

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081719\
 Data File : VW011975.D
 Acq On : 16 Aug 2019 19:34
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/19/2019 10:55:25 AM

Quant Time: Aug 17 05:44:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	218129	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	362292	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	322616	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	153421	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	129165	51.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.14%	
35) Dibromofluoromethane	7.88	113	106916	52.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.20%	
50) Toluene-d8	10.32	98	435275	52.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.62%	
62) 4-Bromofluorobenzene	12.62	95	158704	53.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	58714	48.298	ug/l	90
3) Chloromethane	2.21	50	101269	48.041	ug/l	98
4) Vinyl Chloride	2.36	62	126369	49.794	ug/l	98
5) Bromomethane	2.74	94	64828	46.149	ug/l	96
6) Chloroethane	2.91	64	76502	52.772	ug/l	98
7) Trichlorofluoromethane	3.24	101	60468	53.313	ug/l	92
8) Diethyl Ether	3.68	74	67406	52.416	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	113134	52.582	ug/l	99
10) Methyl Iodide	4.26	142	165368	54.388	ug/l	99
11) Tert butyl alcohol	5.17	59	46901	254.012	ug/l	100
12) 1,1-Dichloroethene	4.04	96	117004	51.505	ug/l	99
13) Acrolein	3.88	56	35018	194.846	ug/l	99
14) Allyl chloride	4.66	41	255431	52.865	ug/l	99
15) Acrylonitrile	5.36	53	173268	269.910	ug/l	98
16) Acetone	4.12	43	153689	192.895	ug/l	100
17) Carbon Disulfide	4.38	76	340156	47.841	ug/l	100
18) Methyl Acetate	4.67	43	95393	53.296	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	199529	55.349	ug/l	100
20) Methylene Chloride	4.92	84	135138	49.180	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	129179	52.744	ug/l	98
22) Diisopropyl ether	6.31	45	503456	55.267	ug/l	98
23) Vinyl Acetate	6.25	43	1515599	264.777	ug/l	99
24) 1,1-Dichloroethane	6.21	63	265093	54.336	ug/l	99
25) 2-Butanone	7.17	43	240790	230.958	ug/l	97
26) 2,2-Dichloropropane	7.16	77	133308	44.430	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	144678	53.673	ug/l	97
28) Bromochloromethane	7.51	49	112619	52.006	ug/l #	98
29) Tetrahydrofuran	7.53	42	157690	264.607	ug/l	100
30) Chloroform	7.68	83	240150	53.354	ug/l	99
31) Cyclohexane	7.95	56	229788	49.066	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	187644	54.741	ug/l	98
36) 1,1-Dichloropropene	8.08	75	196154	52.069	ug/l	99
37) Ethyl Acetate	7.25	43	108792	50.196	ug/l	98
38) Carbon Tetrachloride	8.07	117	164586	51.035	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	218581	52.694	ug/l	98
40) Benzene	8.32	78	554302	52.530	ug/l	100
41) Methacrylonitrile	7.48	41	66856	51.603	ug/l	98
42) 1,2-Dichloroethane	8.40	62	169546	51.320	ug/l	99
43) Isopropyl Acetate	8.42	43	207705	52.109	ug/l	100
44) Trichloroethene	9.09	130	133913	52.801	ug/l	99
45) 1,2-Dichloropropane	9.37	63	150362	53.256	ug/l	100
46) Dibromomethane	9.46	93	66828	51.859	ug/l	99
47) Bromodichloromethane	9.65	83	179376	53.065	ug/l	100
48) Methyl methacrylate	9.43	41	102489	53.528	ug/l	97
49) 1,4-Dioxane	9.44	88	22650	1213.907	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	540691	260.790	ug/l	100
52) Toluene	10.39	92	340292	53.401	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	184924	52.370	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	222312	52.951	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	97019	53.062	ug/l	99
56) Ethyl methacrylate	10.65	69	146498	54.755	ug/l	99
57) 1,3-Dichloropropane	10.93	76	183571	53.068	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	347285	285.879	ug/l	100
59) 2-Hexanone	10.97	43	371327	253.661	ug/l	100
60) Dibromochloromethane	11.13	129	108955	53.684	ug/l	98
61) 1,2-Dibromoethane	11.24	107	90498	52.303	ug/l	100
64) Tetrachloroethene	10.86	164	112665	53.635	ug/l	98
65) Chlorobenzene	11.66	112	343450	52.952	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	120305	53.250	ug/l	99
67) Ethyl Benzene	11.73	91	663645	53.723	ug/l	99
68) m/p-Xylenes	11.84	106	475090	105.753	ug/l	100
69) o-Xylene	12.16	106	226061	54.151	ug/l	99
70) Styrene	12.18	104	392938	54.439	ug/l	99
71) Bromoform	12.35	173	59961	52.053	ug/l #	98
73) Isopropylbenzene	12.46	105	623645	54.488	ug/l	100
74) N-amyl acetate	12.27	43	198735	55.461	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	112263	52.145	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	79508m	48.977	ug/l	
77) Bromobenzene	12.75	156	137156	54.216	ug/l	99
78) n-propylbenzene	12.80	91	749239	53.789	ug/l	100
79) 2-Chlorotoluene	12.89	91	428648	53.416	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	526400	54.866	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	36624	51.994	ug/l	97
82) 4-Chlorotoluene	12.99	91	441908	52.486	ug/l	99
83) tert-Butylbenzene	13.21	119	449367	56.009	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	528992	54.734	ug/l	99
85) sec-Butylbenzene	13.38	105	638811	55.801	ug/l	100
86) p-Isopropyltoluene	13.50	119	570522	54.927	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	263574	53.135	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	257394	52.163	ug/l	99
89) n-Butylbenzene	13.82	91	565881	54.592	ug/l	100
90) Hexachloroethane	14.10	117	99620	54.238	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	235509	53.680	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	18954	51.628	ug/l	97

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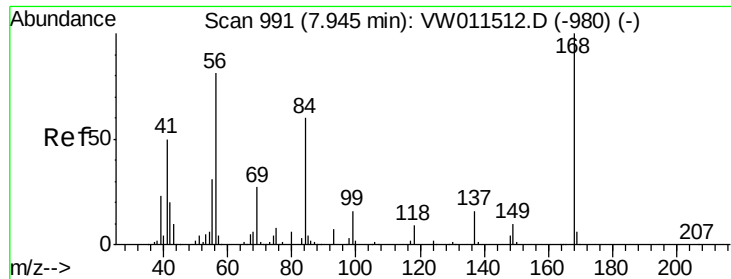
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	166559	53.868	ug/l	99
94) Hexachlorobutadiene	15.24	225	106561	55.263	ug/l	99
95) Naphthalene	15.36	128	315015	51.927	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	146843	54.179	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW011975.D

Acq: 16 Aug 2019 19:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 168 Resp: 218129

Ion Ratio Lower Upper

168 100

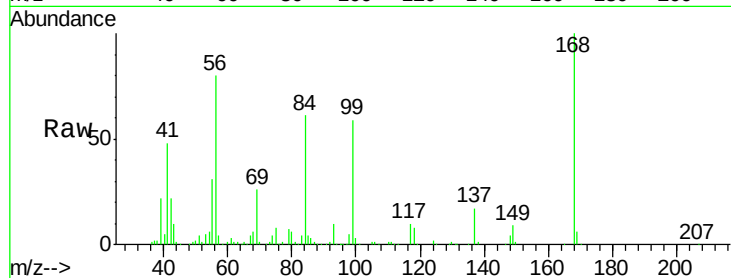
99 58.8 48.2 72.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

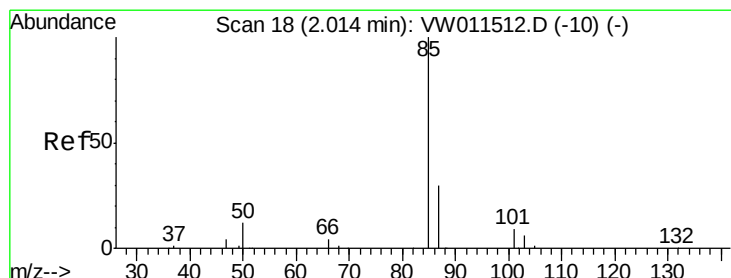
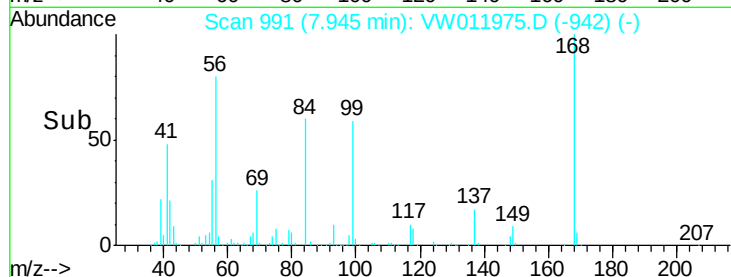
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 48.298 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011975.D

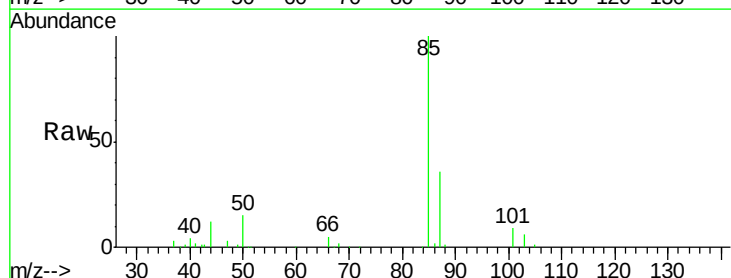
Acq: 16 Aug 2019 19:34

Tgt Ion: 85 Resp: 58714

Ion Ratio Lower Upper

85 100

87 35.8 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

20000

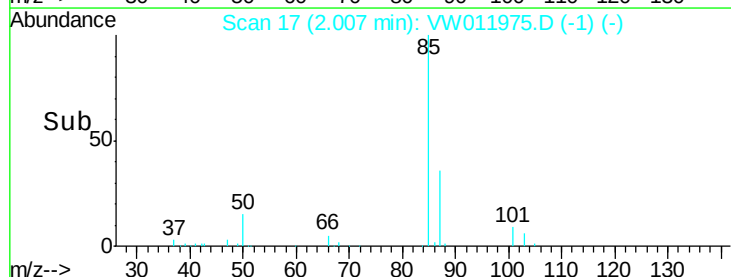
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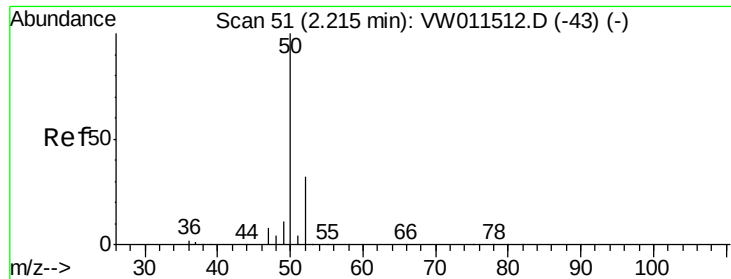
10000

5000

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Time-->





#3

Chloromethane

Concen: 48.041 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW011975.D

Acq: 16 Aug 2019 19:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 101269

Ion Ratio Lower Upper

50 100

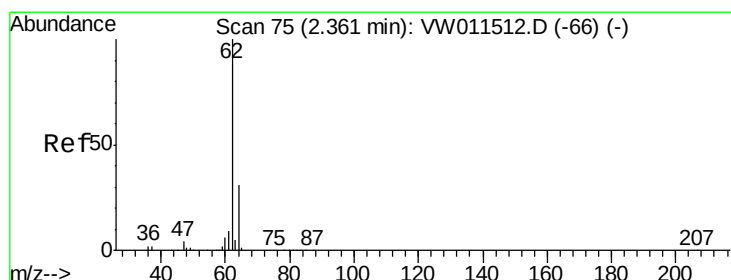
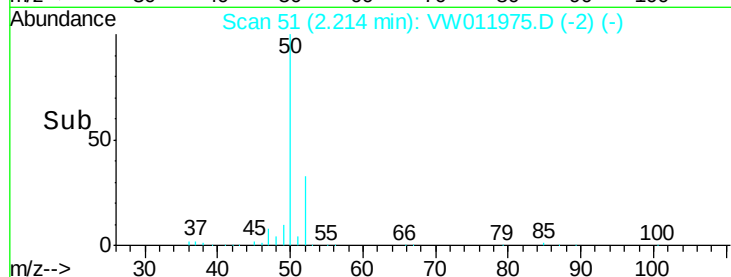
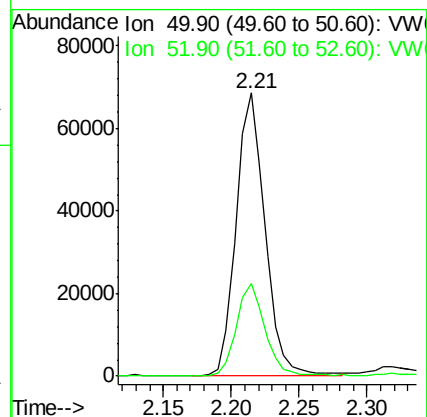
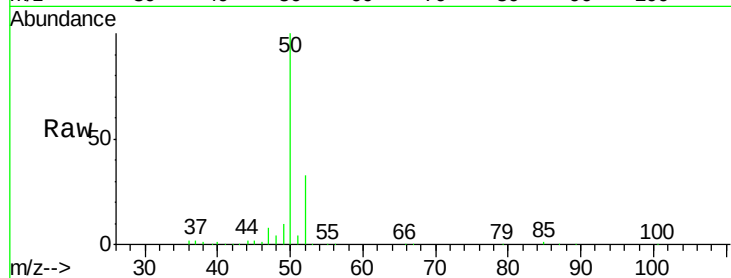
52 32.7 25.4 38.2

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#4

Vinyl Chloride

Concen: 49.794 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW011975.D

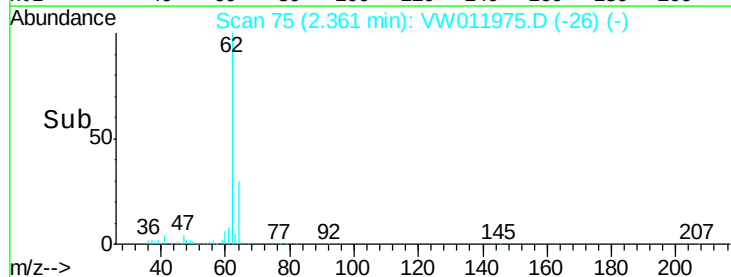
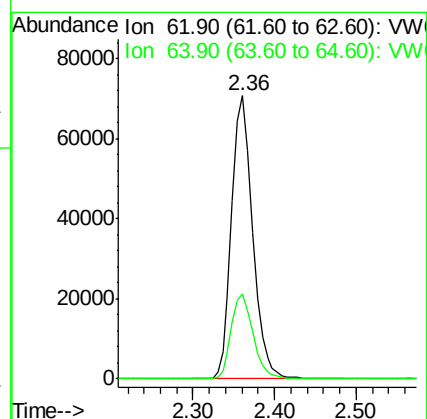
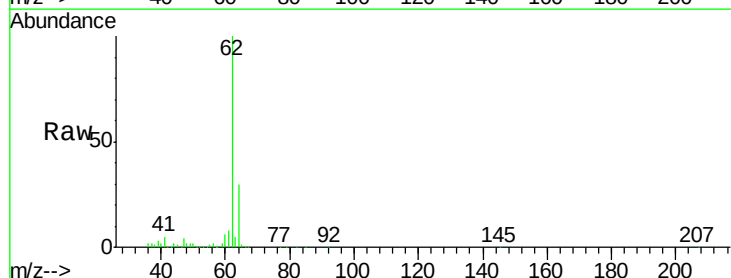
Acq: 16 Aug 2019 19:34

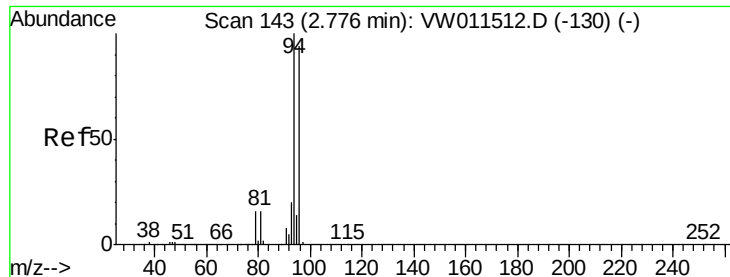
Tgt Ion: 62 Resp: 126369

Ion Ratio Lower Upper

62 100

64 29.9 25.0 37.4





#5

Bromomethane

Concen: 46.149 ug/l

RT: 2.74 min Scan# 137

Delta R.T. -0.04 min

Lab File: VW011975.D

Acq: 16 Aug 2019 19:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 64828

Ion Ratio Lower Upper

94 100

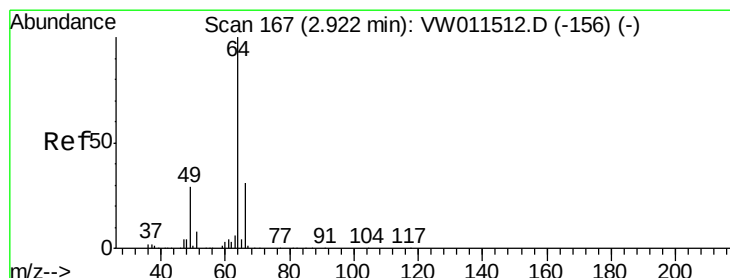
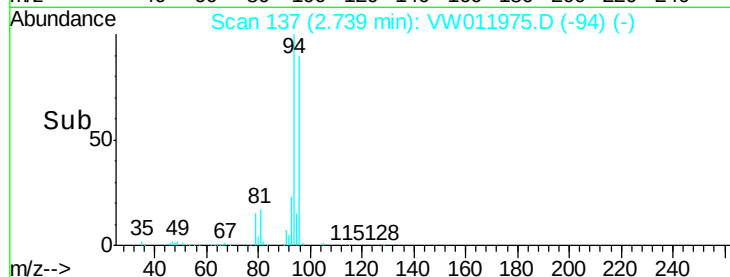
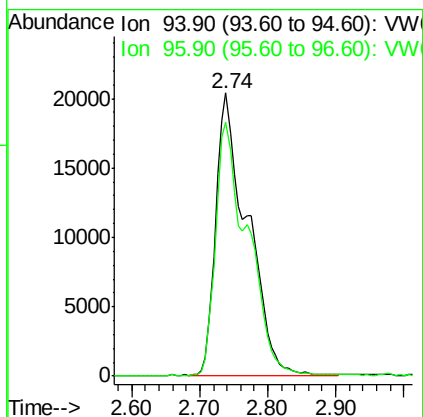
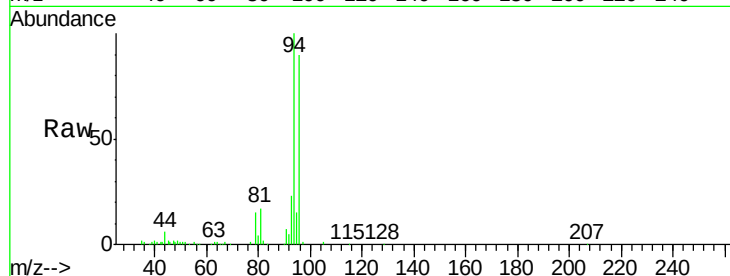
96 90.0 75.0 112.6

Manual Integrations

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#6

Chloroethane

Concen: 52.772 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW011975.D

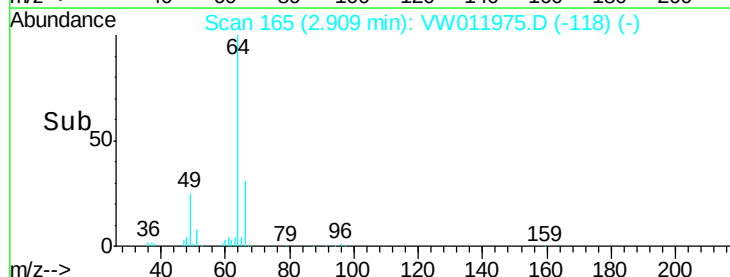
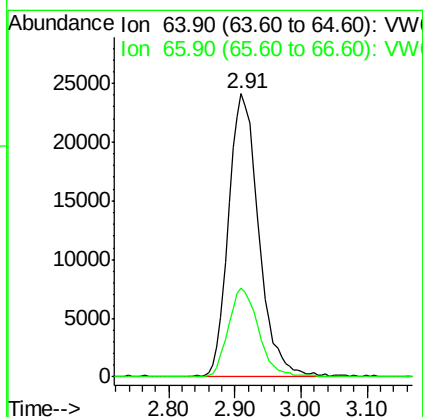
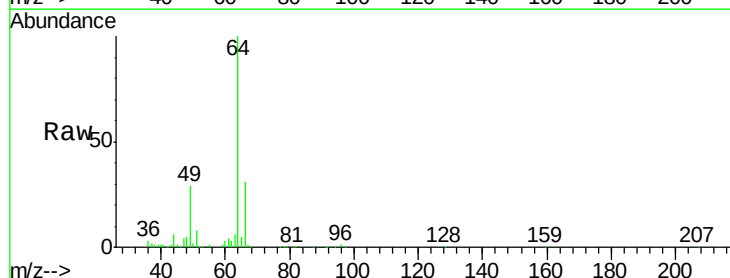
Acq: 16 Aug 2019 19:34

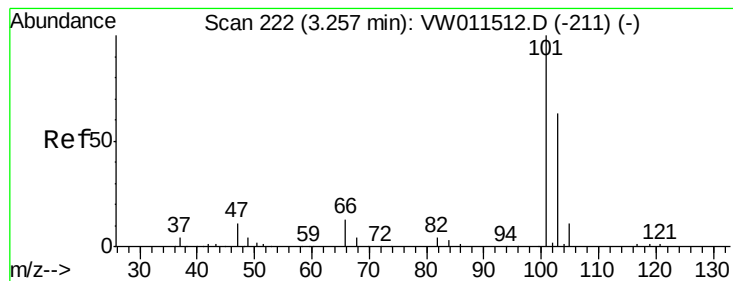
Tgt Ion: 64 Resp: 76502

Ion Ratio Lower Upper

64 100

66 31.6 24.6 36.8





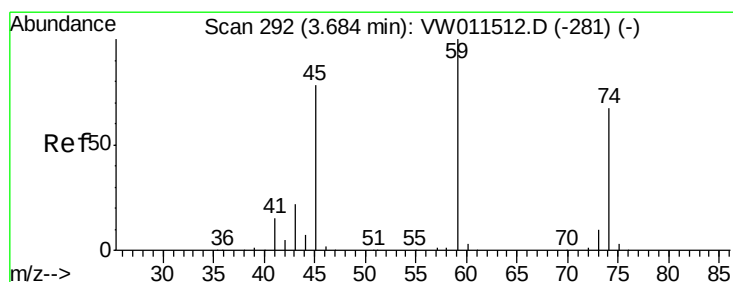
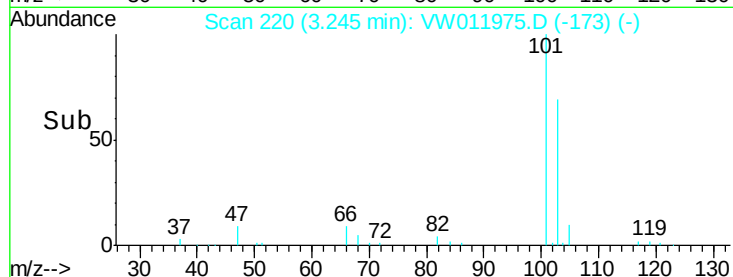
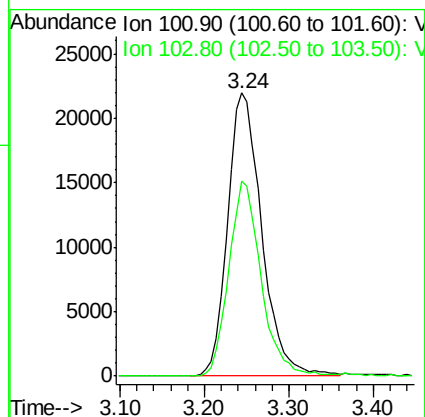
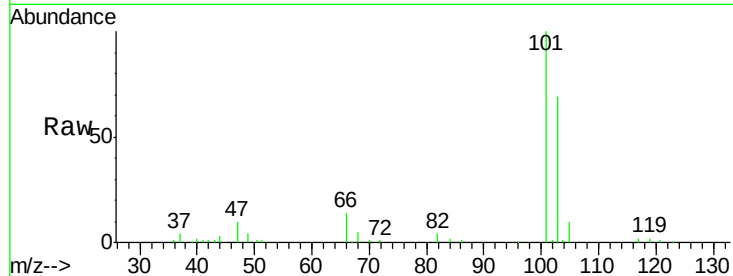
#7
 Trichlorofluoromethane
 Concen: 53.313 ug/l
 RT: 3.24 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW011975.D
 Acq: 16 Aug 2019 19:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 101 Resp: 60468
 Ion Ratio Lower Upper
 101 100
 103 68.9 50.2 75.4

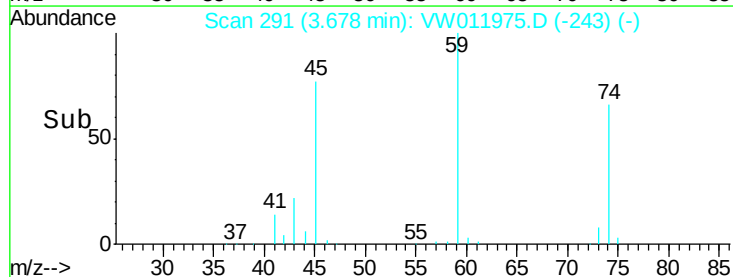
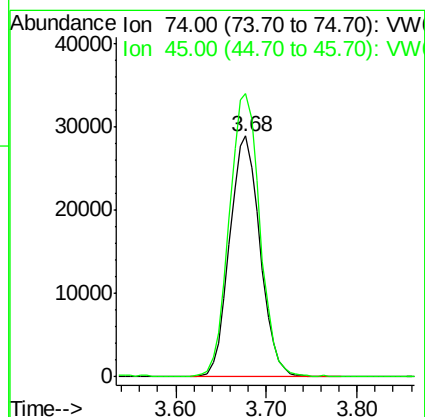
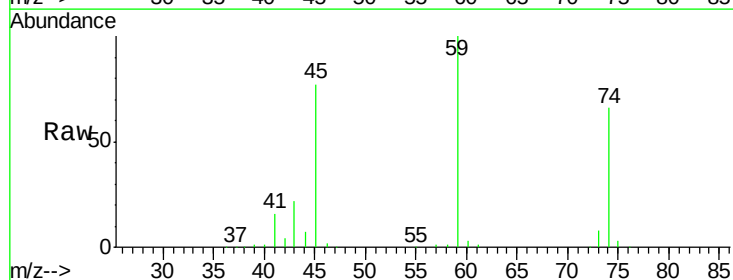
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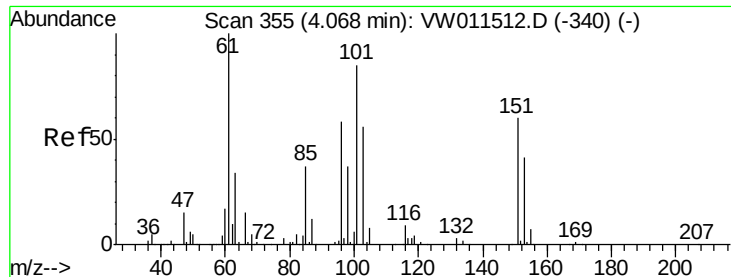
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 8/19/2019 10:55:25 AM



#8
 Diethyl Ether
 Concen: 52.416 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW011975.D
 Acq: 16 Aug 2019 19:34

Tgt Ion: 74 Resp: 67406
 Ion Ratio Lower Upper
 74 100
 45 118.0 59.6 178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.582 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW011975.D

Acq: 16 Aug 2019 19:34

Instrument :

MSVOA_W

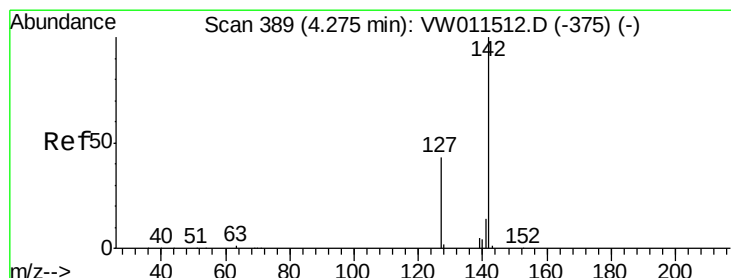
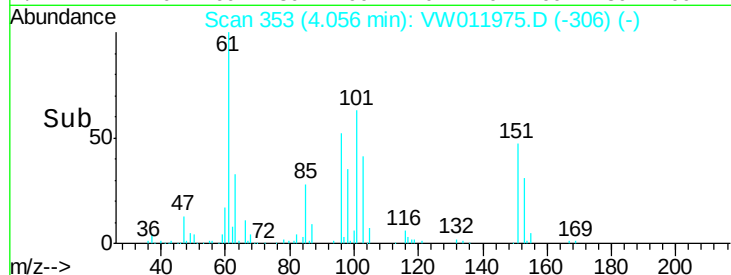
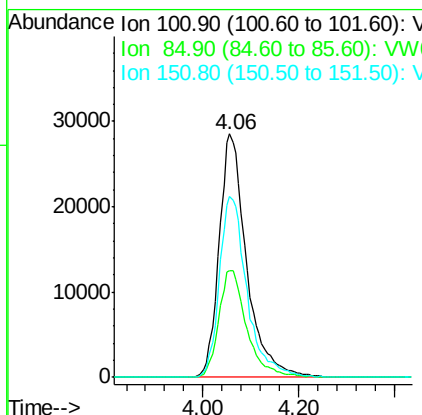
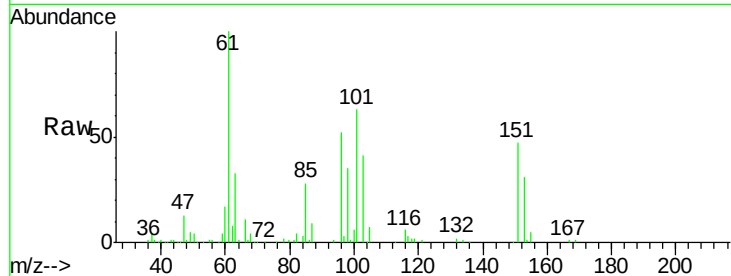
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	113134
Ion Ratio	Lower	Upper	
101	100		
85	44.8	36.6	54.8
151	75.1	60.2	90.2

Manual Integrations
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#10

Methyl Iodide

Concen: 54.388 ug/l

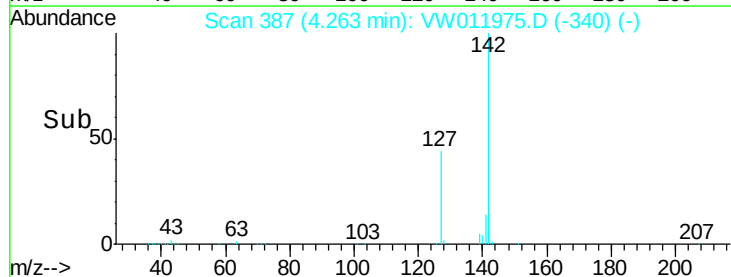
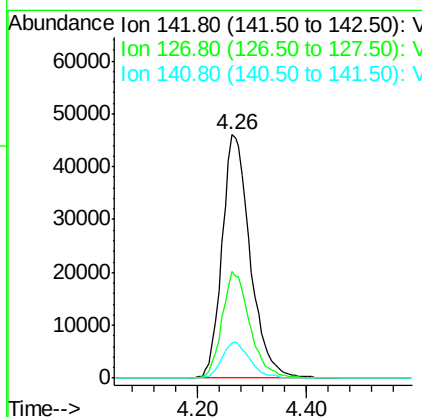
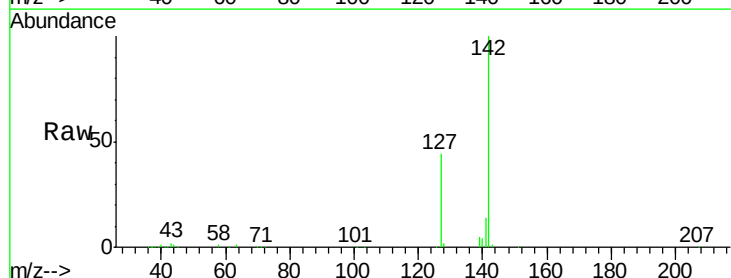
RT: 4.26 min Scan# 387

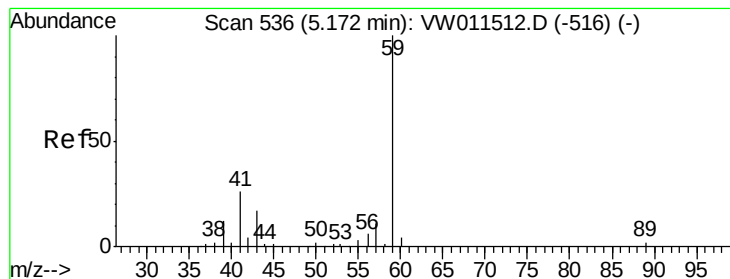
Delta R.T. -0.01 min

Lab File: VW011975.D

Acq: 16 Aug 2019 19:34

Tgt Ion:	142	Resp:	165368
Ion Ratio	Lower	Upper	
142	100		
127	43.3	35.0	52.6
141	14.8	11.9	17.9





#11

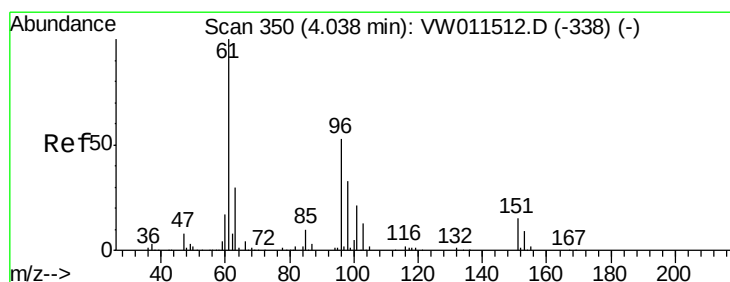
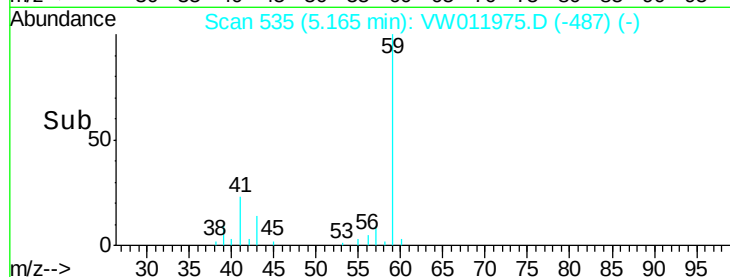
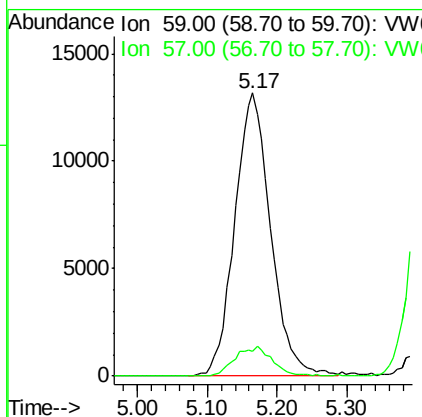
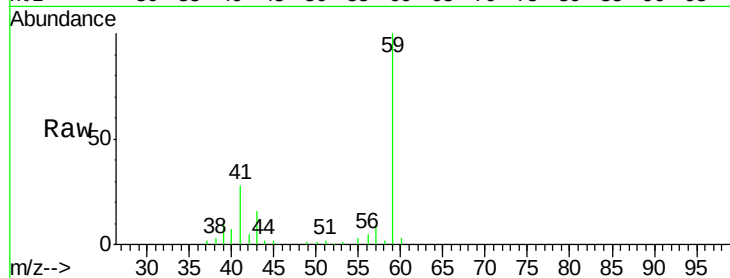
Tert butyl alcohol
 Concen: 254.012 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: VW011975.D
 Acq: 16 Aug 2019 19:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	59	57	Ratio	100	10.8	Resp	Lower	Upper
46901								
							8.5	12.7

Manual Integrations
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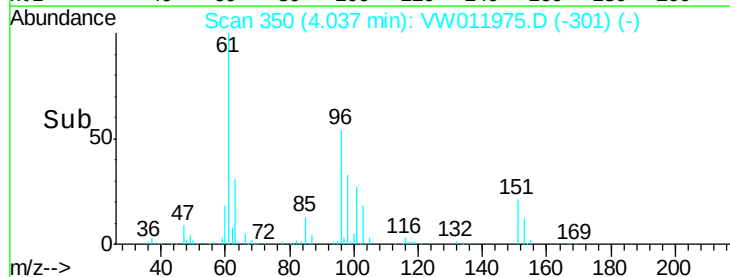
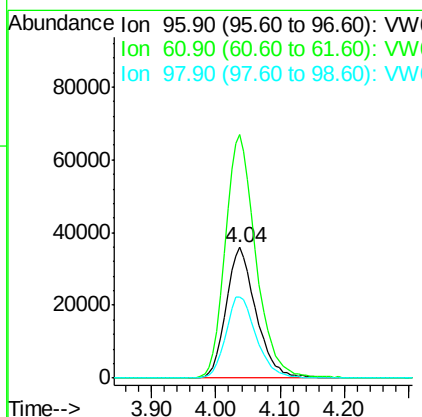
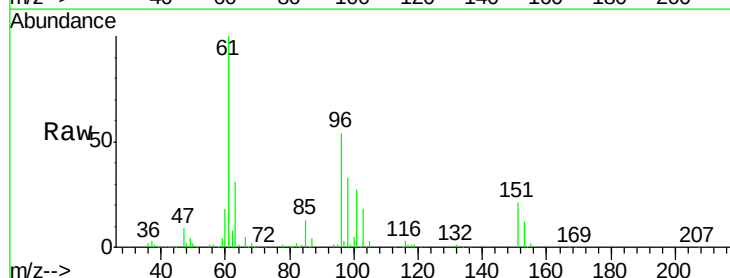
MMDadoda
 8/19/2019 10:55:25 AM

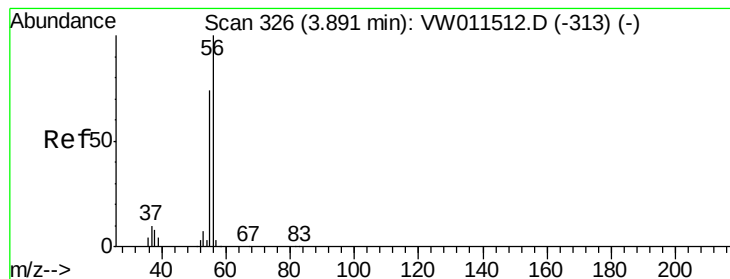


#12

1,1-Dichloroethene
 Concen: 51.505 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW011975.D
 Acq: 16 Aug 2019 19:34

Tgt Ion	96	61	98	Ratio	100	186.4	62.0	Resp	Lower	Upper
117004										
									149.9	224.9
									49.1	73.7





#13

Acrolein

Concen: 194.846 ug/l

RT: 3.88 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW011975.D

Acq: 16 Aug 2019 19:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 35018

Ion Ratio Lower Upper

56 100

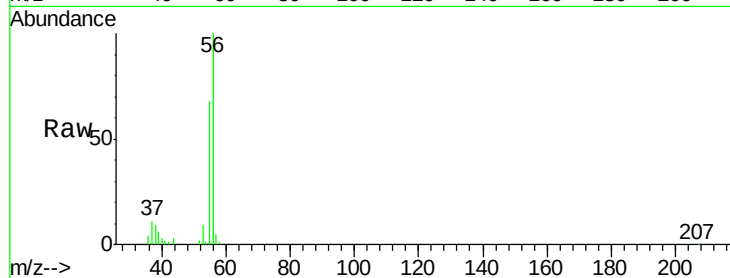
55 69.5 56.0 84.0

Manual Integrations

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8/19/2019 10:55:25 AM



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

3.88

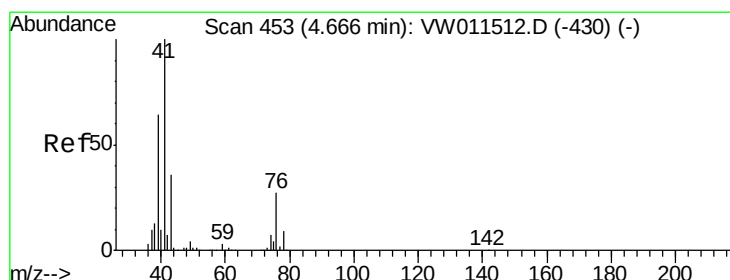
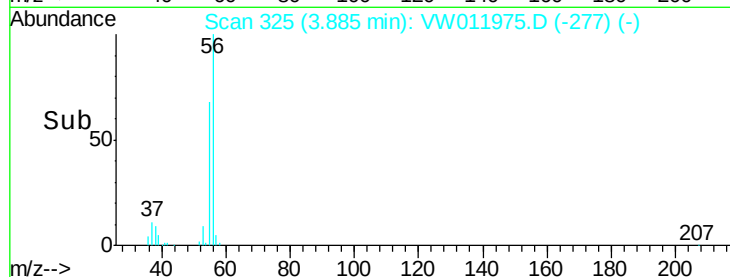
15000

10000

5000

0

Time-->



#14

Allyl chloride

Concen: 52.865 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW011975.D

Acq: 16 Aug 2019 19:34

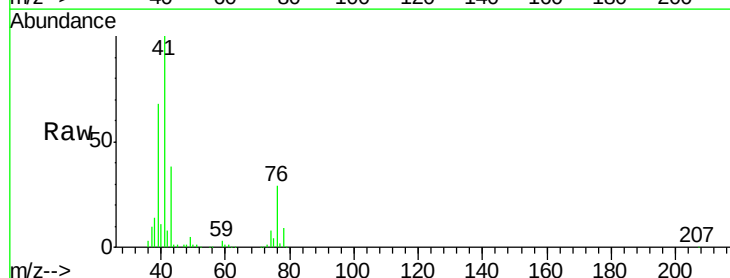
Tgt Ion: 41 Resp: 255431

Ion Ratio Lower Upper

41 100

39 66.8 52.6 78.8

76 27.5 22.0 33.0



Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW

4.66

100000

80000

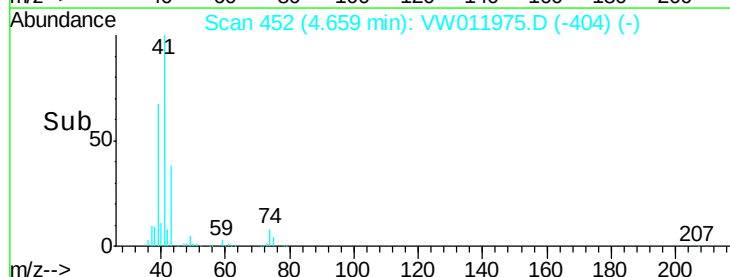
60000

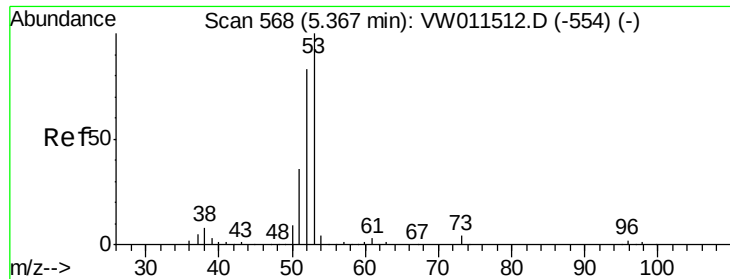
40000

20000

0

Time-->





#15

Acrylonitrile

Concen: 269.910 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW011975.D

Acq: 16 Aug 2019 19:34

Instrument :

MSVOA_W

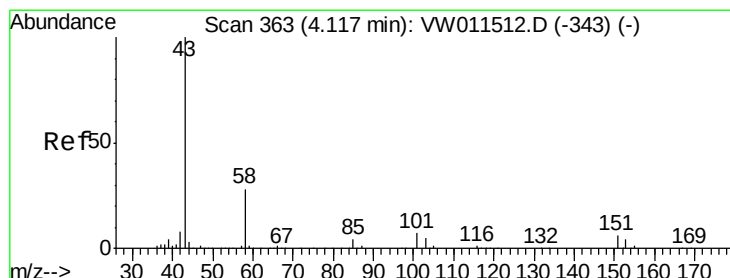
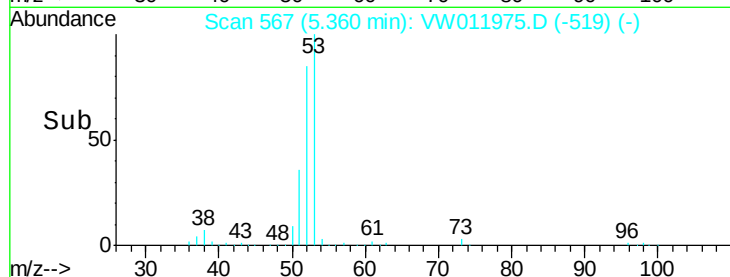
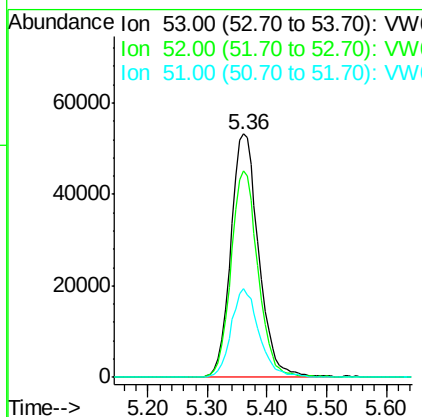
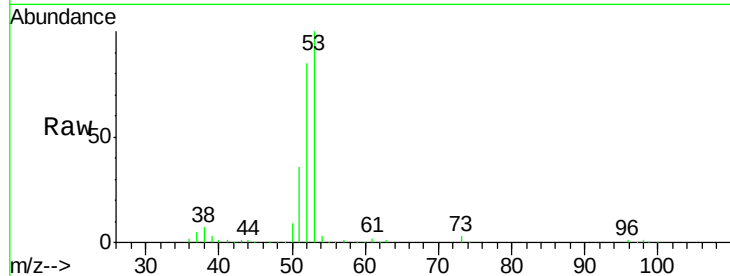
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	173268
Ion Ratio	Lower	Upper	
53	100		
52	82.0	67.2	100.8
51	36.5	30.0	45.0

Manual Integrations
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#16

Acetone

Concen: 192.895 ug/l

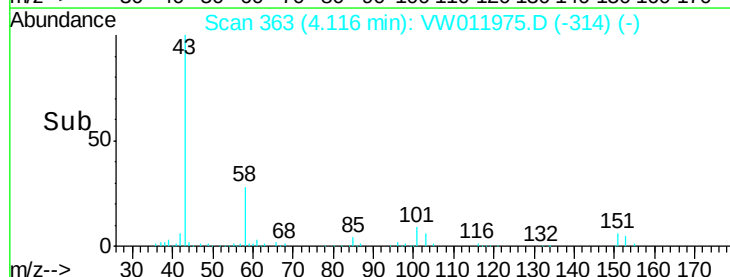
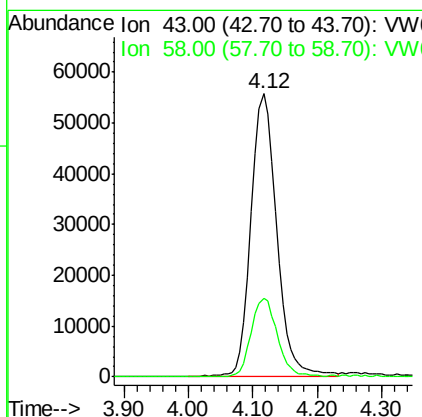
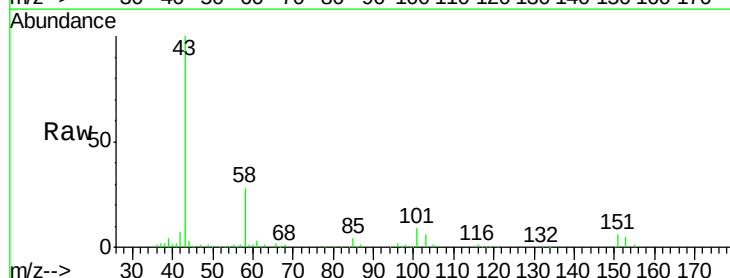
RT: 4.12 min Scan# 363

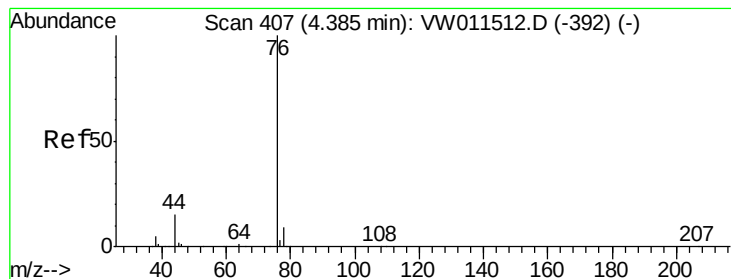
Delta R.T. -0.00 min

Lab File: VW011975.D

Acq: 16 Aug 2019 19:34

Tgt Ion:	43	Resp:	153689
Ion Ratio	Lower	Upper	
43	100		
58	27.7	22.3	33.5





#17

Carbon Disulfide

Concen: 47.841 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW011975.D

Acq: 16 Aug 2019 19:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 340156

Ion Ratio Lower Upper

76 100

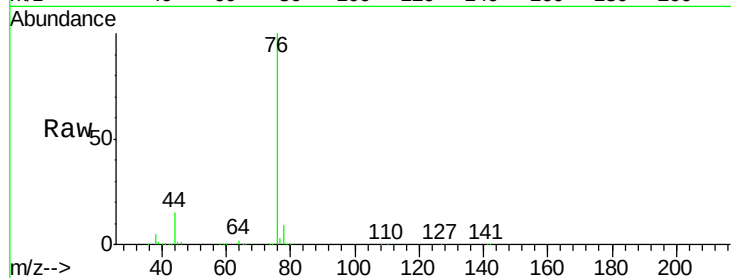
78 8.9 7.1 10.7

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.38

120000

100000

80000

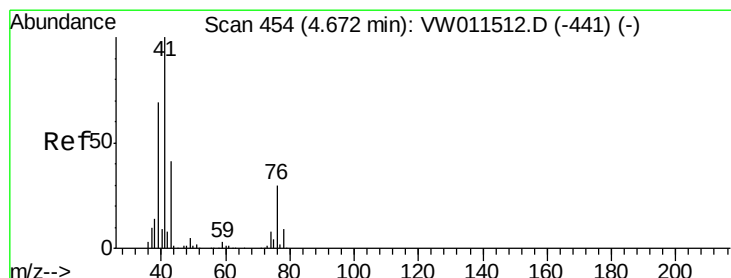
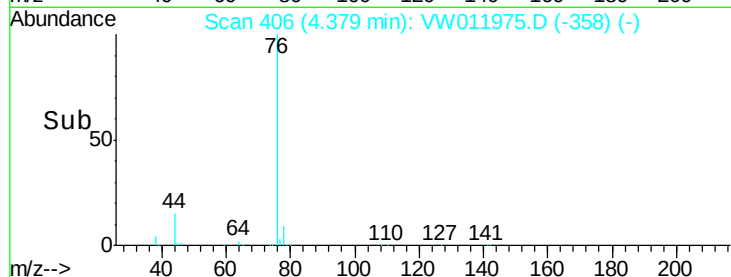
60000

40000

20000

0

Time--> 4.20 4.30 4.40 4.50 4.60



#18

Methyl Acetate

Concen: 53.296 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW011975.D

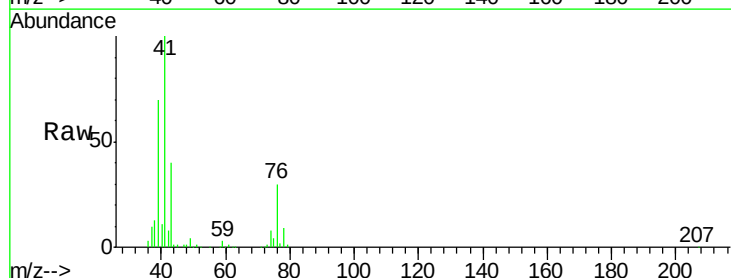
Acq: 16 Aug 2019 19:34

Tgt Ion: 43 Resp: 95393

Ion Ratio Lower Upper

43 100

74 19.9 15.9 23.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

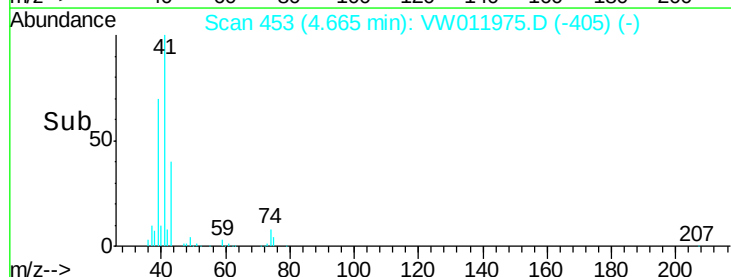
30000

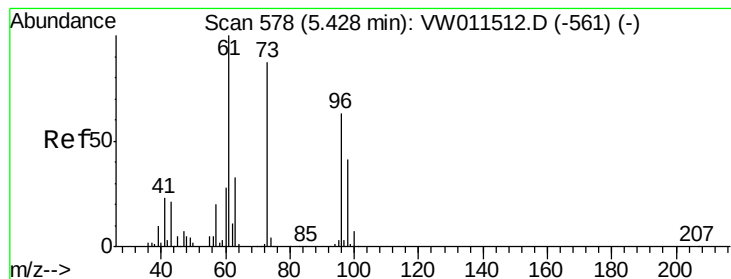
20000

10000

0

Time--> 4.50 4.60 4.70 4.80





#19

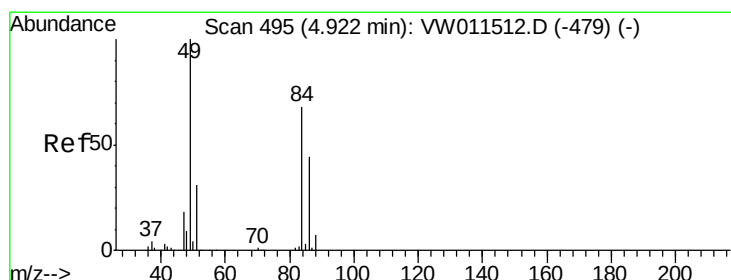
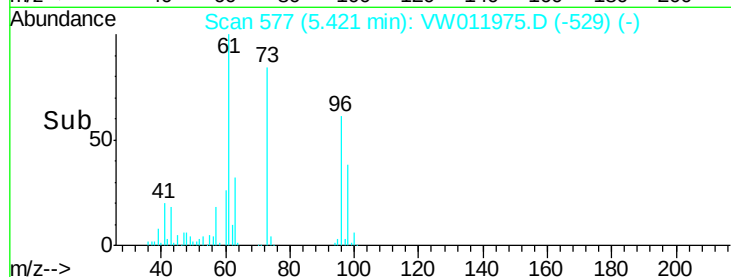
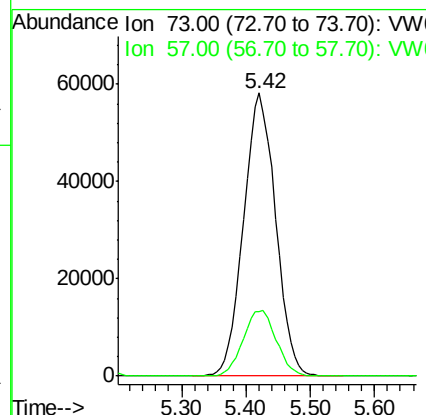
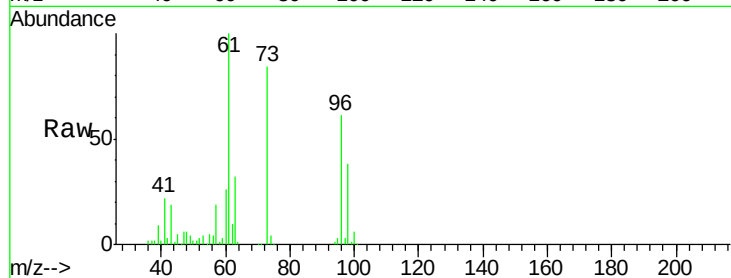
Methyl tert-butyl Ether
 Concen: 55.349 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW011975.D
 Acq: 16 Aug 2019 19:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.8	18.4	27.6

Manual Integrations
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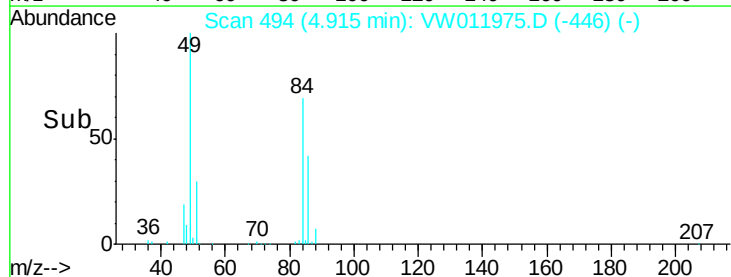
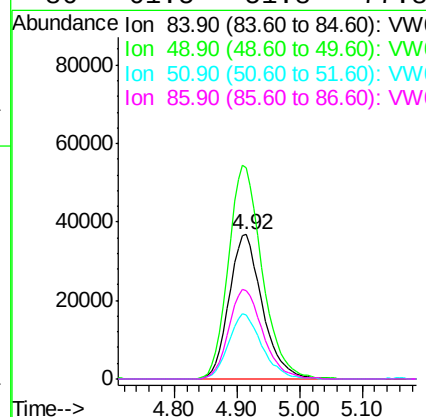
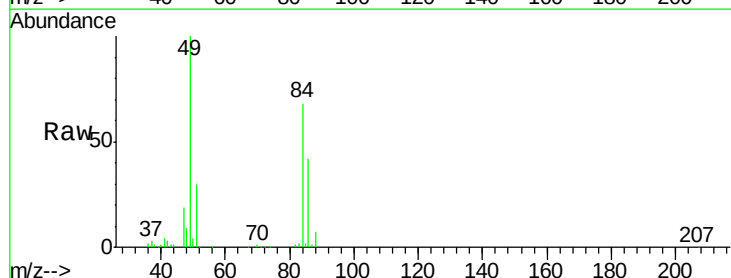
MMDadoda
 8/19/2019 10:55:25 AM

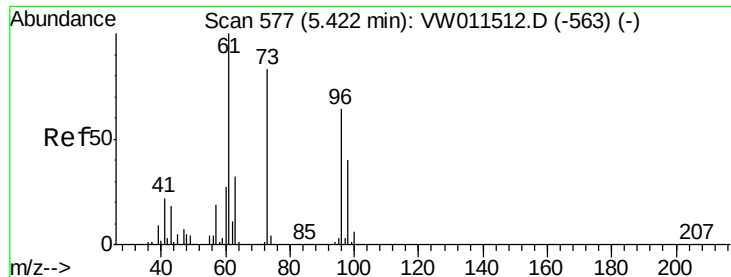


#20

Methylene Chloride
 Concen: 49.180 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. -0.01 min
 Lab File: VW011975.D
 Acq: 16 Aug 2019 19:34

Tgt Ion	Ratio	Lower	Upper
84	100		
49	146.0	117.8	176.6
51	44.3	37.0	55.4
86	61.5	51.8	77.8





#21

trans-1,2-Dichloroethene

Concen: 52.744 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW011975.D

Acq: 16 Aug 2019 19:34

Instrument :

MSVOA_W

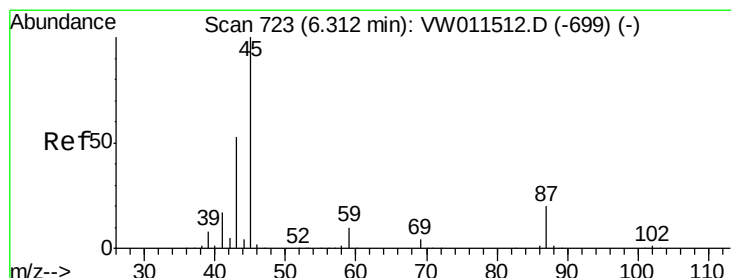
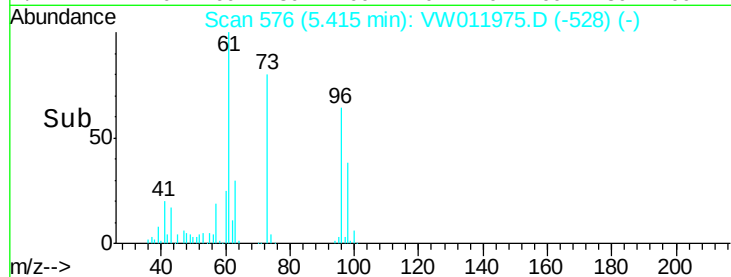
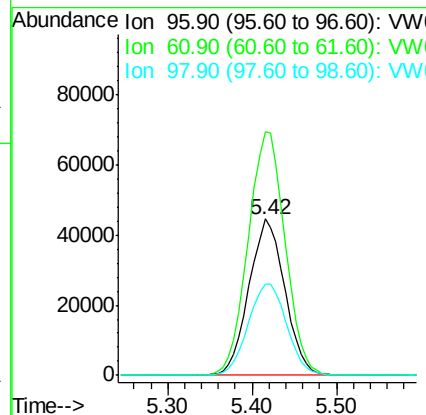
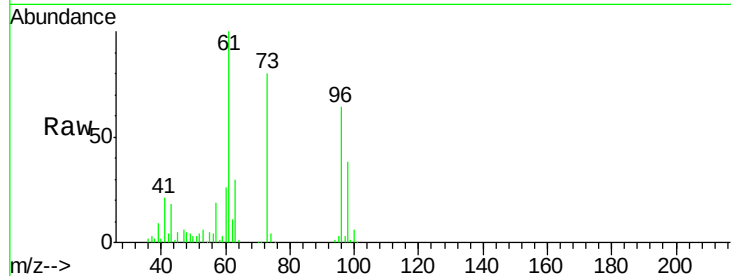
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	129179
Ion	Ratio	Lower	Upper
96	100		
61	155.8	125.7	188.5
98	58.8	50.3	75.5

Manual Integrations
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8/19/2019 10:55:25 AM



#22

Diisopropyl ether

Concen: 55.267 ug/l

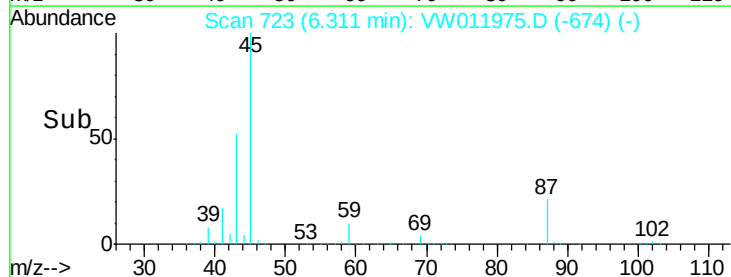
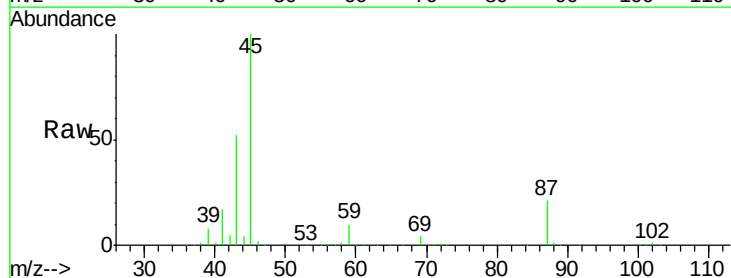
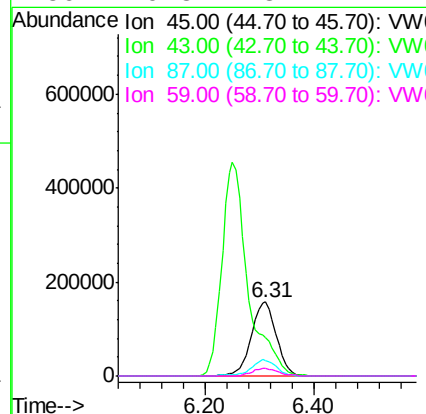
RT: 6.31 min Scan# 723

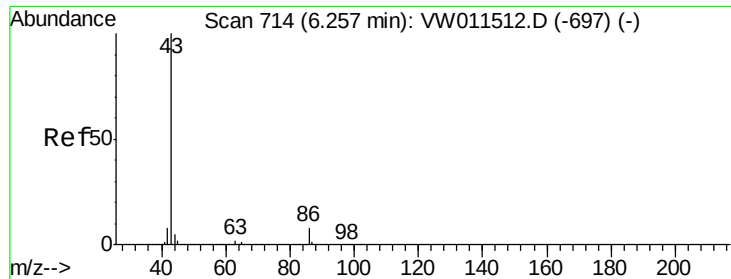
Delta R.T. -0.00 min

Lab File: VW011975.D

Acq: 16 Aug 2019 19:34

Tgt Ion:	45	Resp:	503456
Ion	Ratio	Lower	Upper
45	100		
43	51.7	42.6	63.8
87	21.3	16.4	24.6
59	9.8	8.2	12.2





#23

Vinyl Acetate

Concen: 264.777 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW011975.D

Acq: 16 Aug 2019 19:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1515599

Ion Ratio Lower Upper

43 100

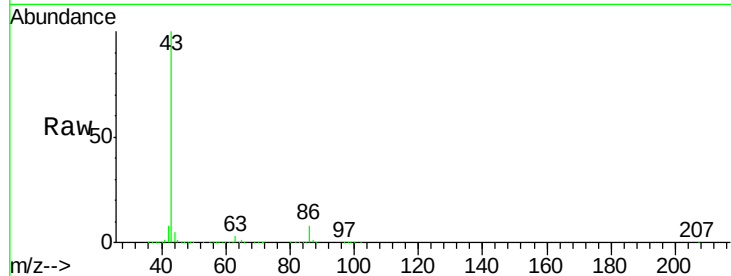
86 8.4 6.5 9.7

Manual Integrations

APPROVED

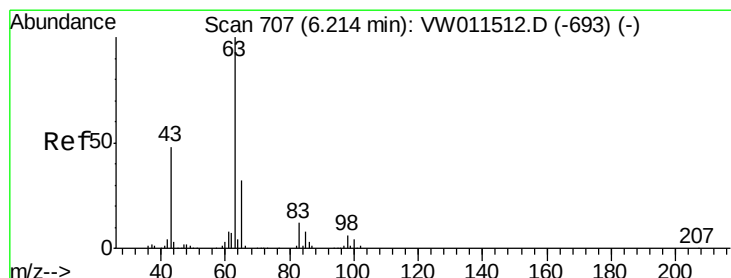
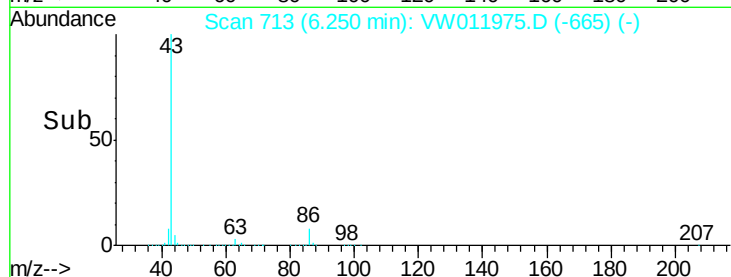
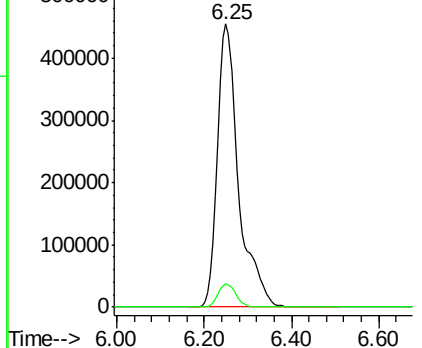
MMDadoda

8/19/2019 10:55:25 AM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 54.336 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW011975.D

Acq: 16 Aug 2019 19:34

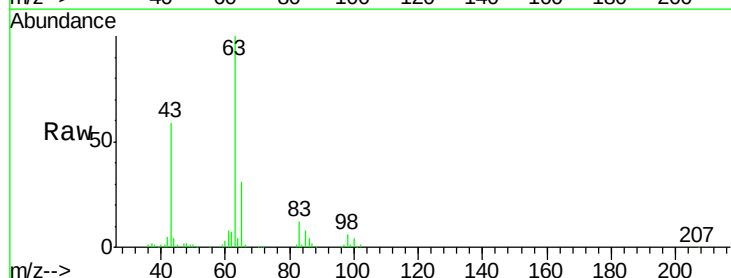
Tgt Ion: 63 Resp: 265093

Ion Ratio Lower Upper

63 100

98 6.3 2.9 8.8

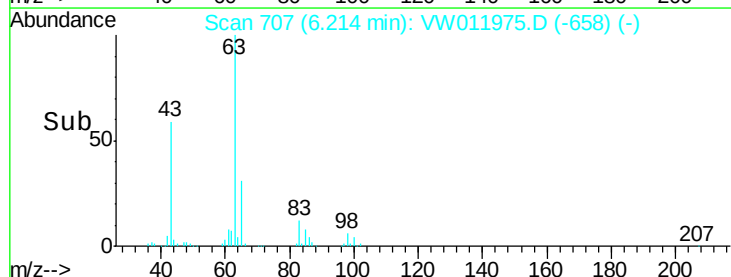
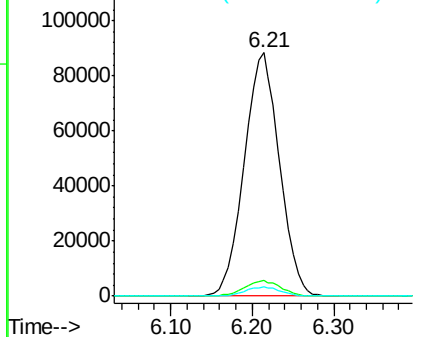
100 3.8 2.1 6.3

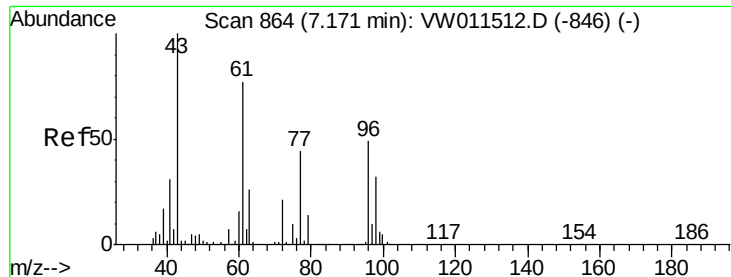


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 230.958 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW011975.D

Acq: 16 Aug 2019 19:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 240790

Ion Ratio Lower Upper

43 100

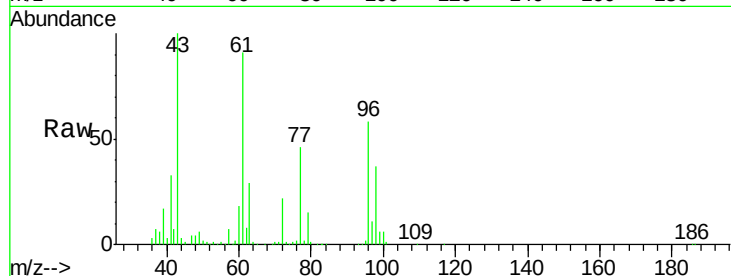
72 21.9 16.6 24.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.17

100000

80000

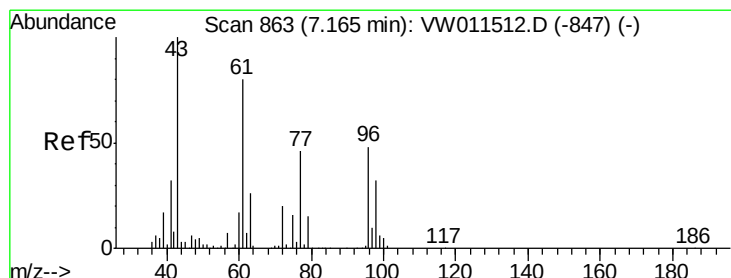
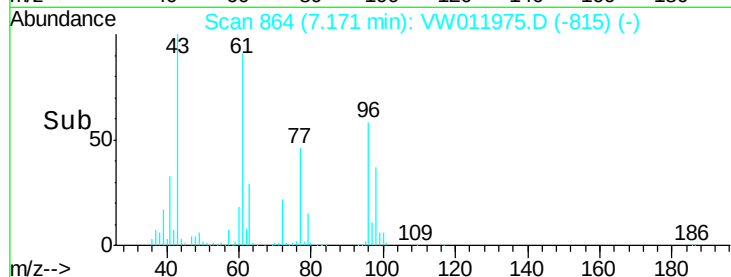
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 44.430 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW011975.D

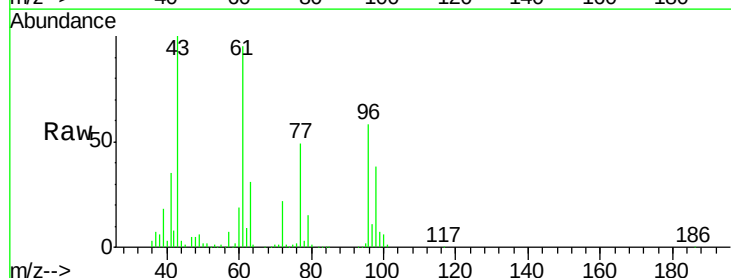
Acq: 16 Aug 2019 19:34

Tgt Ion: 77 Resp: 133308

Ion Ratio Lower Upper

77 100

97 22.5 10.8 32.4



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

7.16

50000

40000

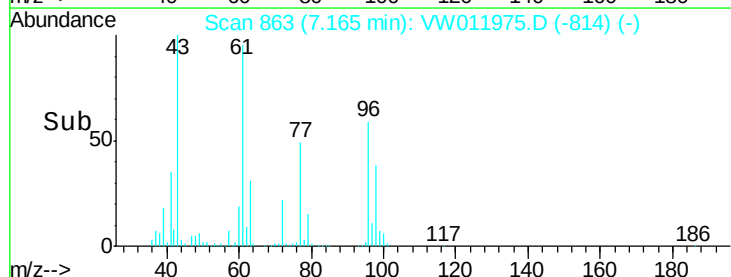
30000

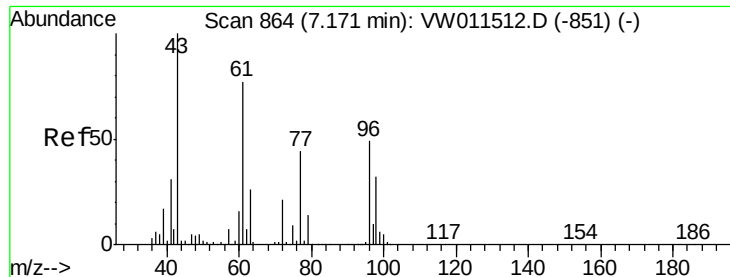
20000

10000

0

Time-->





#27

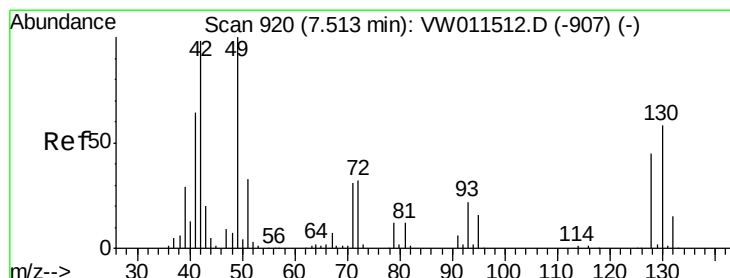
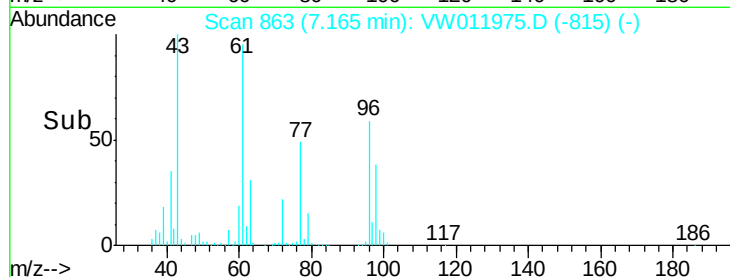
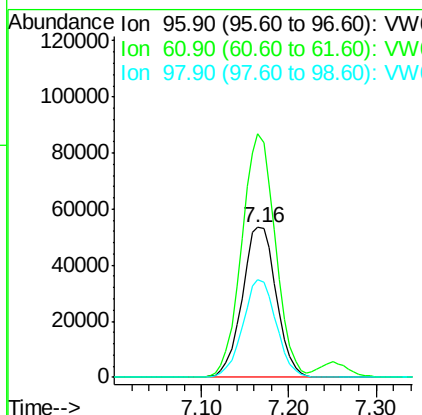
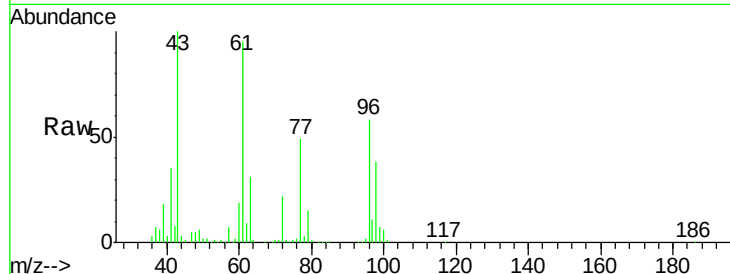
cis-1,2-Dichloroethene
Concen: 53.673 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW011975.D
Acq: 16 Aug 2019 19:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	144678		
61	159.9	0.0	328.4	
98	63.8	0.0	128.8	

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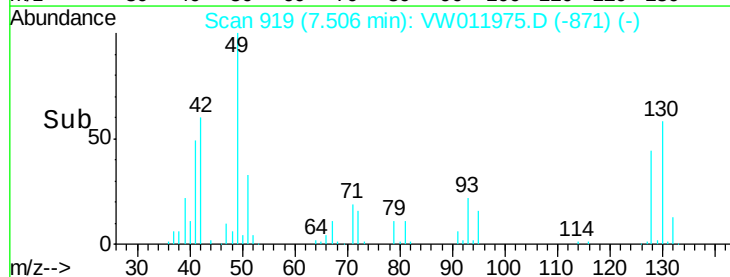
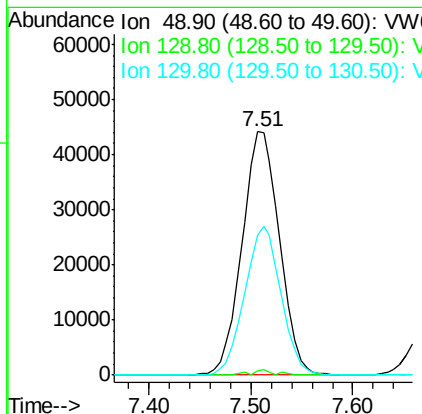
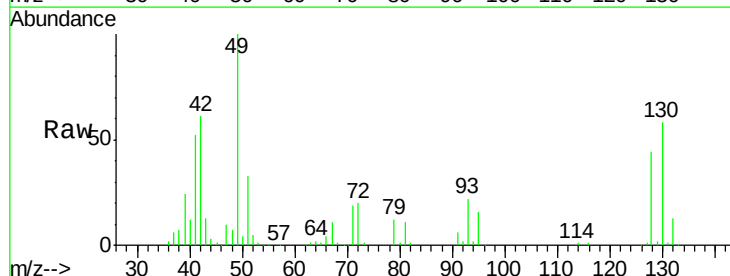
MMDadoda
8/19/2019 10:55:25 AM

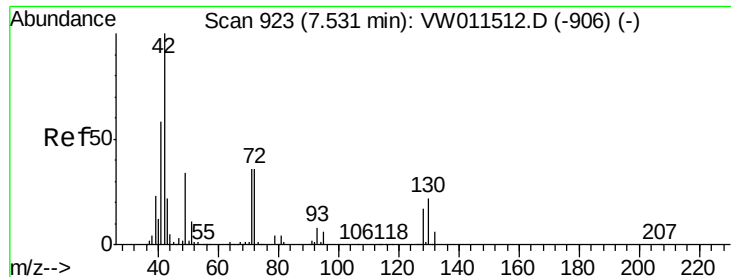


#28

Bromochloromethane
Concen: 52.006 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW011975.D
Acq: 16 Aug 2019 19:34

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	112619		
129	1.1	0.0	1.0#	
130	59.3	46.3	69.5	





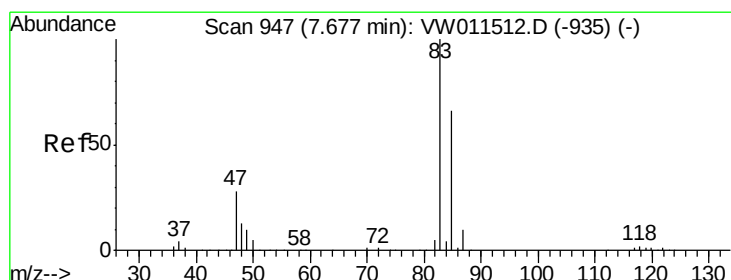
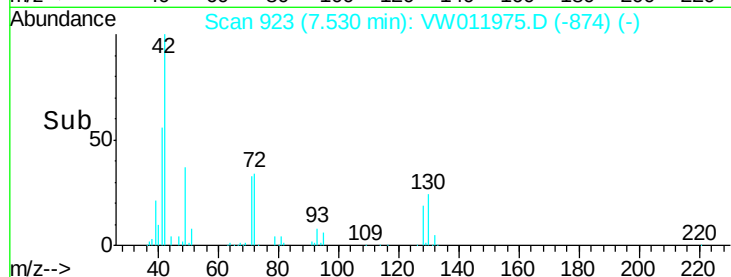
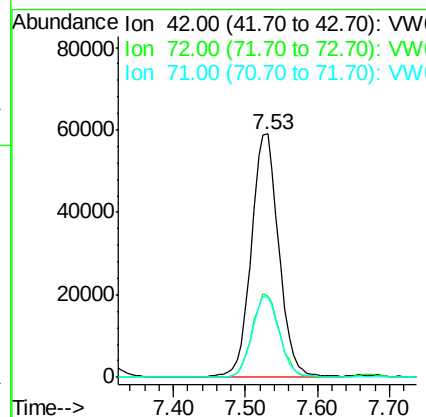
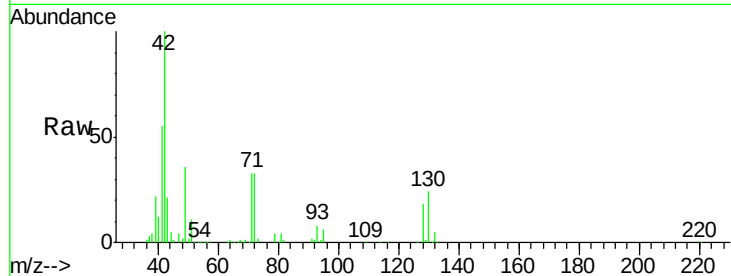
#29
Tetrahydrofuran
Concen: 264.607 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW011975.D
Acq: 16 Aug 2019 19:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:	42	Resp:	157690
Ion	Ratio	Lower	Upper
42	100		
72	34.0	27.1	40.7
71	32.7	26.2	39.4

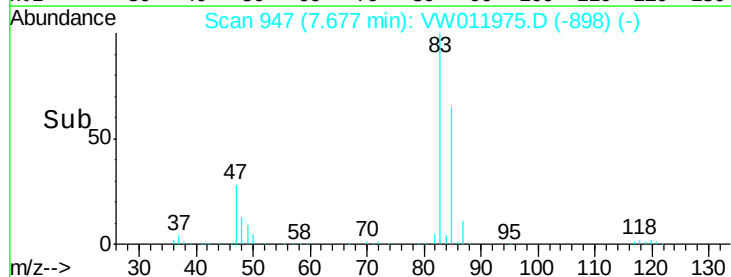
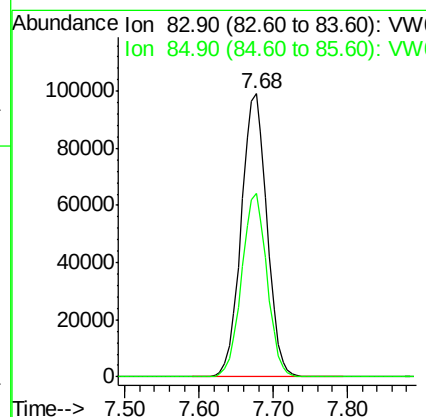
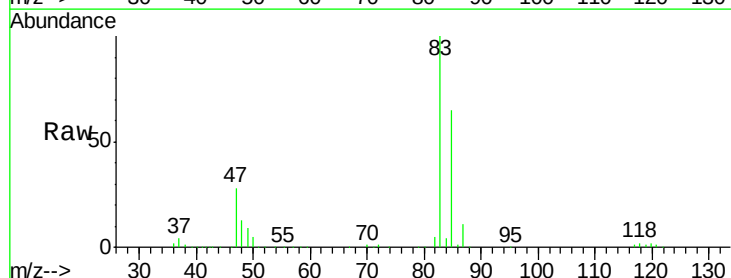
Manual Integrations
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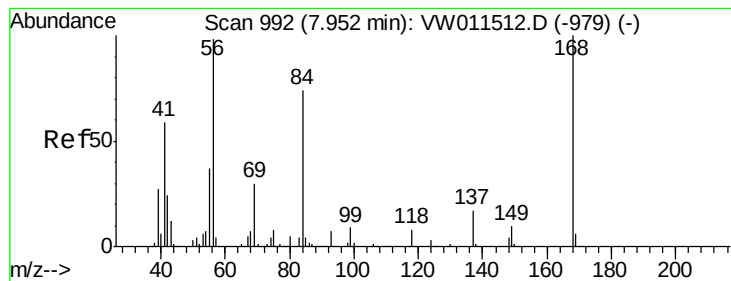
MMDadoda
8/19/2019 10:55:25 AM



#30
Chloroform
Concen: 53.354 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW011975.D
Acq: 16 Aug 2019 19:34

Tgt Ion:	83	Resp:	240150
Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.5	78.7





#31

Cyclohexane

Concen: 49.066 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW011975.D

Acq: 16 Aug 2019 19:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 229788

Ion Ratio Lower Upper

56 100

69 33.4 24.3 36.5

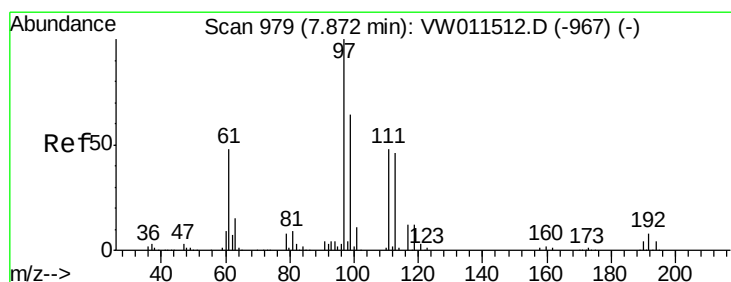
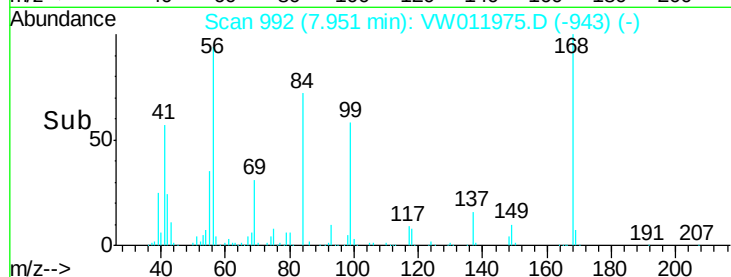
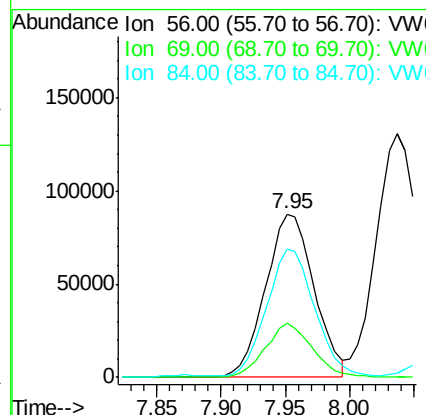
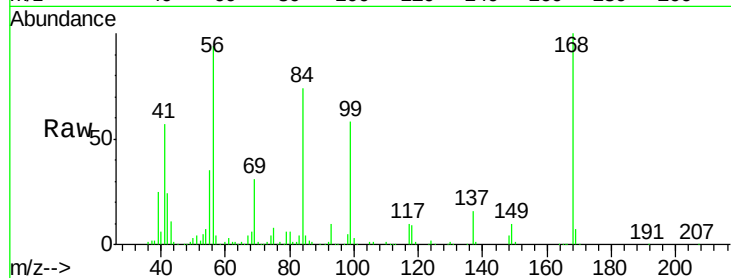
84 77.6 60.4 90.6

Manual Integrations

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MMDadoda

8/19/2019 10:55:25 AM



#32

1,1,1-Trichloroethane

Concen: 54.741 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW011975.D

Acq: 16 Aug 2019 19:34

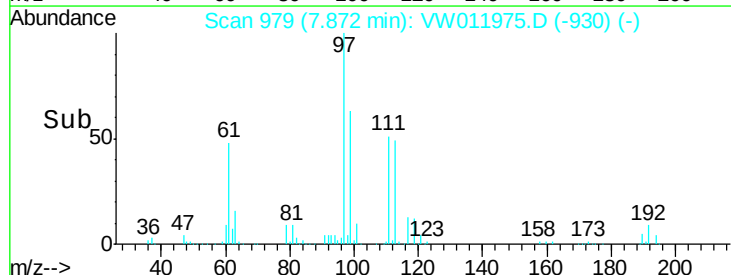
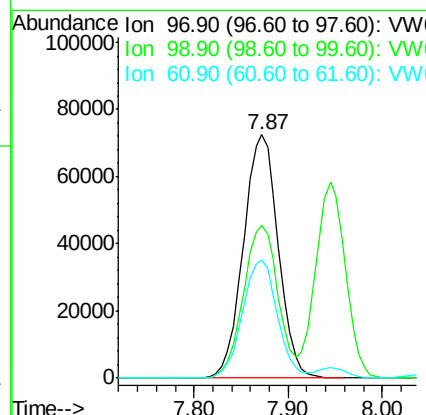
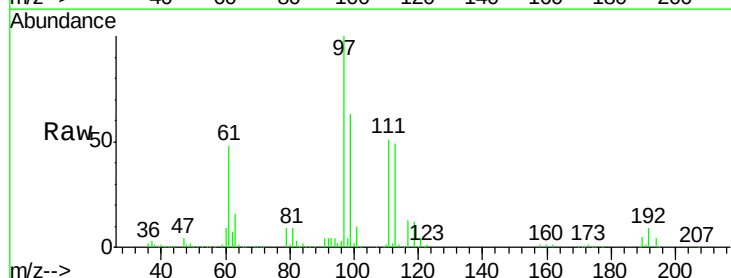
Tgt Ion: 97 Resp: 187644

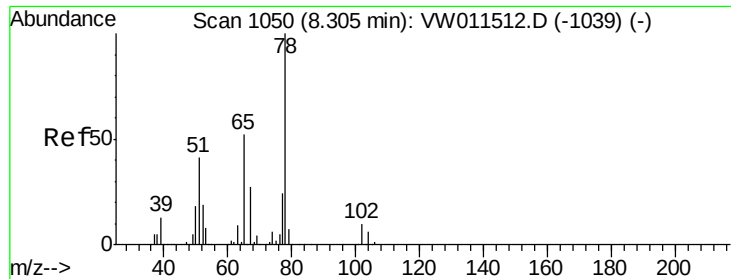
Ion Ratio Lower Upper

97 100

99 62.5 51.0 76.6

61 48.5 39.8 59.6





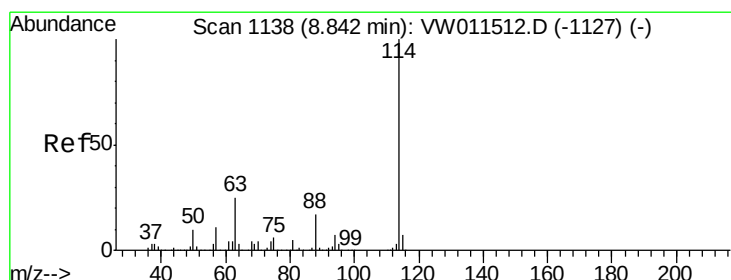
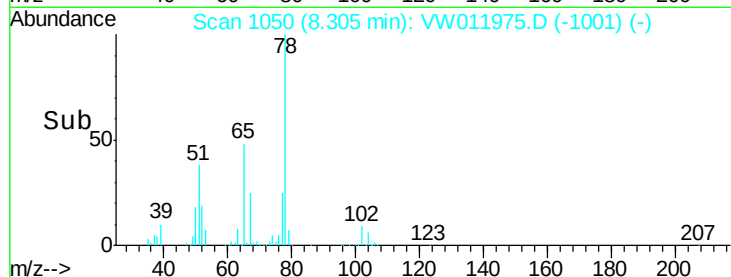
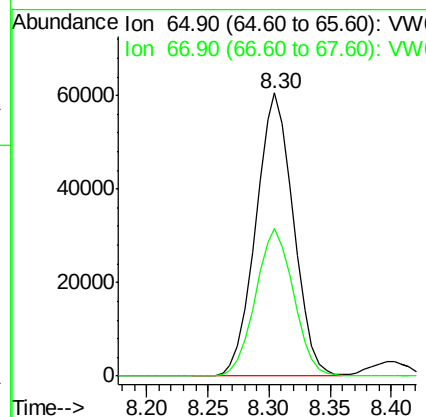
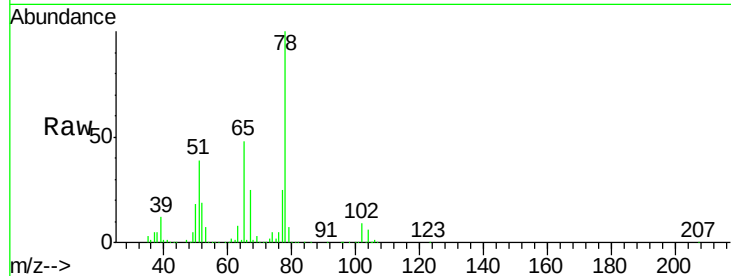
#33
 1,2-Dichloroethane-d4
 Concen: 51.568 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011975.D
 Acq: 16 Aug 2019 19:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	129165		
67	52.8	0.0	105.2	

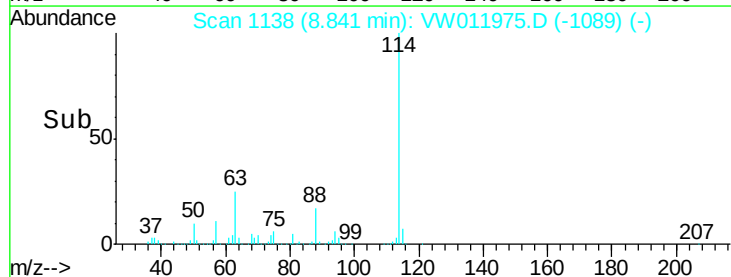
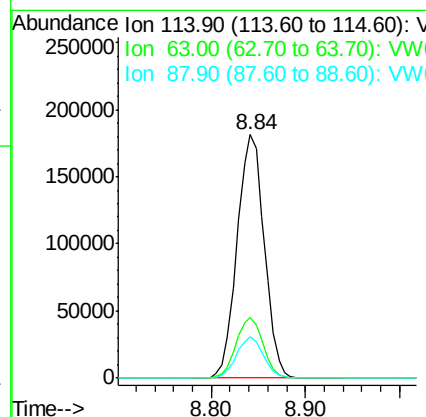
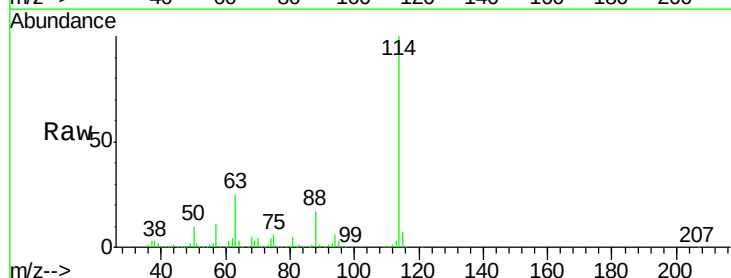
Manual Integrations
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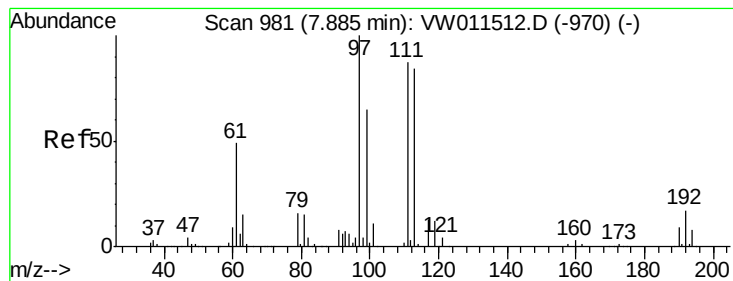
MMDadoda
 8/19/2019 10:55:25 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011975.D
 Acq: 16 Aug 2019 19:34

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	362292		
63	24.7	0.0	49.2	
88	16.8	0.0	33.8	





#35

Dibromofluoromethane

Concen: 52.603 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW011975.D

Acq: 16 Aug 2019 19:34

Instrument :

MSVOA_W

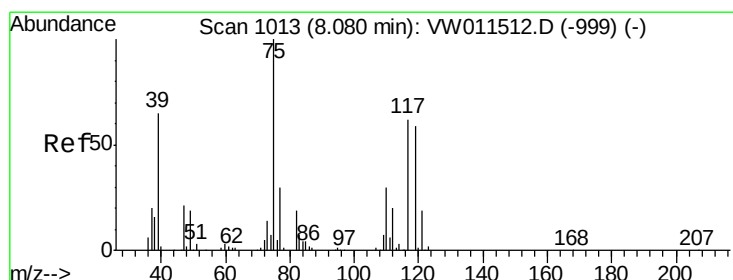
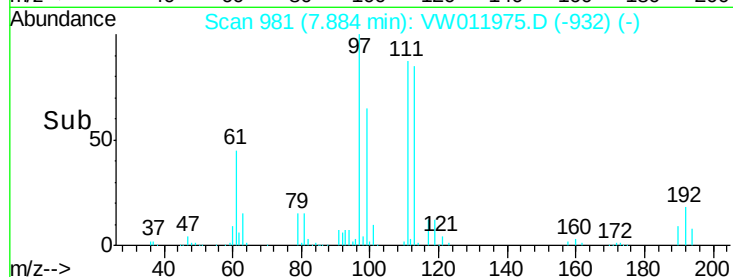
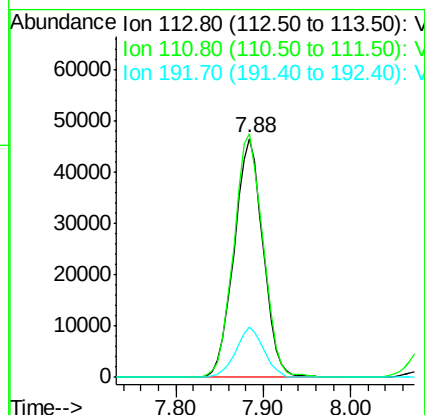
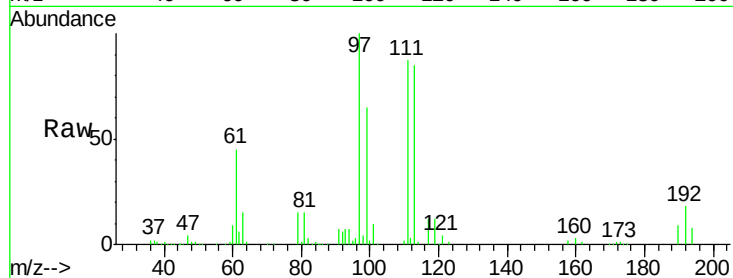
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	106916
Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.7	124.1
192	20.2	16.1	24.1

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#36

1,1-Dichloropropene

Concen: 52.069 ug/l

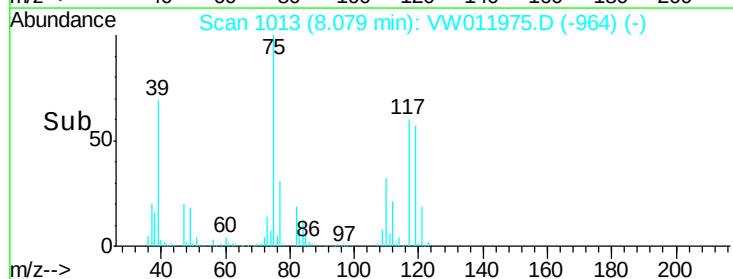
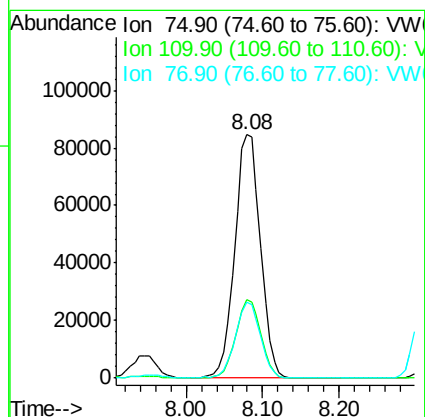
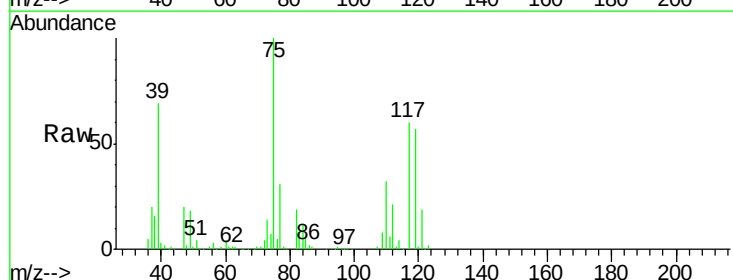
RT: 8.08 min Scan# 1013

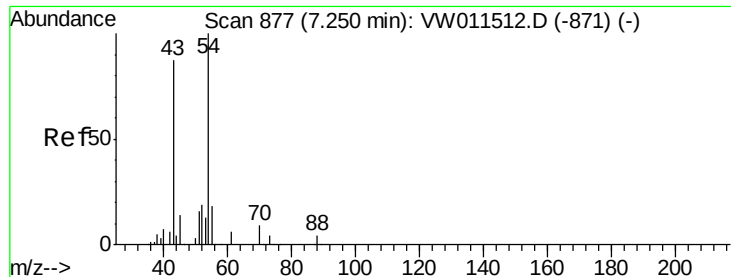
Delta R.T. -0.00 min

Lab File: VW011975.D

Acq: 16 Aug 2019 19:34

Tgt Ion:	75	Resp:	196154
Ion	Ratio	Lower	Upper
75	100		
110	31.5	15.6	46.8
77	30.8	24.3	36.5





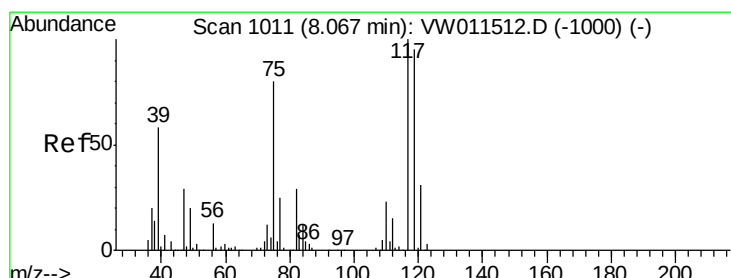
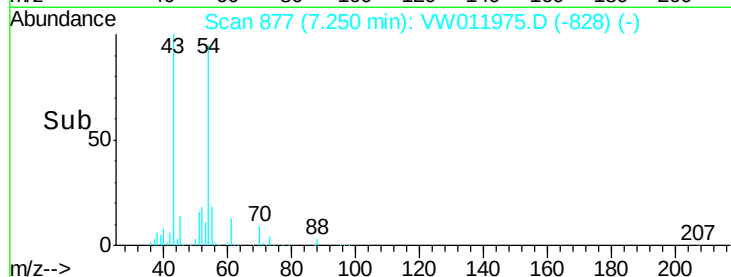
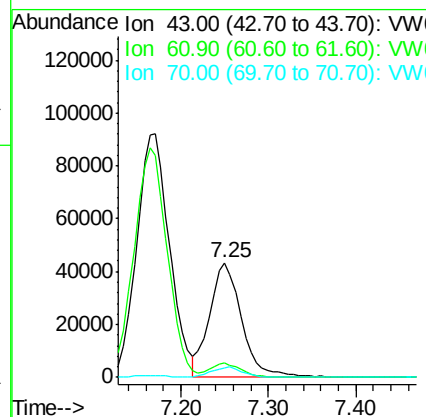
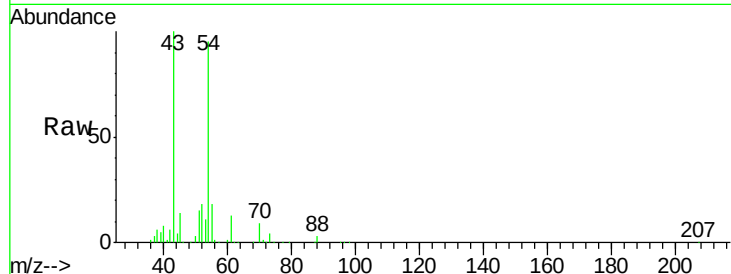
#37
Ethyl Acetate
Concen: 50.196 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW011975.D
Acq: 16 Aug 2019 19:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.0	8.8	13.2
70	8.8	7.1	10.7

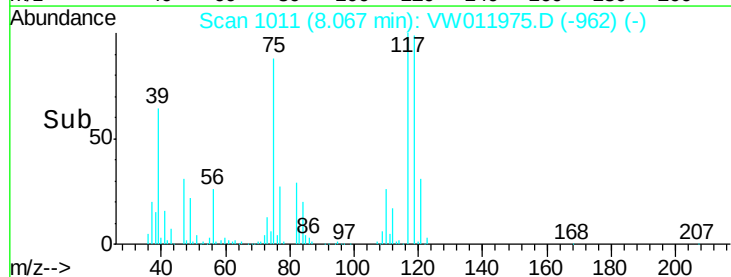
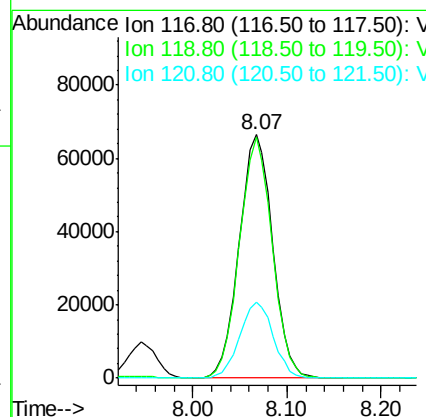
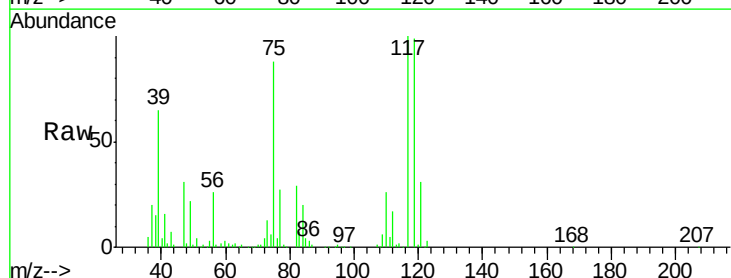
Manual Integrations
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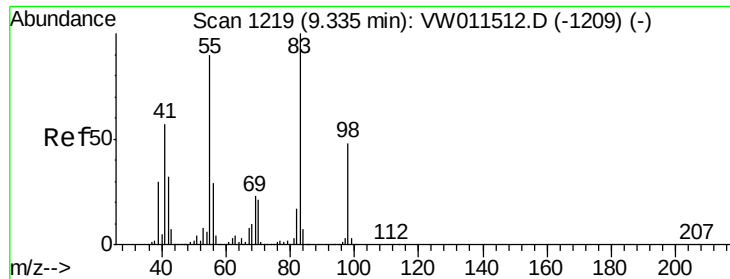
MMDadoda
8/19/2019 10:55:25 AM



#38
Carbon Tetrachloride
Concen: 51.035 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW011975.D
Acq: 16 Aug 2019 19:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.1	75.8	113.6
121	31.4	24.7	37.1





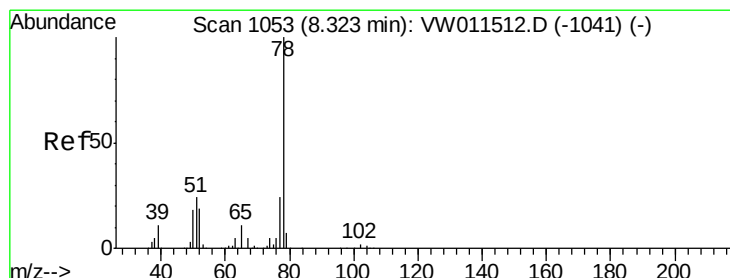
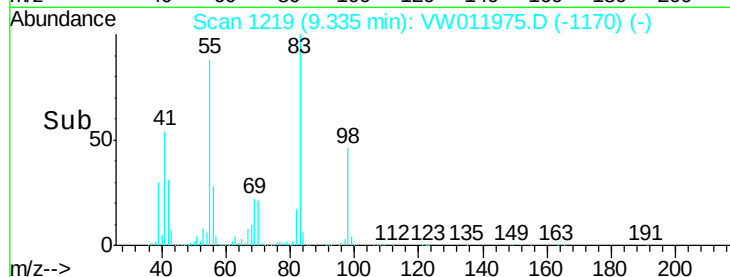
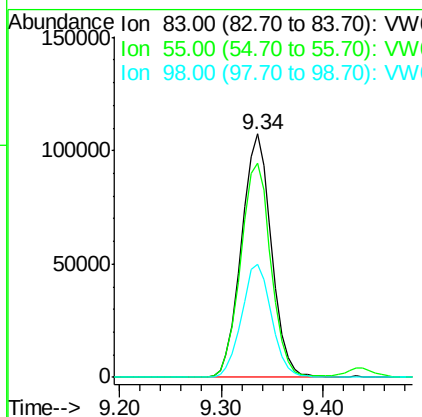
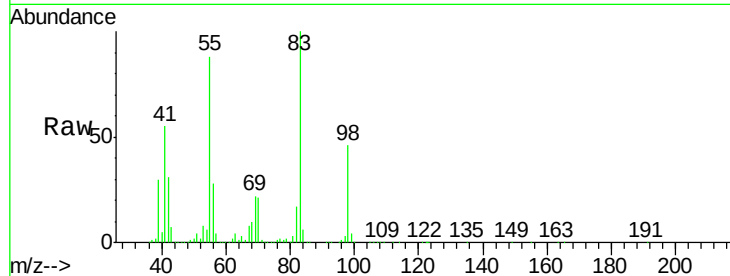
#39
Methylvlcyclohexane
Concen: 52.694 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW011975.D
Acq: 16 Aug 2019 19:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.9	72.1	108.1
98	46.4	38.6	57.8

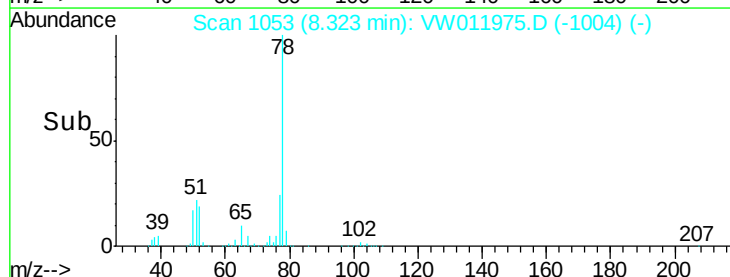
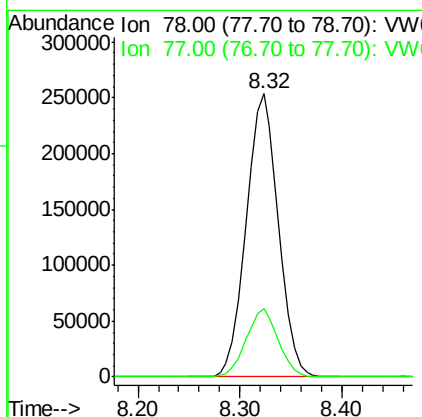
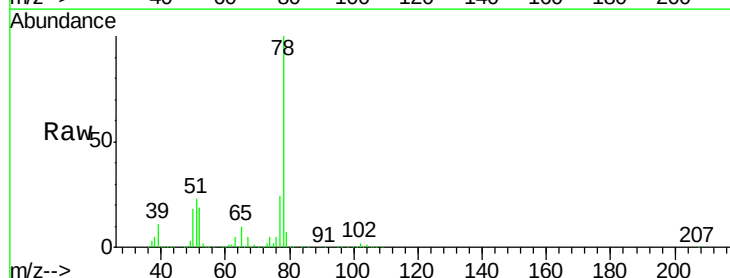
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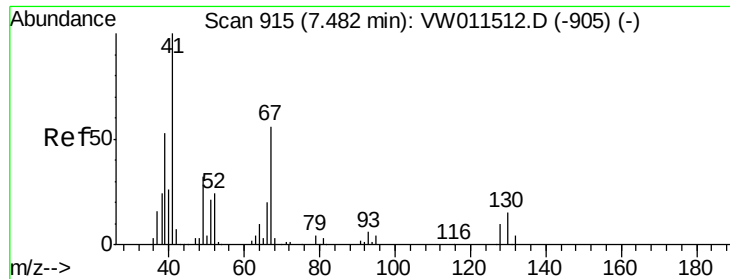
MMDadoda
8/19/2019 10:55:25 AM



#40
Benzene
Concen: 52.530 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW011975.D
Acq: 16 Aug 2019 19:34

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.4	29.0





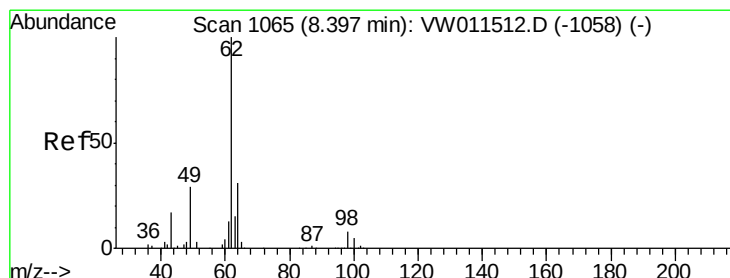
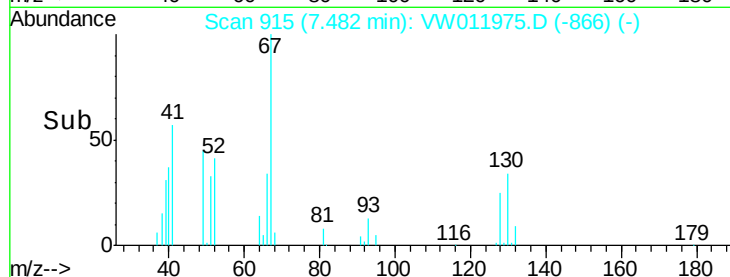
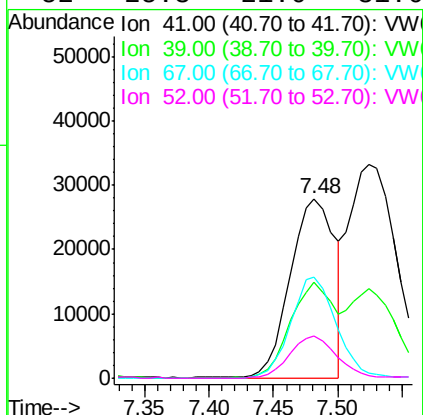
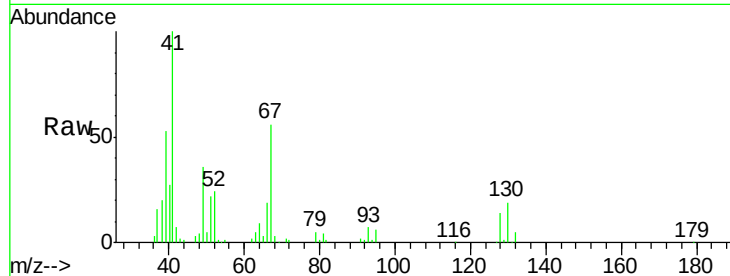
#41
Methacrylonitrile
Concen: 51.603 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW011975.D
Acq: 16 Aug 2019 19:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		66856		
39	52.1	43.0	64.4		
67	58.1	47.5	71.3		
52	25.3	21.0	31.6		

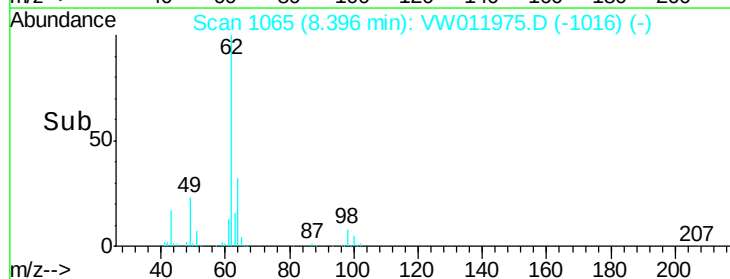
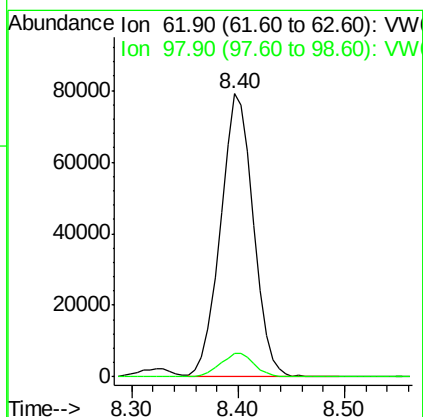
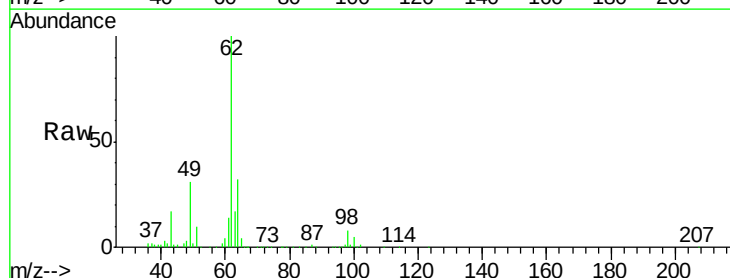
Manual Integrations
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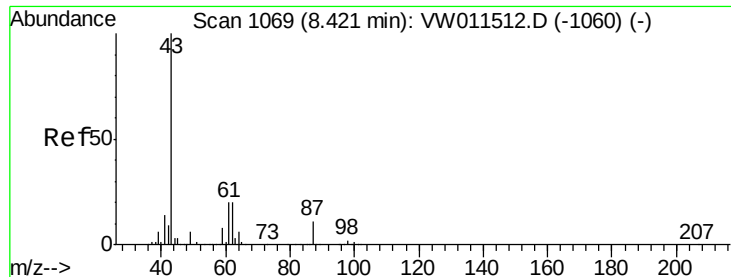
MMDadoda
8/19/2019 10:55:25 AM



#42
1,2-Dichloroethane
Concen: 51.320 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW011975.D
Acq: 16 Aug 2019 19:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		169546		
98	8.7	0.0	16.8		





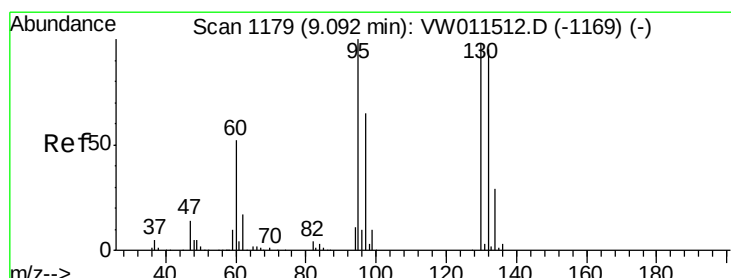
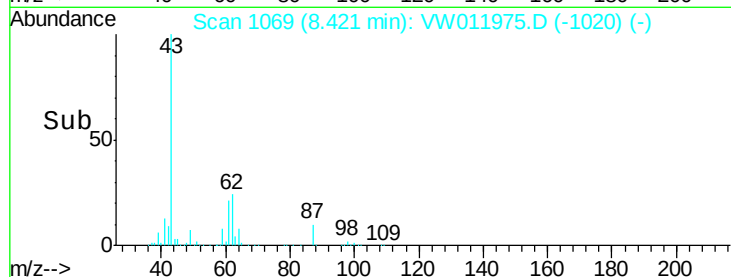
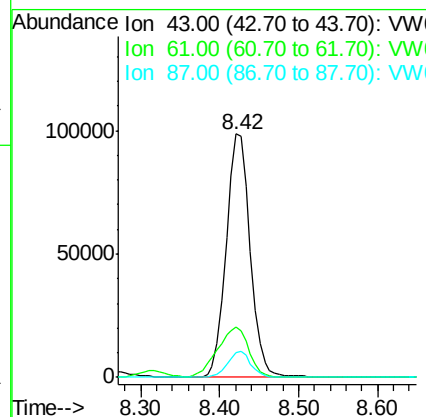
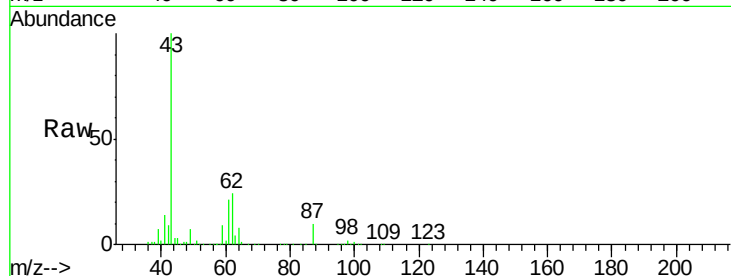
#43
Isopropyl Acetate
Concen: 52.109 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VW011975.D
Acq: 16 Aug 2019 19:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.0	21.5	32.3
87	10.4	8.4	12.6

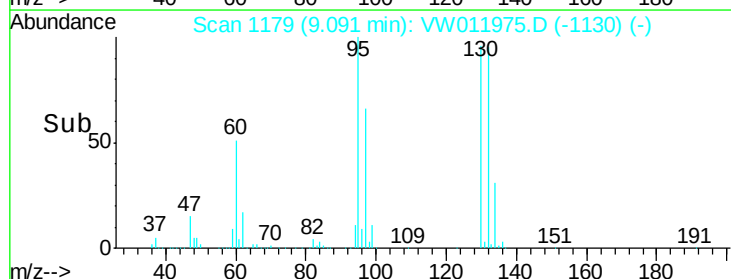
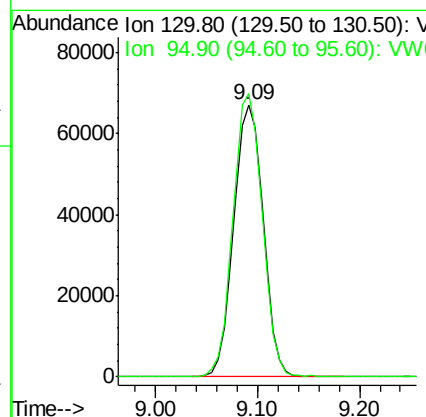
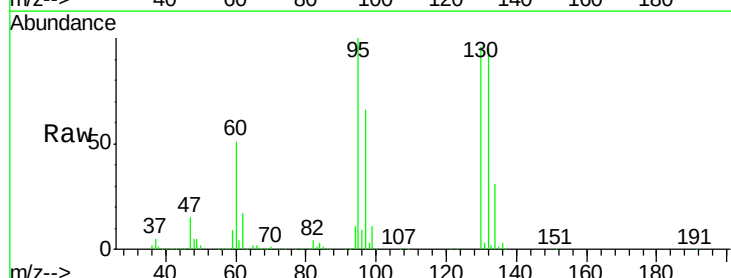
Manual Integrations
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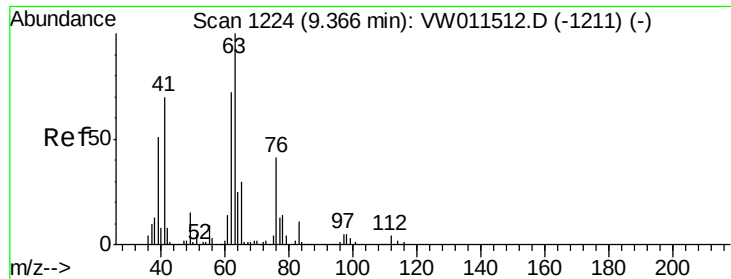
MMDadoda
8/19/2019 10:55:25 AM



#44
Trichloroethene
Concen: 52.801 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW011975.D
Acq: 16 Aug 2019 19:34

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.9	0.0	204.8





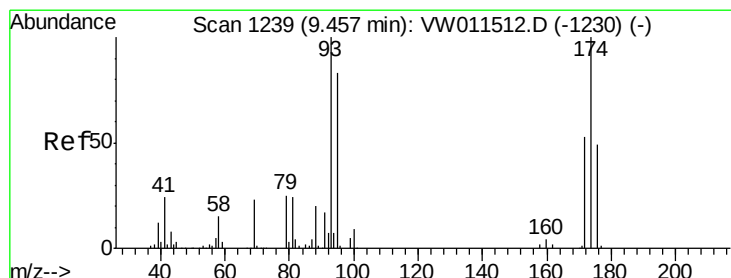
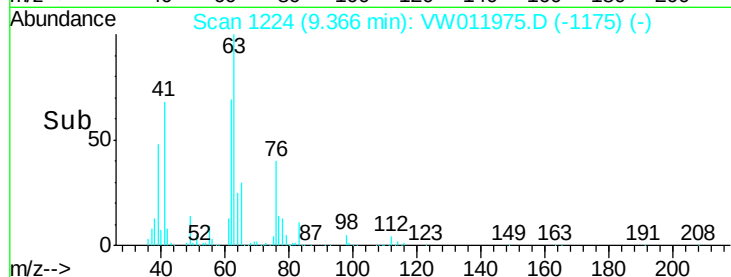
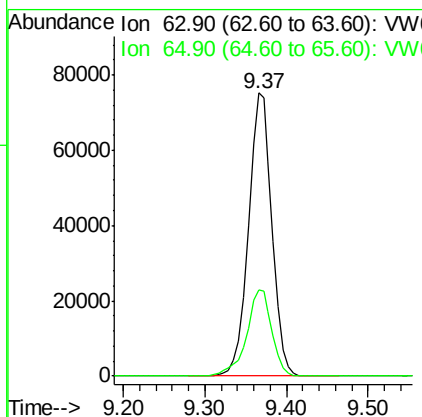
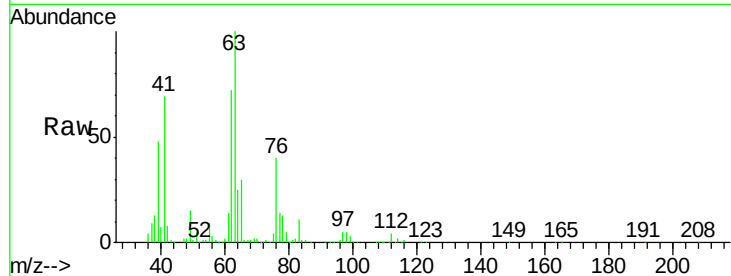
#45
 1,2-Dichloropropane
 Concen: 53.256 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW011975.D
 Acq: 16 Aug 2019 19:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.5	24.2	36.4

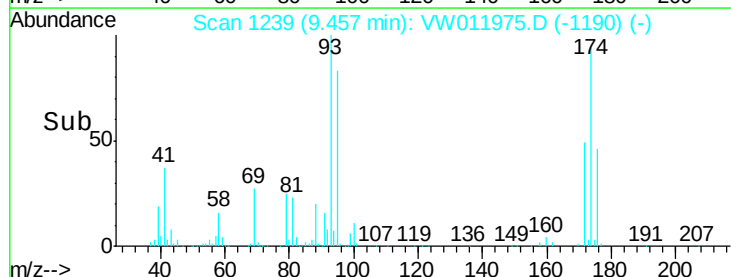
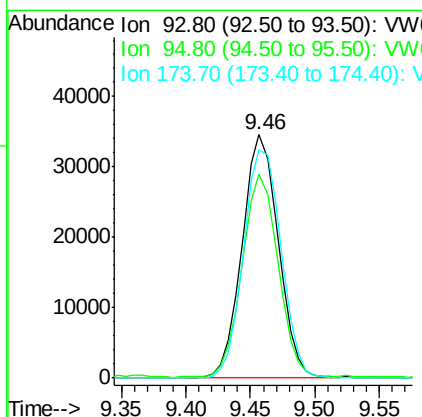
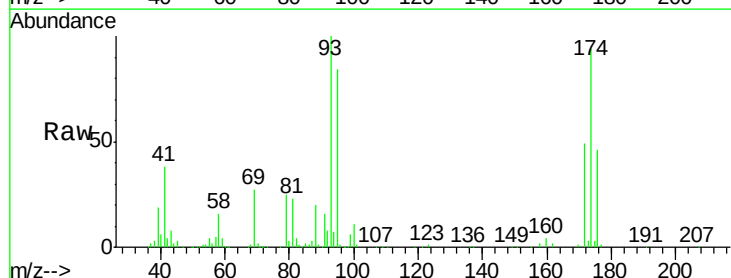
Manual Integrations
 APPROVED

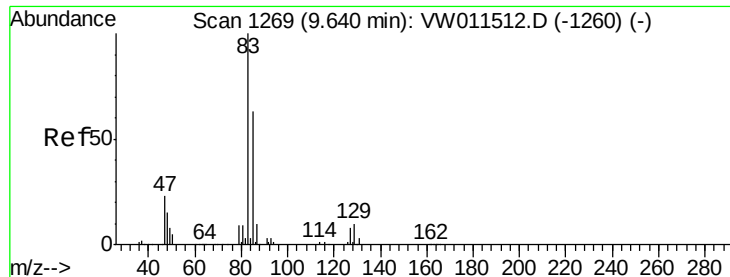
MMDadoda
 8/19/2019 10:55:25 AM



#46
 Dibromomethane
 Concen: 51.859 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW011975.D
 Acq: 16 Aug 2019 19:34

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.4	66.2	99.2
174	98.3	78.2	117.4





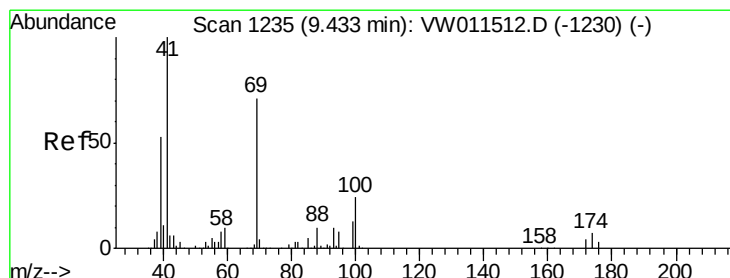
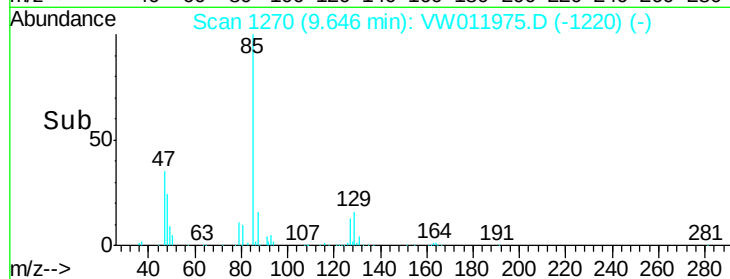
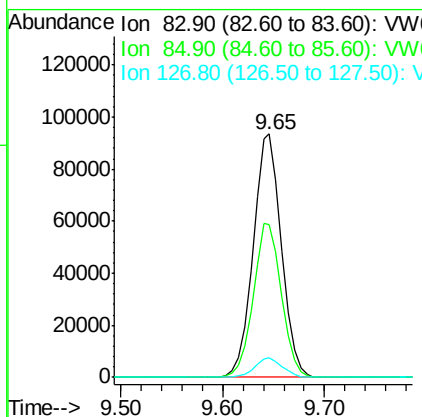
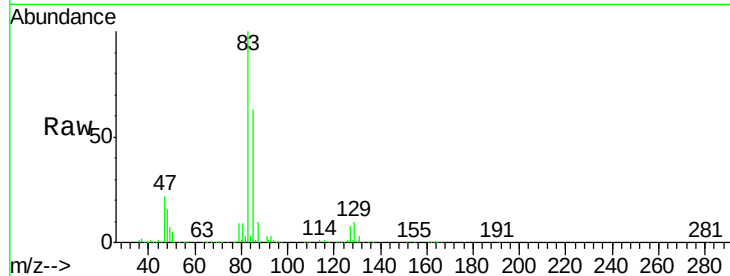
#47
Bromodichloromethane
Concen: 53.065 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW011975.D
Acq: 16 Aug 2019 19:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	179376
Ion	Ratio	Lower	Upper
83	100		
85	63.0	50.5	75.7
127	8.0	6.4	9.6

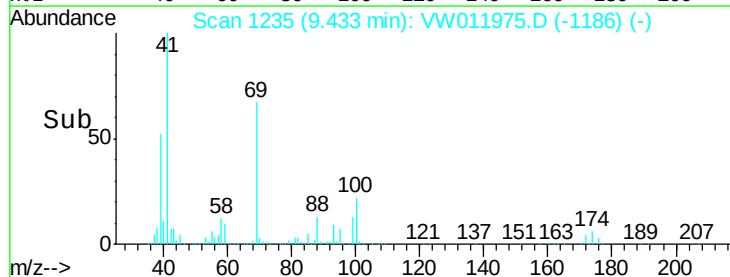
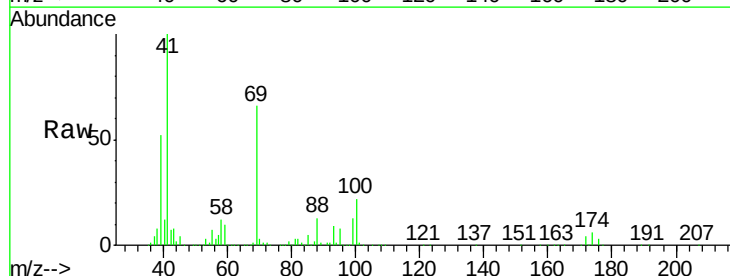
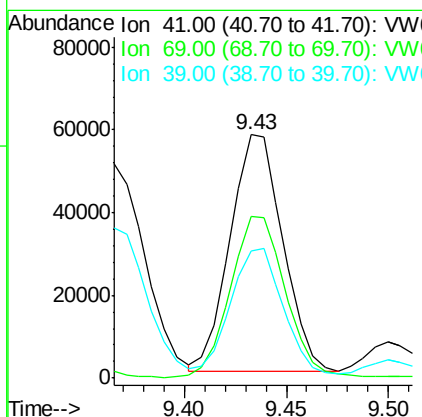
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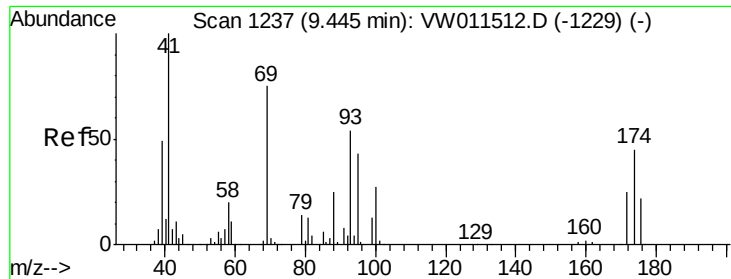
MMDadoda
8/19/2019 10:55:25 AM



#48
Methyl methacrylate
Concen: 53.528 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW011975.D
Acq: 16 Aug 2019 19:34

Tgt Ion	41	Resp	102489
Ion	Ratio	Lower	Upper
41	100		
69	71.4	57.1	85.7
39	51.8	45.4	68.2





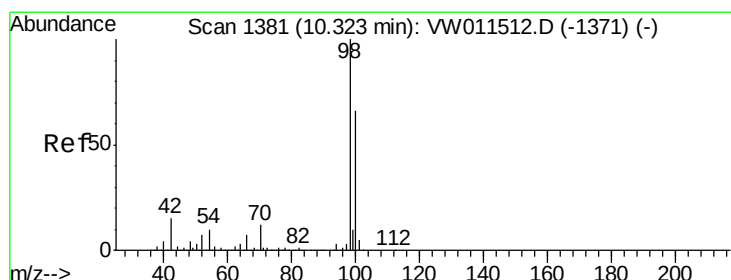
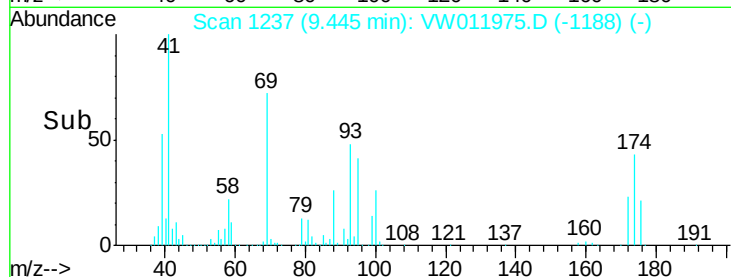
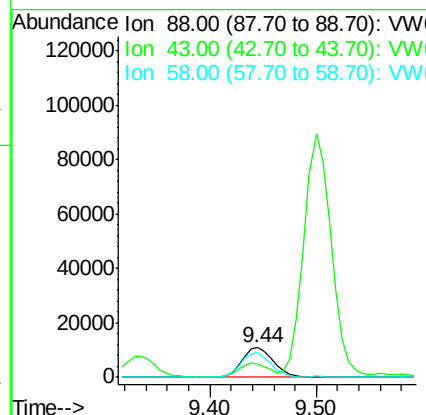
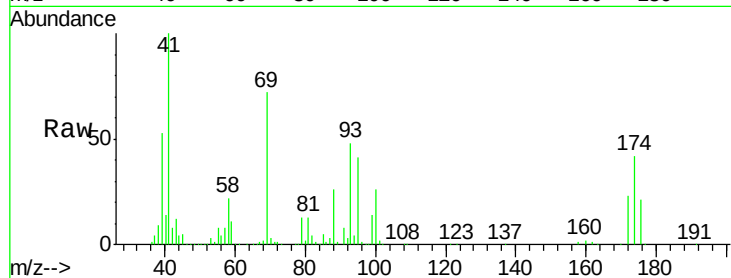
#49
1,4-Dioxane
Concen: 1213.907 ug/l
RT: 9.44 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW011975.D
Acq: 16 Aug 2019 19:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	22650
Ion	Ratio	Lower	Upper
88	100		
43	42.7	34.0	51.0
58	81.3	69.7	104.5

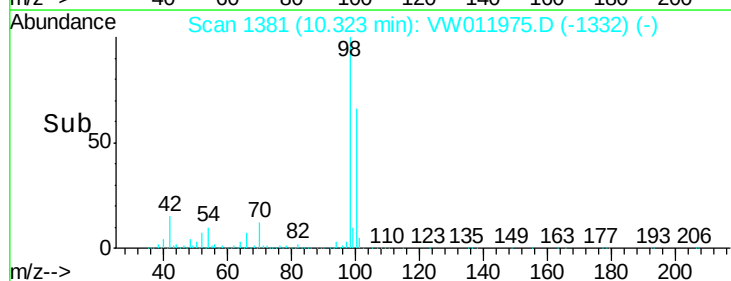
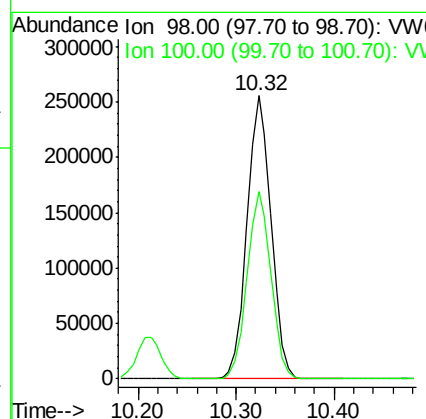
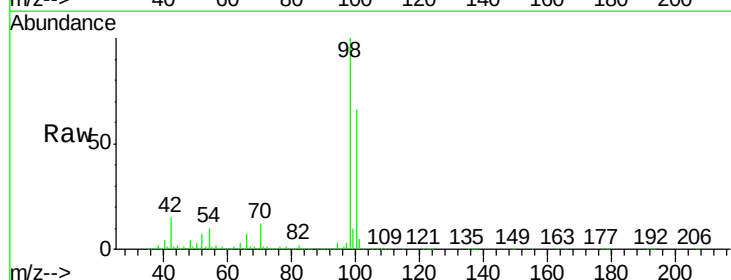
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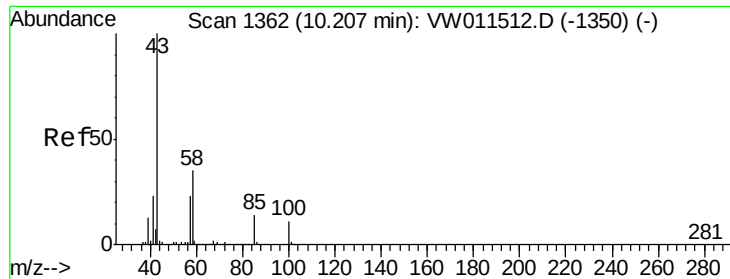
MMDadoda
8/19/2019 10:55:25 AM



#50
Toluene-d8
Concen: 52.306 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011975.D
Acq: 16 Aug 2019 19:34

Tgt Ion	98	Resp	435275
Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.7	79.1





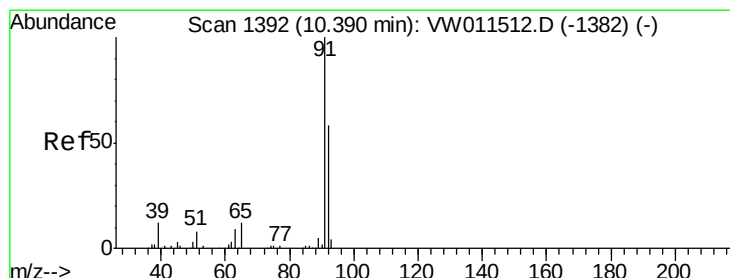
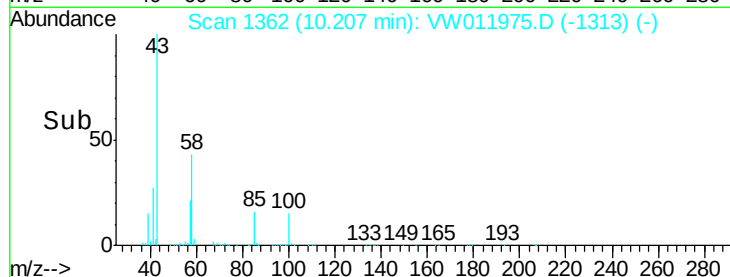
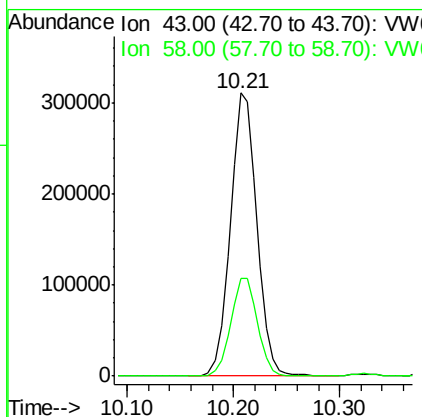
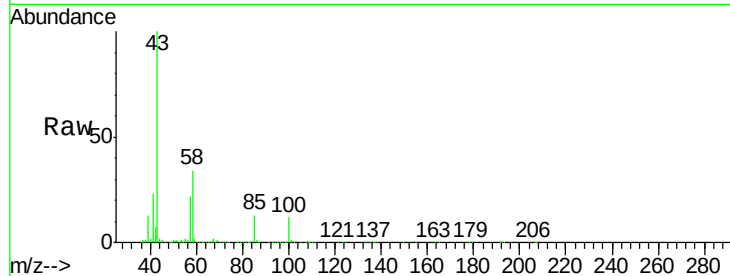
#51
4-Methyl-2-Pentanone
Concen: 260.790 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW011975.D
Acq: 16 Aug 2019 19:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.0	28.2	42.2

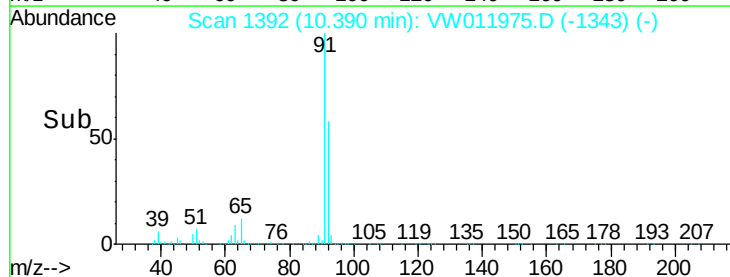
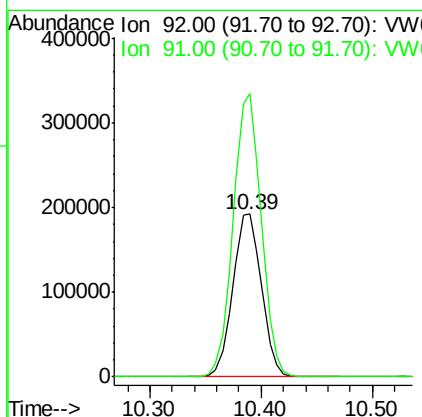
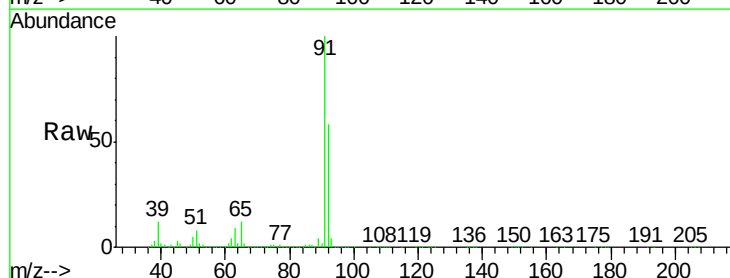
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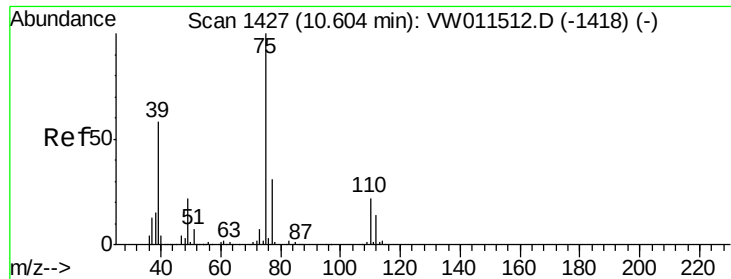
MMDadoda
8/19/2019 10:55:25 AM



#52
Toluene
Concen: 53.401 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW011975.D
Acq: 16 Aug 2019 19:34

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.0	136.7	205.1





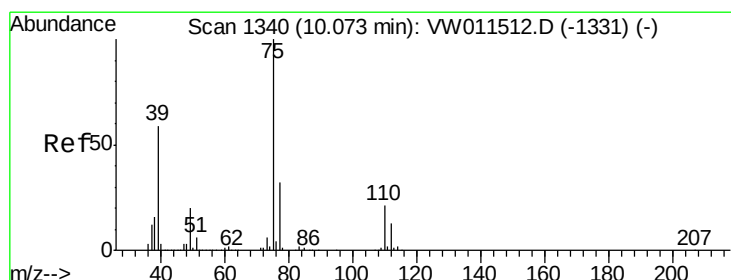
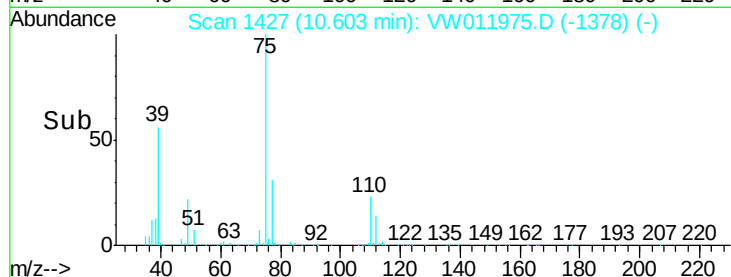
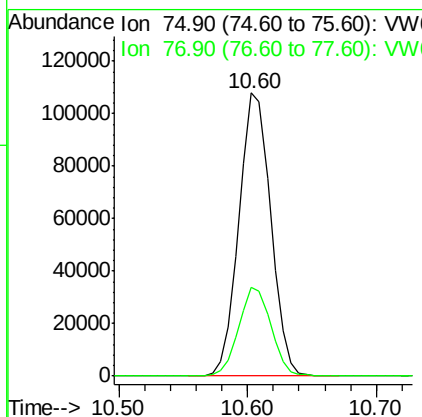
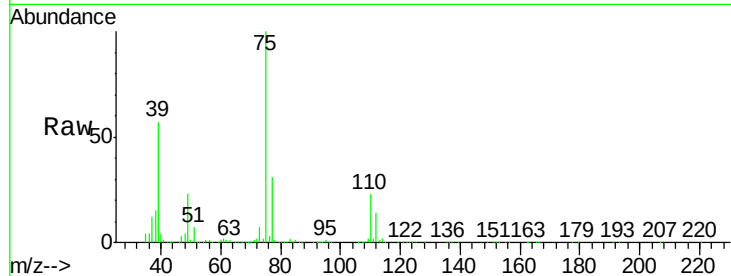
#53
 t-1,3-Dichloropropene
 Concen: 52.370 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW011975.D
 Acq: 16 Aug 2019 19:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 184924
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.0 37.4

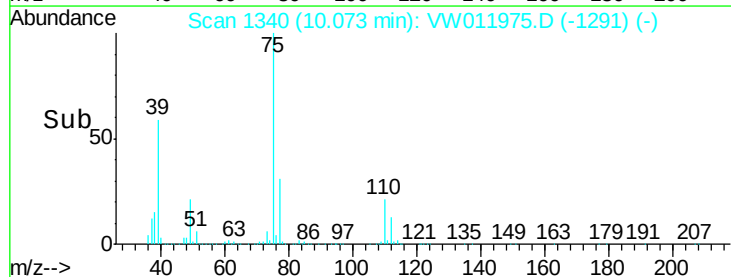
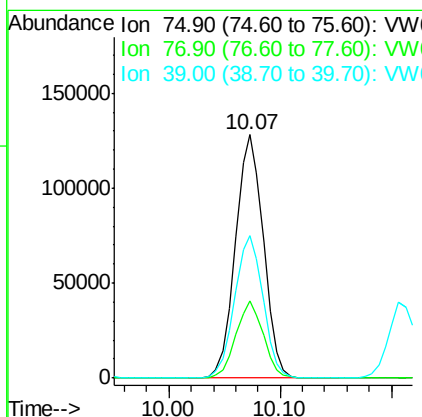
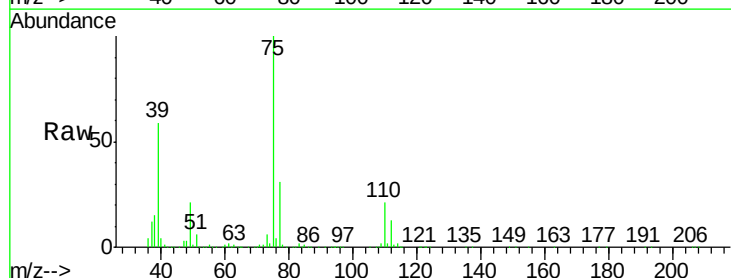
Manual Integrations
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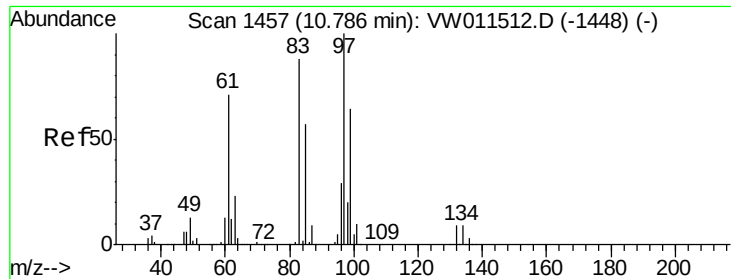
MMDadoda
 8/19/2019 10:55:25 AM



#54
 cis-1,3-Dichloropropene
 Concen: 52.951 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW011975.D
 Acq: 16 Aug 2019 19:34

Tgt Ion: 75 Resp: 222312
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.6 38.4
 39 58.6 47.0 70.4





#55

1,1,2-Trichloroethane

Concen: 53.062 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW011975.D

Acq: 16 Aug 2019 19:34

Instrument :

MSVOA_W

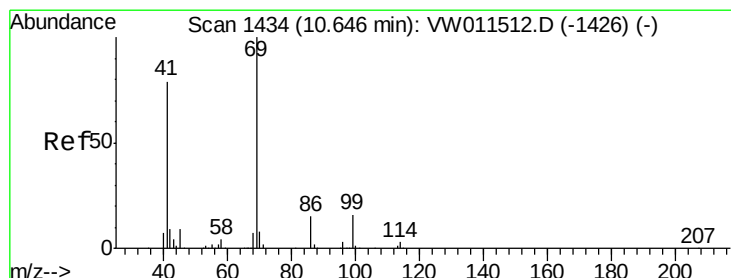
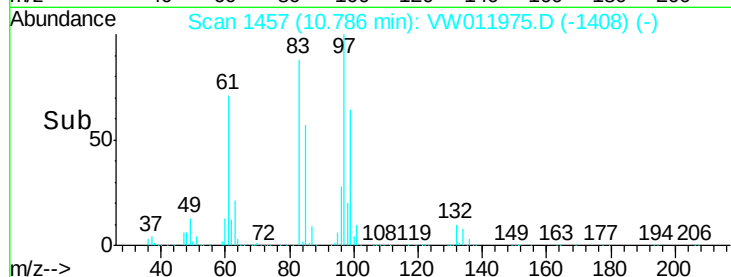
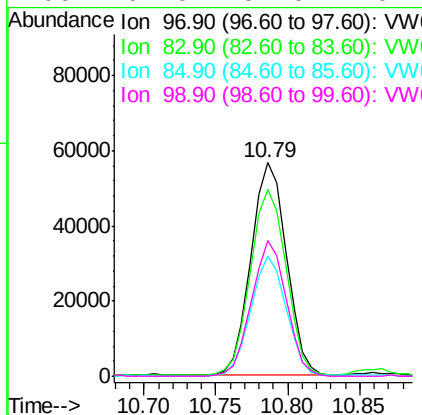
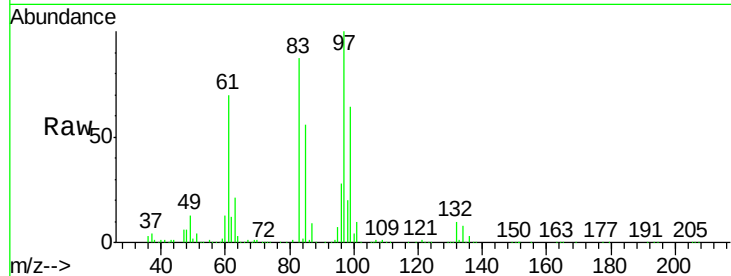
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	97019
Ion	Ratio	Lower	Upper
97	100		
83	87.3	70.5	105.7
85	56.6	45.8	68.6
99	64.0	51.0	76.4

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#56

Ethyl methacrylate

Concen: 54.755 ug/l

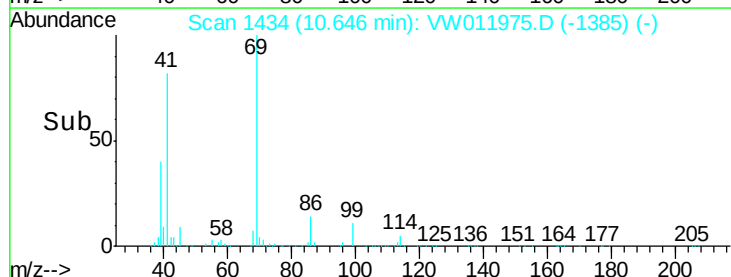
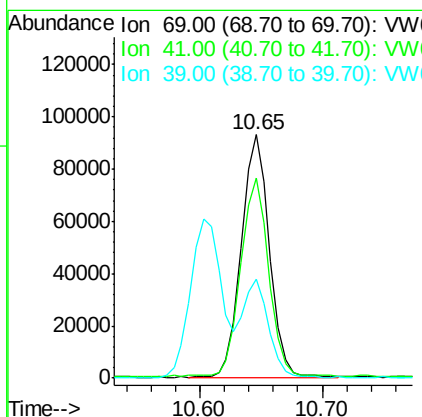
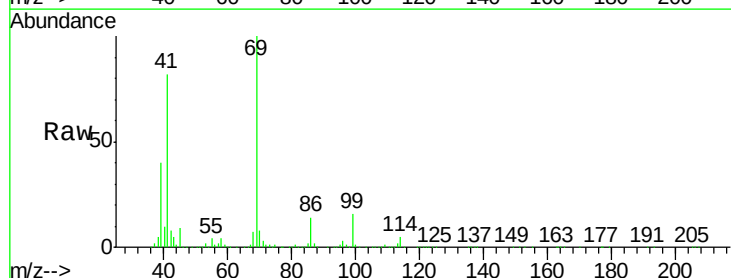
RT: 10.65 min Scan# 1434

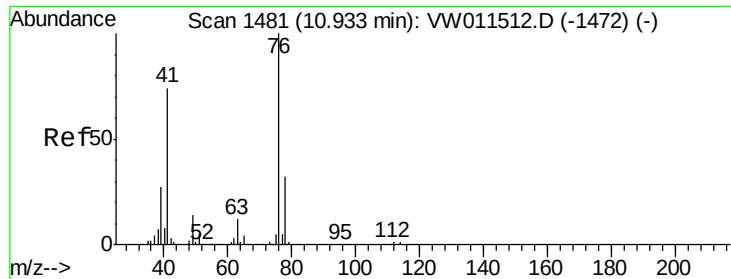
Delta R.T. -0.00 min

Lab File: VW011975.D

Acq: 16 Aug 2019 19:34

Tgt Ion:	69	Resp:	146498
Ion	Ratio	Lower	Upper
69	100		
41	83.7	66.6	99.8
39	37.4	30.3	45.5





#57

1,3-Dichloropropane

Concen: 53.068 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW011975.D

Acq: 16 Aug 2019 19:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 183571

Ion Ratio Lower Upper

76 100

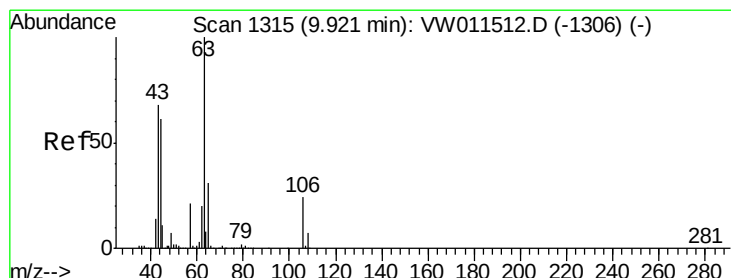
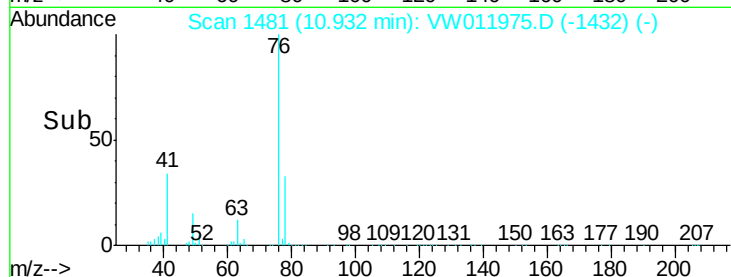
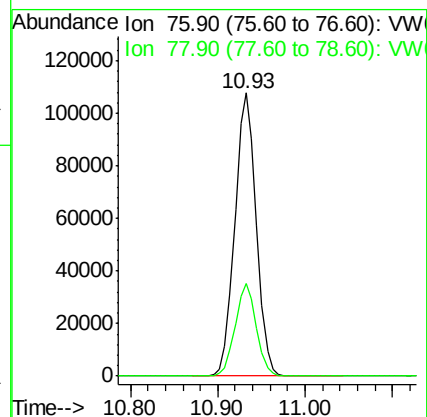
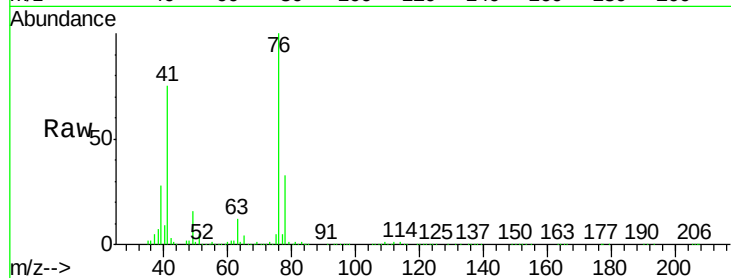
78 32.5 25.2 37.8

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#58

2-Chloroethyl Vinyl ether

Concen: 285.879 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VW011975.D

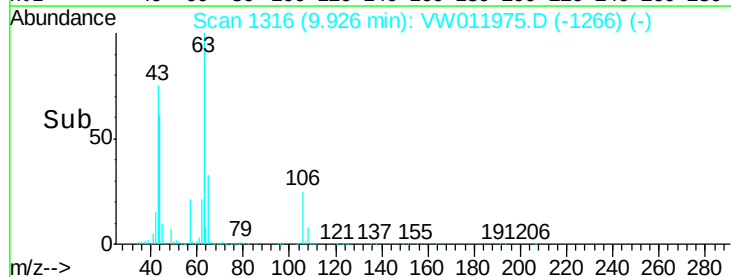
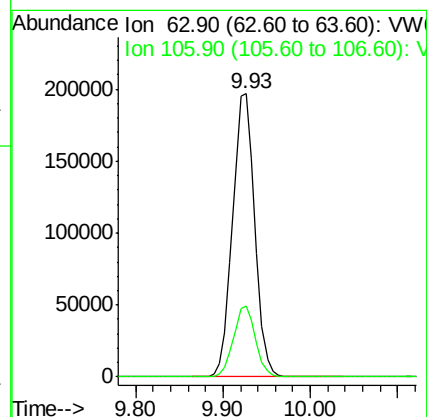
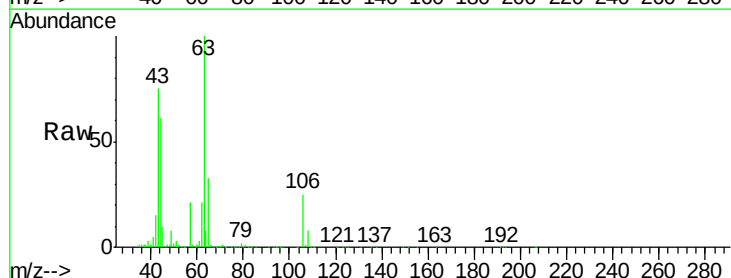
Acq: 16 Aug 2019 19:34

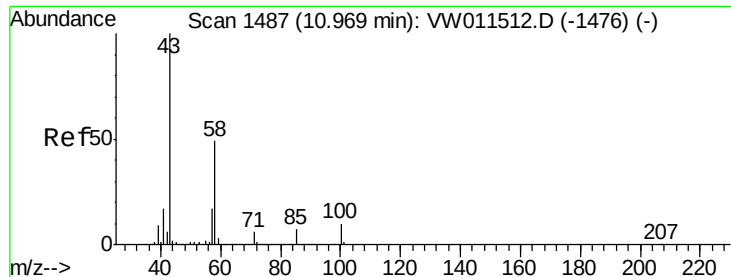
Tgt Ion: 63 Resp: 347285

Ion Ratio Lower Upper

63 100

106 24.5 19.7 29.5





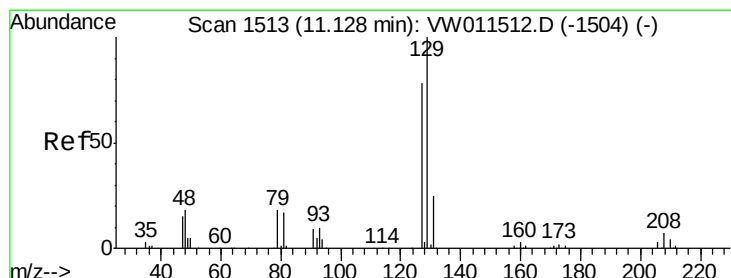
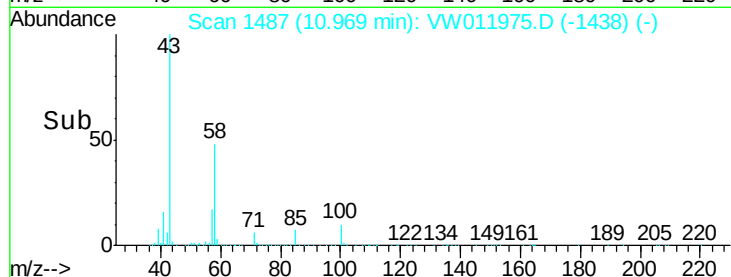
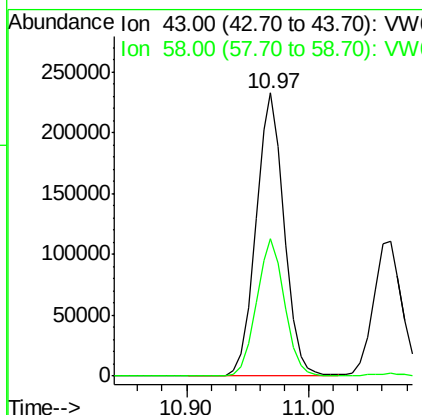
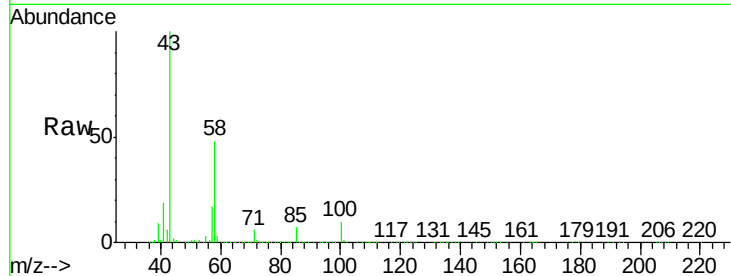
#59
2-Hexanone
Concen: 253.661 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011975.D
Acq: 16 Aug 2019 19:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 371327
Ion Ratio Lower Upper
43 100
58 48.5 24.3 72.9

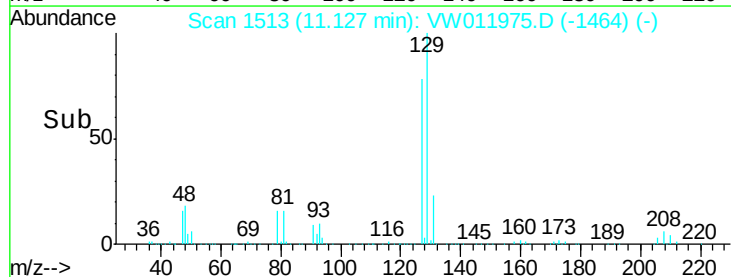
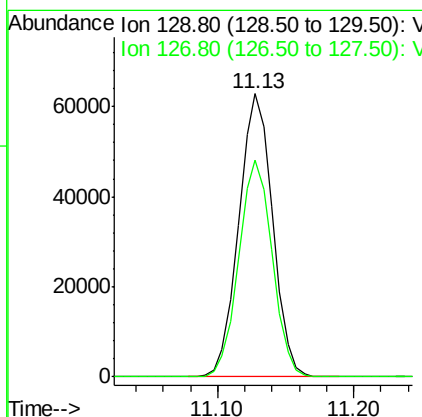
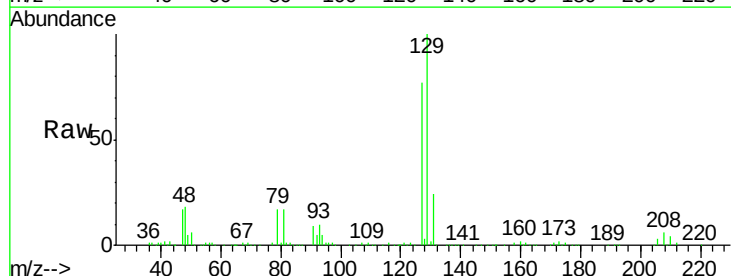
Manual Integrations
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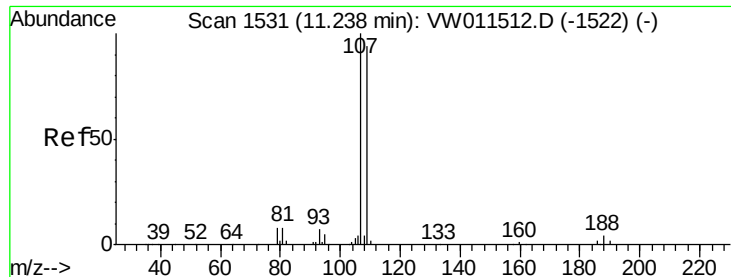
MMDadoda
8/19/2019 10:55:25 AM



#60
Dibromochloromethane
Concen: 53.684 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011975.D
Acq: 16 Aug 2019 19:34

Tgt Ion: 129 Resp: 108955
Ion Ratio Lower Upper
129 100
127 76.0 38.9 116.7





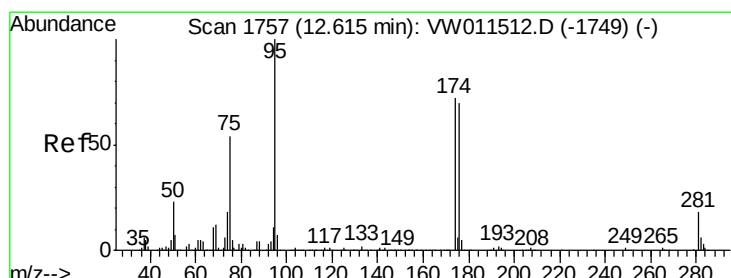
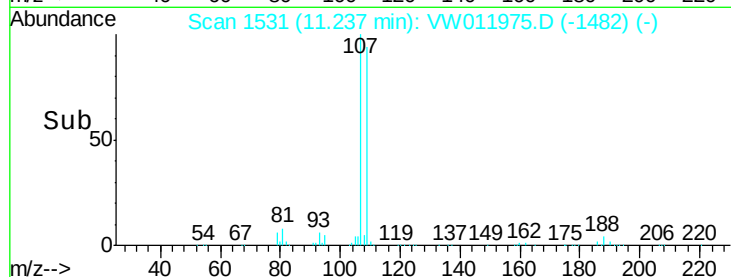
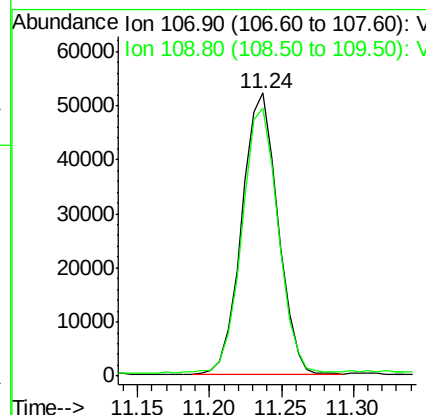
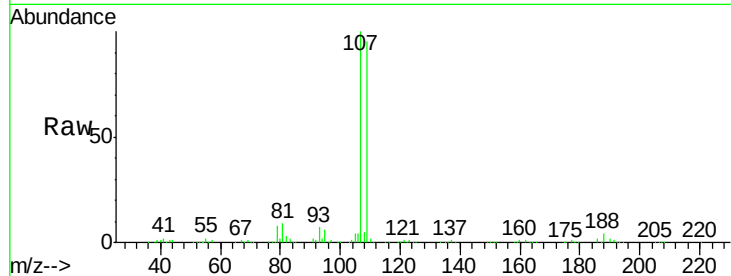
#61
 1,2-Dibromoethane
 Concen: 52.303 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW011975.D
 Acq: 16 Aug 2019 19:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	75.0	112.6

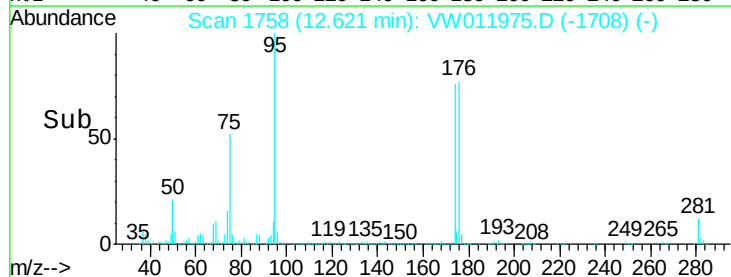
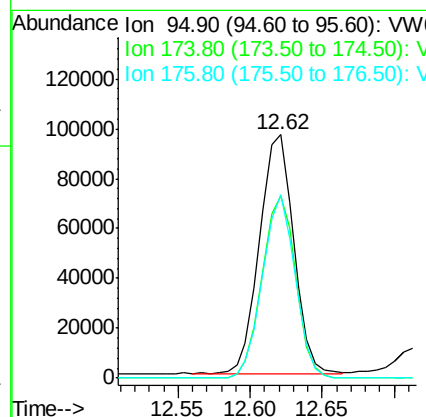
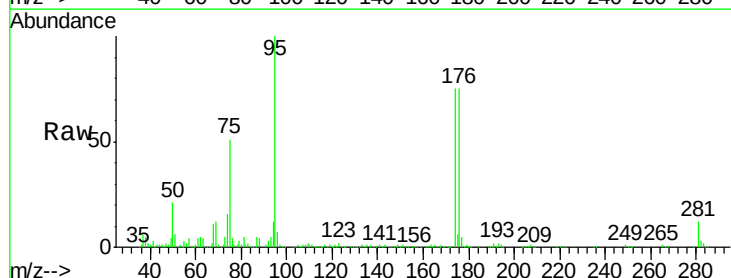
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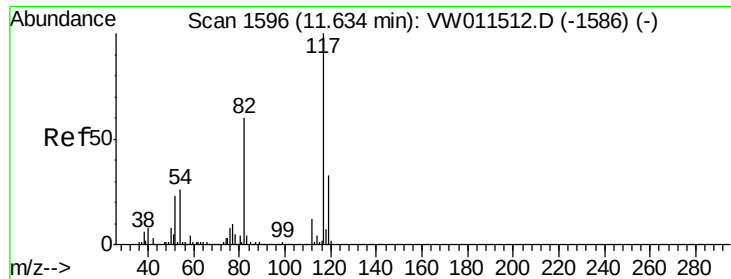
MMDadoda
 8/19/2019 10:55:25 AM



#62
 4-Bromofluorobenzene
 Concen: 53.492 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.01 min
 Lab File: VW011975.D
 Acq: 16 Aug 2019 19:34

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.2	0.0	150.2
176	72.7	0.0	144.4





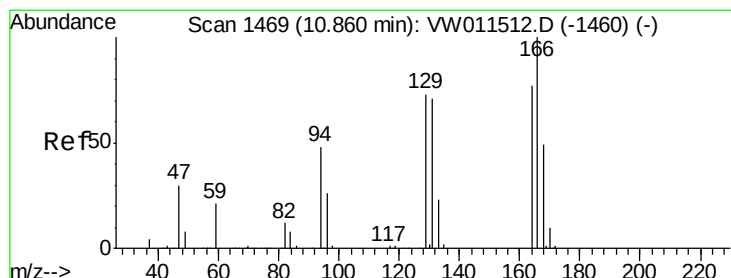
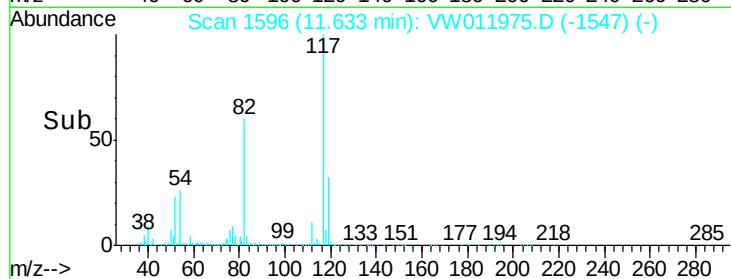
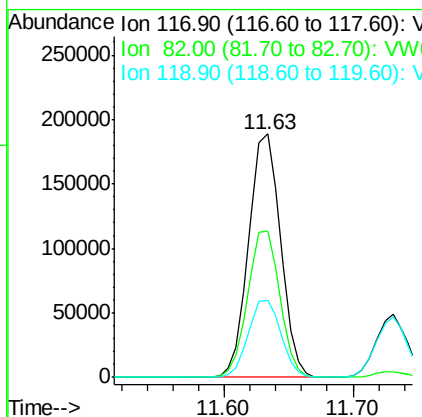
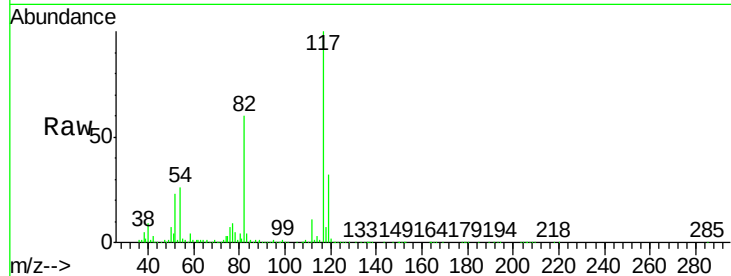
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011975.D
Acq: 16 Aug 2019 19:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.8	47.9	71.9
119	31.6	26.2	39.2

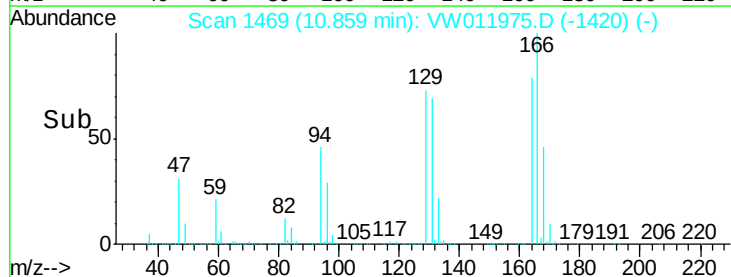
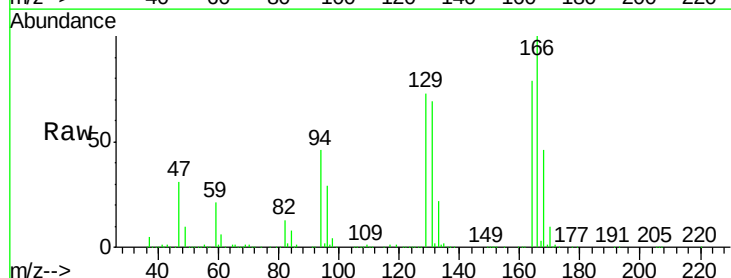
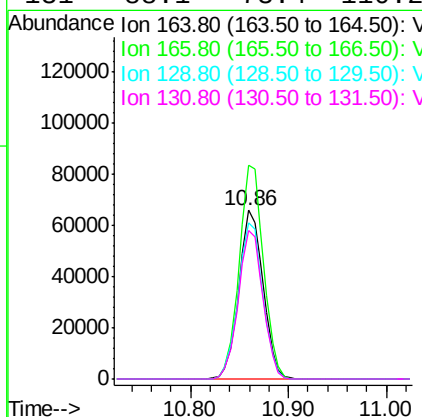
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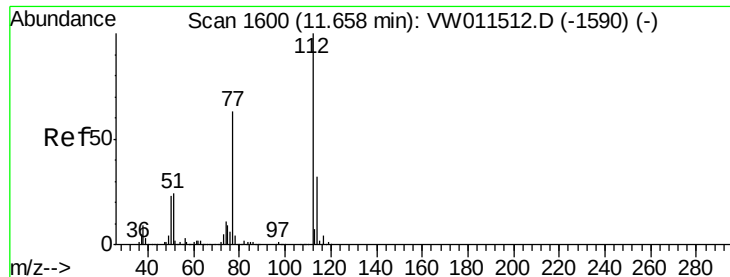
MMDadoda
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#64
Tetrachloroethene
Concen: 53.635 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW011975.D
Acq: 16 Aug 2019 19:34

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.0	103.5	155.3
129	93.2	75.2	112.8
131	88.1	73.4	110.2





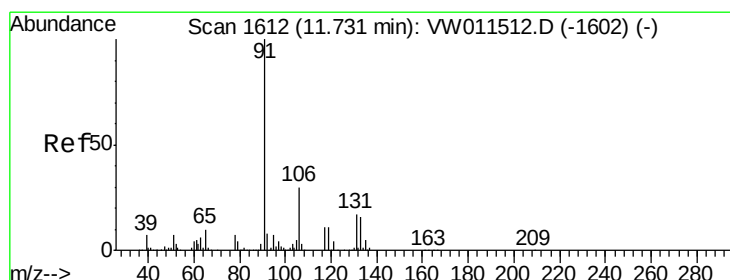
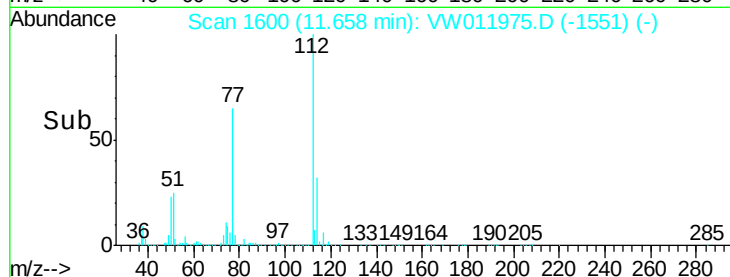
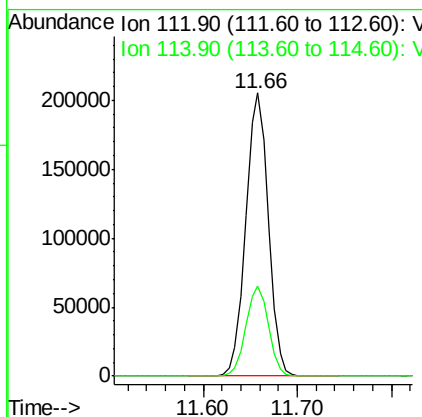
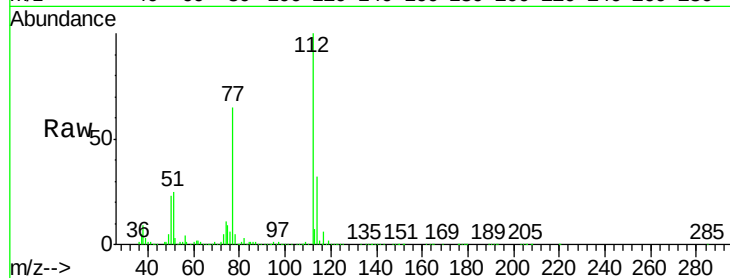
#65
Chlorobenzene
Concen: 52.952 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011975.D
Acq: 16 Aug 2019 19:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
112	100	343450		
114	32.0	25.6	38.4	

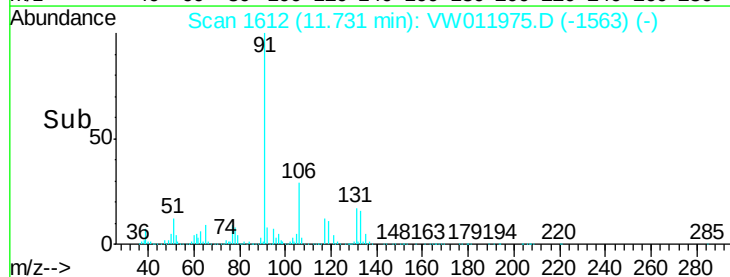
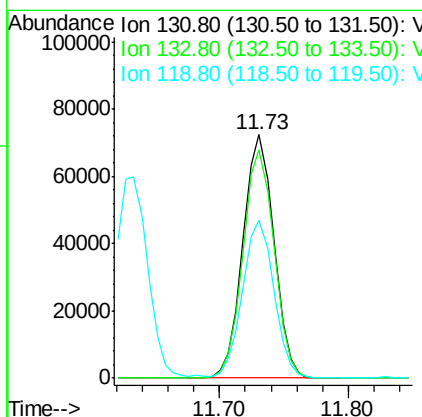
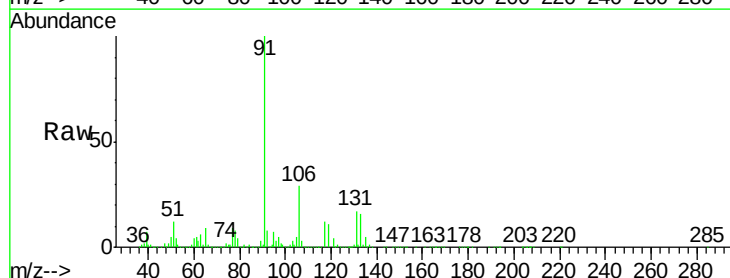
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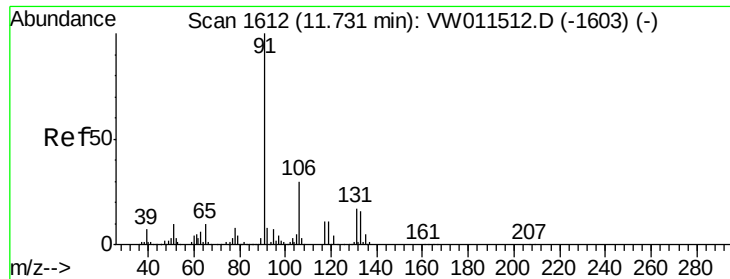
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.250 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011975.D
Acq: 16 Aug 2019 19:34

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	120305		
133	94.1	47.4	142.2	
119	65.1	32.3	96.9	





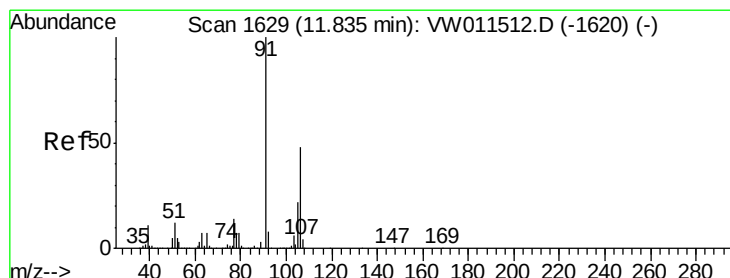
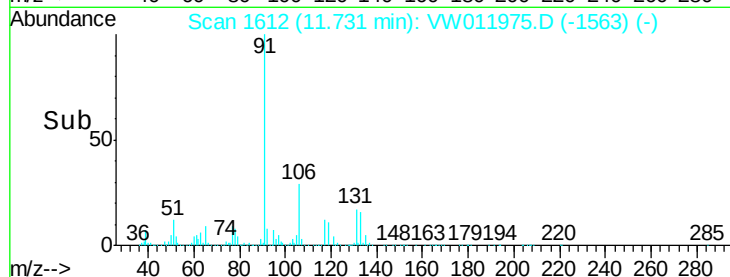
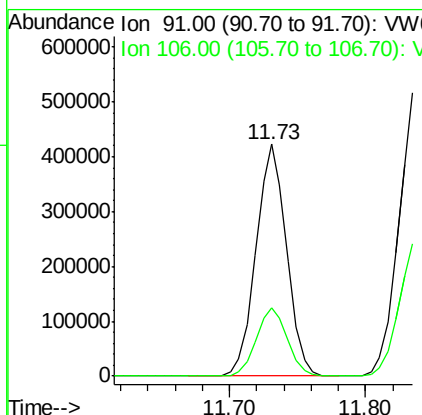
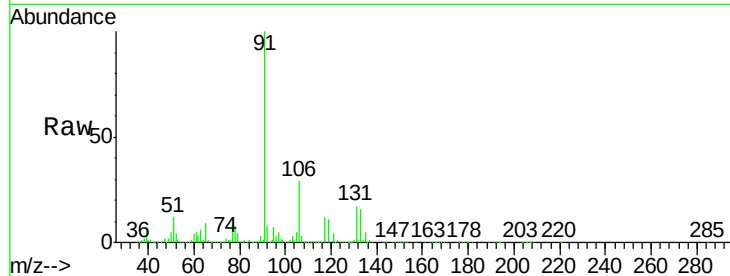
#67
Ethyl Benzene
Concen: 53.723 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011975.D
Acq: 16 Aug 2019 19:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
106	29.3	23.8	35.6

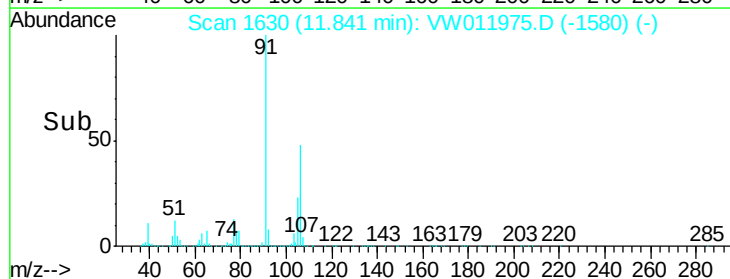
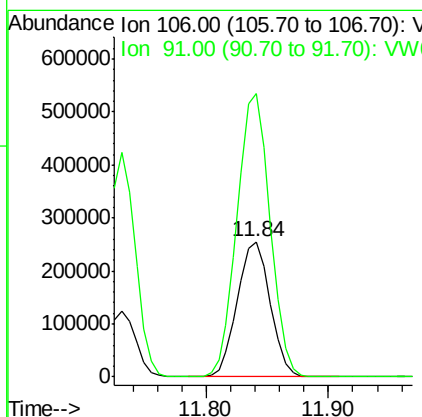
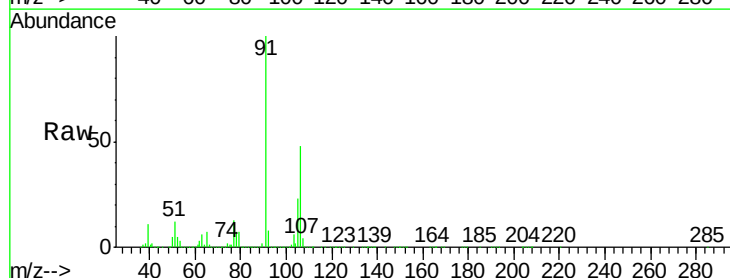
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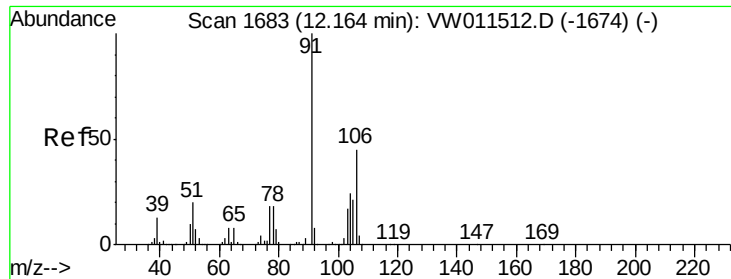
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#68
m/p-Xylenes
Concen: 105.753 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW011975.D
Acq: 16 Aug 2019 19:34

Tgt Ion	Ratio	Lower	Upper
106	100		
91	210.5	168.2	252.2





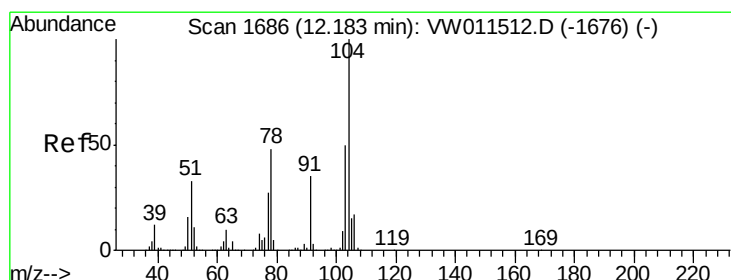
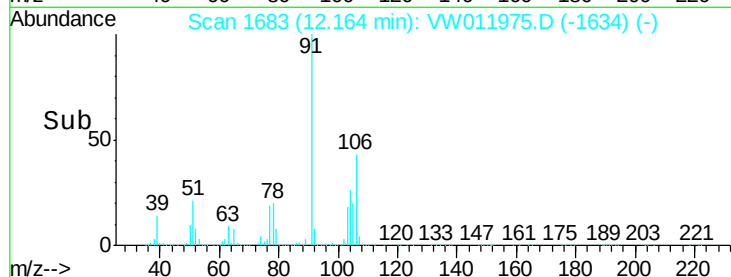
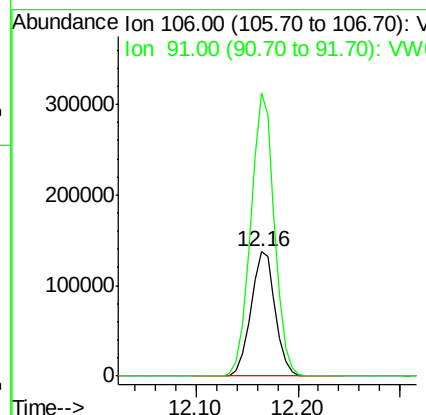
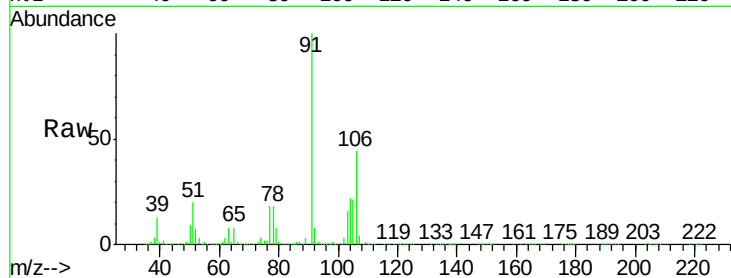
#69
o-Xylene
Concen: 54.151 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011975.D
Acq: 16 Aug 2019 19:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	221.9	110.5	331.5

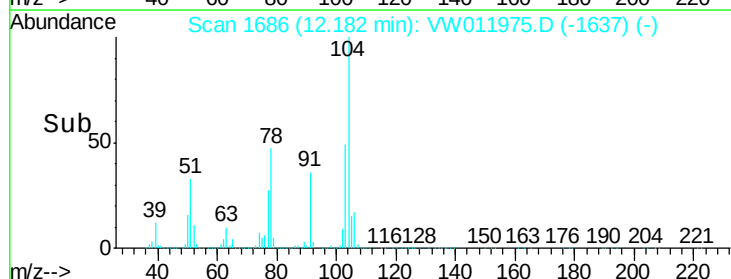
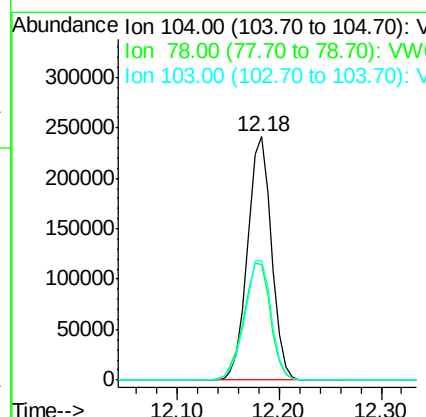
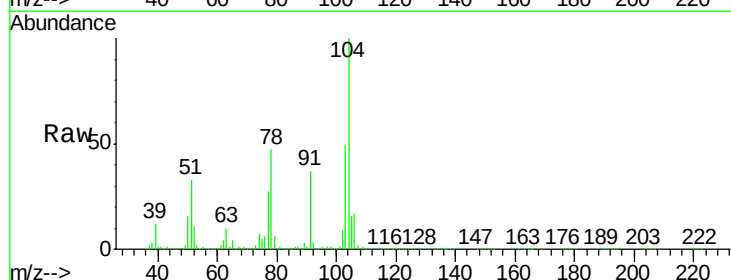
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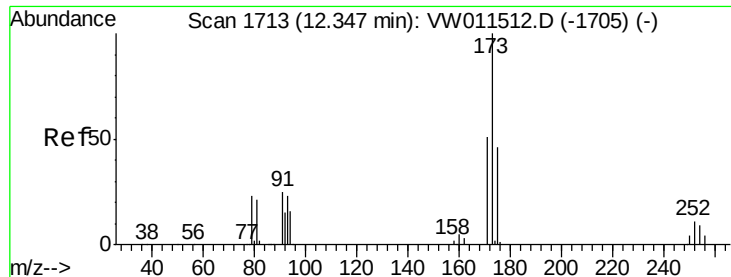
MMDadoda
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#70
Styrene
Concen: 54.439 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011975.D
Acq: 16 Aug 2019 19:34

Tgt Ion	Ratio	Lower	Upper
104	100		
78	53.7	43.4	65.0
103	54.6	43.9	65.9





#71

Bromoform

Concen: 52.053 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW011975.D

Acq: 16 Aug 2019 19:34

Instrument :

MSVOA_W

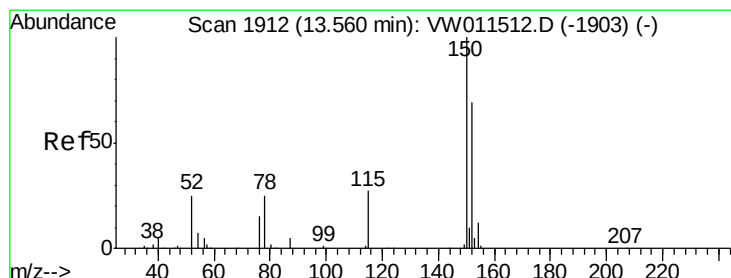
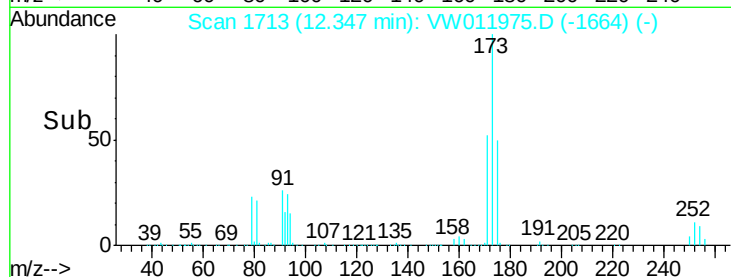
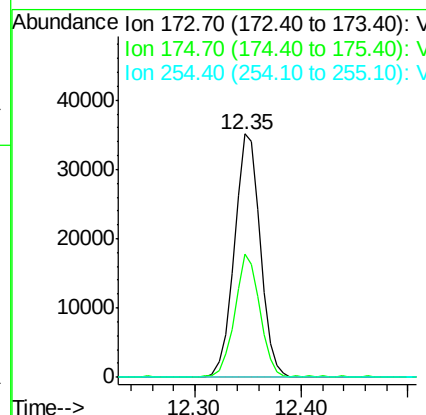
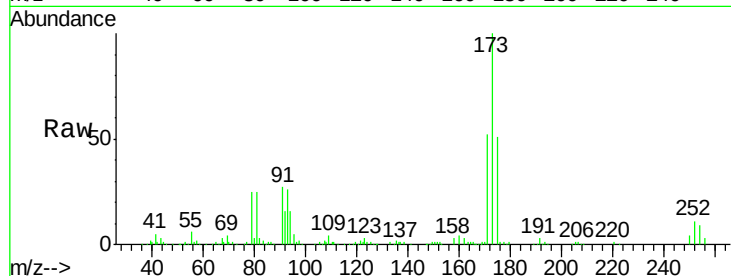
ClientSampleId :

VSTDCCC050EC

Tot Ion:	173	Resp:	59961
Ion Ratio	Lower	Upper	
173	100		
175	48.6	23.6	71.0
254	0.1	0.1	0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

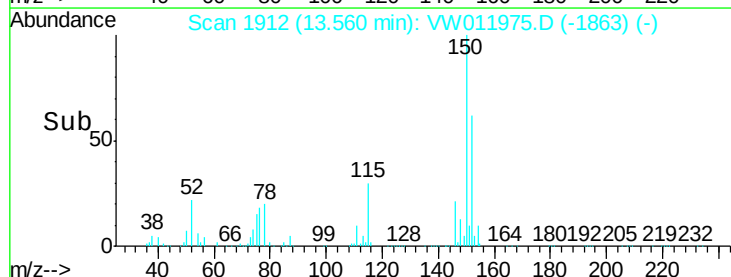
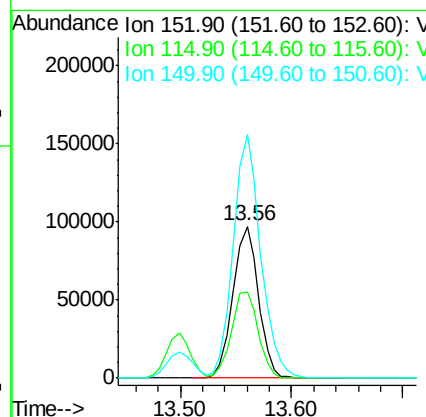
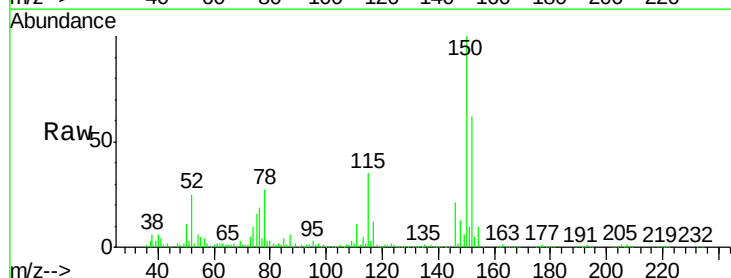
RT: 13.56 min Scan# 1912

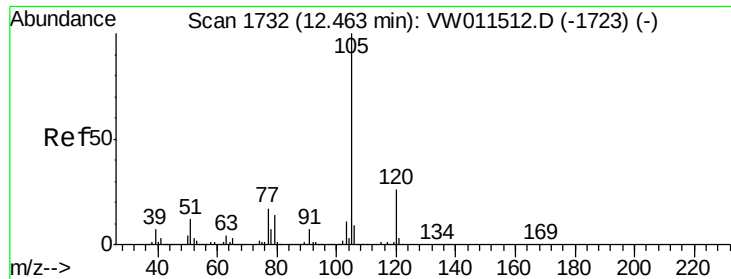
Delta R.T. -0.00 min

Lab File: VW011975.D

Acq: 16 Aug 2019 19:34

Tgt Ion:	152	Resp:	153421
Ion Ratio	Lower	Upper	
152	100		
115	59.3	30.5	91.5
150	172.4	0.0	352.6





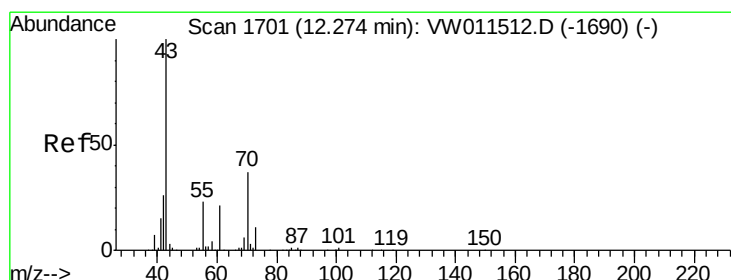
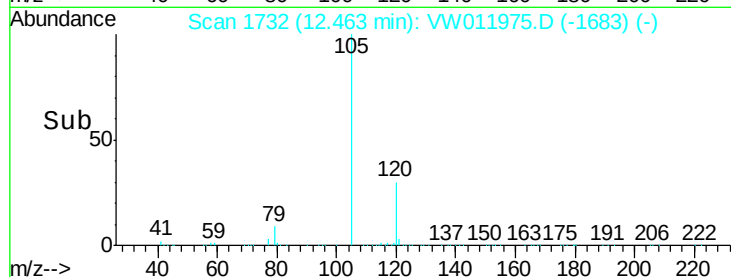
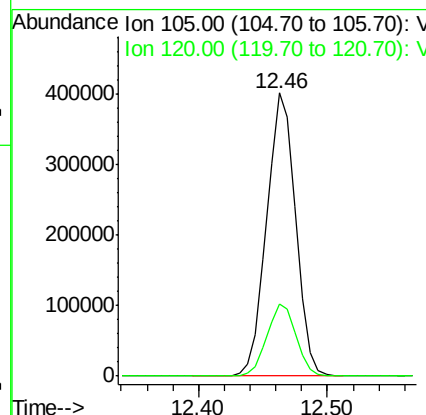
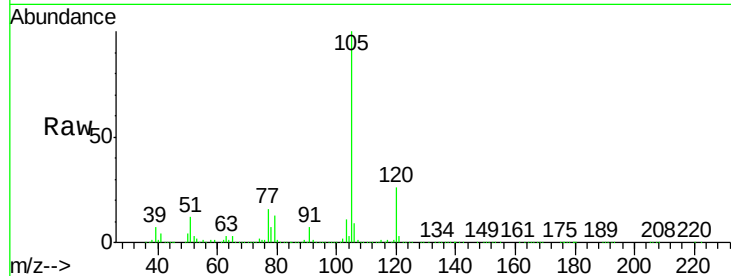
#73
Isopropylbenzene
Concen: 54.488 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW011975.D
Acq: 16 Aug 2019 19:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.9	12.9	38.7

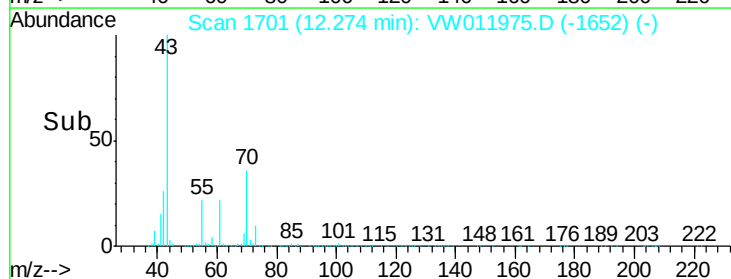
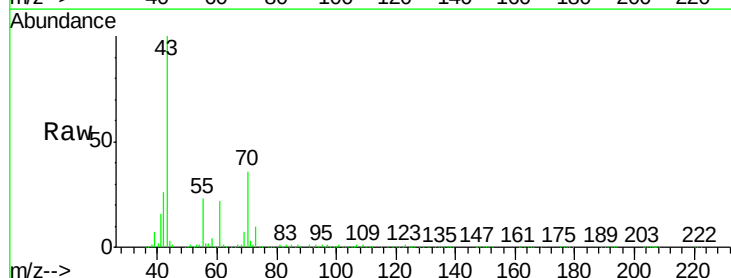
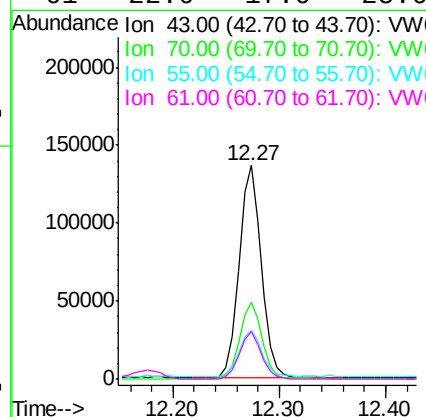
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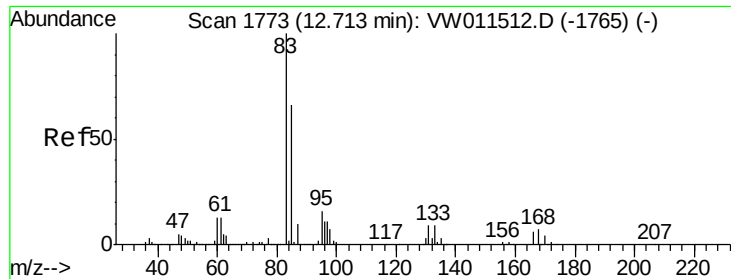
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#74
N-ethyl acetate
Concen: 55.461 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW011975.D
Acq: 16 Aug 2019 19:34

Tgt Ion	Ratio	Lower	Upper
43	100		
70	36.2	28.6	43.0
55	22.3	17.8	26.8
61	22.0	17.0	25.6





#75

1,1,2,2-Tetrachloroethane

Concen: 52.145 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011975.D

Acq: 16 Aug 2019 19:34

Instrument :

MSVOA_W

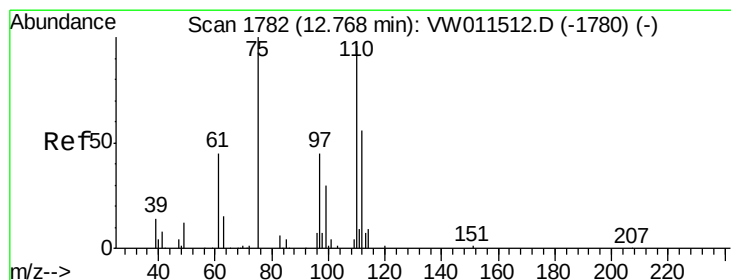
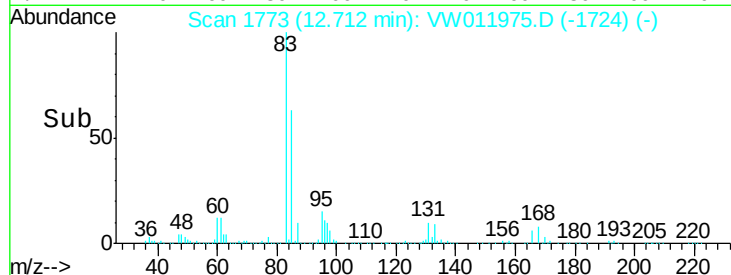
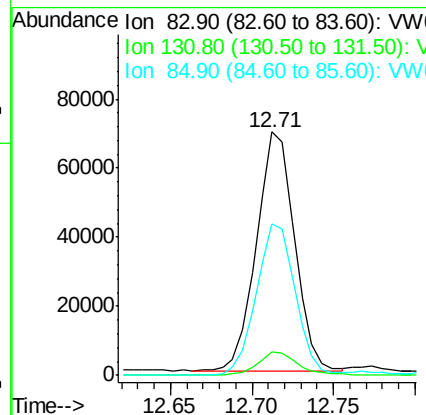
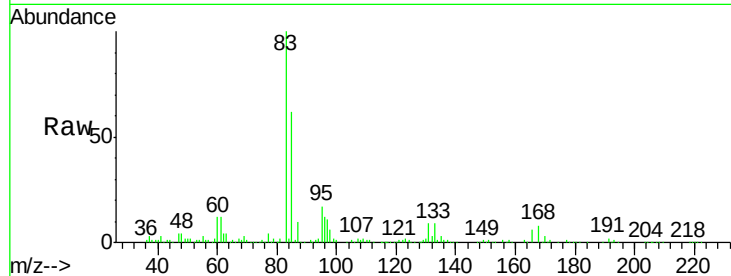
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	112263
Ion Ratio	Lower	Upper	
83	100		
131	10.2	4.9	14.6
85	64.6	31.8	95.4

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#76

1,2,3-Trichloropropane

Concen: 48.977 ug/l m

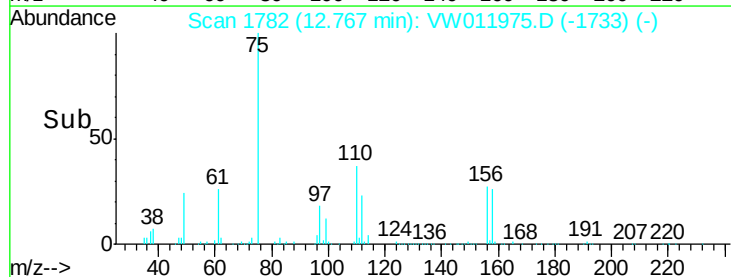
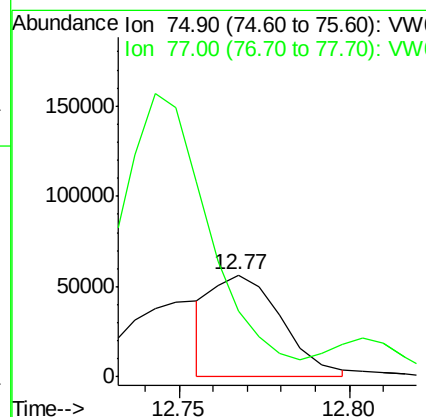
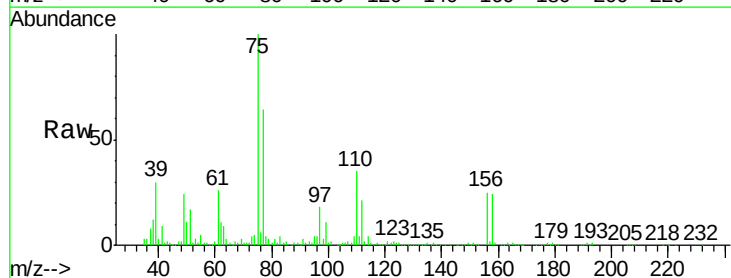
RT: 12.77 min Scan# 1782

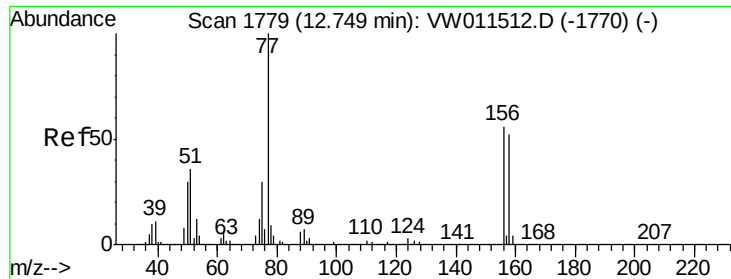
Delta R.T. -0.00 min

Lab File: VW011975.D

Acq: 16 Aug 2019 19:34

Tgt Ion:	75	Resp:	79508
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 54.216 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW011975.D

Acq: 16 Aug 2019 19:34

Instrument :

MSVOA_W

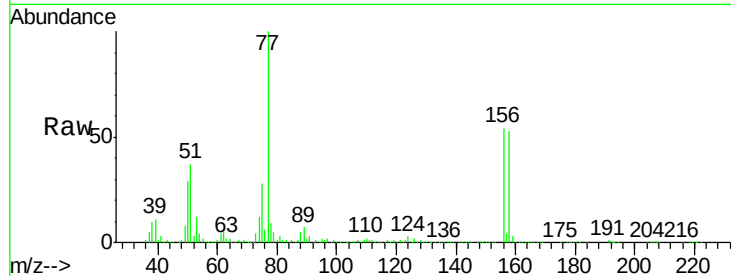
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	137156
Ion Ratio	Lower	Upper	
156	100		
77	210.2	106.5	319.4
158	96.6	48.0	144.2

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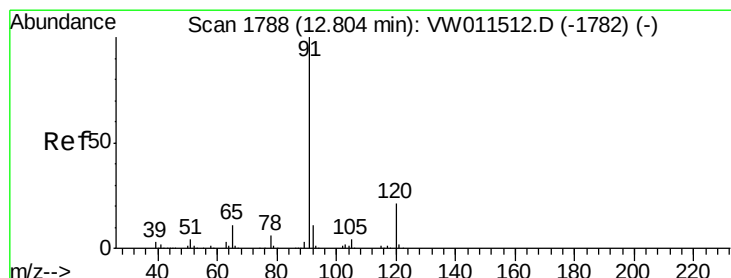
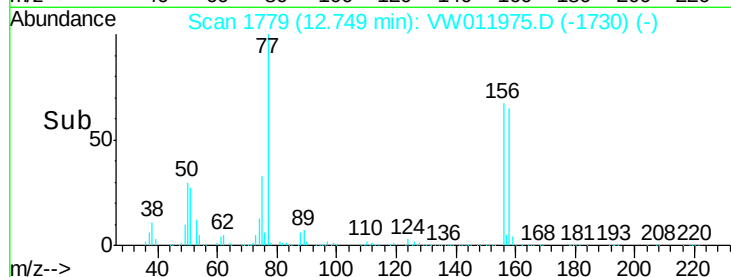
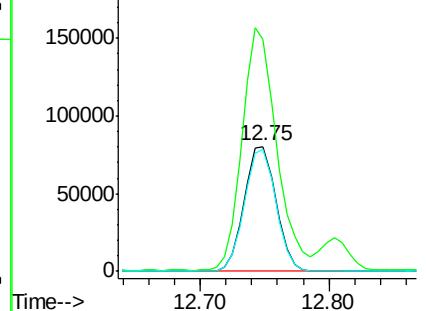
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.789 ug/l

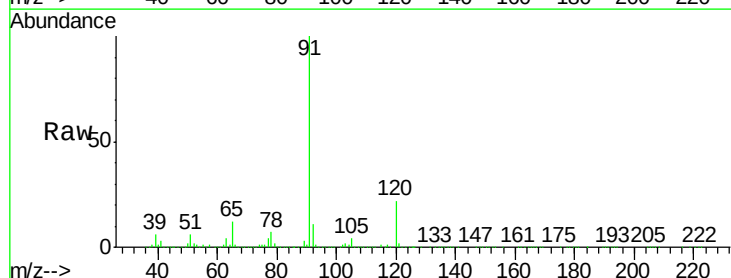
RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW011975.D

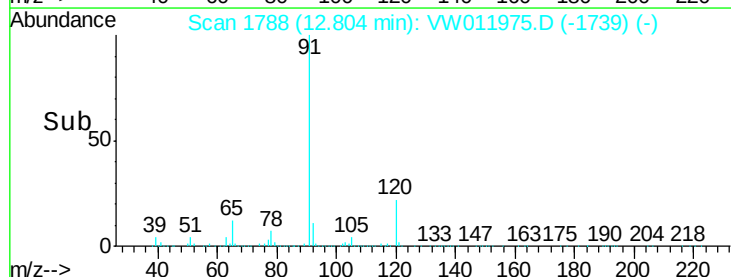
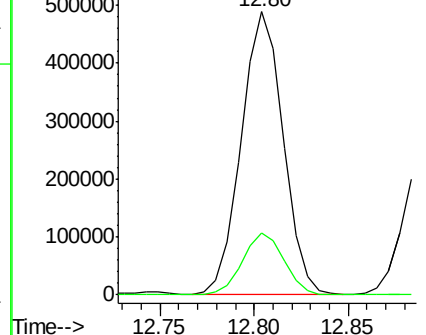
Acq: 16 Aug 2019 19:34

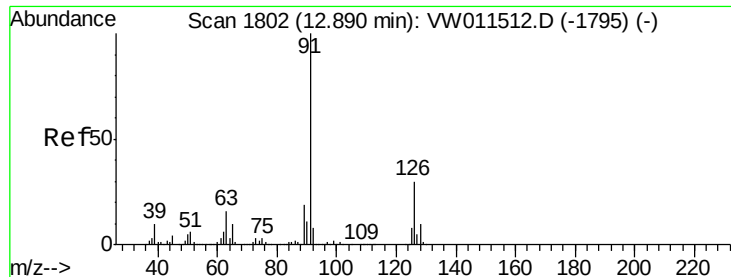
Tgt Ion:	91	Resp:	749239
Ion Ratio	Lower	Upper	
91	100		
120	21.9	10.9	32.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.416 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW011975.D

Acq: 16 Aug 2019 19:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 428648

Ion Ratio Lower Upper

91 100

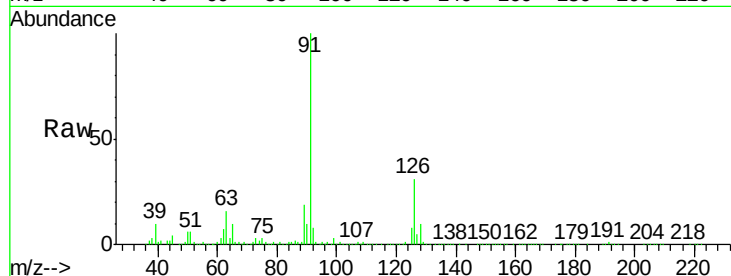
126 31.5 15.7 47.1

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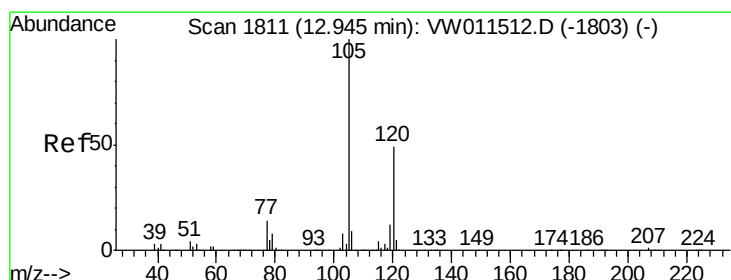
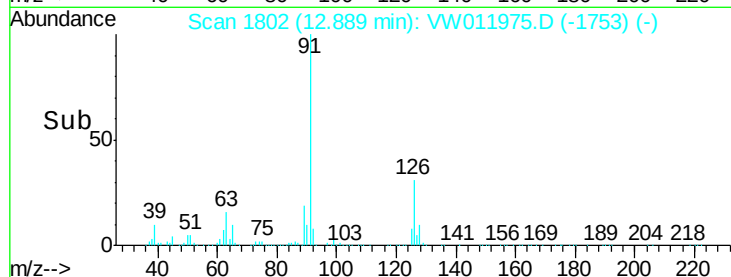
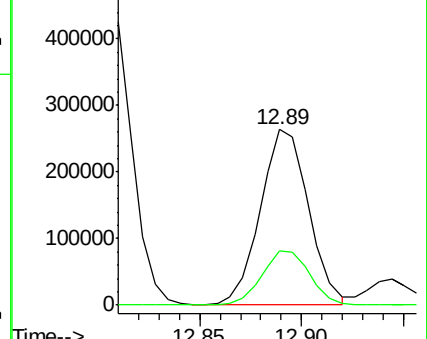
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 54.866 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW011975.D

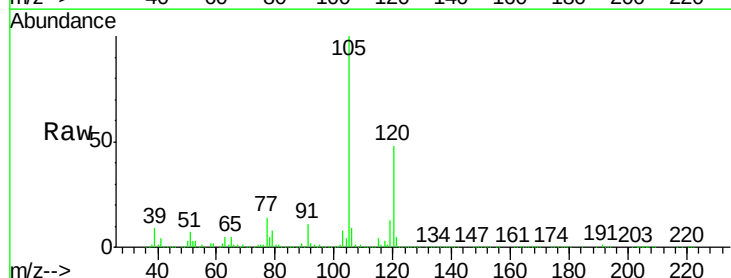
Acq: 16 Aug 2019 19:34

Tgt Ion:105 Resp: 526400

Ion Ratio Lower Upper

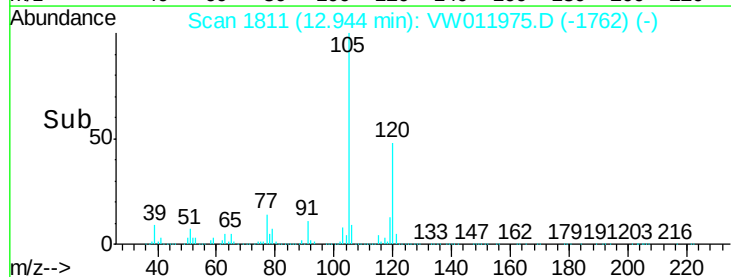
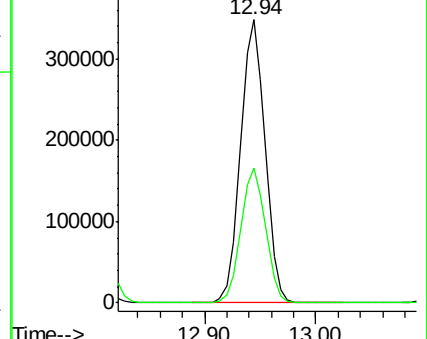
105 100

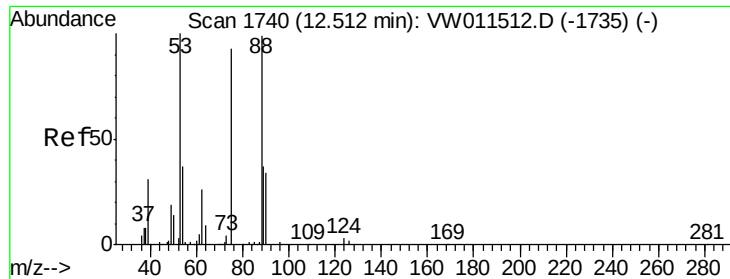
120 48.0 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





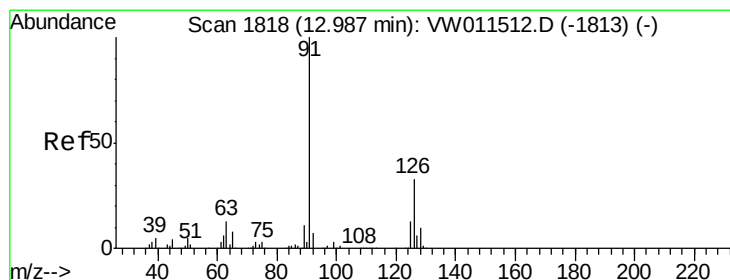
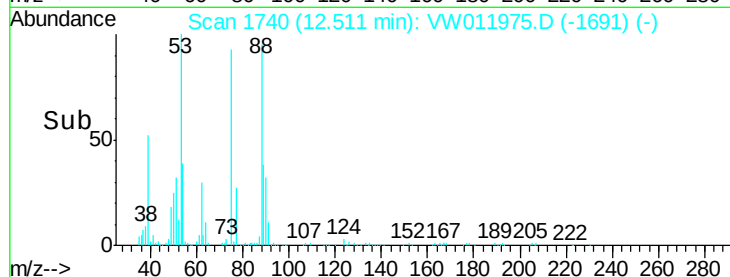
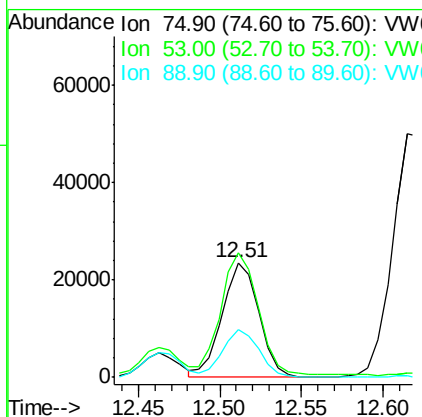
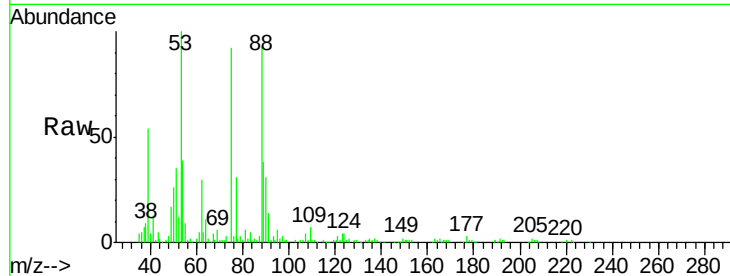
#81
trans-1,4-Dichloro-2-butene
Concen: 51.994 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW011975.D
Acq: 16 Aug 2019 19:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	107.5	88.0	132.0
89	41.9	35.3	52.9

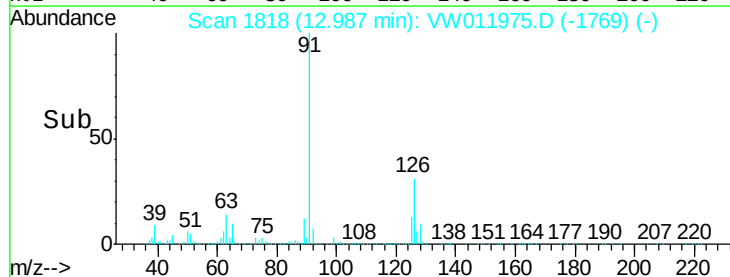
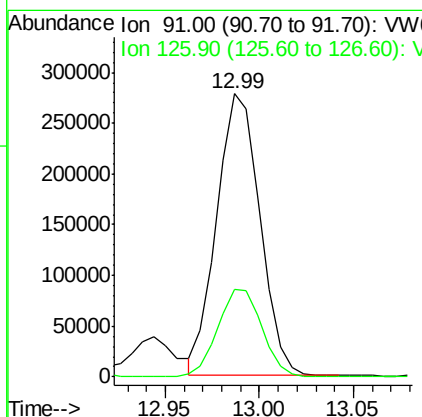
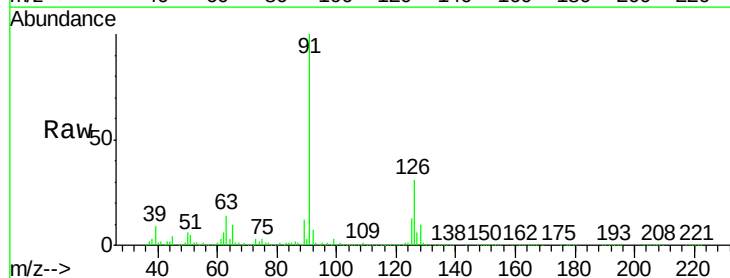
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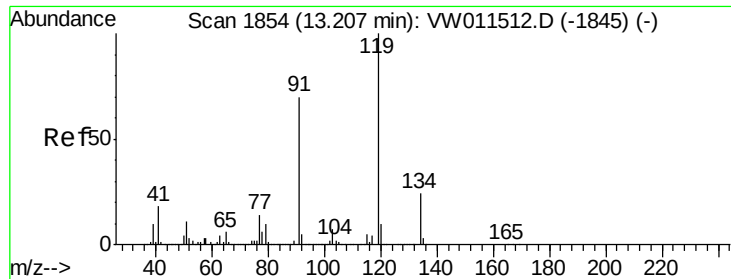
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#82
4-Chlorotoluene
Concen: 52.486 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW011975.D
Acq: 16 Aug 2019 19:34

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.9	15.6	46.8





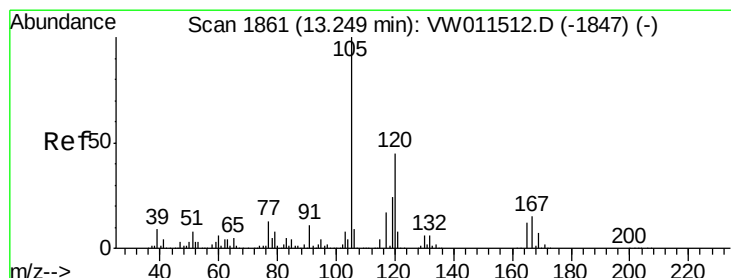
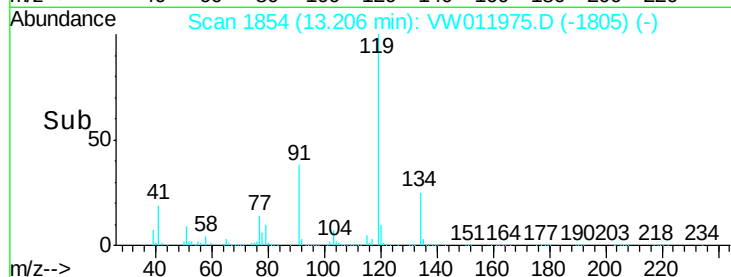
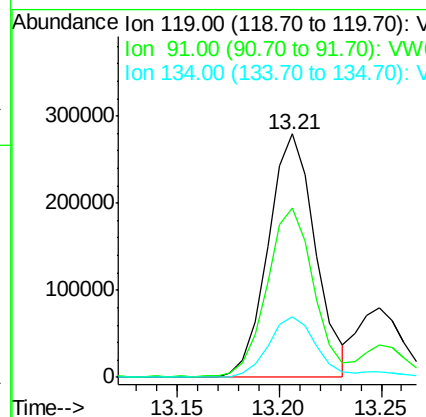
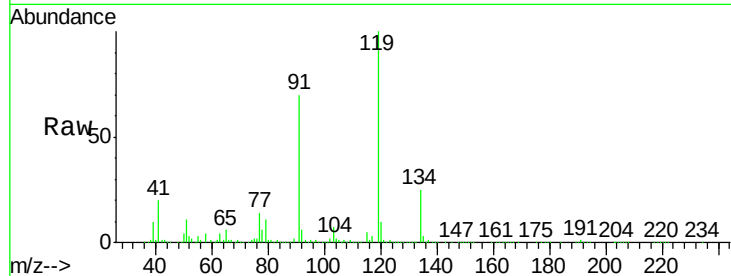
#83
 tert-Butylbenzene
 Concen: 56.009 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW011975.D
 Acq: 16 Aug 2019 19:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.4	34.5	103.6
134	25.2	12.4	37.4

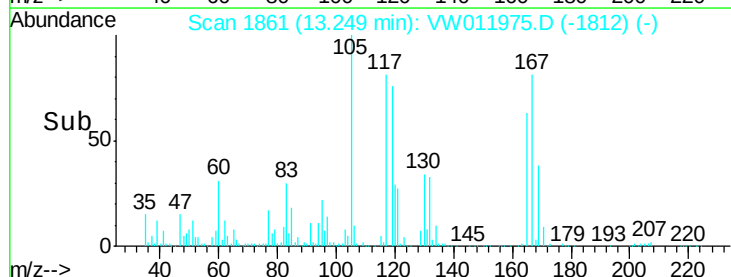
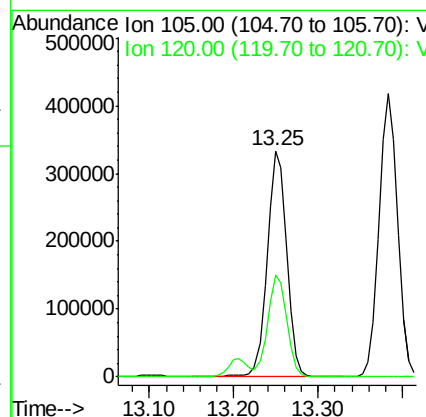
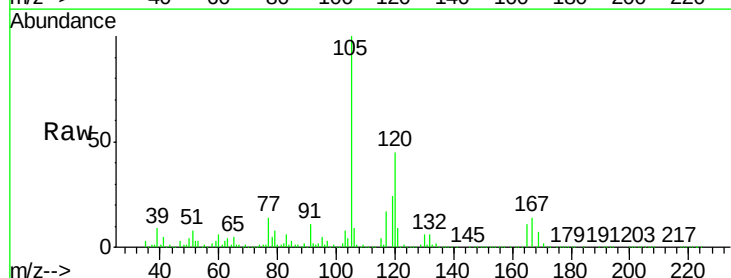
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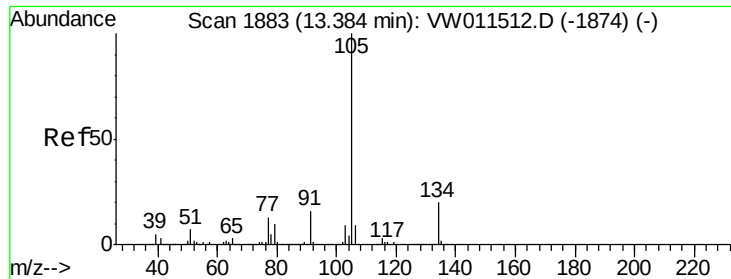
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#84
 1,2,4-Trimethylbenzene
 Concen: 54.734 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW011975.D
 Acq: 16 Aug 2019 19:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.9	22.1	66.5





#85

sec-Butylbenzene

Concen: 55.801 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW011975.D

Acq: 16 Aug 2019 19:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 638811

Ion Ratio Lower Upper

105 100

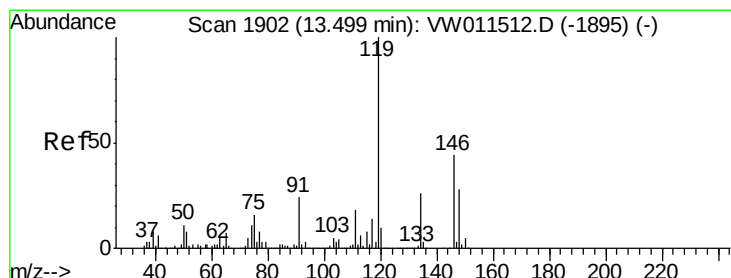
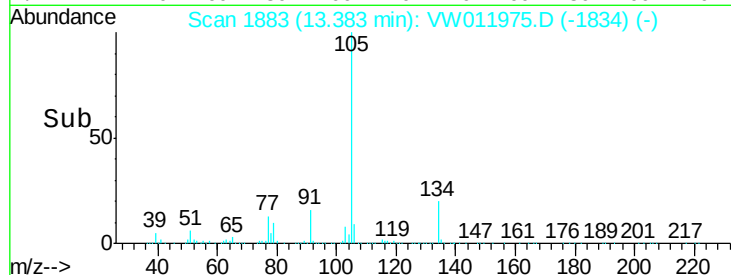
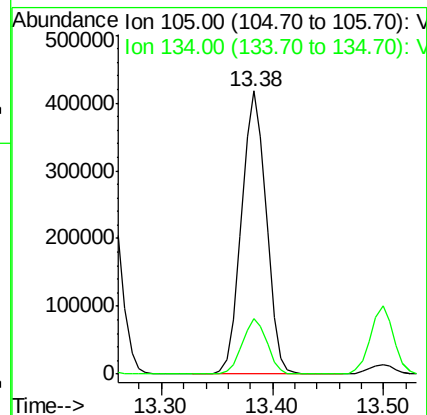
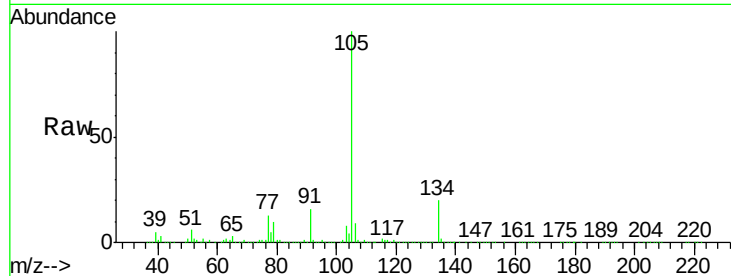
134 19.4 9.7 29.1

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#86

p-Isopropyltoluene

Concen: 54.927 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW011975.D

Acq: 16 Aug 2019 19:34

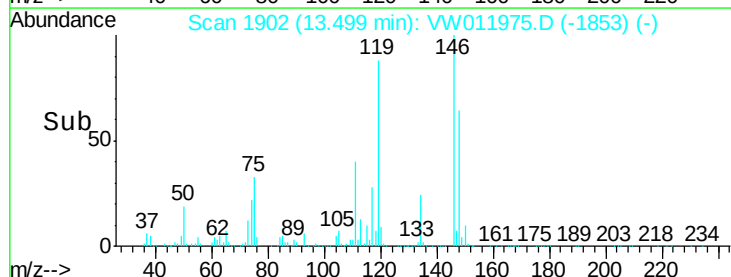
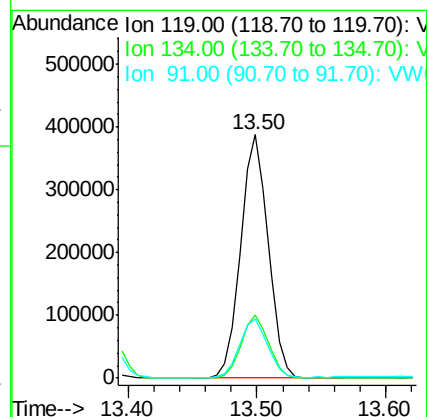
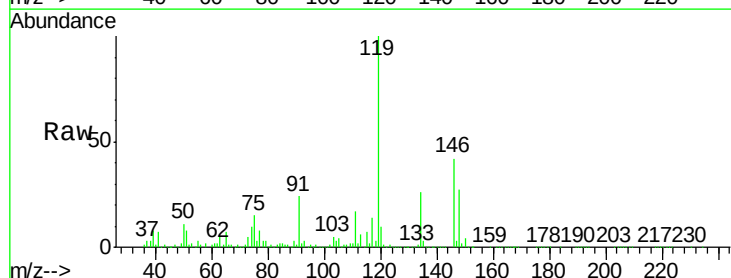
Tgt Ion:119 Resp: 570522

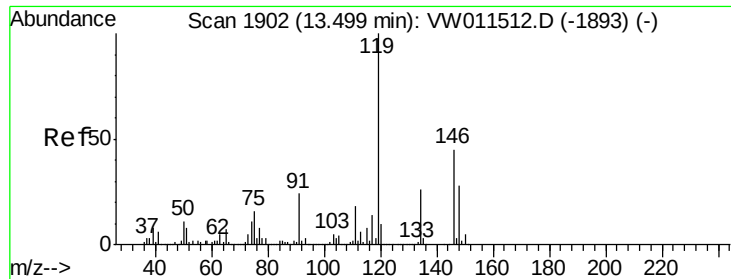
Ion Ratio Lower Upper

119 100

134 25.7 12.8 38.4

91 24.2 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 53.135 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW011975.D

Acq: 16 Aug 2019 19:34

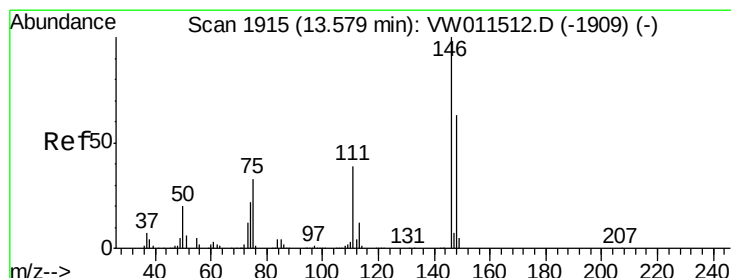
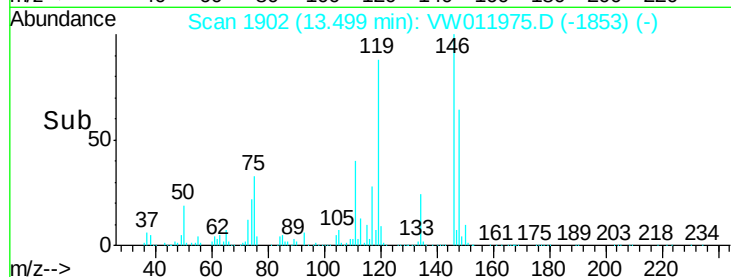
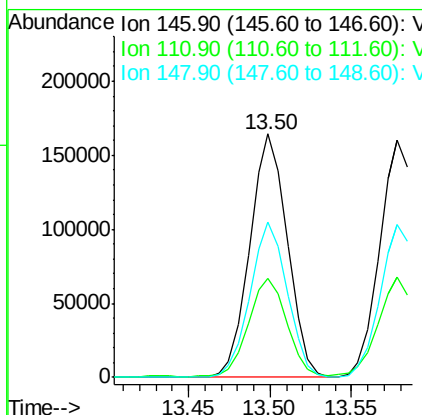
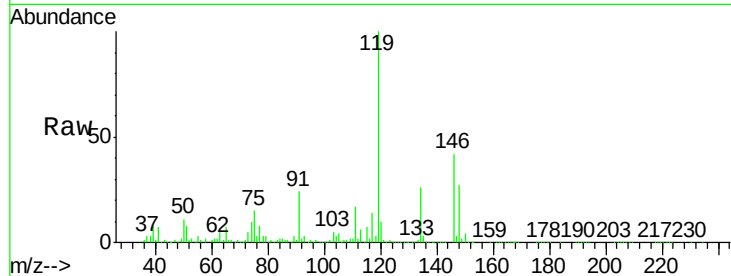
Instrument :
MSVOA_W

ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.5	61.6
148	62.7	31.8	95.3

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#88

1,4-Dichlorobenzene

Concen: 52.163 ug/l

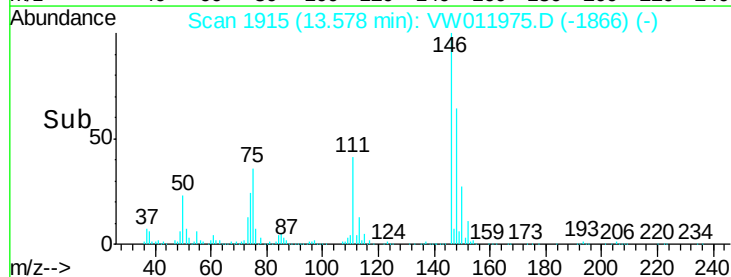
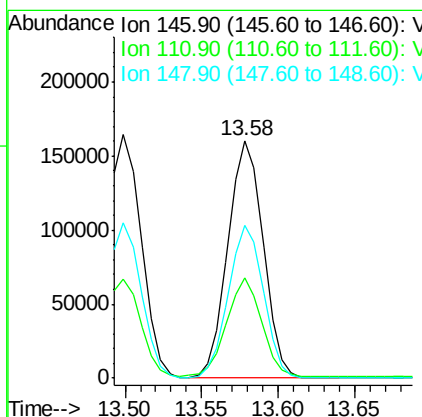
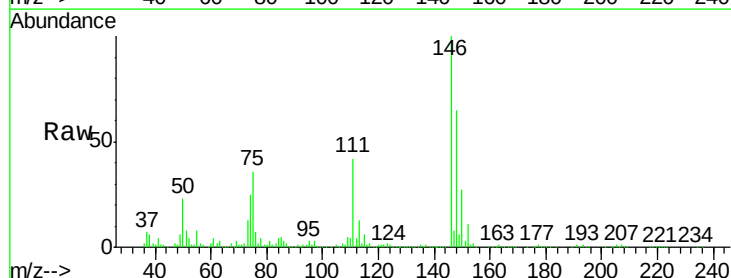
RT: 13.58 min Scan# 1915

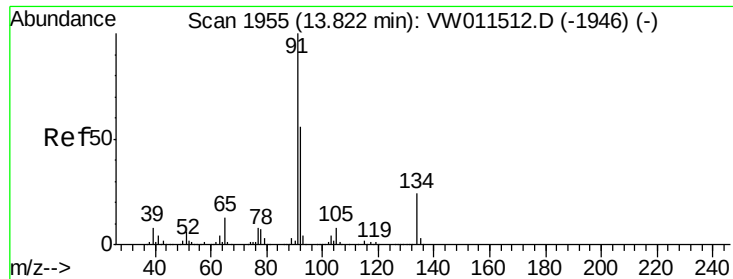
Delta R.T. -0.00 min

Lab File: VW011975.D

Acq: 16 Aug 2019 19:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.1	60.2
148	63.6	31.9	95.9





#89

n-Butylbenzene

Concen: 54.592 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW011975.D

Acq: 16 Aug 2019 19:34

Instrument :

MSVOA_W

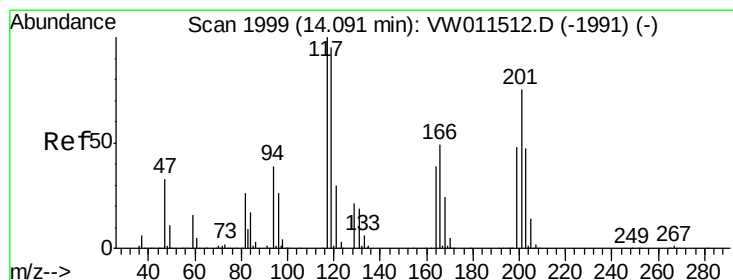
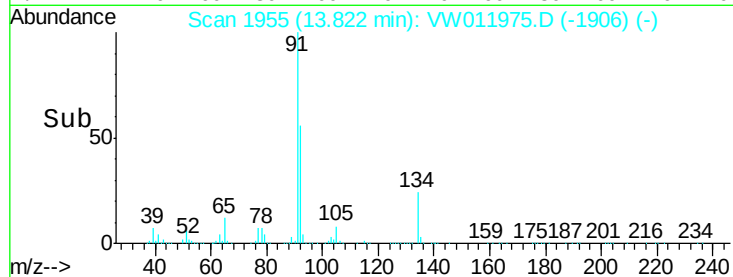
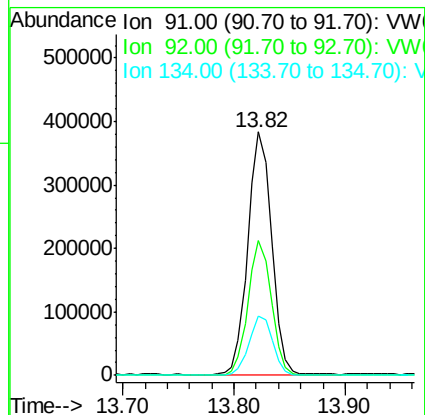
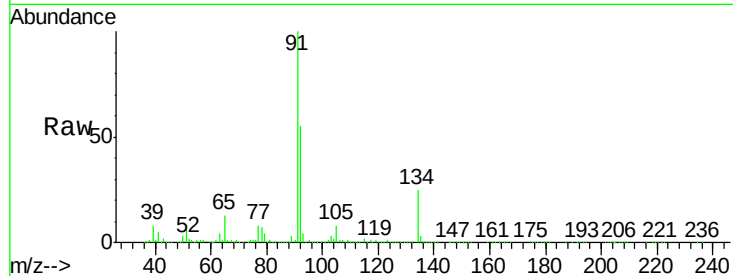
ClientSampleId :

VSTDCCC050EC

Tot Ion:	91	Resp:	565881
Ion	Ratio	Lower	Upper
91	100		
92	54.7	27.5	82.4
134	24.6	12.2	36.6

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#90

Hexachloroethane

Concen: 54.238 ug/l

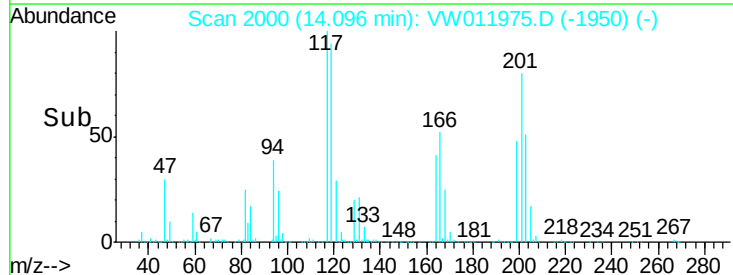
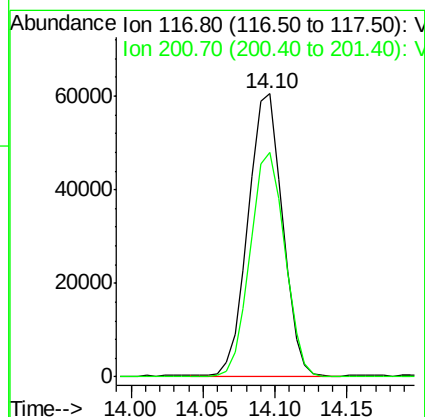
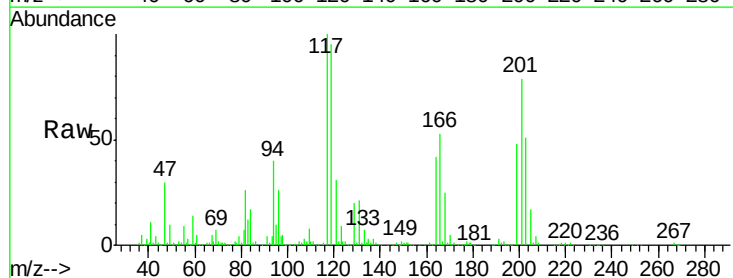
RT: 14.10 min Scan# 2000

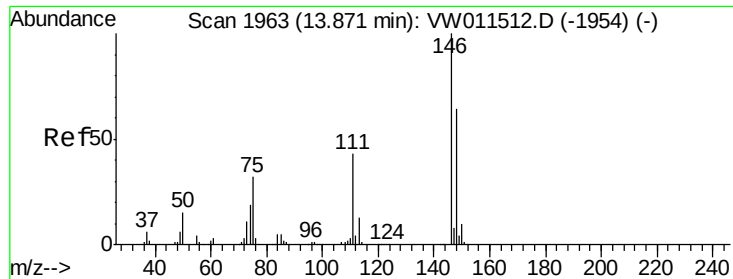
Delta R.T. 0.01 min

Lab File: VW011975.D

Acq: 16 Aug 2019 19:34

Tgt Ion:	117	Resp:	99620
Ion	Ratio	Lower	Upper
117	100		
201	80.4	39.4	118.2





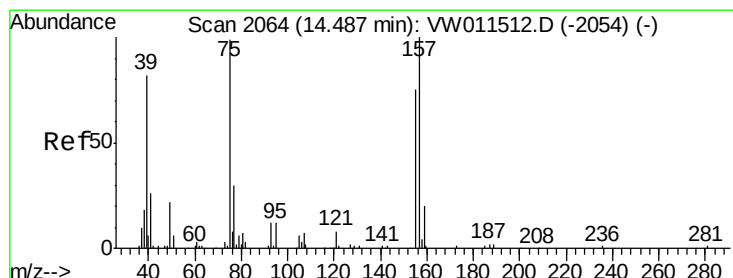
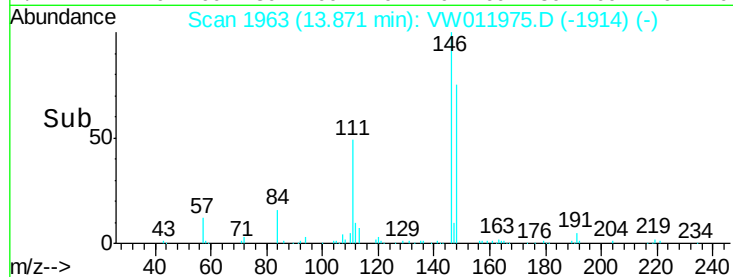
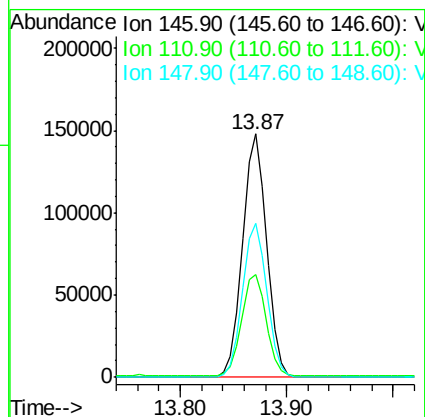
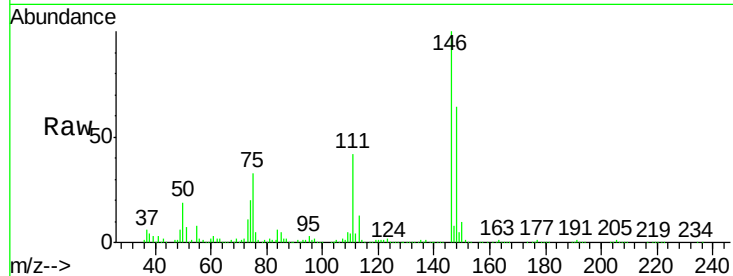
#91
 1,2-Dichlorobenzene
 Concen: 53.680 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011975.D
 Acq: 16 Aug 2019 19:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	146	Resp:	235509
Ion Ratio	Lower	Upper	
146	100		
111	42.7	21.6	65.0
148	63.9	32.0	96.2

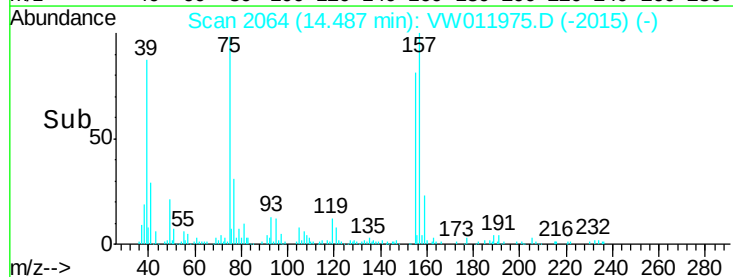
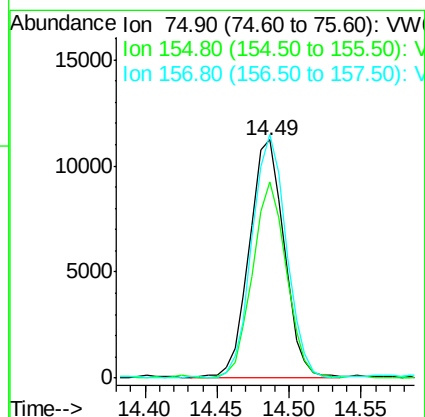
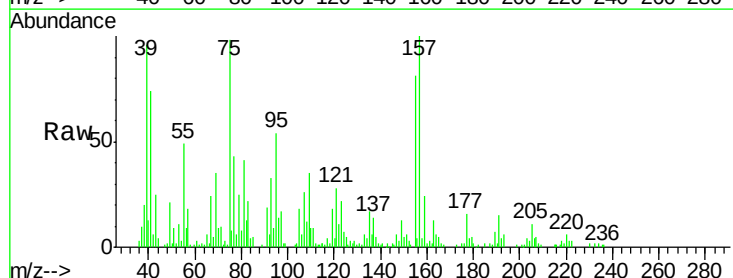
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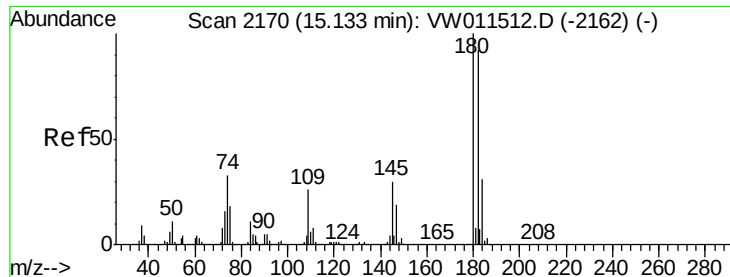
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.628 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011975.D
 Acq: 16 Aug 2019 19:34

Tgt Ion:	75	Resp:	18954
Ion Ratio	Lower	Upper	
75	100		
155	79.4	38.2	114.6
157	99.7	48.9	146.7





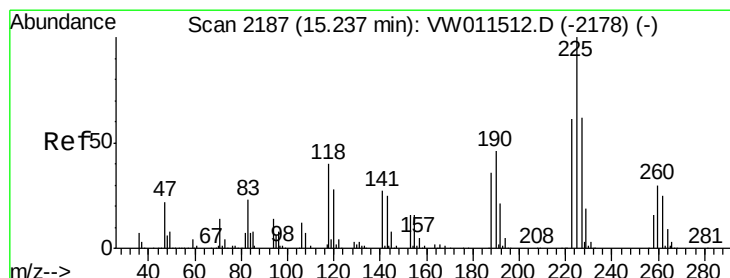
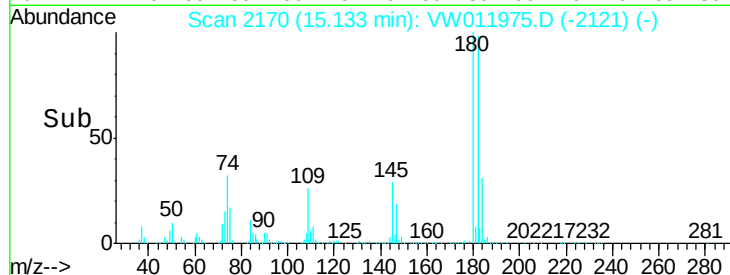
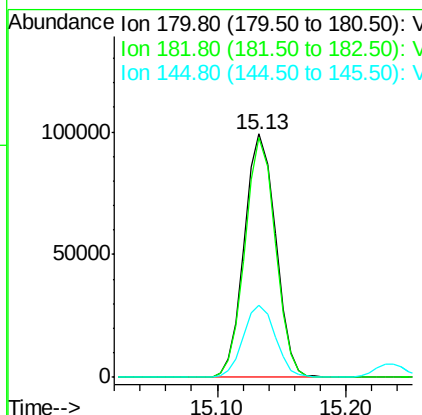
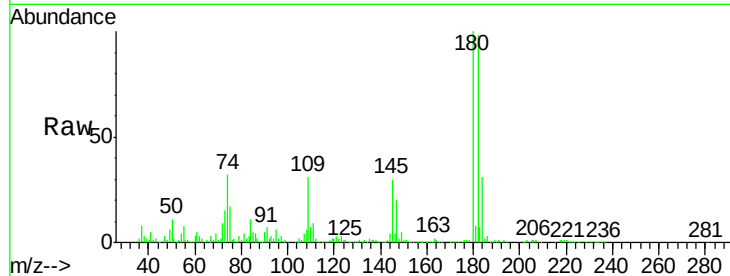
#93
 1,2,4-Trichlorobenzene
 Concen: 53.868 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW011975.D
 Acq: 16 Aug 2019 19:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	166559		
182	95.6	47.4	142.2	
145	30.1	15.4	46.1	

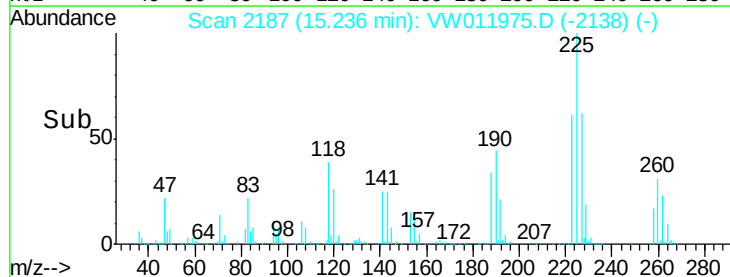
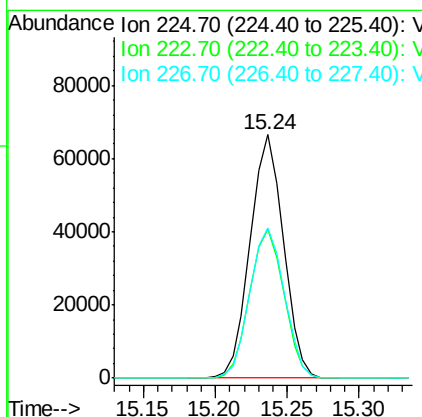
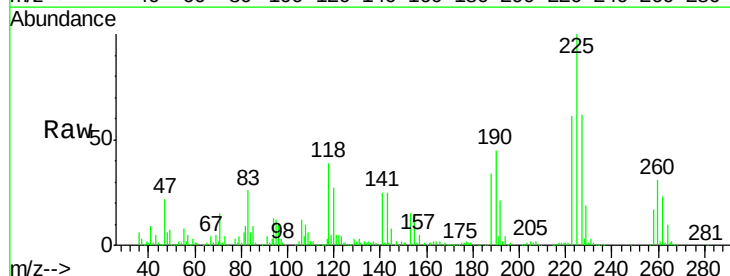
Manual Integrations
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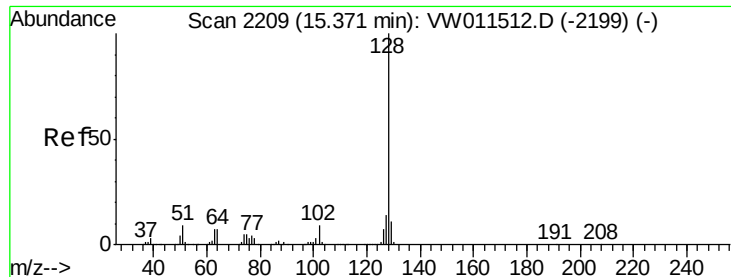
MMDadoda
 8/19/2019 10:55:25 AM



#94
 Hexachlorobutadiene
 Concen: 55.263 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW011975.D
 Acq: 16 Aug 2019 19:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	106561		
223	62.8	30.8	92.3	
227	63.8	31.6	94.7	





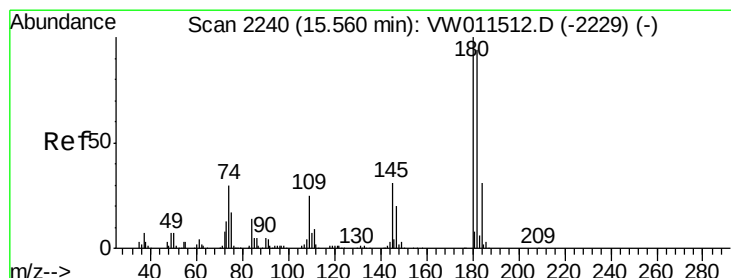
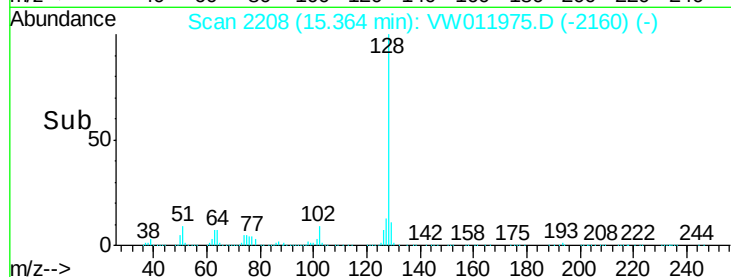
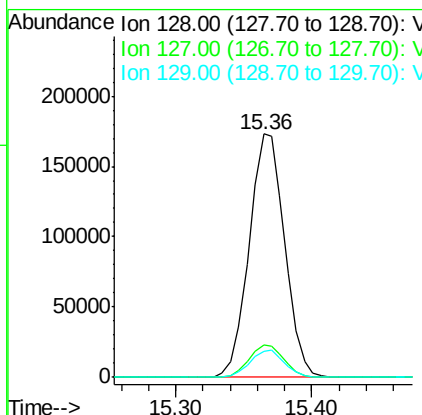
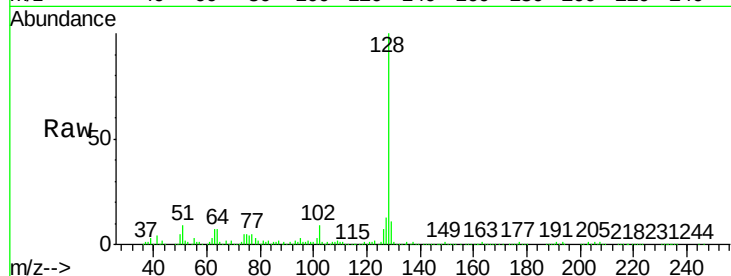
#95
Naphthalene
Concen: 51.927 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW011975.D
Acq: 16 Aug 2019 19:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	315015		
127	13.3	10.6	16.0	
129	11.1	8.6	13.0	

Manual Integrations
APPROVED

MMDadoda
8/19/2019 10:55:25 AM



#96
1,2,3-Trichlorobenzene
Concen: 54.179 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW011975.D
Acq: 16 Aug 2019 19:34

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	146843		
182	94.1	47.4	142.2	
145	31.4	15.9	47.7	

