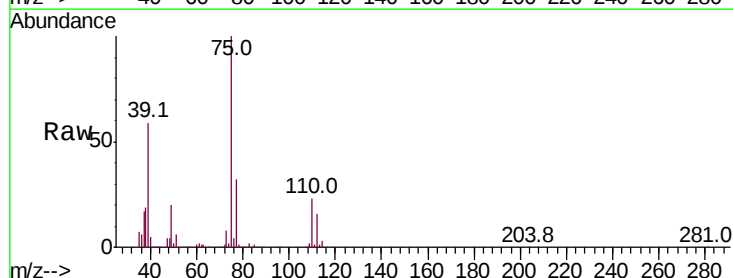
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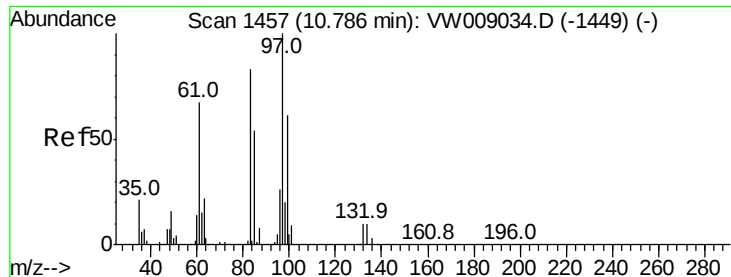
MMDadoda
3/14/2019 3:12:37 PM



#54
cis-1,3-Dichloropropene
Concen: 49.962 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW009134.D
Acq: 13 Mar 2019 03:36

Tgt Ion: 75 Resp: 197005
Ion Ratio Lower Upper
75 100
77 31.5 24.6 36.8
39 58.8 45.9 68.9





#55

1,1,2-Trichloroethane

Concen: 52.852 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW009134.D

Acq: 13 Mar 2019 03:36

Instrument :

MSVOA_W

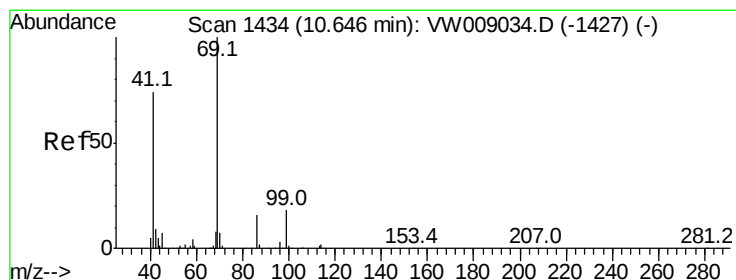
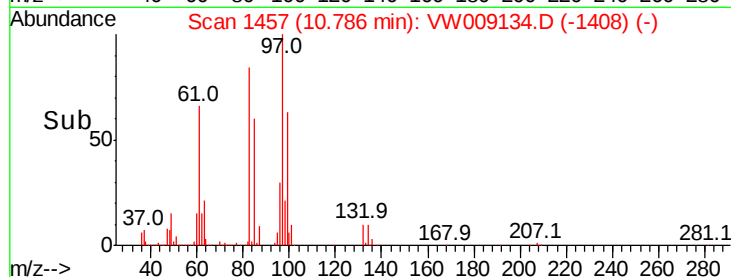
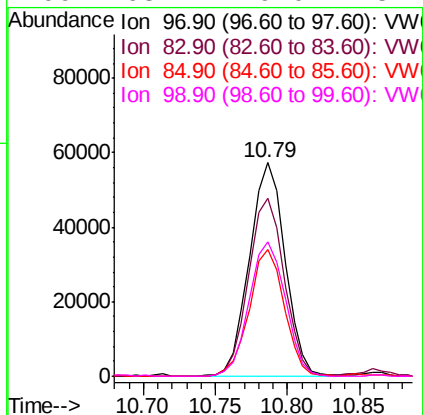
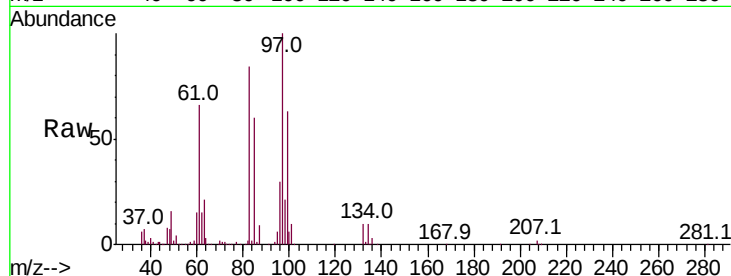
ClientSampleId :

VSTDCCC050

Tot Ion	97	Resp	98178
Ion Ratio	Lower	Upper	
97	100		
83	83.3	66.2	99.2
85	59.5	43.6	65.4
99	63.1	49.0	73.4

Manual Integrations
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3/14/2019 3:12:37 PM



#56

Ethyl methacrylate

Concen: 58.250 ug/l

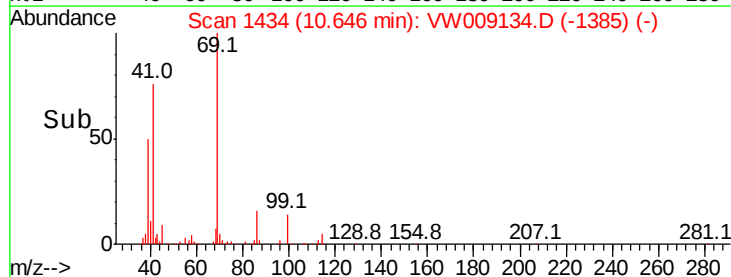
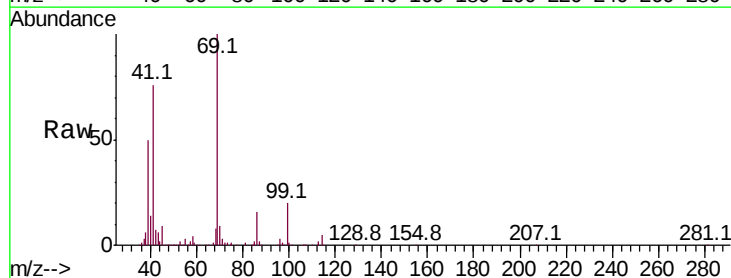
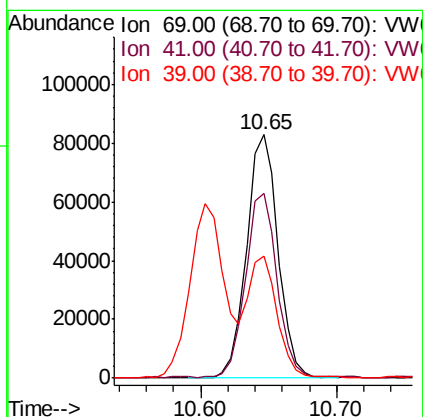
RT: 10.65 min Scan# 1434

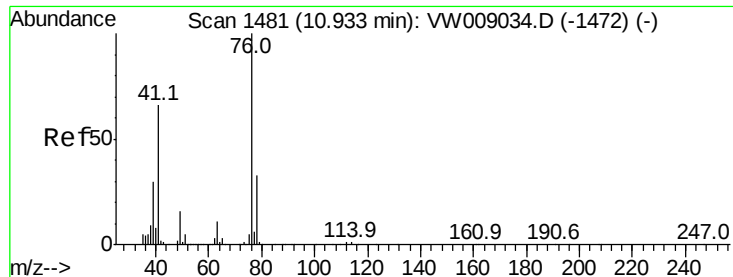
Delta R.T. 0.00 min

Lab File: VW009134.D

Acq: 13 Mar 2019 03:36

Tgt Ion	69	Resp	134293
Ion Ratio	Lower	Upper	
69	100		
41	75.9	59.4	89.2
39	46.3	38.5	57.7





#57

1,3-Dichloropropane

Concen: 53.495 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW009134.D

Acq: 13 Mar 2019 03:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 176038

Ion Ratio Lower Upper

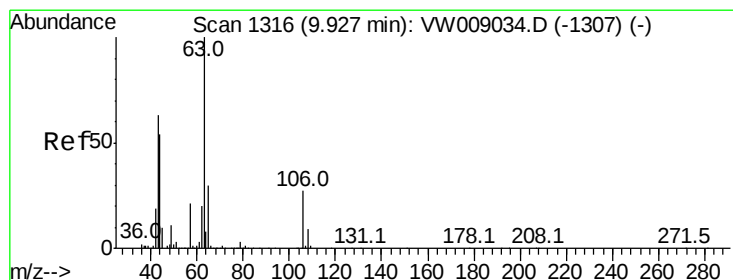
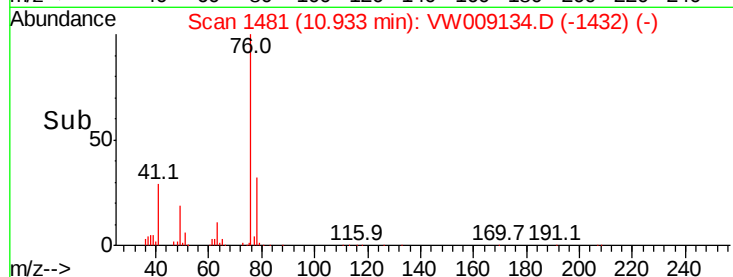
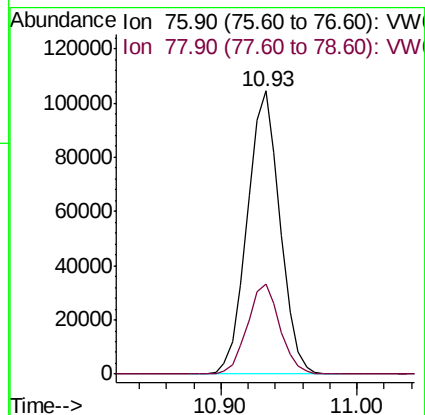
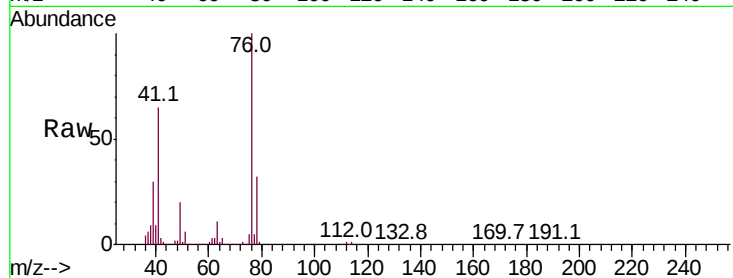
76 100

78 31.7 25.7 38.5

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3/14/2019 3:12:37 PM



#58

2-Chloroethyl Vinyl ether

Concen: 277.620 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VW009134.D

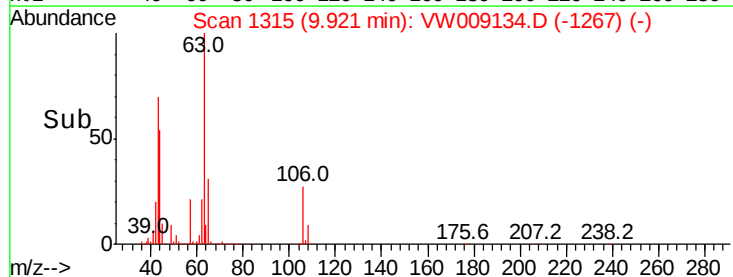
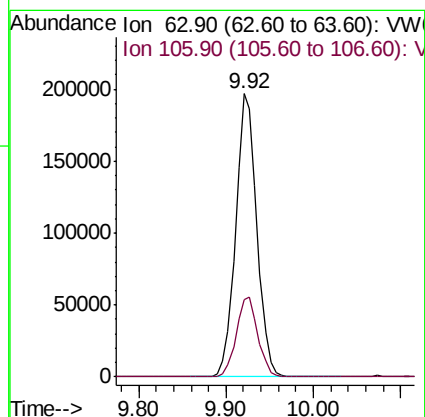
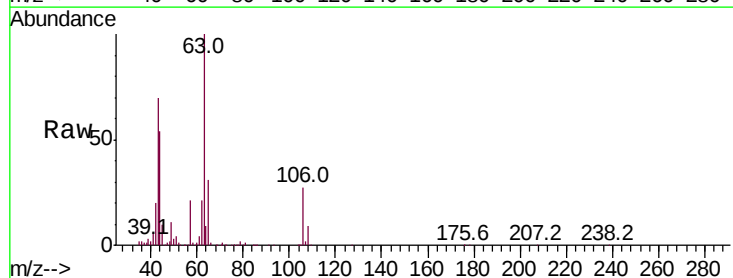
Acq: 13 Mar 2019 03:36

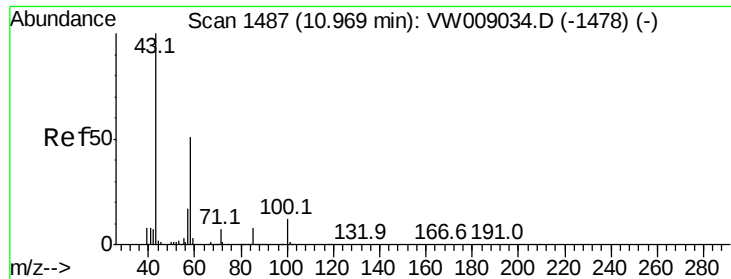
Tgt Ion: 63 Resp: 331802

Ion Ratio Lower Upper

63 100

106 28.7 23.0 34.6





#59

2-Hexanone

Concen: 292.191 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW009134.D

Acq: 13 Mar 2019 03:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 342461

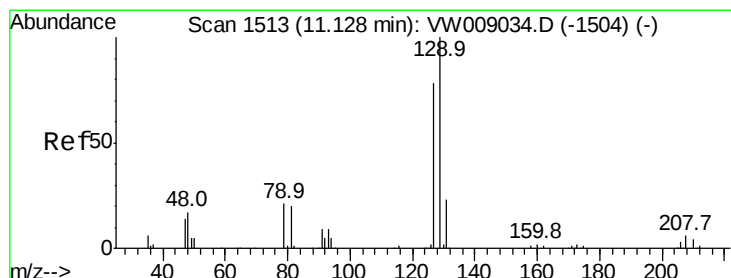
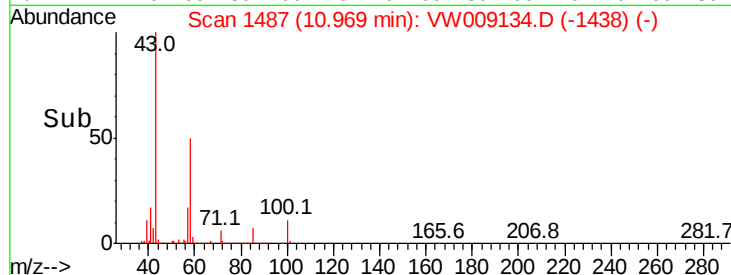
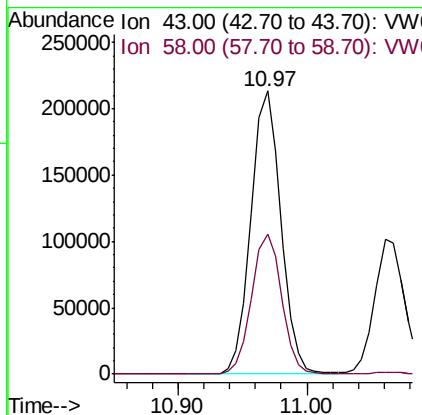
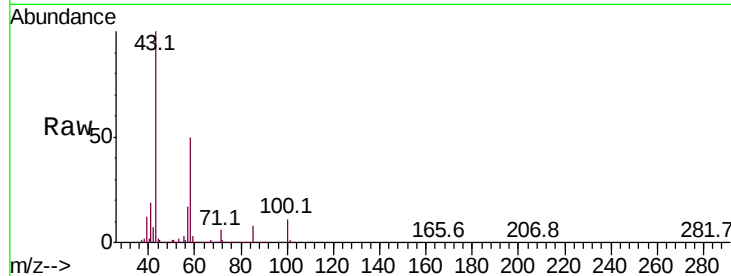
Ion Ratio Lower Upper

43 100

58 49.8 25.3 75.9

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#60

Dibromochloromethane

Concen: 53.286 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW009134.D

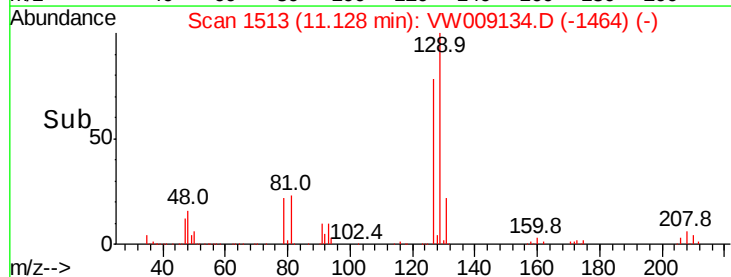
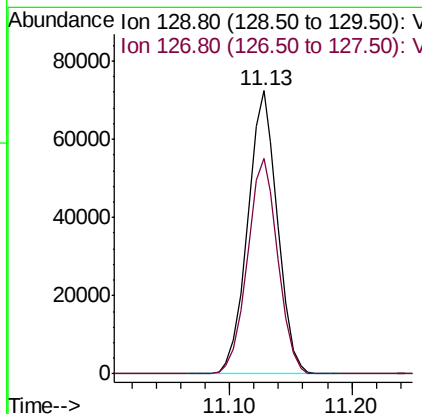
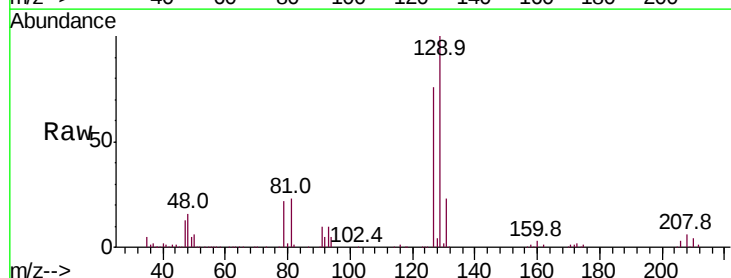
Acq: 13 Mar 2019 03:36

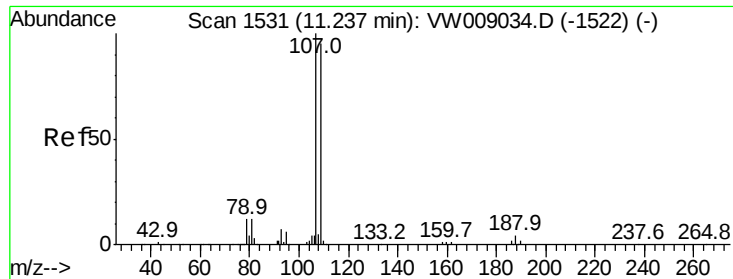
Tgt Ion: 129 Resp: 122498

Ion Ratio Lower Upper

129 100

127 77.2 38.4 115.1





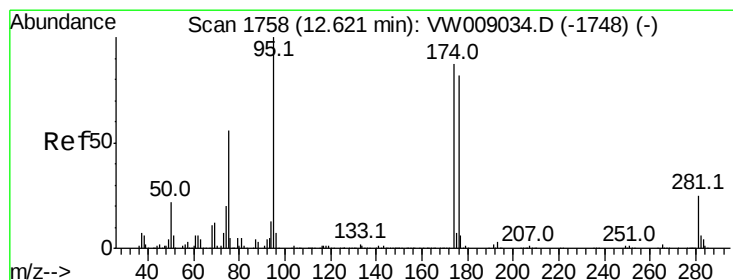
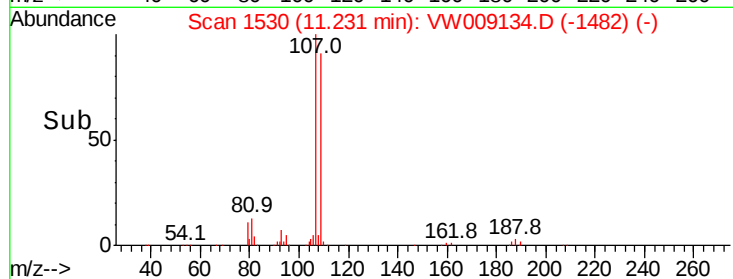
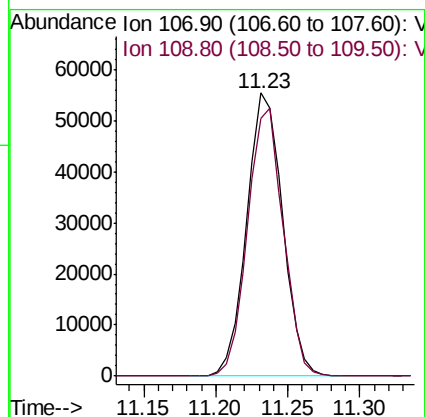
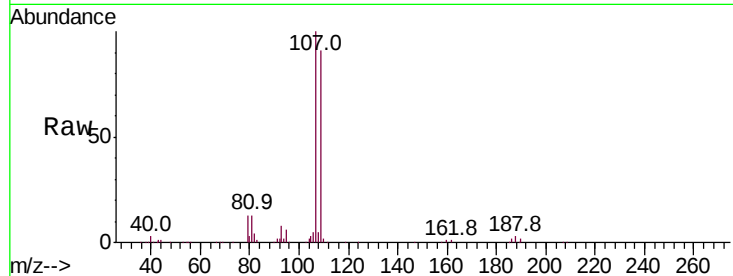
#61
 1,2-Dibromoethane
 Concen: 52.371 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW009134.D
 Acq: 13 Mar 2019 03:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 95372
 Ion Ratio Lower Upper
 107 100
 109 93.8 74.7 112.1

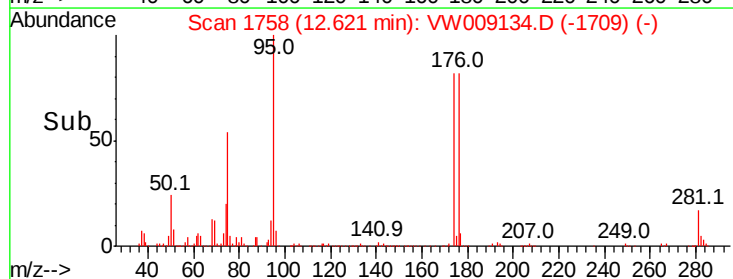
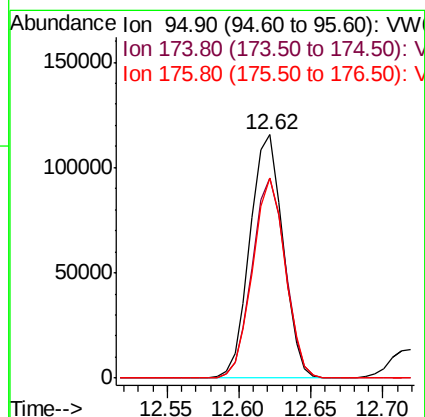
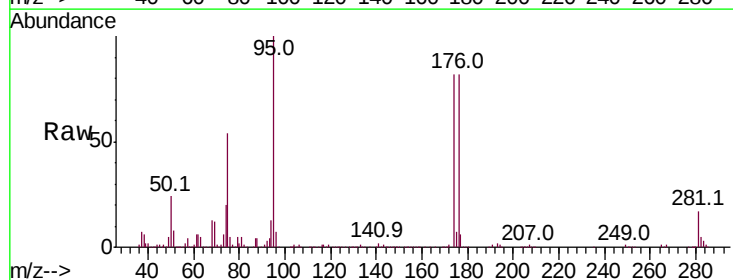
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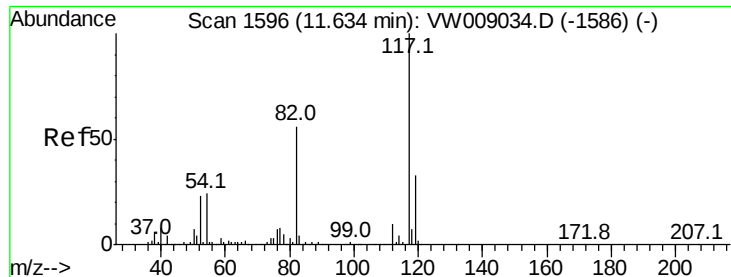
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#62
 4-Bromofluorobenzene
 Concen: 52.519 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW009134.D
 Acq: 13 Mar 2019 03:36

Tgt Ion: 95 Resp: 183529
 Ion Ratio Lower Upper
 95 100
 174 82.7 0.0 167.0
 176 81.1 0.0 159.4





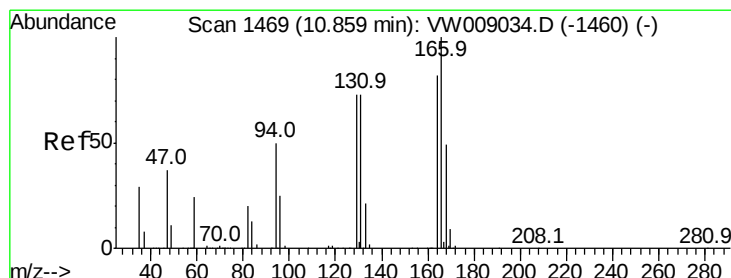
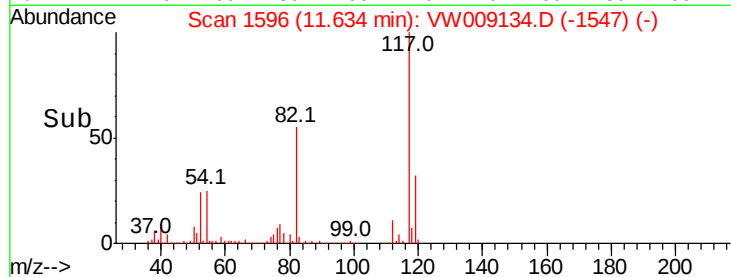
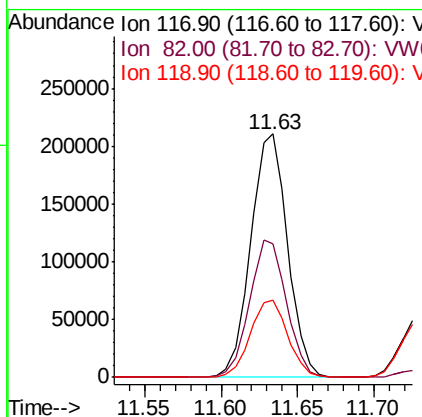
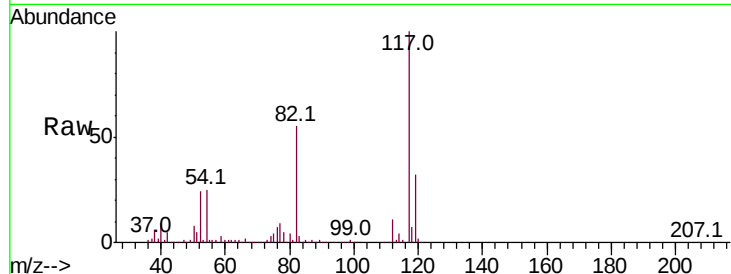
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW009134.D
Acq: 13 Mar 2019 03:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100			
82	55.1	45.0	67.6	
119	31.8	26.6	39.8	

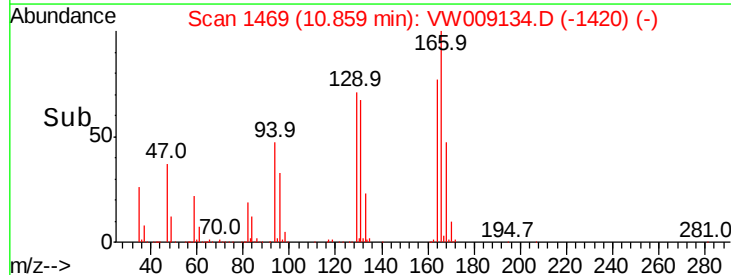
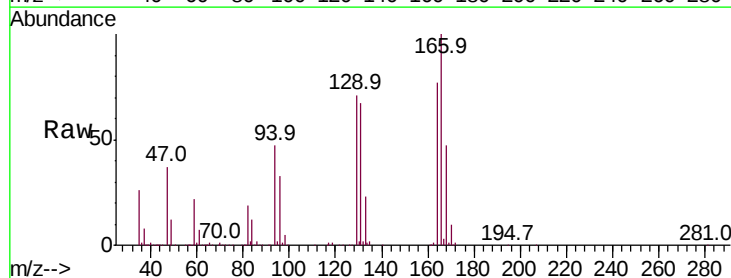
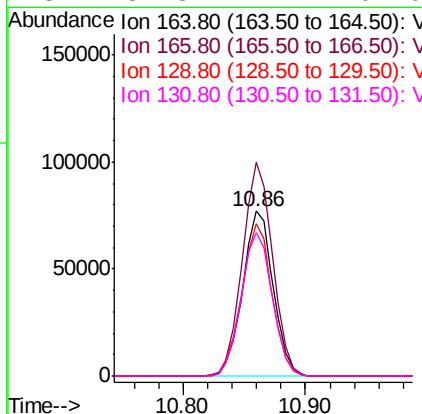
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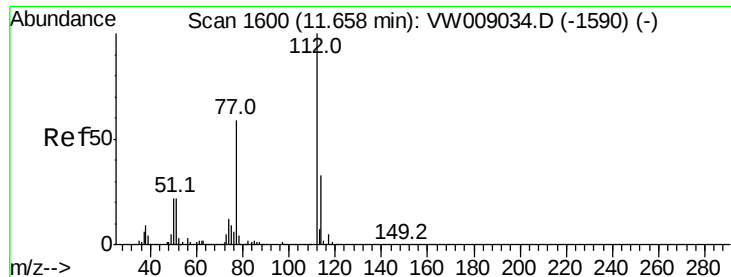
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#64
Tetrachloroethene
Concen: 52.034 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW009134.D
Acq: 13 Mar 2019 03:36

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
166	129.6	97.8	146.6	
129	92.4	71.6	107.4	
131	87.3	71.4	107.0	





#65

Chlorobenzene

Concen: 50.146 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW009134.D

Acq: 13 Mar 2019 03:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 385309

Ion Ratio Lower Upper

112 100

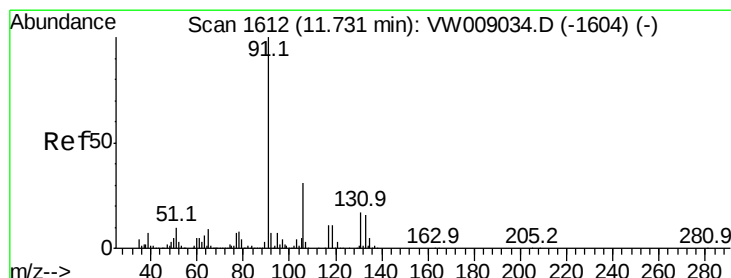
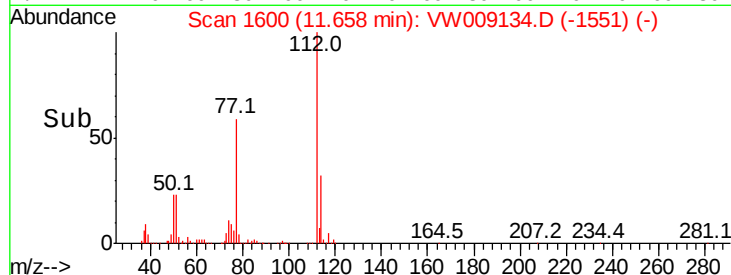
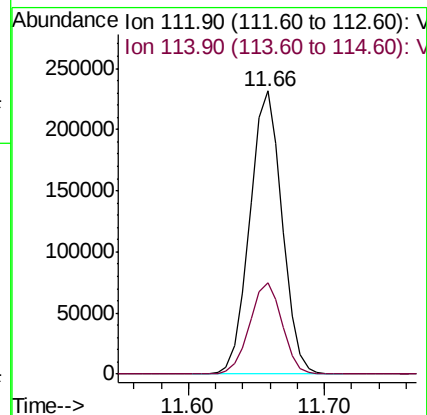
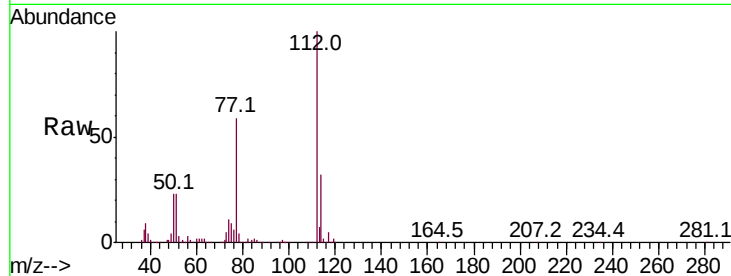
114 32.3 26.6 40.0

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3/14/2019 3:12:37 PM



#66

1,1,1,2-Tetrachloroethane

Concen: 51.515 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW009134.D

Acq: 13 Mar 2019 03:36

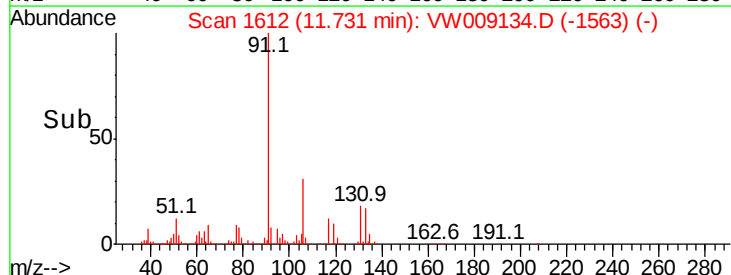
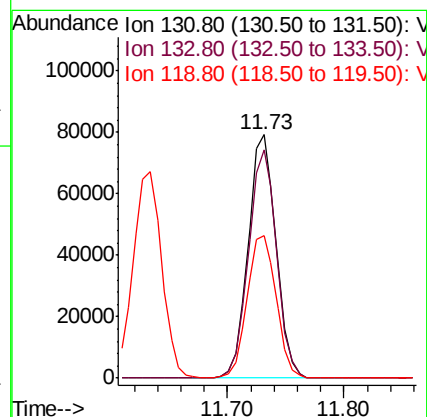
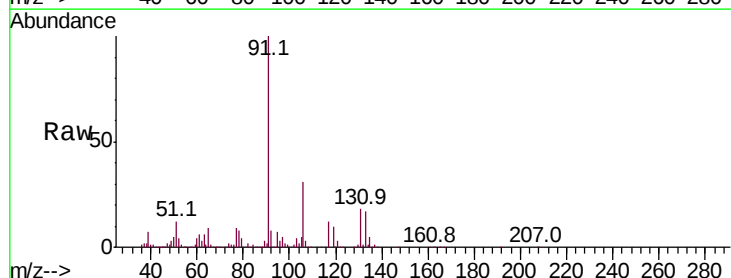
Tgt Ion:131 Resp: 132166

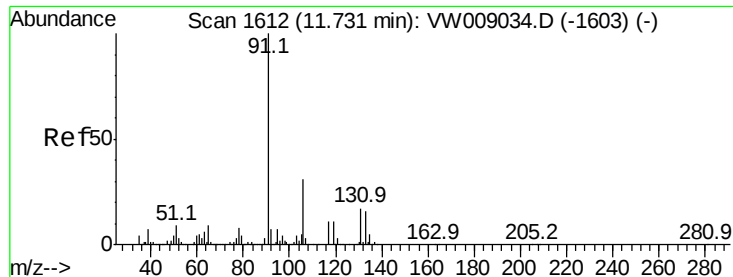
Ion Ratio Lower Upper

131 100

133 94.1 47.6 142.8

119 61.1 31.3 93.8





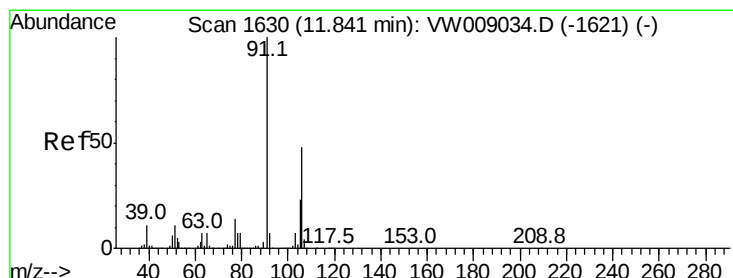
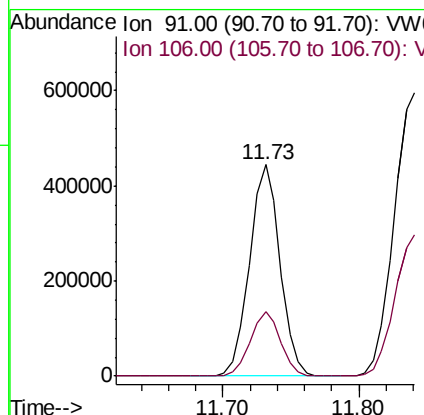
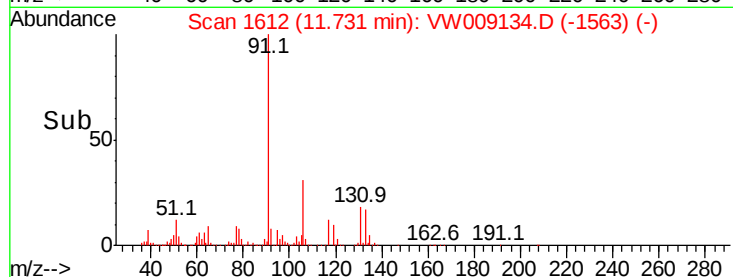
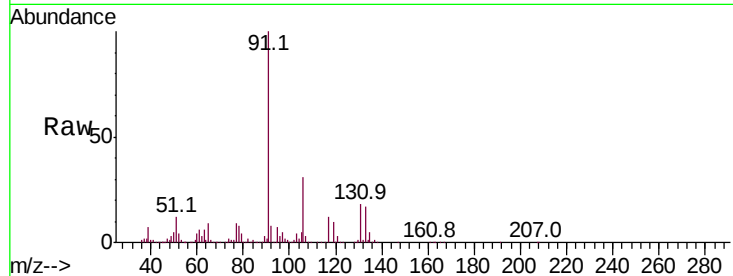
#67
Ethyl Benzene
Concen: 50.212 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009134.D
Acq: 13 Mar 2019 03:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.5	25.0	37.4

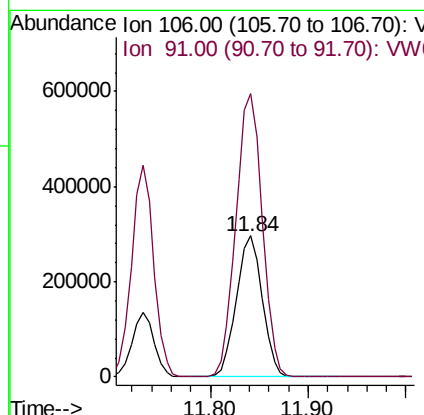
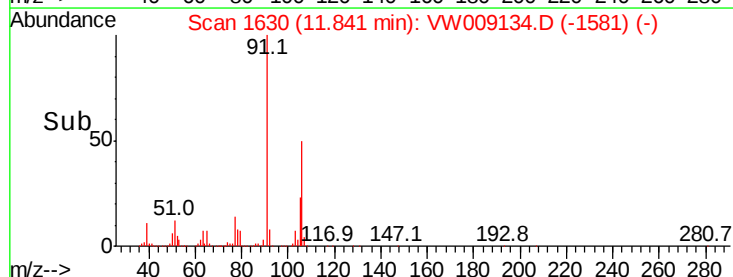
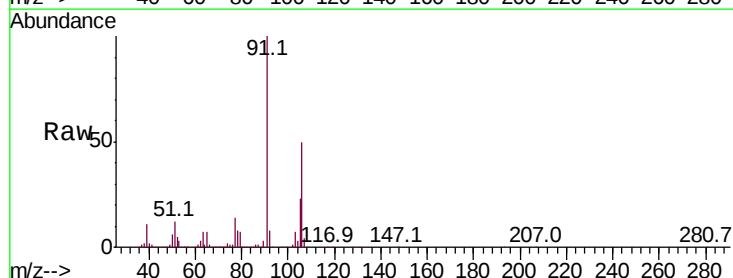
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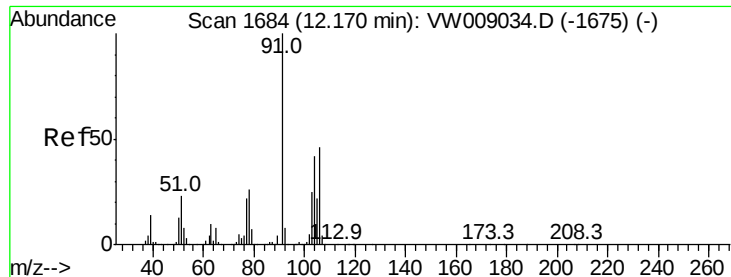
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3/14/2019 3:12:37 PM



#68
m/p-Xylenes
Concen: 99.432 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW009134.D
Acq: 13 Mar 2019 03:36

Tgt Ion	Ratio	Lower	Upper
106	100		
91	204.3	163.2	244.8





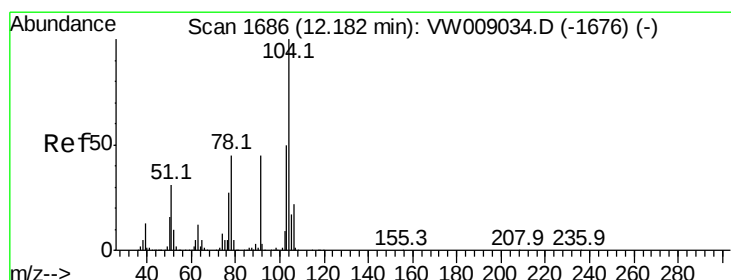
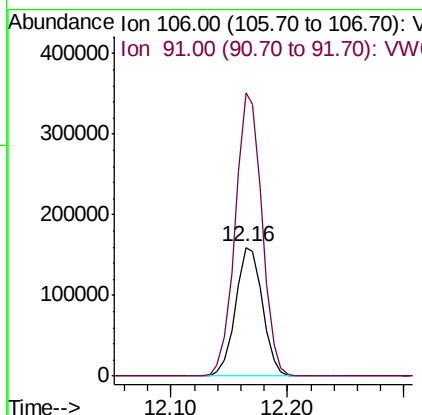
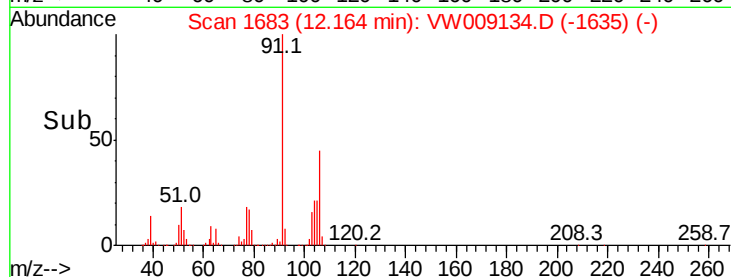
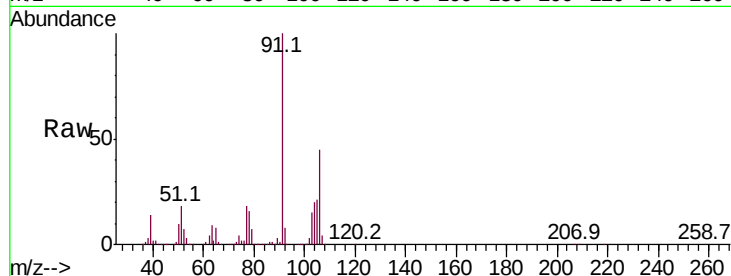
#69
o-Xylene
Concen: 50.479 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW009134.D
Acq: 13 Mar 2019 03:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	217.8	108.6	325.6

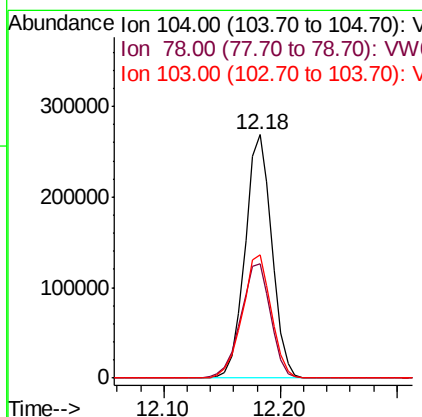
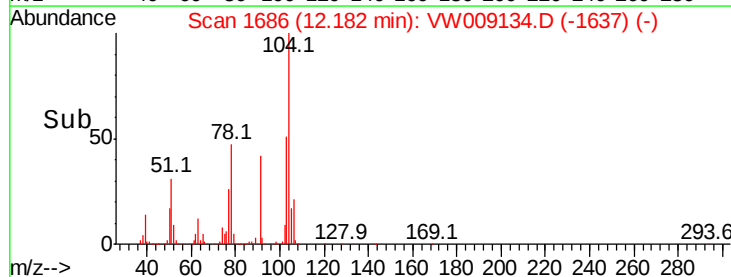
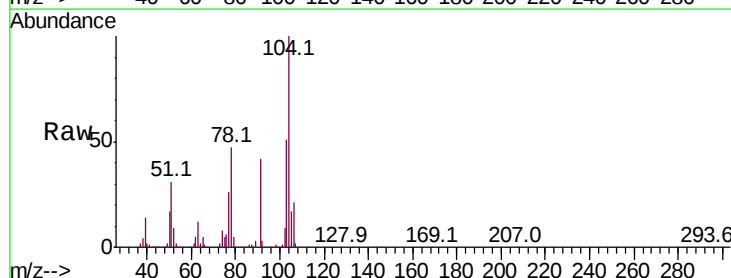
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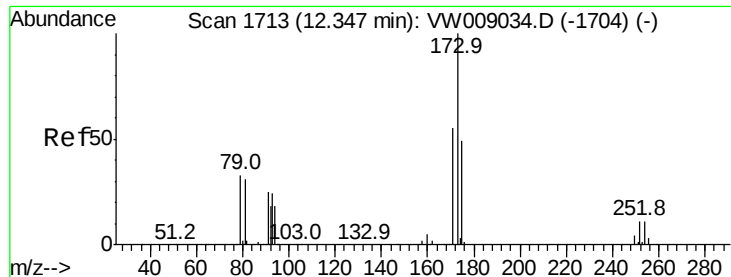
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#70
Styrene
Concen: 52.200 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW009134.D
Acq: 13 Mar 2019 03:36

Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.7	42.1	63.1
103	54.9	43.9	65.9





#71

Bromoform

Concen: 55.214 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW009134.D

Acq: 13 Mar 2019 03:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 76061

Ion Ratio Lower Upper

173 100

175 47.1 24.6 74.0

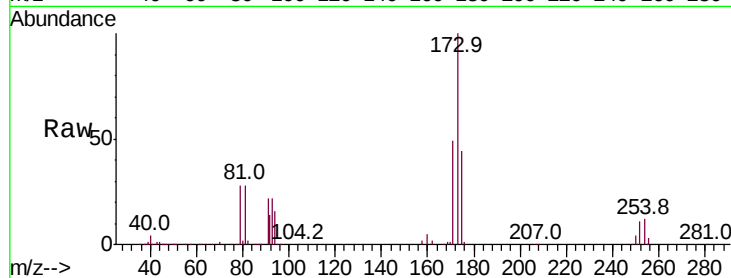
254 0.2 0.0 0.0#

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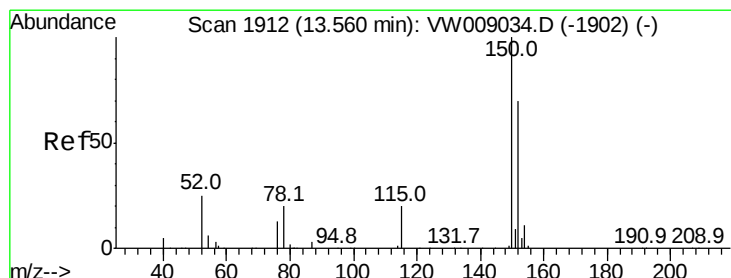
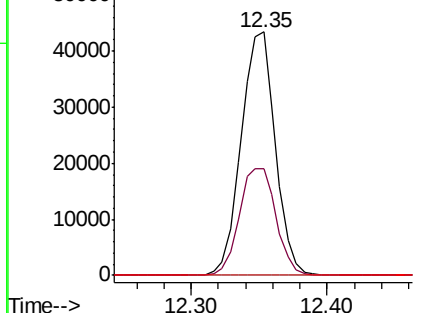
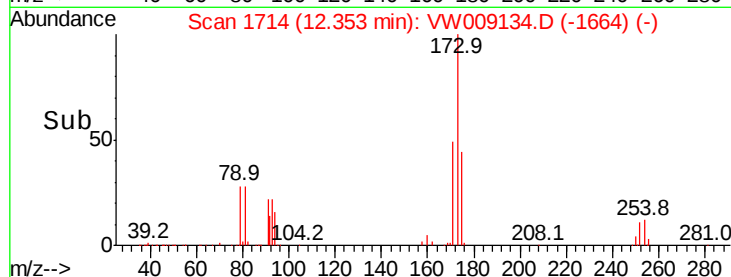
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VW009134.D

Acq: 13 Mar 2019 03:36

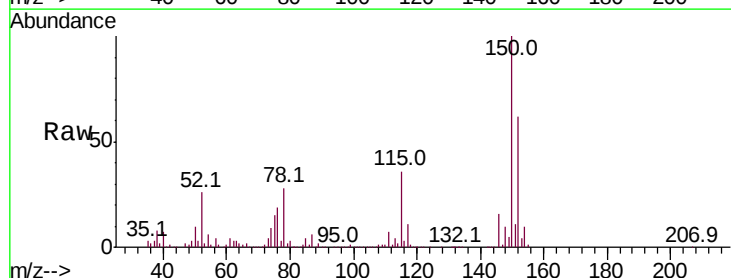
Tgt Ion:152 Resp: 197651

Ion Ratio Lower Upper

152 100

115 59.2 28.9 86.7

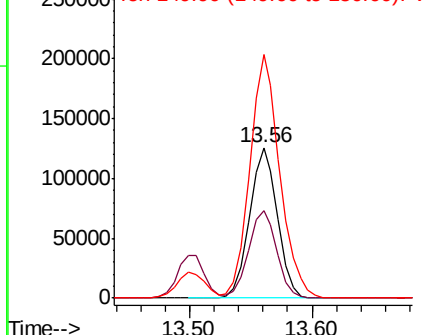
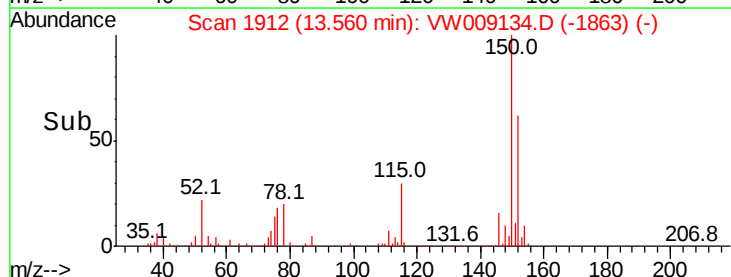
150 175.5 0.0 349.2

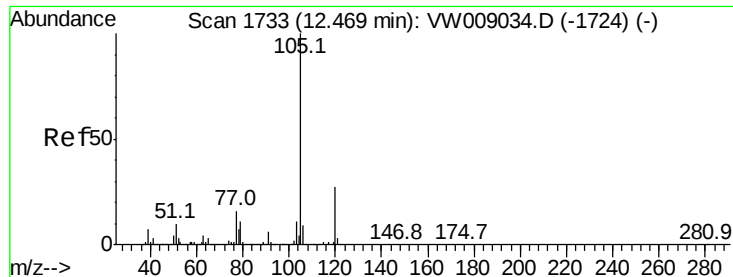


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.724 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW009134.D

Acq: 13 Mar 2019 03:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 703800

Ion Ratio Lower Upper

105 100

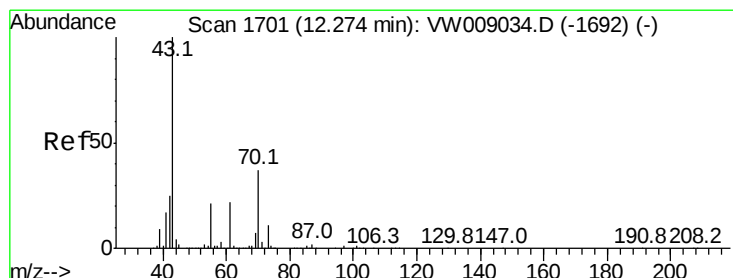
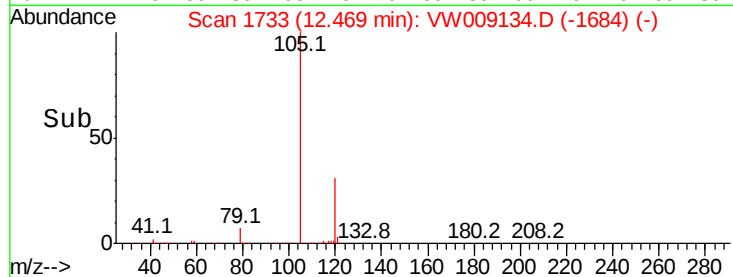
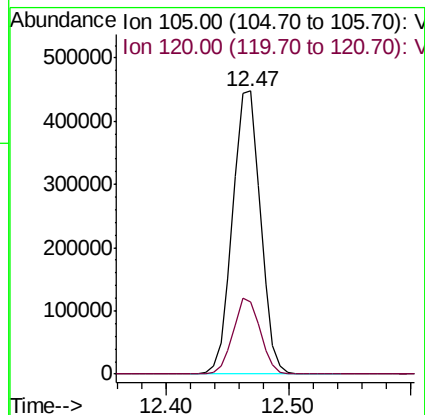
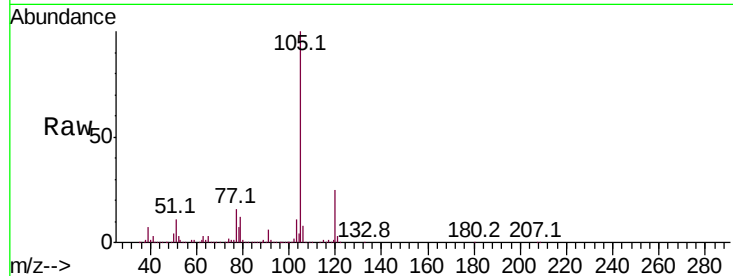
120 26.2 13.2 39.6

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3/14/2019 3:12:37 PM



#74

N-ethyl acetate

Concen: 57.540 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW009134.D

Acq: 13 Mar 2019 03:36

Tgt Ion: 43 Resp: 192798

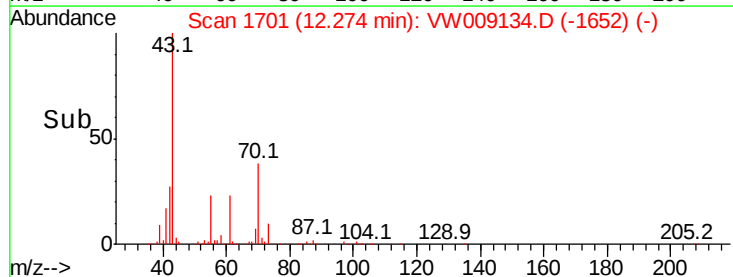
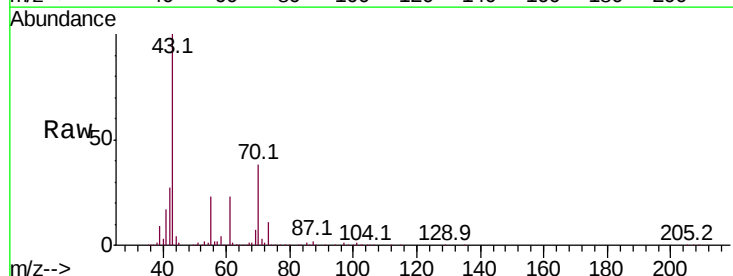
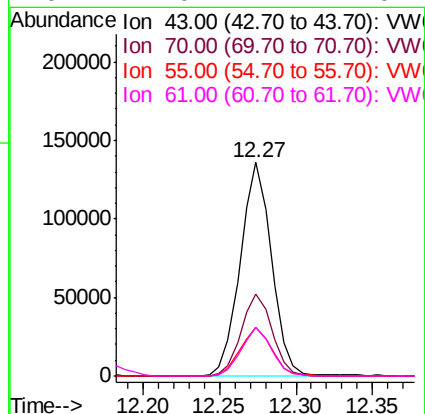
Ion Ratio Lower Upper

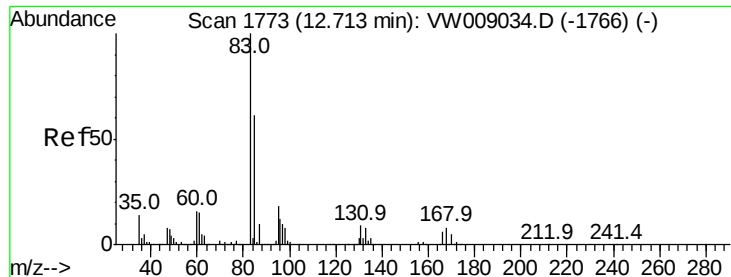
43 100

70 38.2 30.8 46.2

55 23.1 17.8 26.8

61 22.0 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 54.609 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW009134.D

Acq: 13 Mar 2019 03:36

Instrument :

MSVOA_W

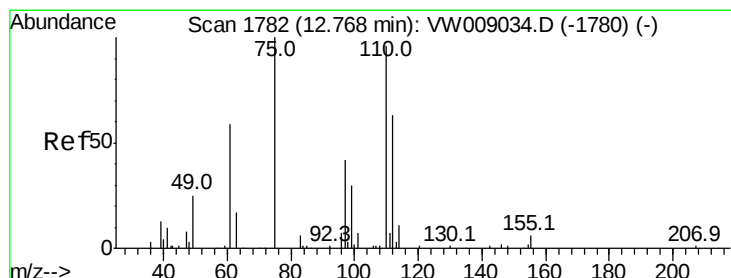
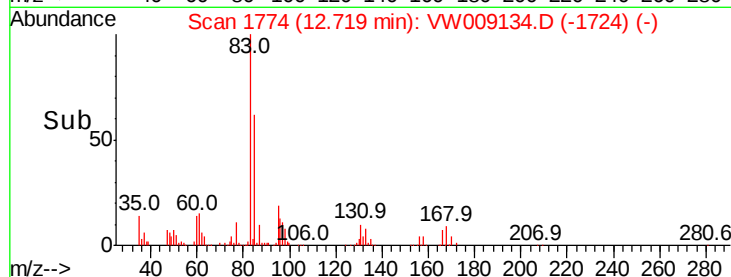
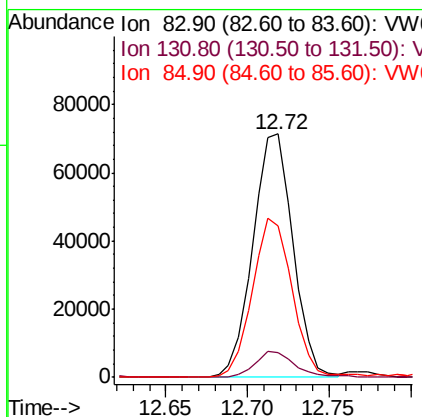
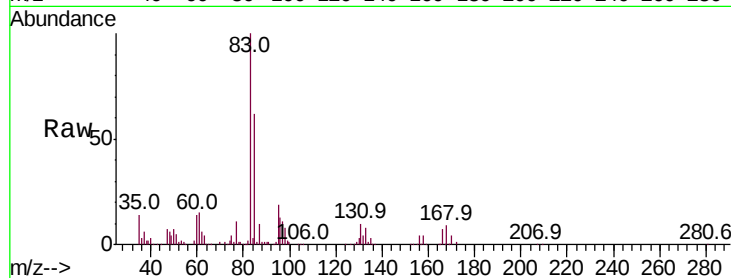
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	121923
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.5	16.7
85	64.7	31.7	95.1

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3/14/2019 3:12:37 PM



#76

1,2,3-Trichloropropane

Concen: 56.951 ug/l m

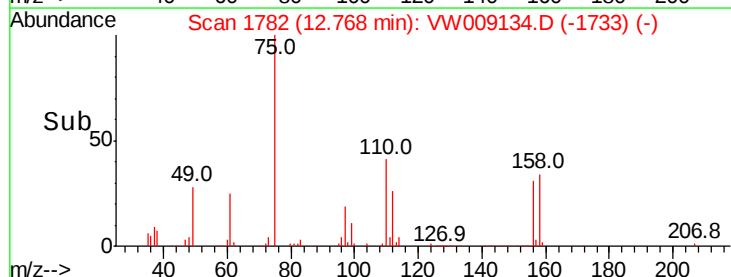
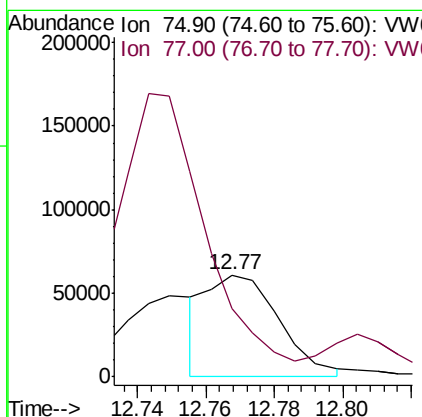
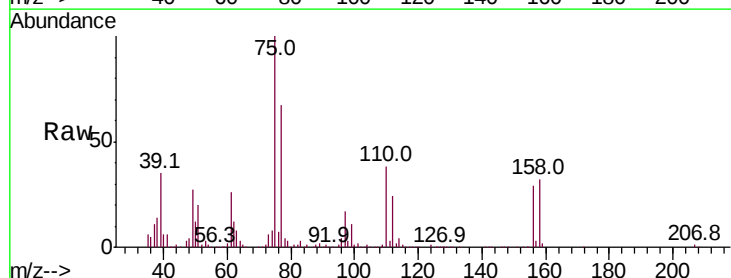
RT: 12.77 min Scan# 1782

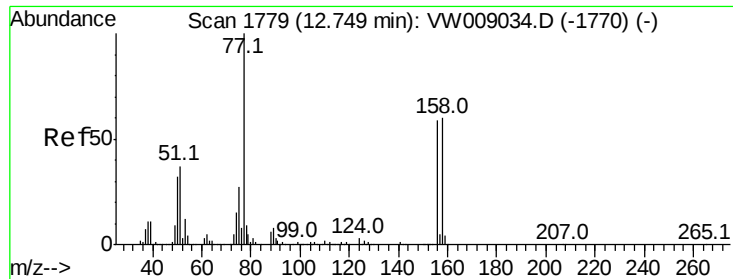
Delta R.T. 0.00 min

Lab File: VW009134.D

Acq: 13 Mar 2019 03:36

Tgt Ion:	75	Resp:	88935
Ion Ratio	Lower	Upper	
75	100		
77	0.0	186.7	560.0#





#77

Bromobenzene

Concen: 51.464 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW009134.D

Acq: 13 Mar 2019 03:36

Instrument :

MSVOA_W

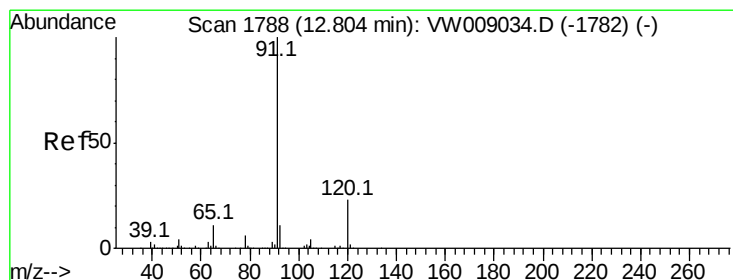
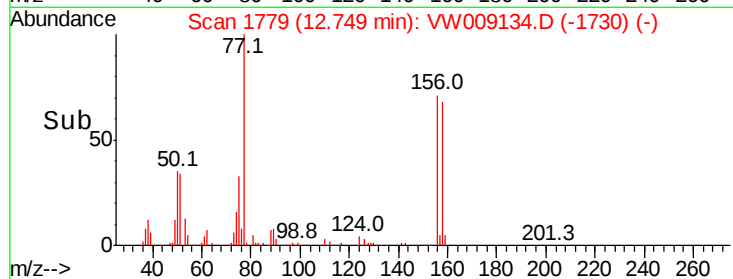
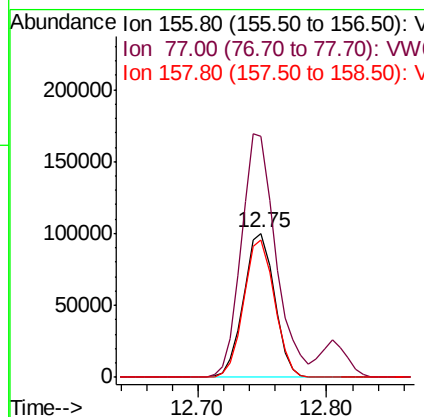
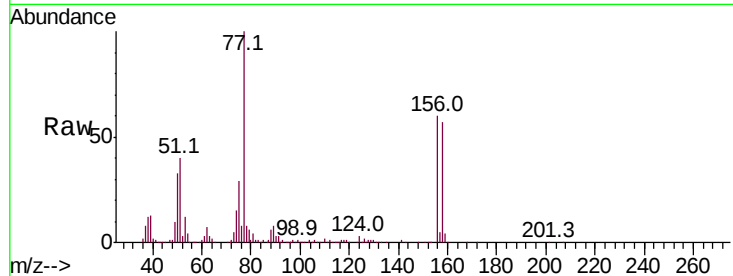
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	166435
Ion Ratio	Lower	Upper	
156	100		
77	188.1	93.0	279.2
158	94.8	50.0	149.8

Manual Integrations
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#78

n-propylbenzene

Concen: 49.297 ug/l

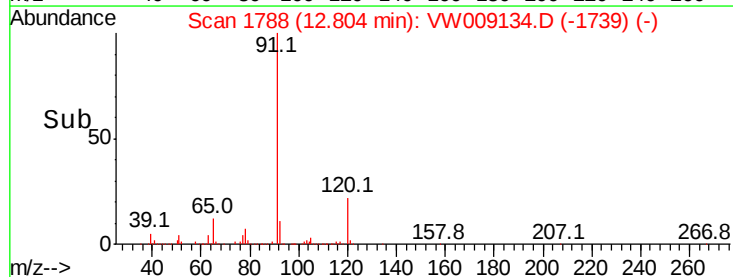
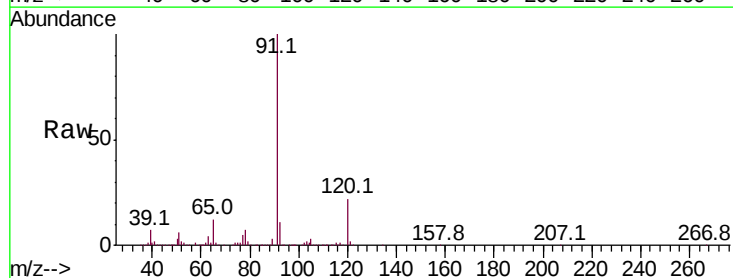
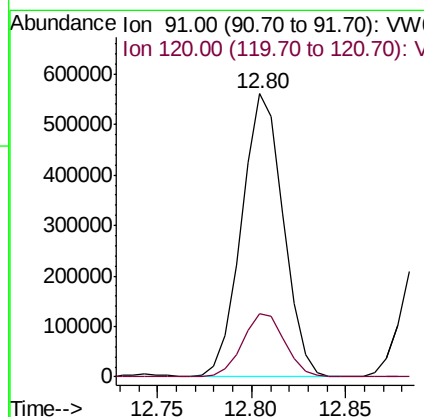
RT: 12.80 min Scan# 1788

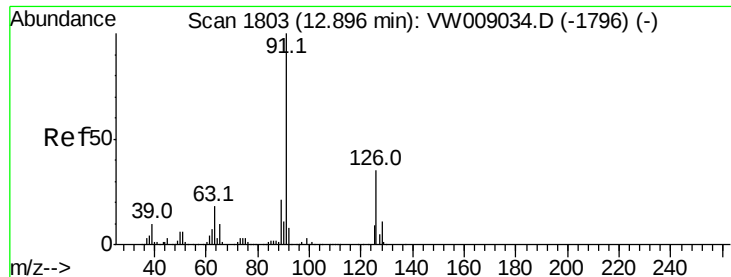
Delta R.T. -0.00 min

Lab File: VW009134.D

Acq: 13 Mar 2019 03:36

Tgt Ion:	91	Resp:	859452
Ion Ratio	Lower	Upper	
91	100		
120	22.6	11.4	34.2





#79

2-Chlorotoluene

Concen: 51.035 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW009134.D

Acq: 13 Mar 2019 03:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 499907

Ion Ratio Lower Upper

91 100

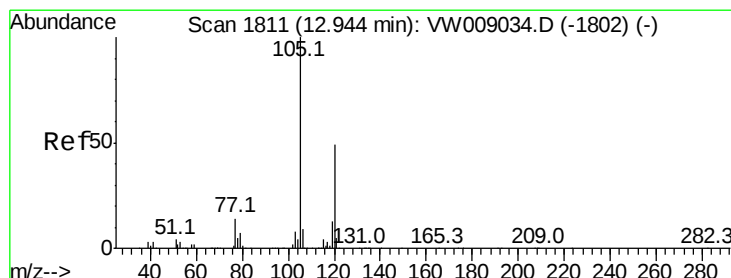
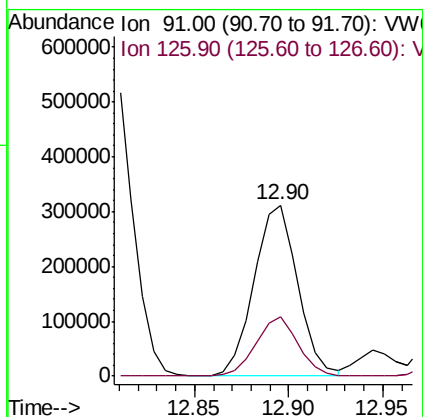
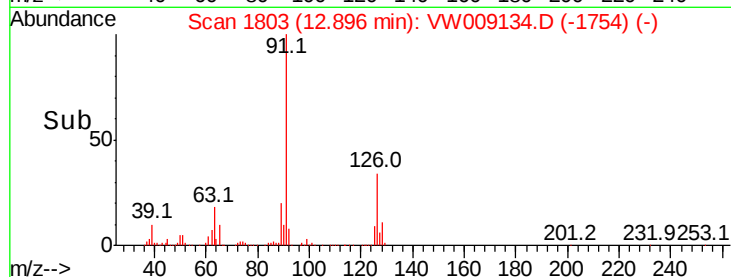
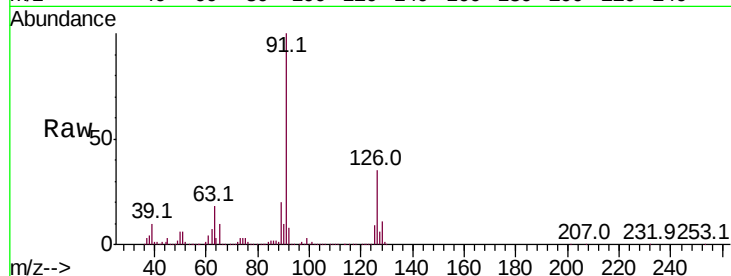
126 33.3 16.8 50.4

Manual Integrations

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3/14/2019 3:12:37 PM



#80

1,3,5-Trimethylbenzene

Concen: 50.176 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW009134.D

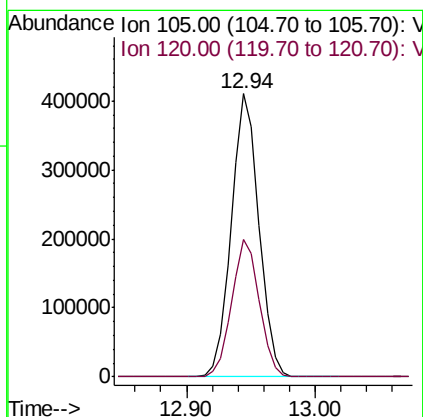
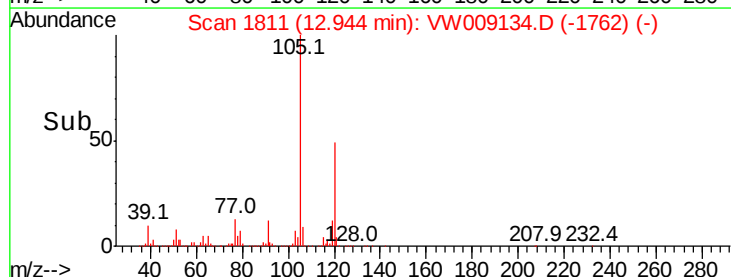
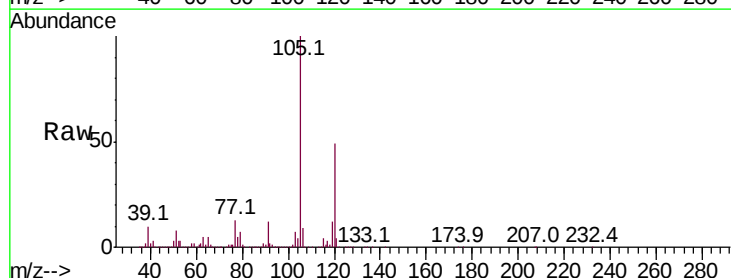
Acq: 13 Mar 2019 03:36

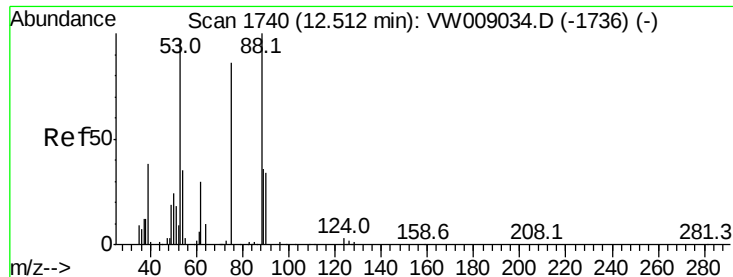
Tgt Ion:105 Resp: 612176

Ion Ratio Lower Upper

105 100

120 48.8 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 52.105 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW009134.D

Acq: 13 Mar 2019 03:36

Instrument :

MSVOA_W

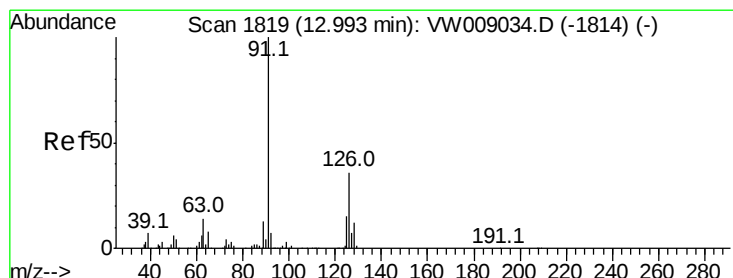
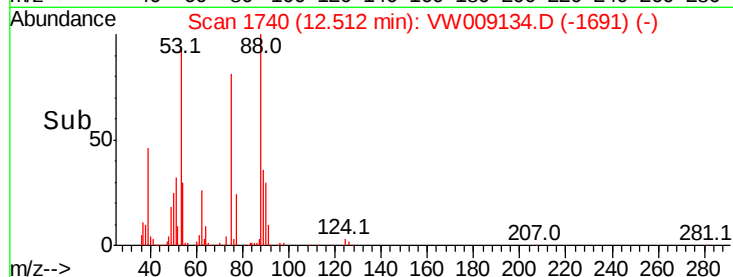
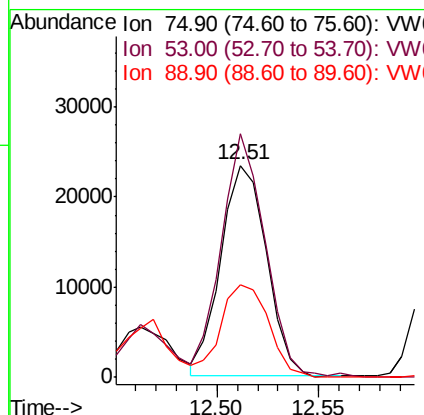
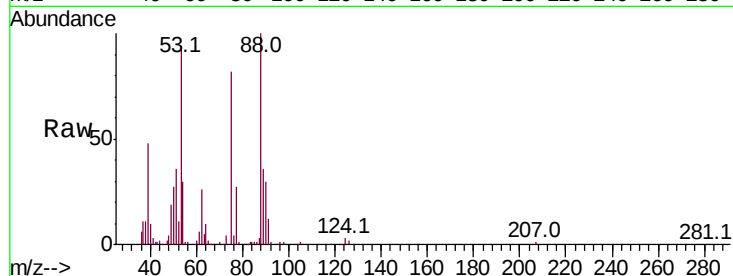
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	36378
Ion	Ratio	Lower	Upper
75	100		
53	111.3	90.5	135.7
89	46.5	37.5	56.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 50.227 ug/l

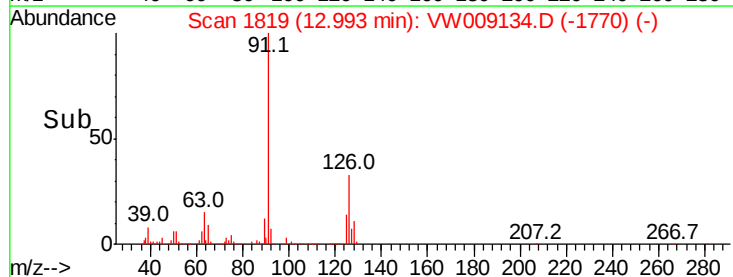
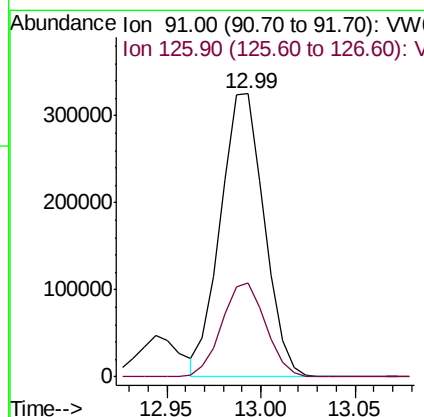
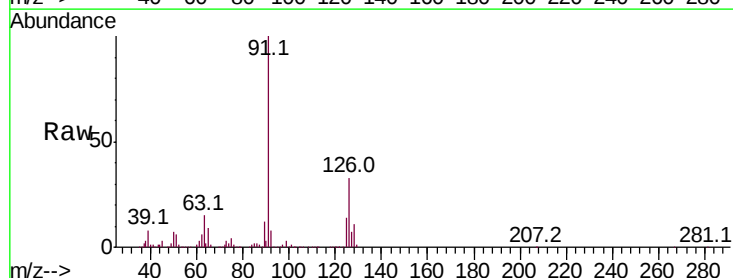
RT: 12.99 min Scan# 1819

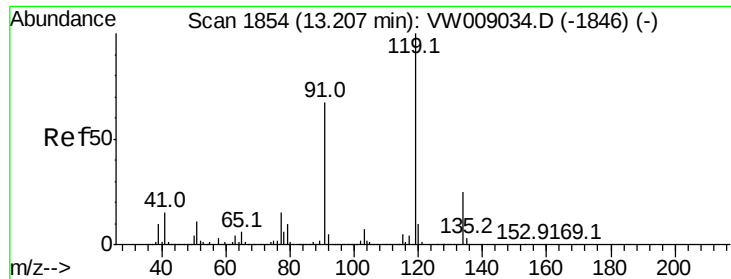
Delta R.T. -0.00 min

Lab File: VW009134.D

Acq: 13 Mar 2019 03:36

Tgt Ion:	91	Resp:	524440
Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.6	49.8





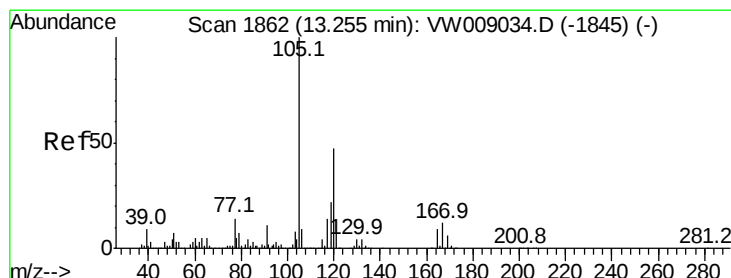
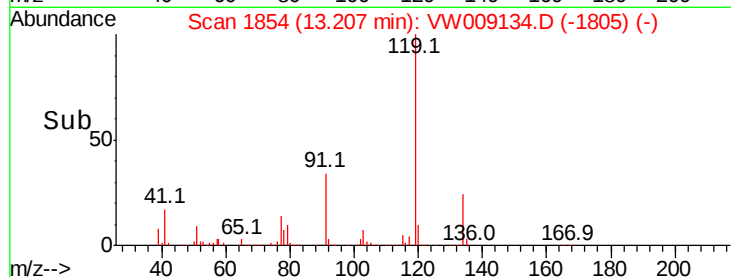
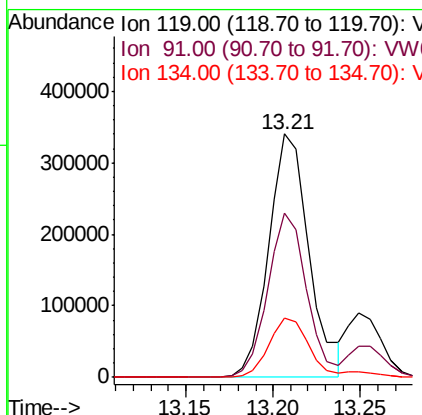
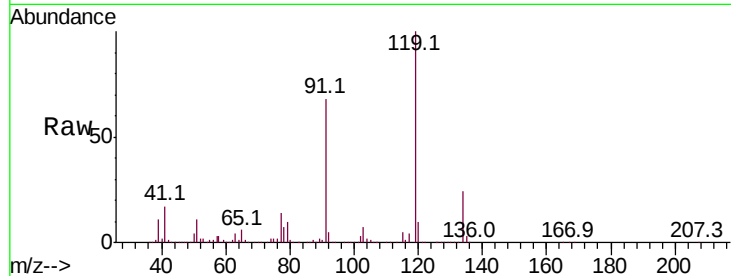
#83
 tert-Butylbenzene
 Concen: 53.156 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW009134.D
 Acq: 13 Mar 2019 03:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.2	34.2	102.5
134	25.7	13.9	41.6

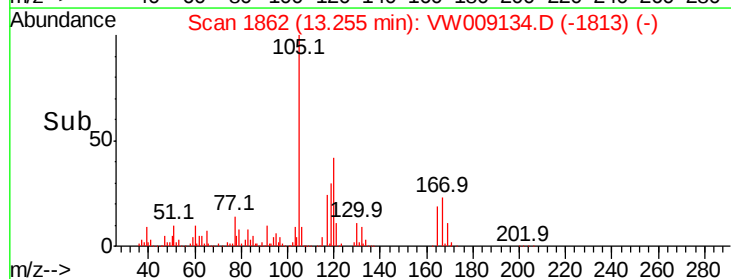
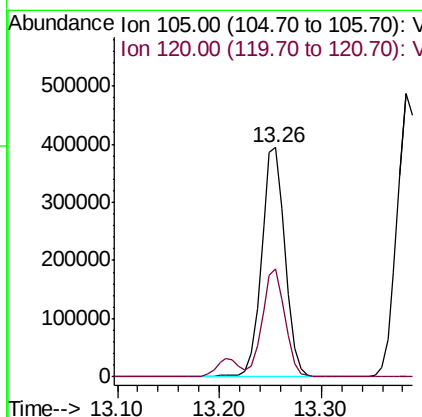
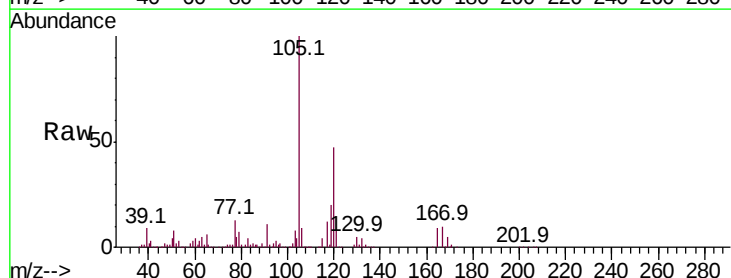
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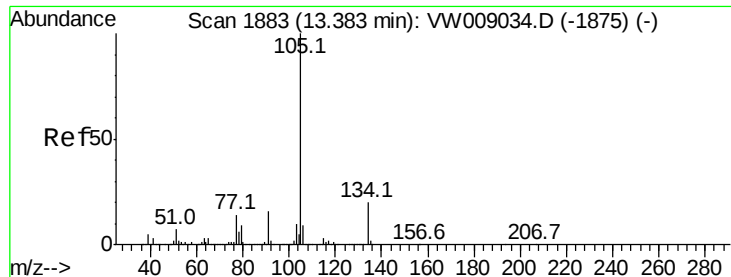
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.907 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW009134.D
 Acq: 13 Mar 2019 03:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.8	68.4





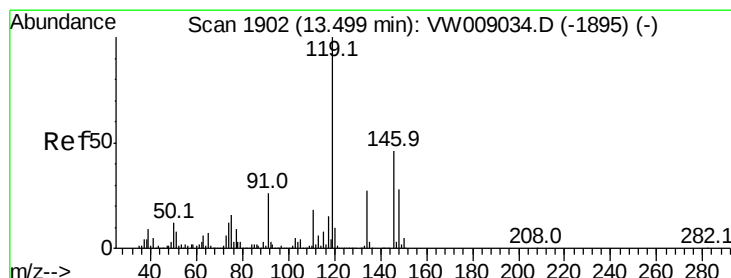
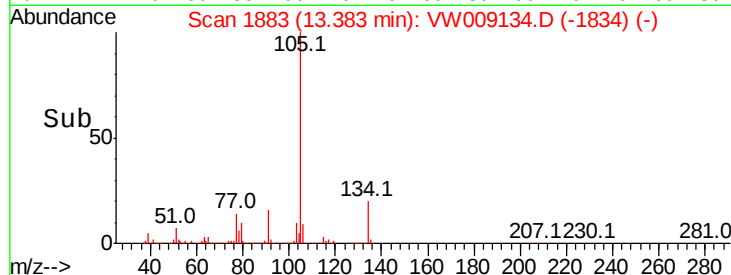
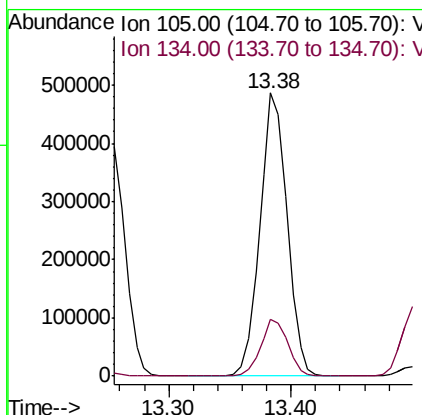
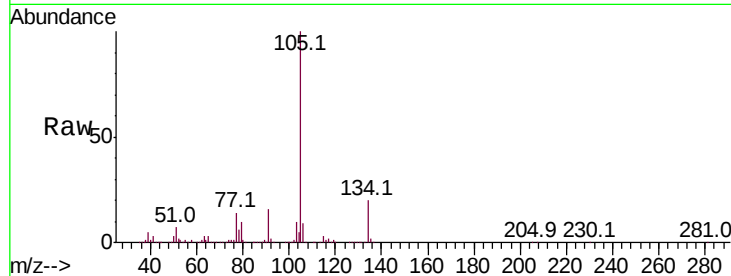
#85
 sec-Butylbenzene
 Concen: 49.350 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW009134.D
 Acq: 13 Mar 2019 03:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 752373
 Ion Ratio Lower Upper
 105 100
 134 20.1 10.0 30.0

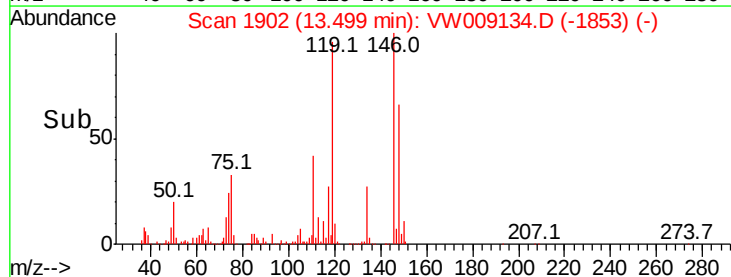
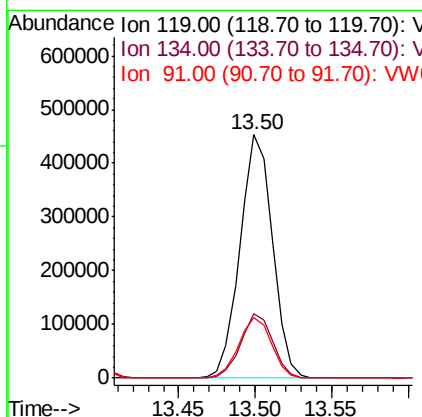
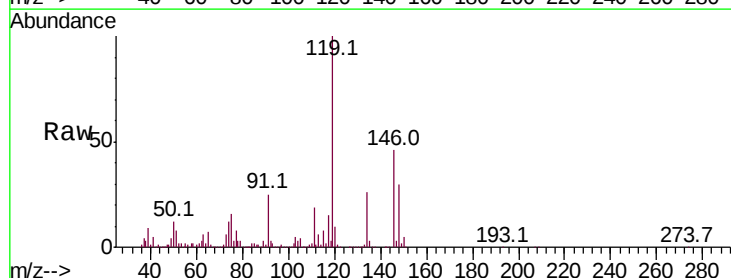
Manual Integrations
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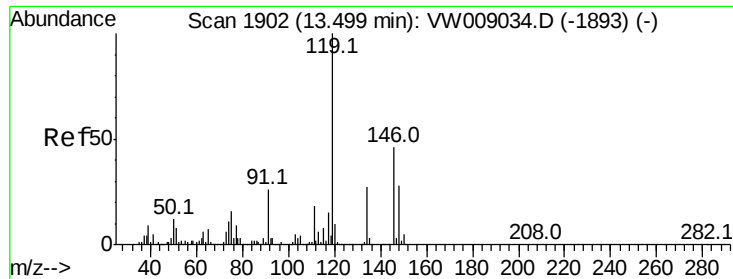
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 48.922 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW009134.D
 Acq: 13 Mar 2019 03:36

Tgt Ion:119 Resp: 667211
 Ion Ratio Lower Upper
 119 100
 134 26.2 13.3 39.9
 91 25.1 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 50.016 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW009134.D

Acq: 13 Mar 2019 03:36

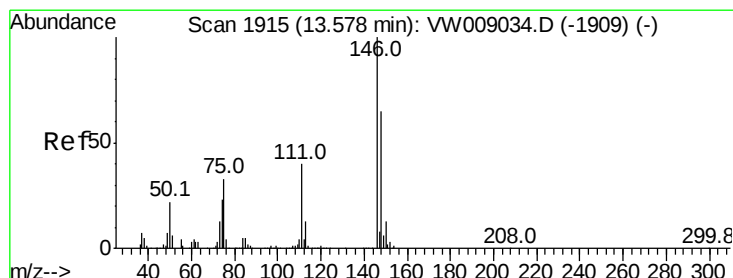
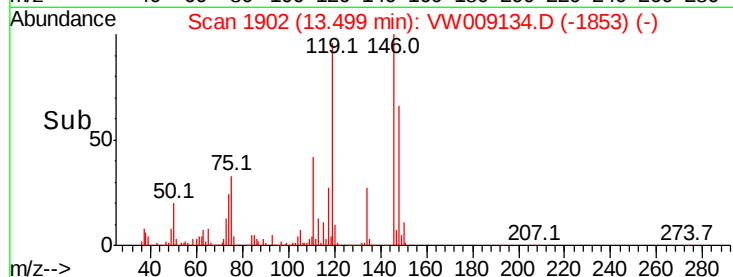
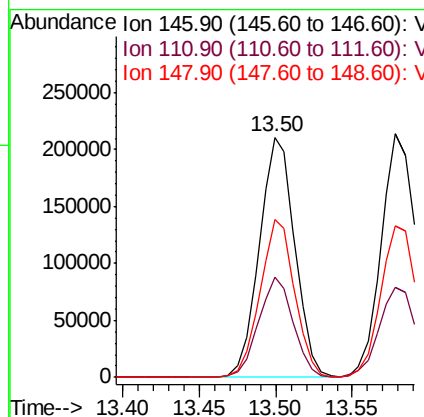
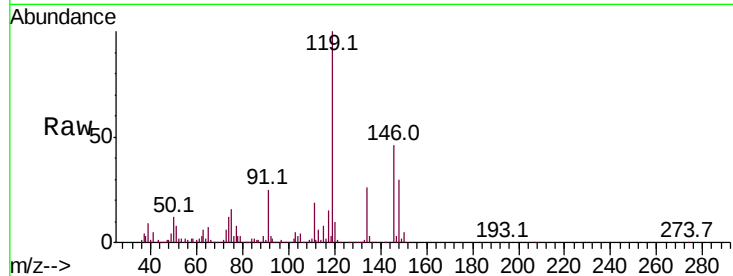
Instrument :
MSVOA_W

ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	19.8	59.4
148	64.1	31.6	94.8

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 50.049 ug/l

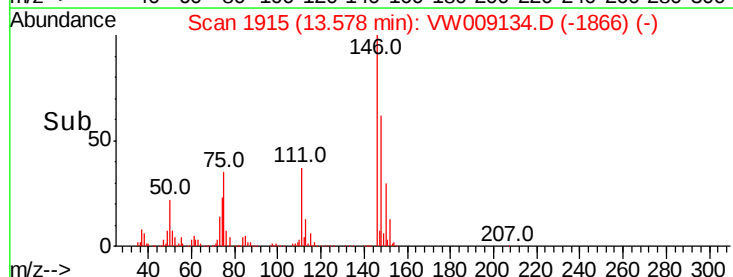
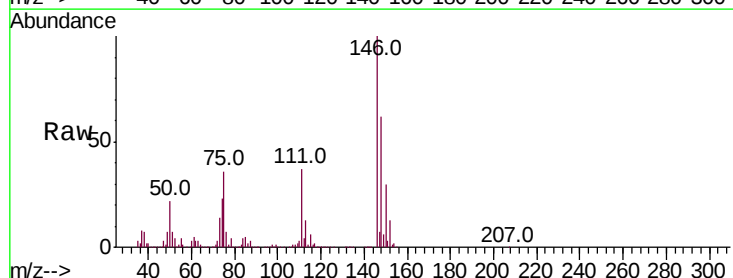
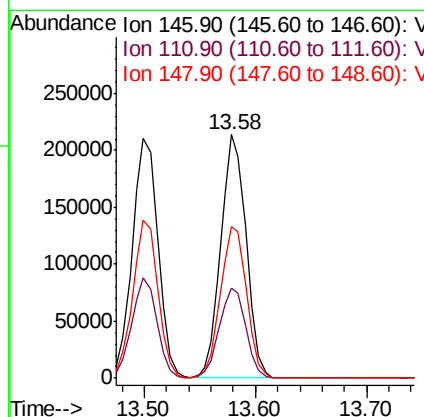
RT: 13.58 min Scan# 1915

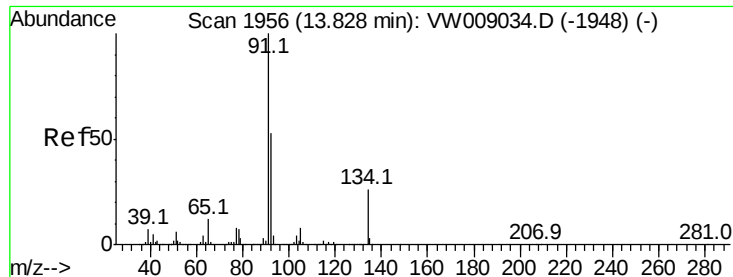
Delta R.T. 0.00 min

Lab File: VW009134.D

Acq: 13 Mar 2019 03:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.7	59.0
148	64.3	32.2	96.6





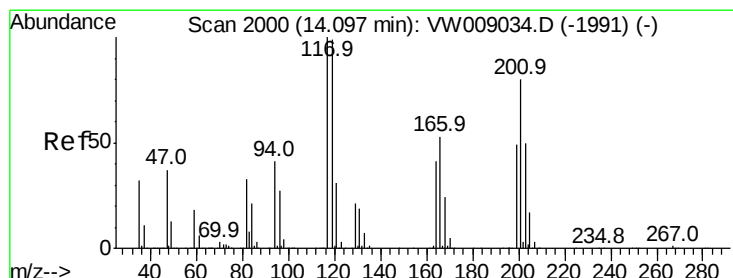
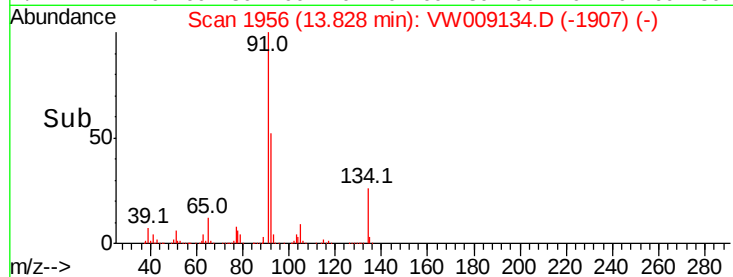
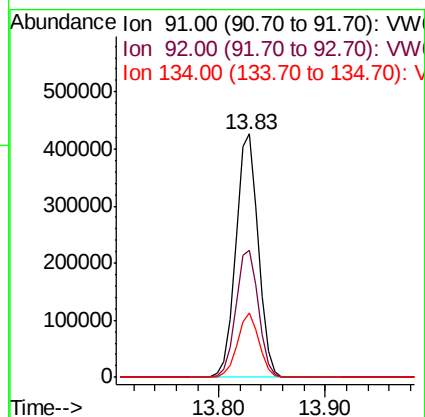
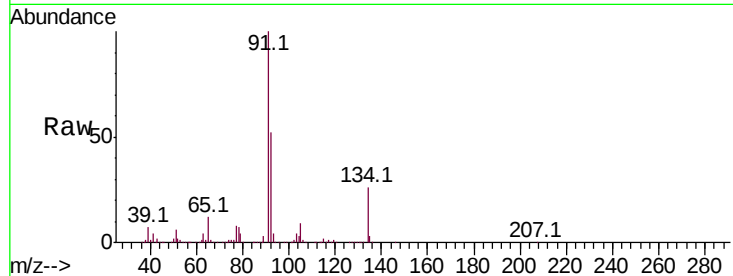
#89
n-Butylbenzene
Concen: 48.390 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW009134.D
Acq: 13 Mar 2019 03:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.8	80.3
134	25.5	12.9	38.7

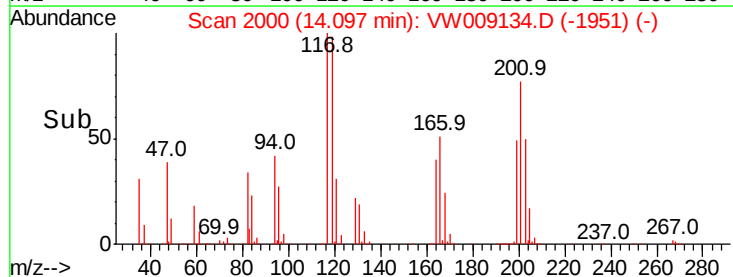
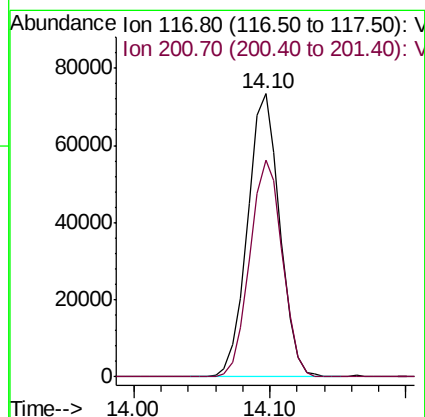
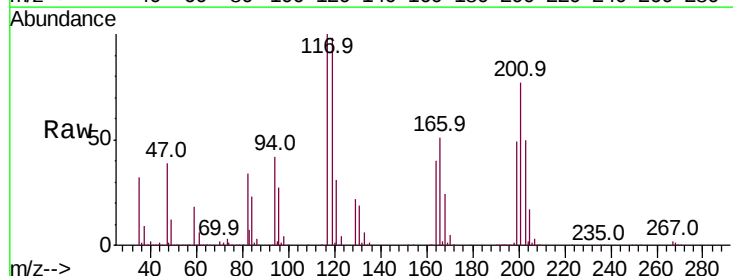
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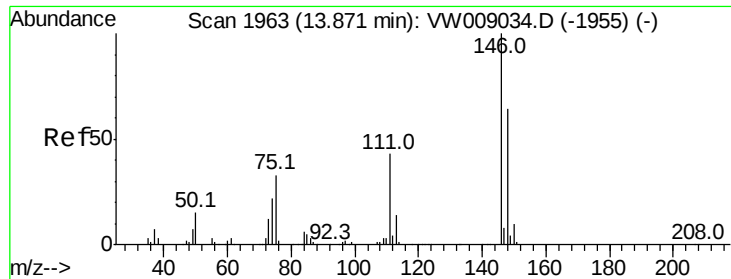
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#90
Hexachloroethane
Concen: 51.721 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW009134.D
Acq: 13 Mar 2019 03:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.5	39.1	117.5





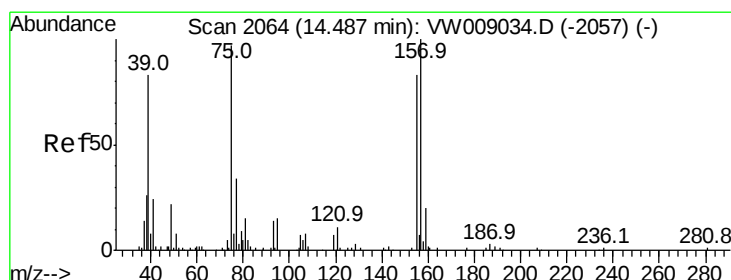
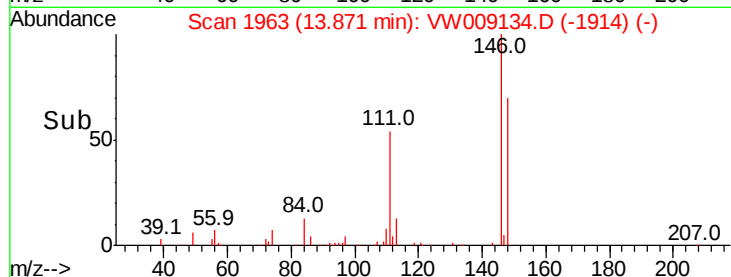
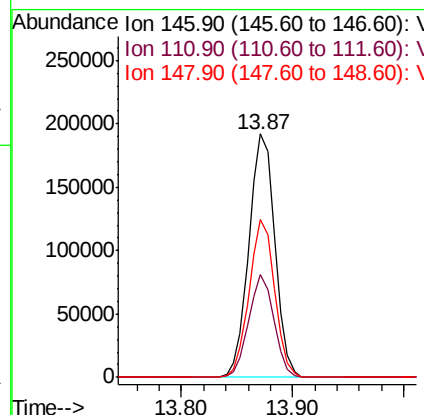
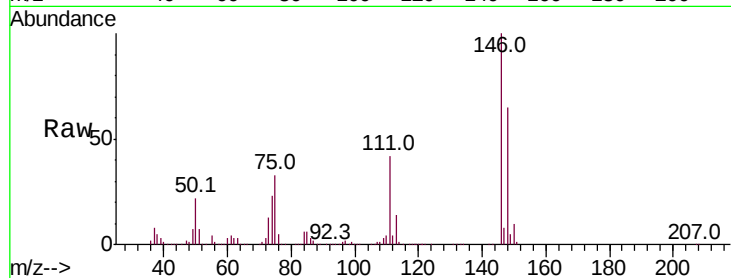
#91
 1,2-Dichlorobenzene
 Concen: 51.912 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW009134.D
 Acq: 13 Mar 2019 03:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	21.1	63.1
148	63.8	32.3	96.9

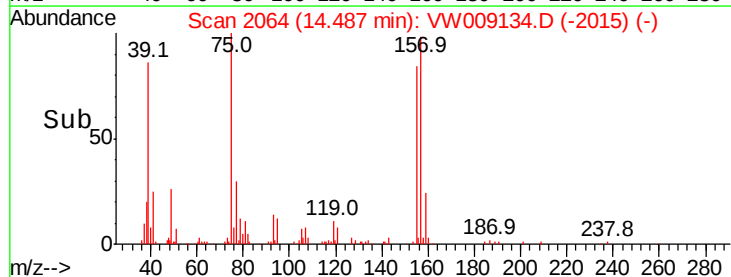
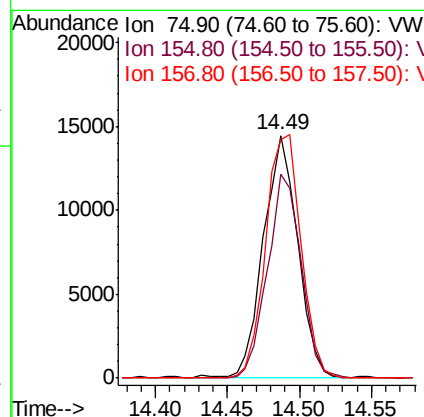
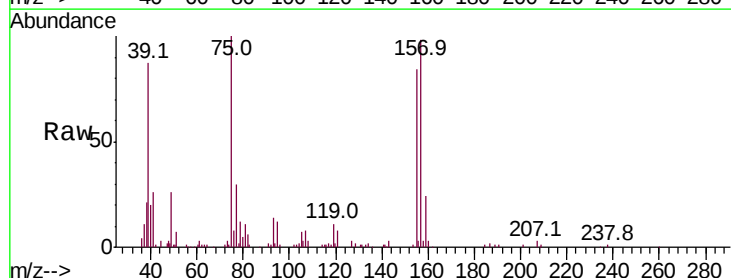
Manual Integrations
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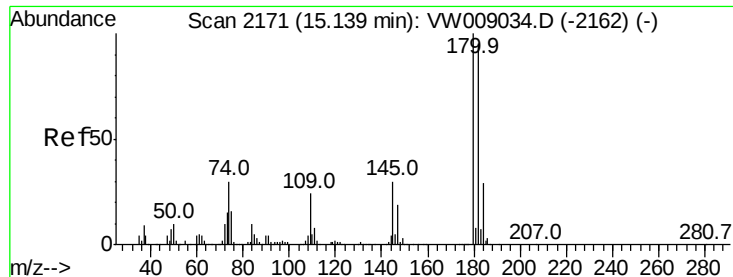
MMDadoda
 3/14/2019 3:12:37 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 60.088 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW009134.D
 Acq: 13 Mar 2019 03:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.2	40.8	122.4
157	103.5	52.4	157.3





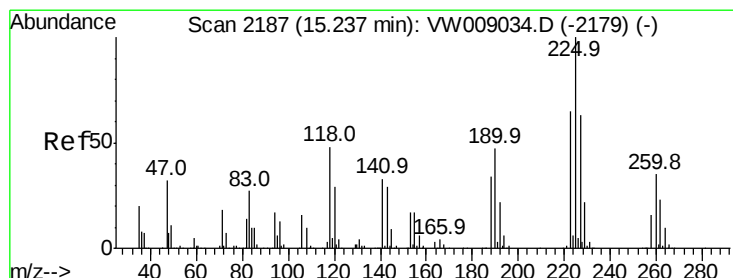
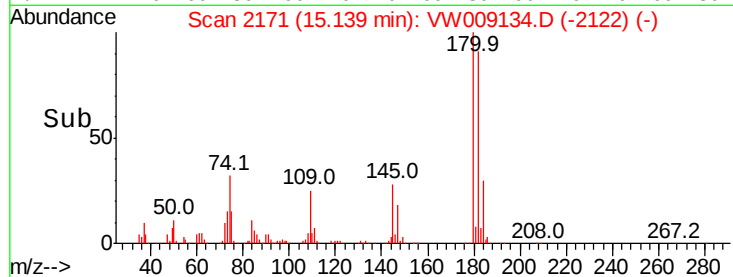
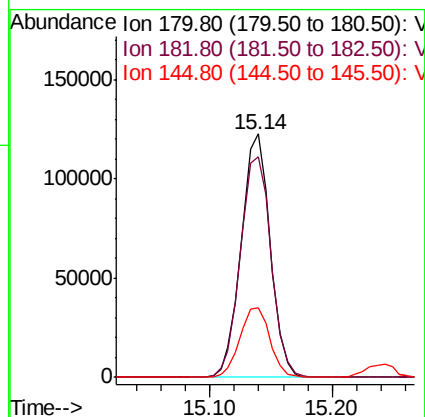
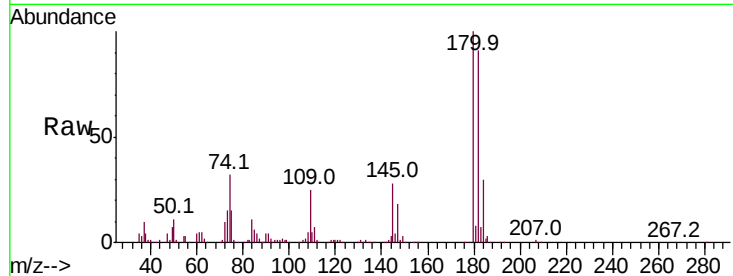
#93
1,2,4-Trichlorobenzene
Concen: 49.756 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VW009134.D
Acq: 13 Mar 2019 03:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	201497		
182	96.0	48.1	144.3	
145	29.7	15.4	46.1	

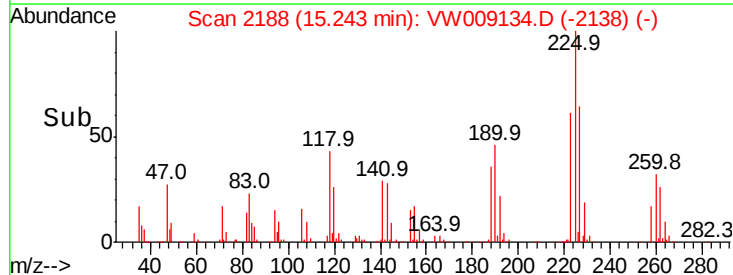
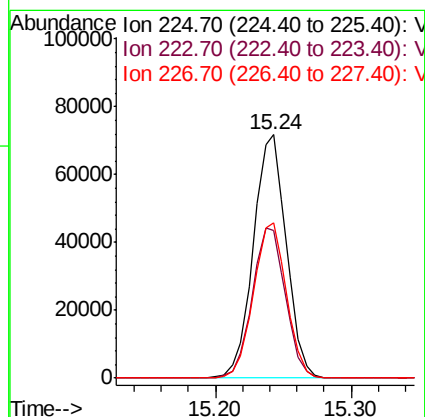
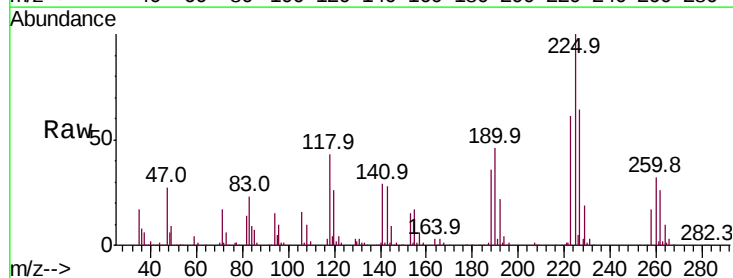
Manual Integrations
APPROVED

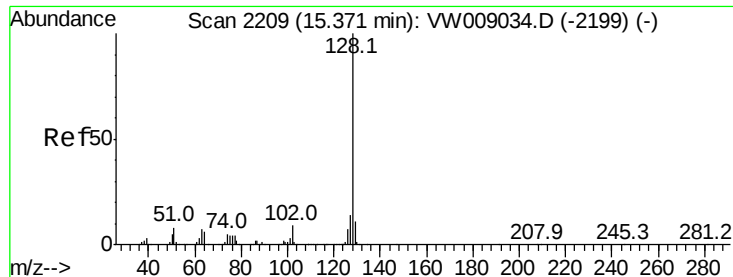
MMDadoda
3/14/2019 3:12:37 PM



#94
Hexachlorobutadiene
Concen: 47.936 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. 0.01 min
Lab File: VW009134.D
Acq: 13 Mar 2019 03:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	121595		
223	62.2	31.6	94.8	
227	63.9	32.0	96.2	





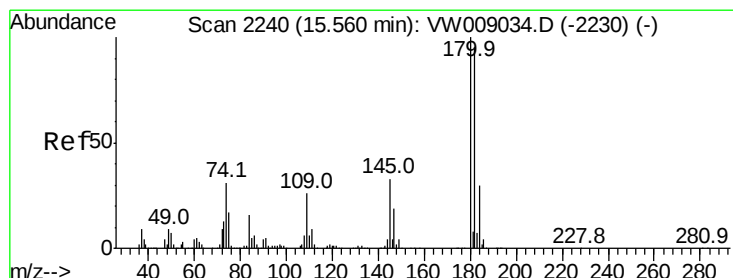
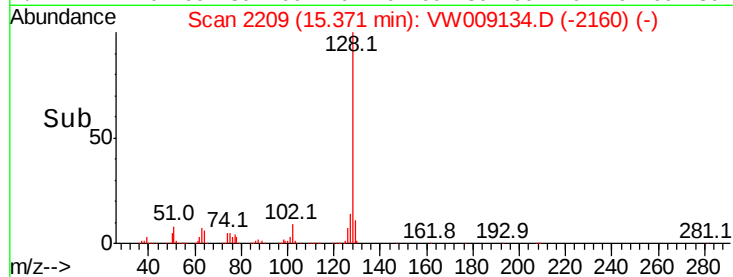
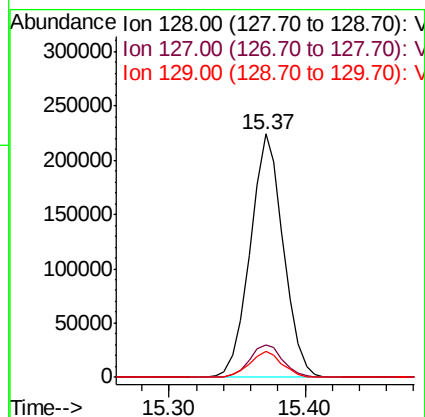
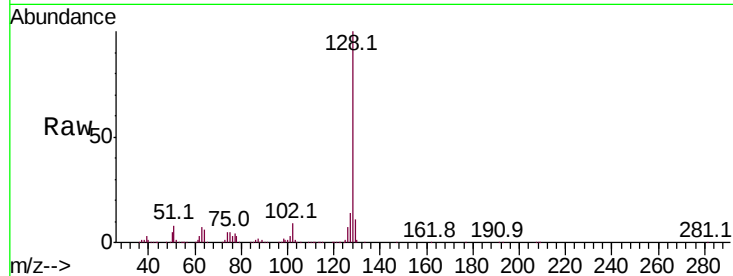
#95
Naphthalene
Concen: 57.551 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW009134.D
Acq: 13 Mar 2019 03:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.8	11.0	16.6
129	10.5	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
3/14/2019 3:12:37 PM



#96
1,2,3-Trichlorobenzene
Concen: 52.025 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW009134.D
Acq: 13 Mar 2019 03:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	48.1	144.3
145	31.9	15.8	47.3

