

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081919\
 Data File : VW012016.D
 Acq On : 20 Aug 2019 02:56
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.05G/5ML/MSVOA W/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/20/2019 9:55:23 AM

Quant Time: Aug 20 07:00:34 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	246498	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	412226	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	358805	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	165145	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	156082	55.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.28%	
35) Dibromofluoromethane	7.88	113	129345	55.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.86%	
50) Toluene-d8	10.32	98	527796	55.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.48%	
62) 4-Bromofluorobenzene	12.62	95	184818	54.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	62315	45.361	ug/l	93
3) Chloromethane	2.21	50	110449	46.365	ug/l	100
4) Vinyl Chloride	2.36	62	140786	49.090	ug/l	98
5) Bromomethane	2.76	94	67327	42.412	ug/l	96
6) Chloroethane	2.91	64	81907	49.998	ug/l	99
7) Trichlorofluoromethane	3.25	101	65151	50.831	ug/l	99
8) Diethyl Ether	3.68	74	77819	53.549	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	125103	51.453	ug/l	99
10) Methyl Iodide	4.27	142	180256	52.461	ug/l	99
11) Tert butyl alcohol	5.19	59	49754	237.276	ug/l	100
12) 1,1-Dichloroethene	4.04	96	132200	51.496	ug/l	97
13) Acrolein	3.89	56	37697	185.612	ug/l	99
14) Allyl chloride	4.67	41	281002	51.464	ug/l	99
15) Acrylonitrile	5.37	53	201122	277.243	ug/l	98
16) Acetone	4.13	43	165562	183.882	ug/l	98
17) Carbon Disulfide	4.39	76	372692	46.384	ug/l	100
18) Methyl Acetate	4.67	43	113438	56.083	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	228550	56.102	ug/l	97
20) Methylene Chloride	4.92	84	150470	48.457	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	145688	52.639	ug/l	94
22) Diisopropyl ether	6.31	45	556150	54.025	ug/l	99
23) Vinyl Acetate	6.25	43	1722464	266.285	ug/l	100
24) 1,1-Dichloroethane	6.21	63	296476	53.775	ug/l	99
25) 2-Butanone	7.17	43	281045	238.545	ug/l	98
26) 2,2-Dichloropropane	7.17	77	144204	42.530	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	163123	53.552	ug/l	97
28) Bromochloromethane	7.51	49	144000	58.844	ug/l	99
29) Tetrahydrofuran	7.53	42	183882	273.046	ug/l	99
30) Chloroform	7.67	83	268891	52.865	ug/l	97
31) Cyclohexane	7.95	56	256533	48.473	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	207928	53.678	ug/l	99
36) 1,1-Dichloropropene	8.08	75	218262	50.920	ug/l	99
37) Ethyl Acetate	7.25	43	126239	51.190	ug/l	98
38) Carbon Tetrachloride	8.07	117	185655	50.595	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	244351	51.771	ug/l	99
40) Benzene	8.32	78	619480	51.596	ug/l	100
41) Methacrylonitrile	7.48	41	74375	50.453	ug/l	96
42) 1,2-Dichloroethane	8.40	62	191332	50.899	ug/l	99
43) Isopropyl Acetate	8.42	43	243884	53.774	ug/l	99
44) Trichloroethene	9.09	130	151023	52.335	ug/l	100
45) 1,2-Dichloropropane	9.37	63	169702	52.825	ug/l	99
46) Dibromomethane	9.46	93	75444	51.453	ug/l	98
47) Bromodichloromethane	9.65	83	202623	52.682	ug/l	100
48) Methyl methacrylate	9.44	41	118315	54.308	ug/l	99
49) 1,4-Dioxane	9.46	88	22905	1078.875	ug/l #	78
51) 4-Methyl-2-Pentanone	10.21	43	629887	267.010	ug/l	99
52) Toluene	10.39	92	377635	52.083	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	205885	51.244	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	245666	51.426	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	109112	52.448	ug/l	98
56) Ethyl methacrylate	10.65	69	168556	55.368	ug/l	99
57) 1,3-Dichloropropane	10.93	76	206628	52.498	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	436697	315.937	ug/l	99
59) 2-Hexanone	10.97	43	424513	254.866	ug/l	98
60) Dibromochloromethane	11.13	129	121719	52.709	ug/l	99
61) 1,2-Dibromoethane	11.24	107	103054	52.345	ug/l	99
64) Tetrachloroethene	10.86	164	129022	55.227	ug/l	100
65) Chlorobenzene	11.66	112	381017	52.819	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	135447	53.905	ug/l	100
67) Ethyl Benzene	11.73	91	730500	53.171	ug/l	100
68) m/p-Xylenes	11.84	106	526062	105.289	ug/l	100
69) o-Xylene	12.16	106	250399	53.931	ug/l	99
70) Styrene	12.18	104	434468	54.122	ug/l	99
71) Bromoform	12.35	173	69261	54.062	ug/l	97
73) Isopropylbenzene	12.46	105	690027	56.008	ug/l	100
74) N-amyl acetate	12.27	43	224896	58.306	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	131502	56.745	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	89147m	51.016	ug/l	
77) Bromobenzene	12.75	156	152588	56.034	ug/l	99
78) n-propylbenzene	12.80	91	829926	55.351	ug/l	100
79) 2-Chlorotoluene	12.89	91	476349	55.146	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	577498	55.919	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	41193	54.329	ug/l	98
82) 4-Chlorotoluene	12.99	91	484090	53.414	ug/l	99
83) tert-Butylbenzene	13.21	119	495019	57.319	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	575542	55.323	ug/l	100
85) sec-Butylbenzene	13.38	105	693371	56.267	ug/l	100
86) p-Isopropyltoluene	13.50	119	616092	55.103	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	288596	54.049	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	282118	53.114	ug/l	100
89) n-Butylbenzene	13.82	91	598913	53.677	ug/l	100
90) Hexachloroethane	14.09	117	111950	56.624	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	258317	54.699	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	22365	56.594	ug/l	98

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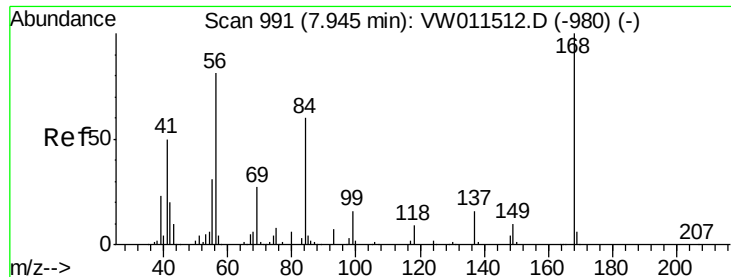
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	181785	54.618	ug/l	99
94) Hexachlorobutadiene	15.24	225	113019	54.452	ug/l	99
95) Naphthalene	15.36	128	360811	55.122	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	164035	56.226	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: VW012016.D

Acq: 20 Aug 2019 02:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 246498

Ion Ratio Lower Upper

168 100

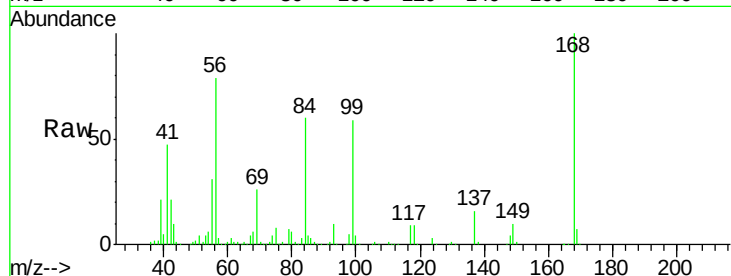
99 58.5 48.2 72.4

Manual Integrations

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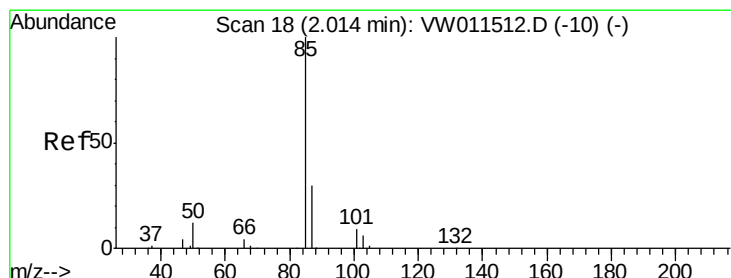
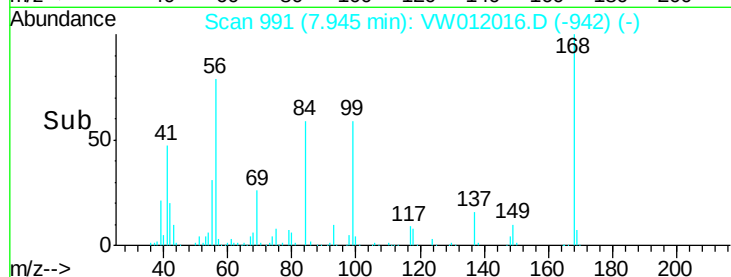
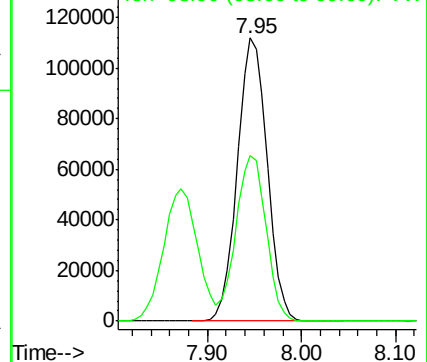
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 45.361 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW012016.D

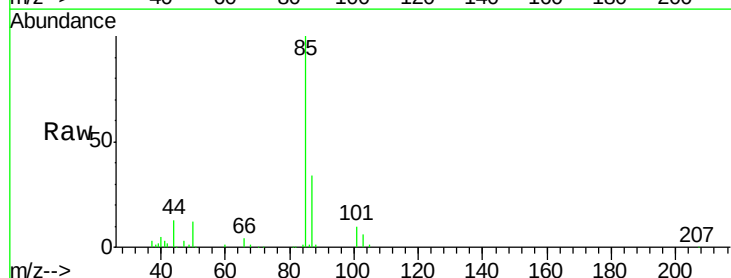
Acq: 20 Aug 2019 02:56

Tgt Ion: 85 Resp: 62315

Ion Ratio Lower Upper

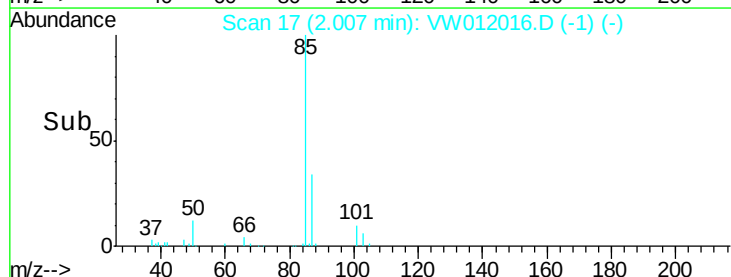
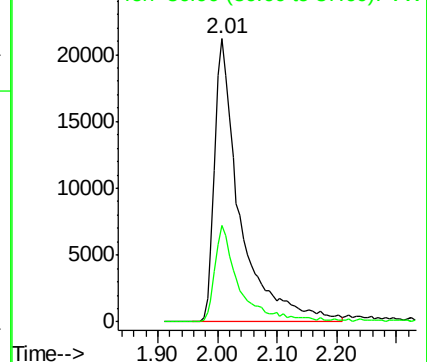
85 100

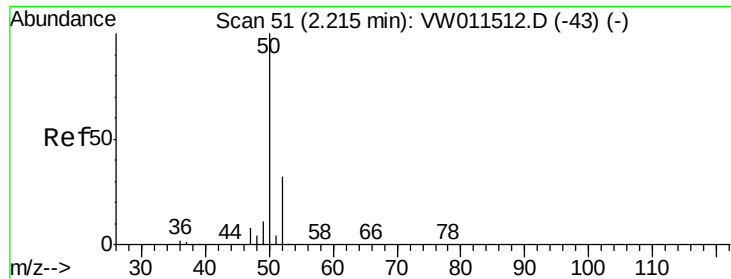
87 34.0 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 46.365 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW012016.D

Acq: 20 Aug 2019 02:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 110449

Ion Ratio Lower Upper

50 100

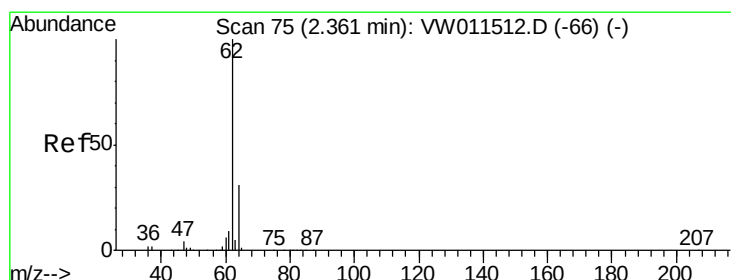
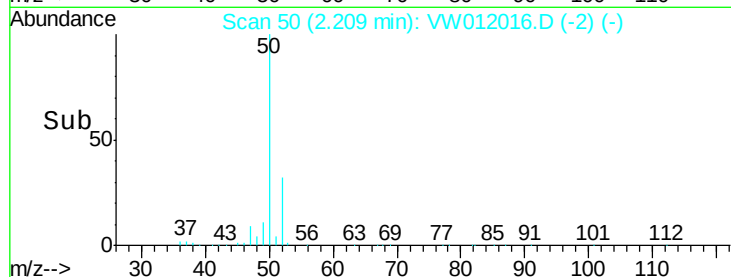
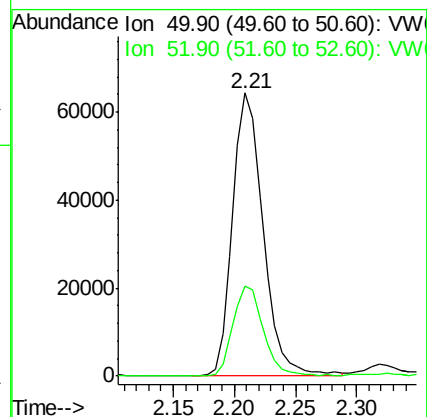
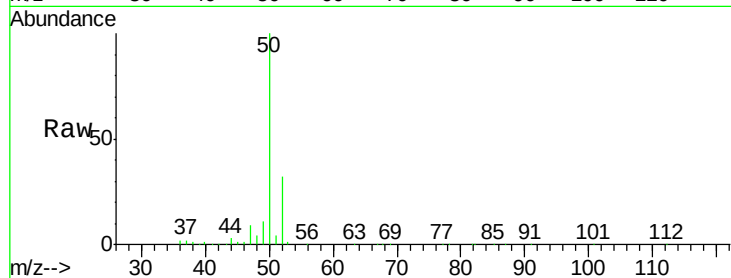
52 31.6 25.4 38.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.090 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012016.D

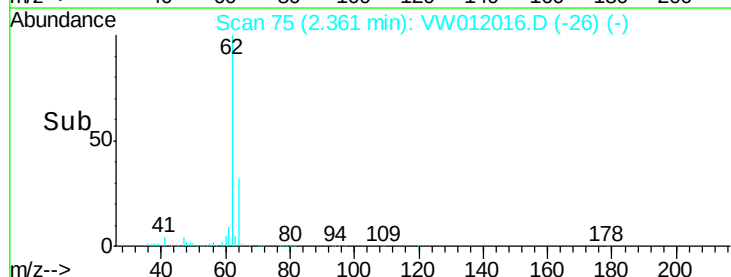
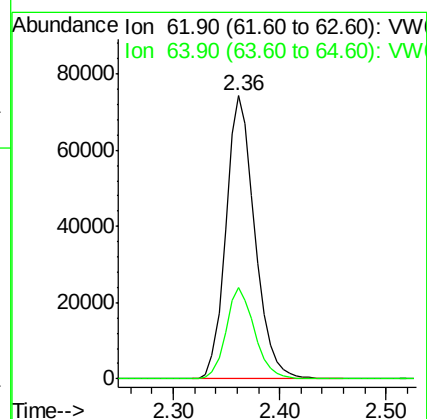
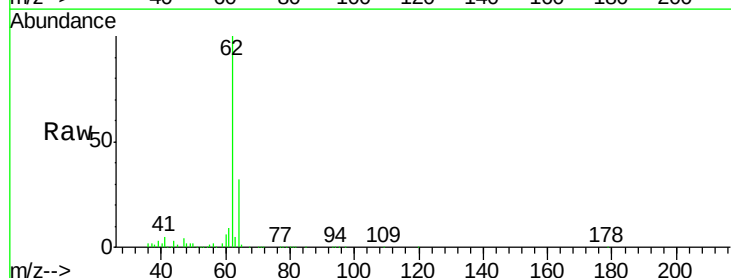
Acq: 20 Aug 2019 02:56

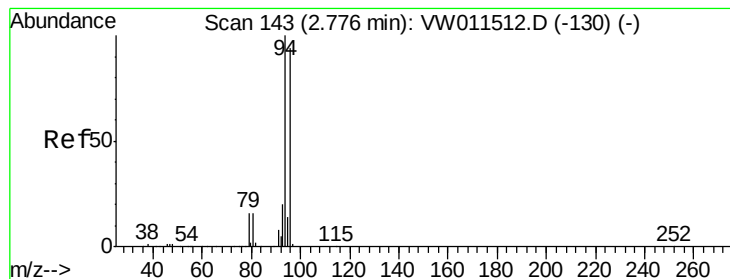
Tgt Ion: 62 Resp: 140786

Ion Ratio Lower Upper

62 100

64 32.1 25.0 37.4





#5

Bromomethane

Concen: 42.412 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW012016.D

Acq: 20 Aug 2019 02:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 67327

Ion Ratio Lower Upper

94 100

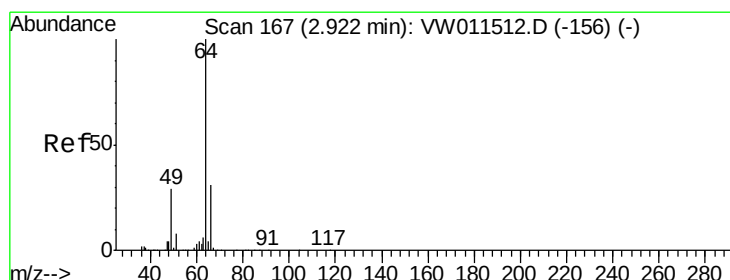
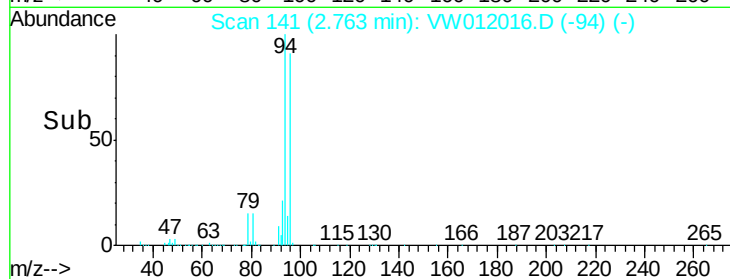
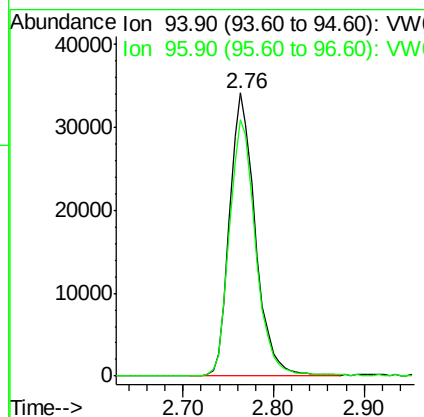
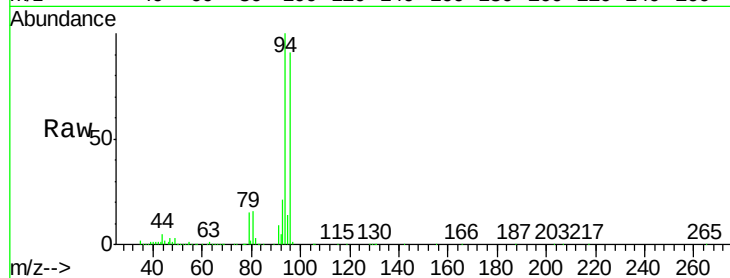
96 90.3 75.0 112.6

Manual Integrations

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#6

Chloroethane

Concen: 49.998 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW012016.D

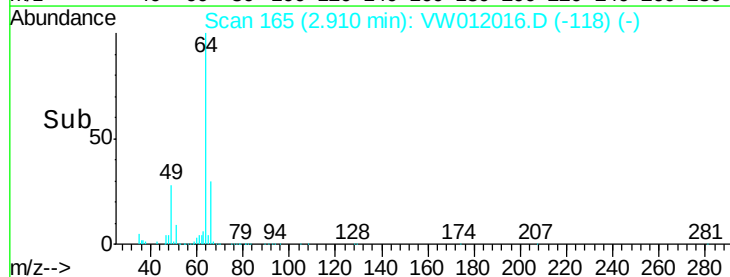
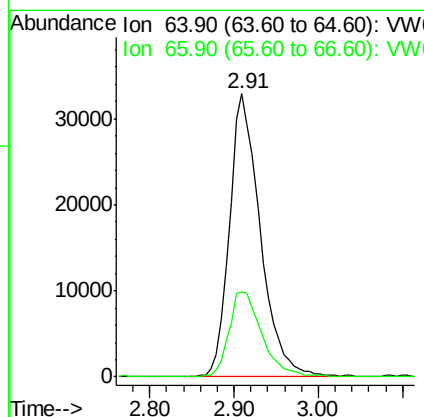
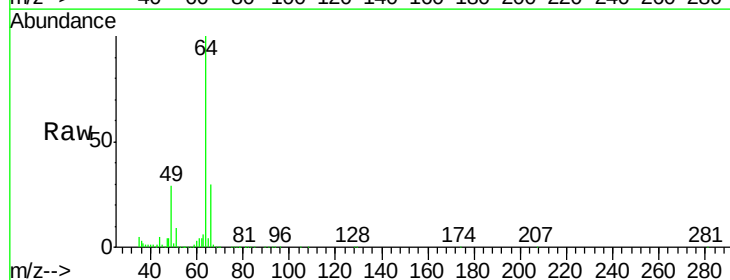
Acq: 20 Aug 2019 02:56

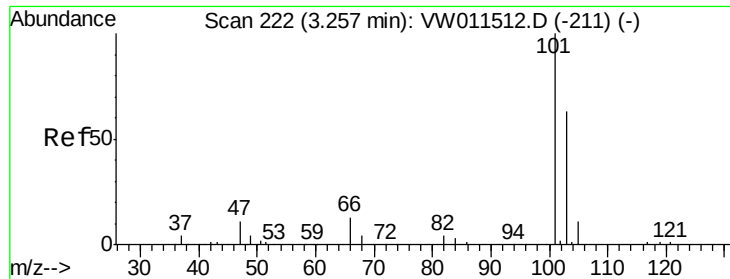
Tgt Ion: 64 Resp: 81907

Ion Ratio Lower Upper

64 100

66 30.0 24.6 36.8





#7

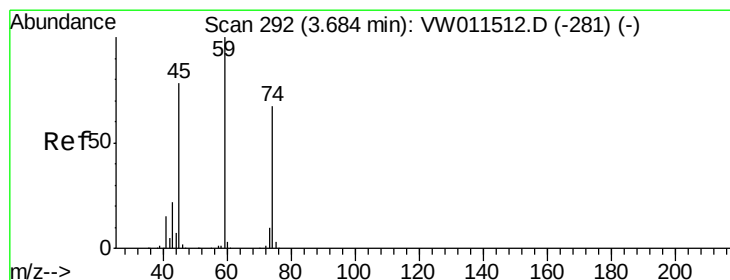
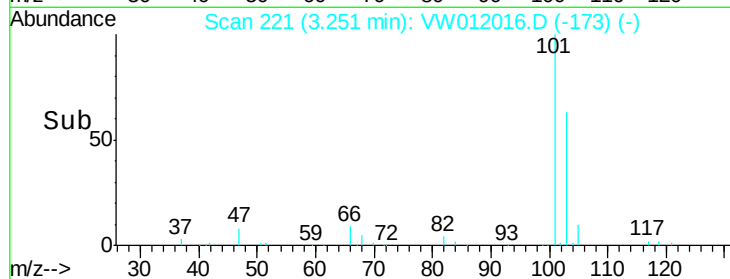
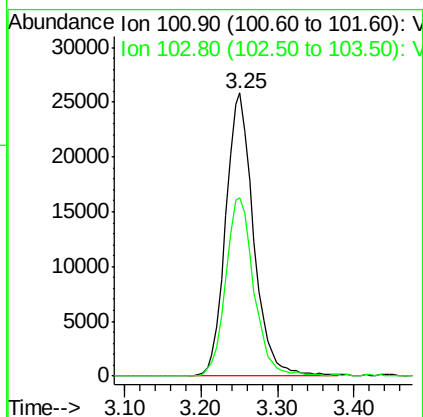
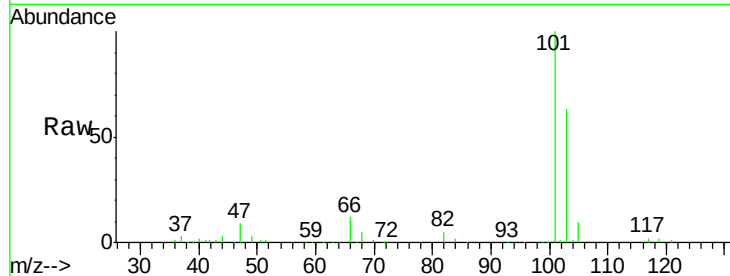
Trichlorofluoromethane
 Concen: 50.831 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW012016.D
 Acq: 20 Aug 2019 02:56

Instrument :
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 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.2	50.2	75.4

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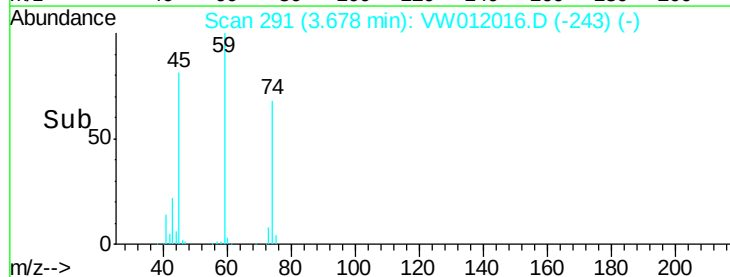
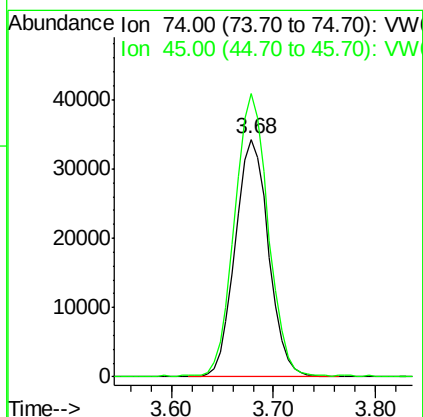
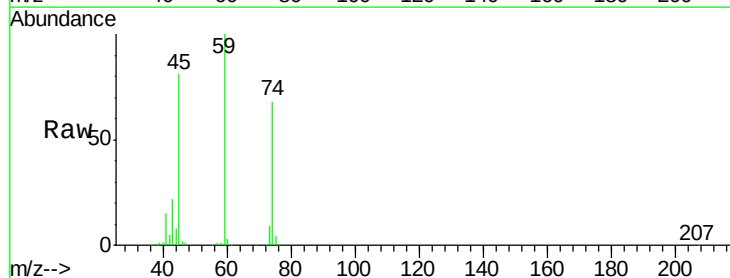
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 8/20/2019 9:55:23 AM

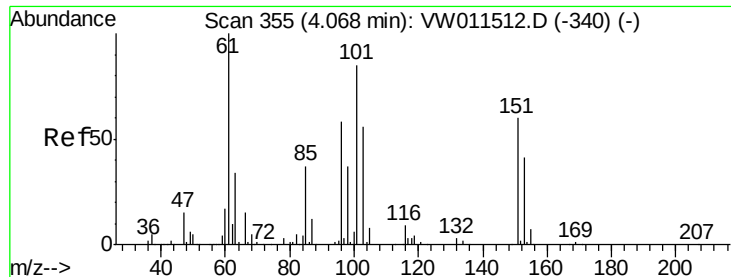


#8

Diethyl Ether
 Concen: 53.549 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW012016.D
 Acq: 20 Aug 2019 02:56

Tgt Ion	Ratio	Lower	Upper
74	100		
45	118.7	59.6	178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.453 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW012016.D

Acq: 20 Aug 2019 02:56

Instrument :

MSVOA_W

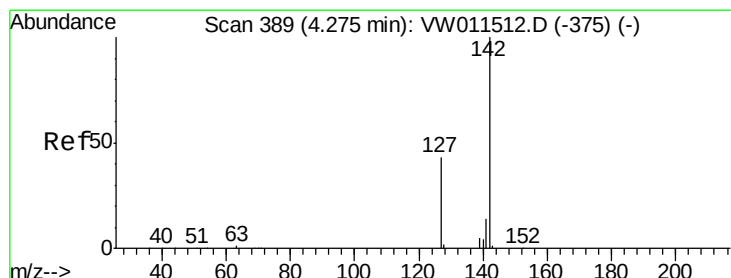
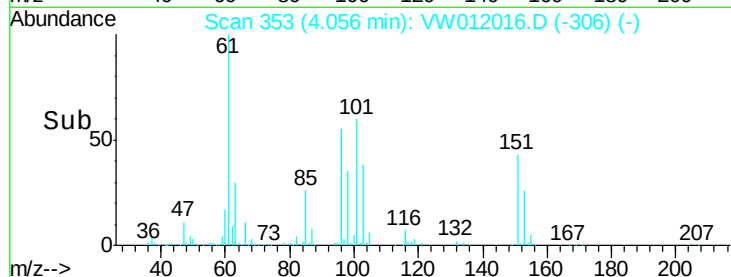
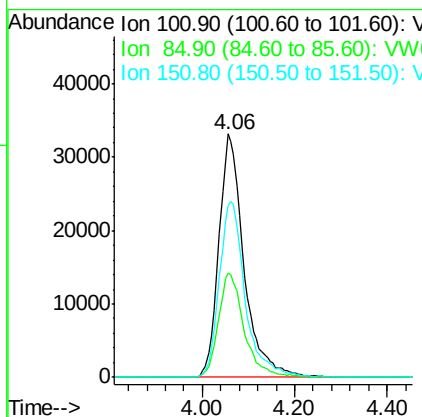
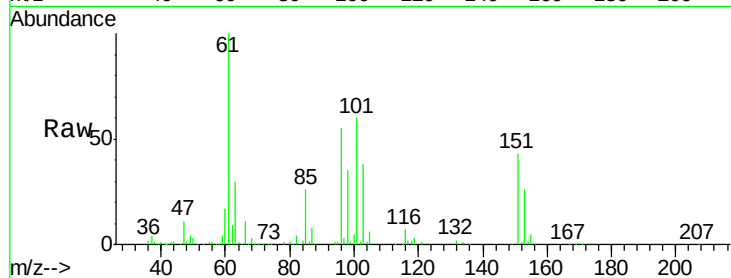
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	125103
Ion Ratio	Lower	Upper	
101	100		
85	44.2	36.6	54.8
151	74.8	60.2	90.2

Manual Integrations
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#10

Methyl Iodide

Concen: 52.461 ug/l

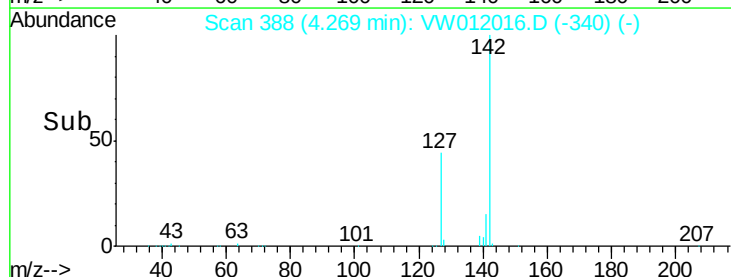
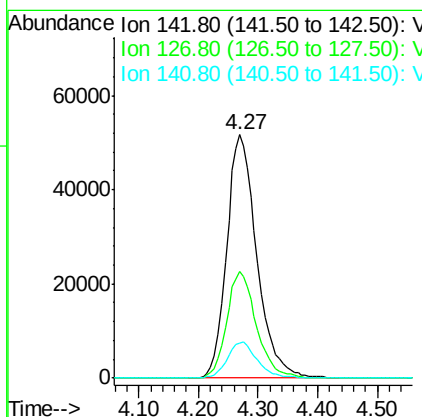
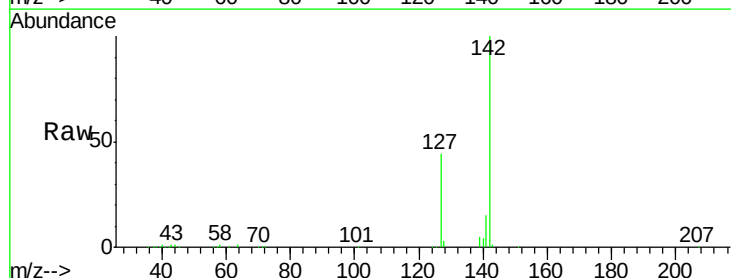
RT: 4.27 min Scan# 388

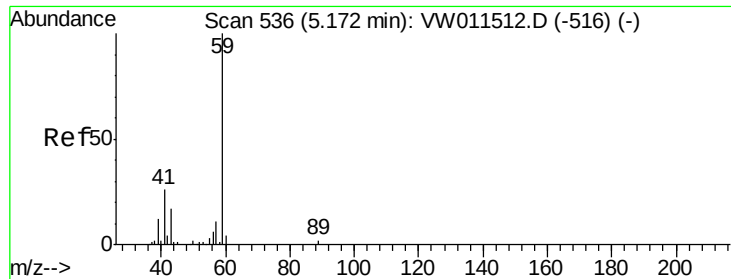
Delta R.T. -0.01 min

Lab File: VW012016.D

Acq: 20 Aug 2019 02:56

Tgt Ion:	142	Resp:	180256
Ion Ratio	Lower	Upper	
142	100		
127	43.4	35.0	52.6
141	14.8	11.9	17.9





#11

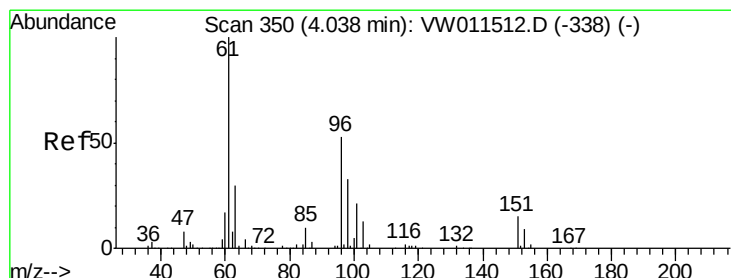
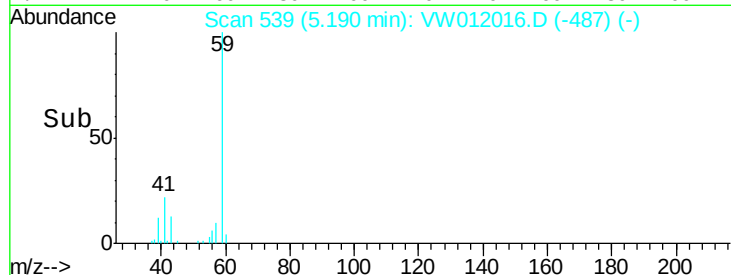
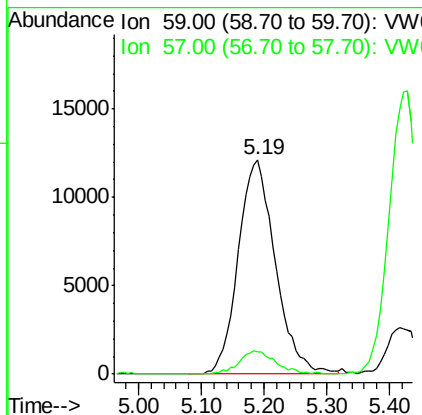
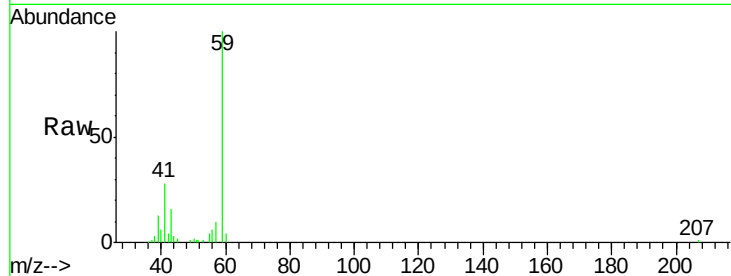
Tert butyl alcohol
Concen: 237.276 ug/l
RT: 5.19 min Scan# 539
Delta R.T. 0.02 min
Lab File: VW012016.D
Acq: 20 Aug 2019 02:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.5	12.7

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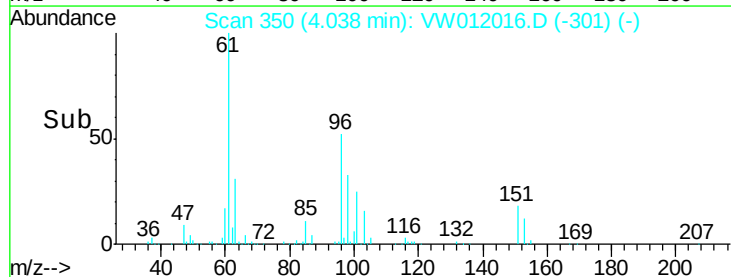
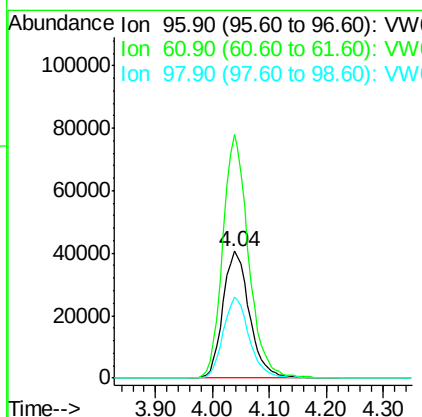
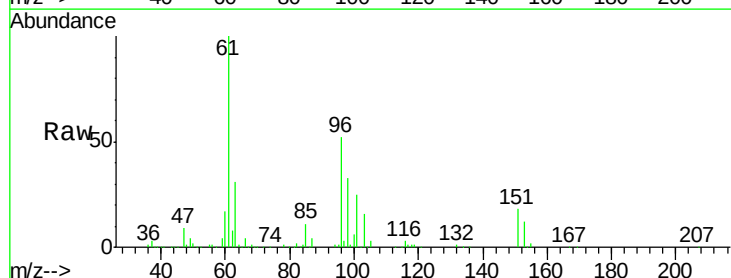
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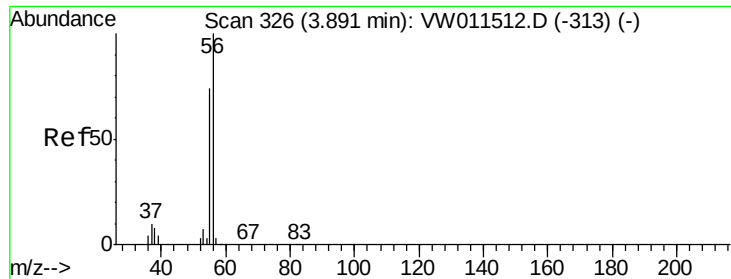


#12

1,1-Dichloroethene
Concen: 51.496 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.00 min
Lab File: VW012016.D
Acq: 20 Aug 2019 02:56

Tgt Ion	Ratio	Lower	Upper
96	100		
61	191.9	149.9	224.9
98	63.8	49.1	73.7





#13

Acrolein

Concen: 185.612 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW012016.D

Acq: 20 Aug 2019 02:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 37697

Ion Ratio Lower Upper

56 100

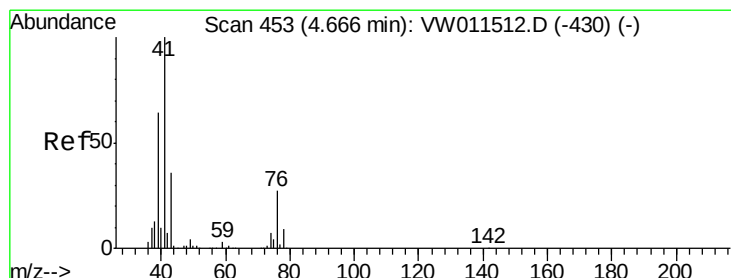
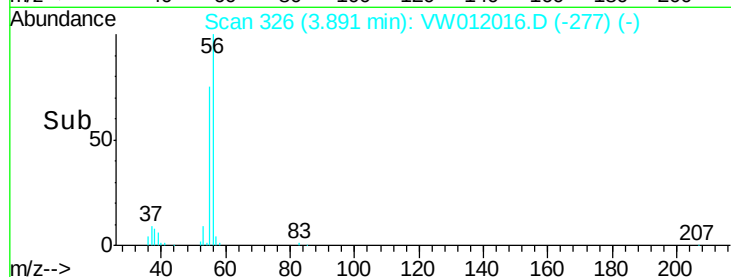
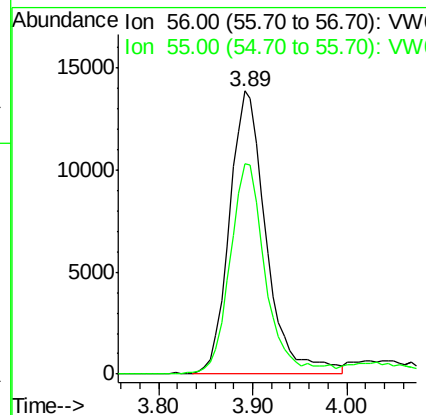
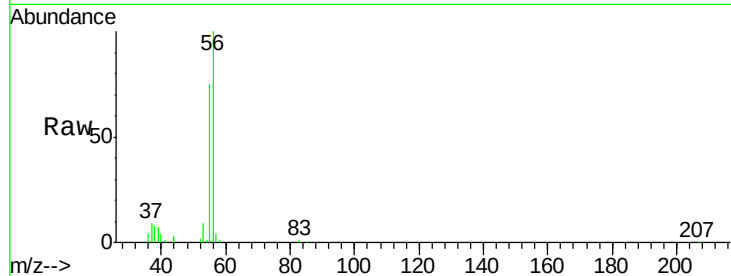
55 71.2 56.0 84.0

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#14

Allyl chloride

Concen: 51.464 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012016.D

Acq: 20 Aug 2019 02:56

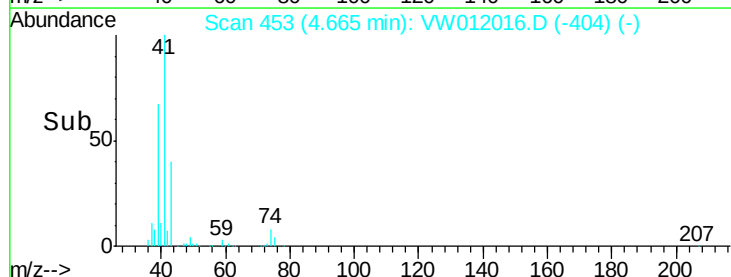
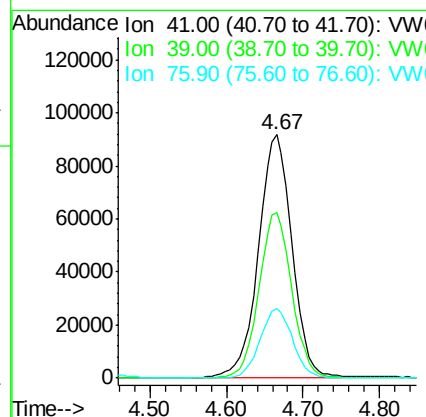
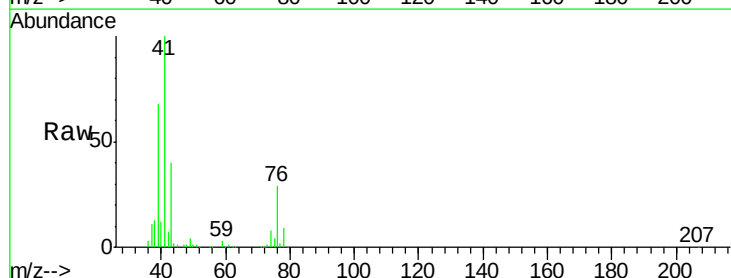
Tgt Ion: 41 Resp: 281002

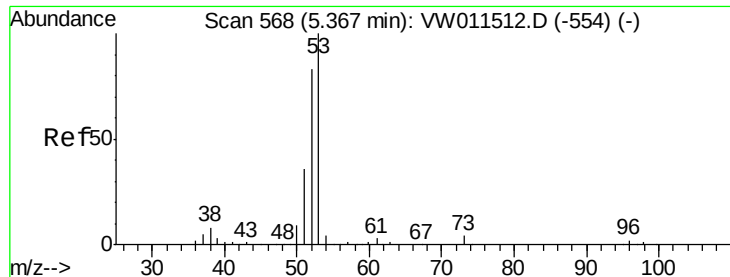
Ion Ratio Lower Upper

41 100

39 66.5 52.6 78.8

76 27.7 22.0 33.0





#15

Acrylonitrile

Concen: 277.243 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW012016.D

Acq: 20 Aug 2019 02:56

Instrument :

MSVOA_W

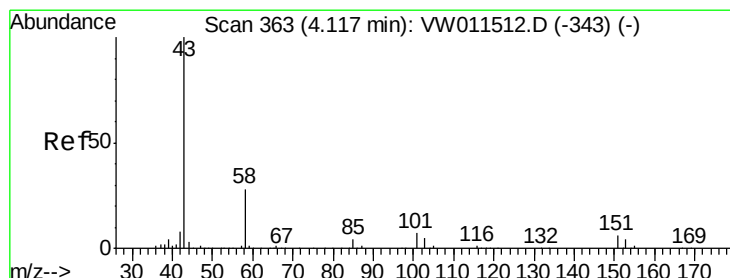
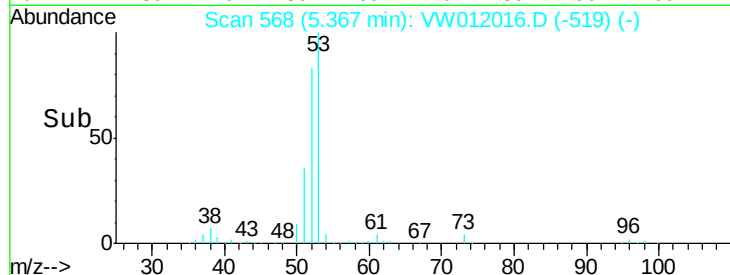
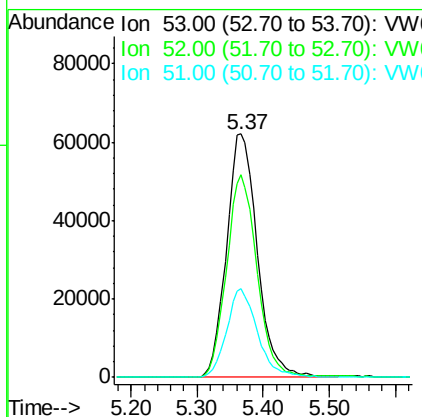
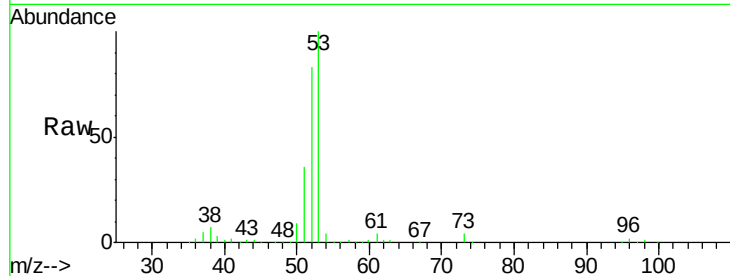
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	201122
Ion Ratio	Lower	Upper	
53	100		
52	81.7	67.2	100.8
51	36.3	30.0	45.0

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#16

Acetone

Concen: 183.882 ug/l

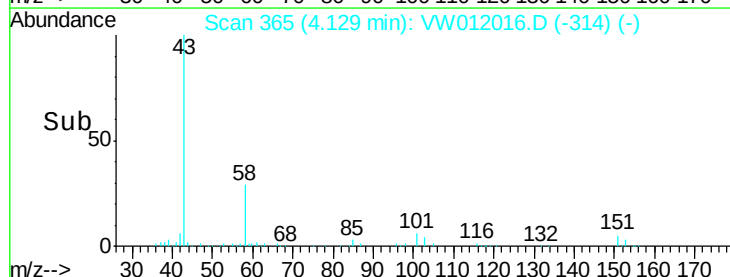
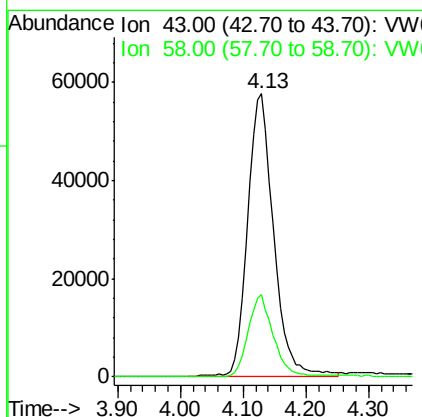
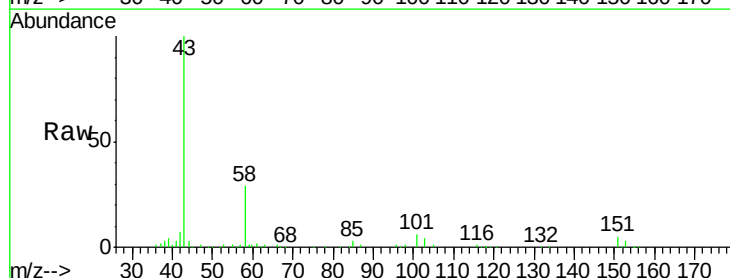
RT: 4.13 min Scan# 365

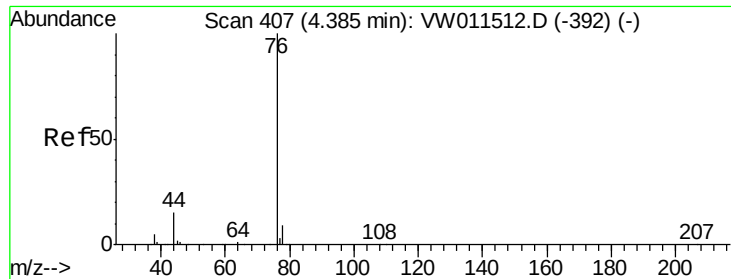
Delta R.T. 0.01 min

Lab File: VW012016.D

Acq: 20 Aug 2019 02:56

Tgt Ion:	43	Resp:	165562
Ion Ratio	Lower	Upper	
43	100		
58	29.1	22.3	33.5





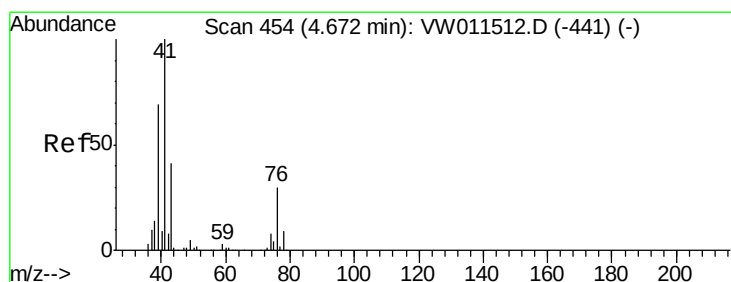
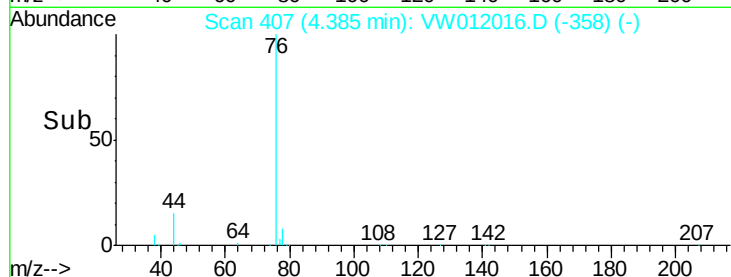
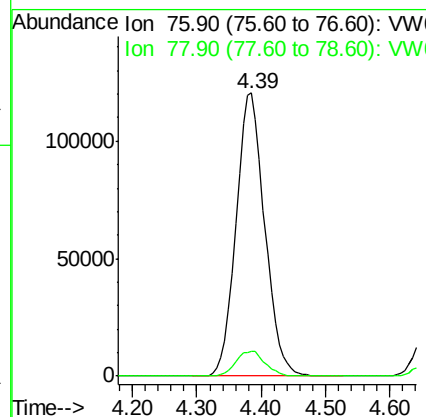
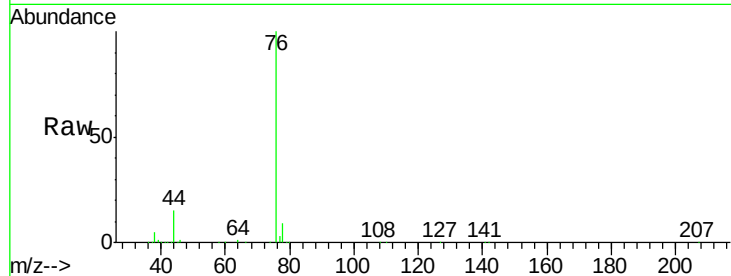
#17
Carbon Disulfide
Concen: 46.384 ug/l
RT: 4.39 min Scan# 407
Delta R.T. -0.00 min
Lab File: VW012016.D
Acq: 20 Aug 2019 02:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.1	10.7

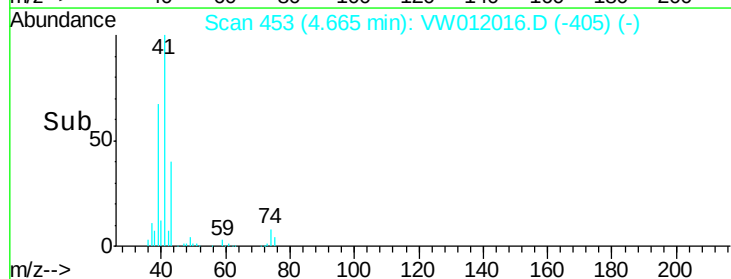
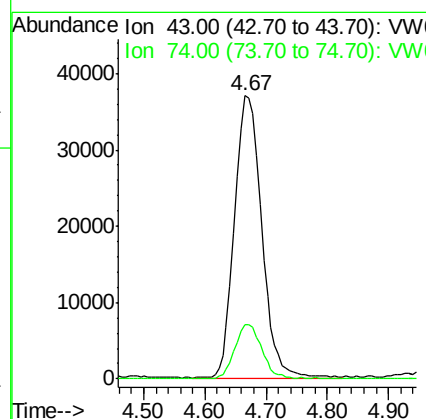
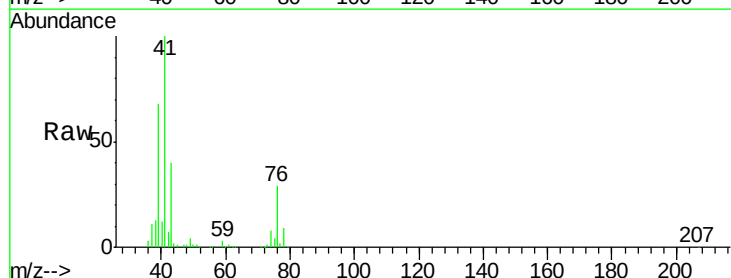
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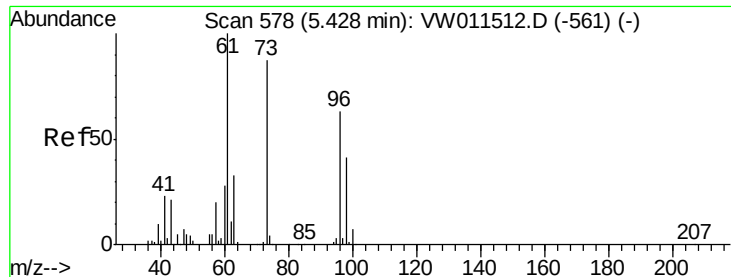
MMDadoda
8/20/2019 9:55:23 AM



#18
Methyl Acetate
Concen: 56.083 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW012016.D
Acq: 20 Aug 2019 02:56

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.2	15.9	23.9





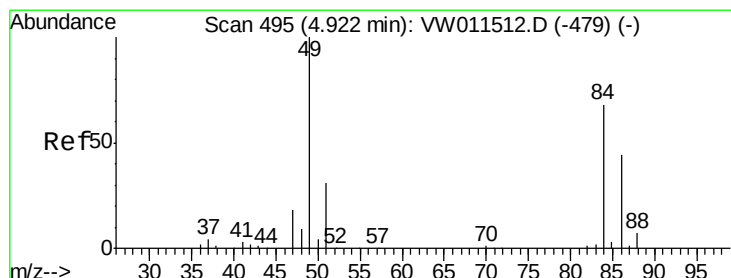
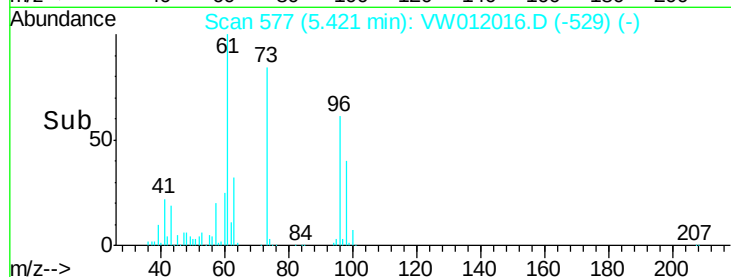
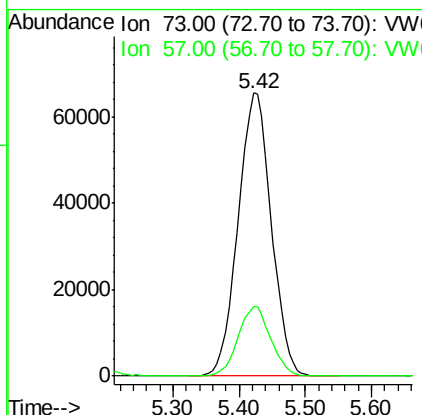
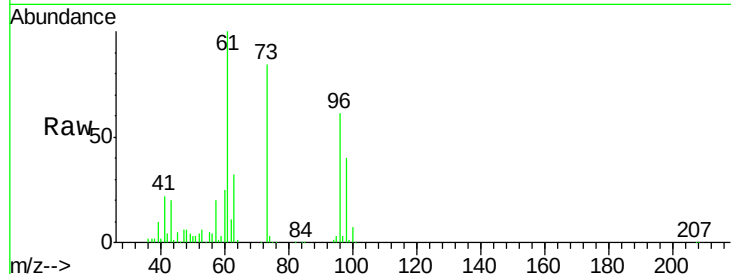
#19
Methyl tert-butyl Ether
Concen: 56.102 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012016.D
Acq: 20 Aug 2019 02:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.4	18.4	27.6

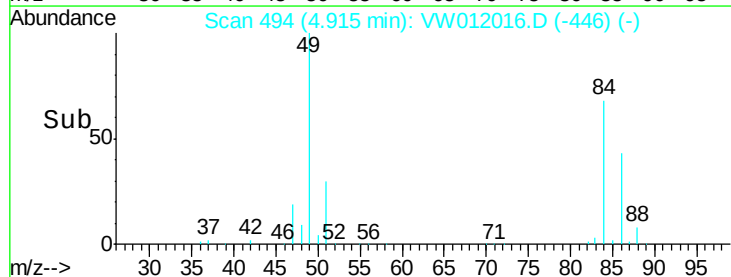
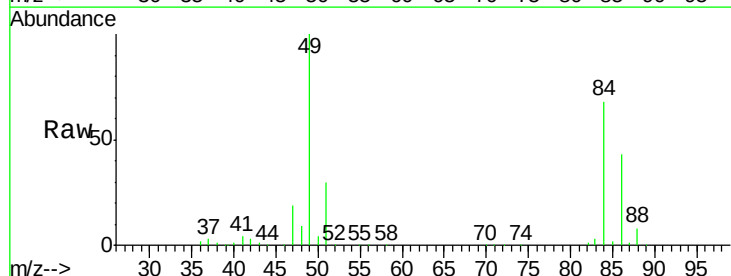
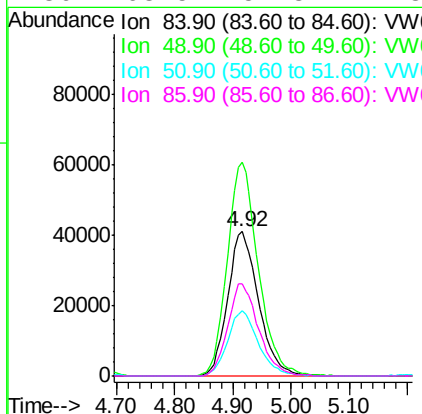
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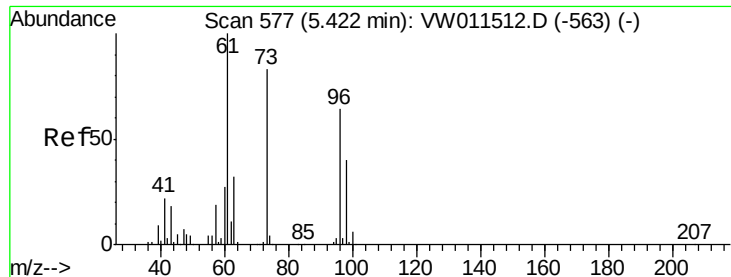
MMDadoda
8/20/2019 9:55:23 AM



#20
Methylene Chloride
Concen: 48.457 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012016.D
Acq: 20 Aug 2019 02:56

Tgt Ion	Ratio	Lower	Upper
84	100		
49	147.7	117.8	176.6
51	45.0	37.0	55.4
86	63.5	51.8	77.8





#21

trans-1,2-Dichloroethene

Concen: 52.639 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW012016.D

Acq: 20 Aug 2019 02:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 145688

Ion Ratio Lower Upper

96 100

61 165.0 125.7 188.5

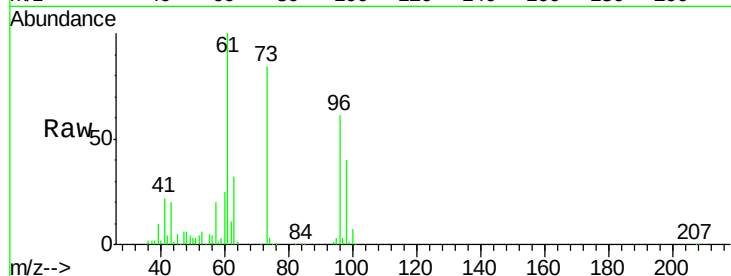
98 66.2 50.3 75.5

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8/20/2019 9:55:23 AM

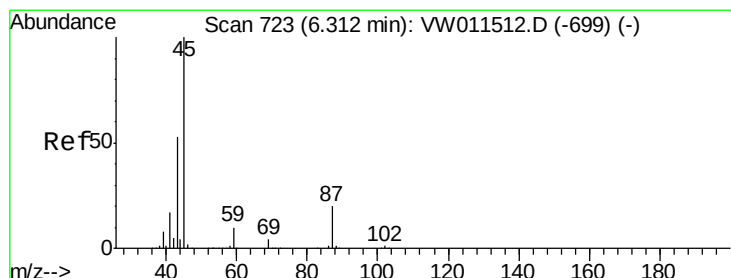
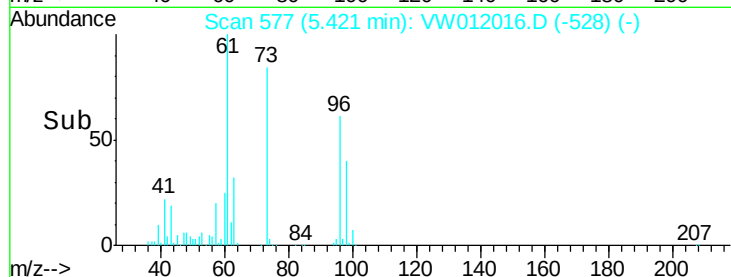
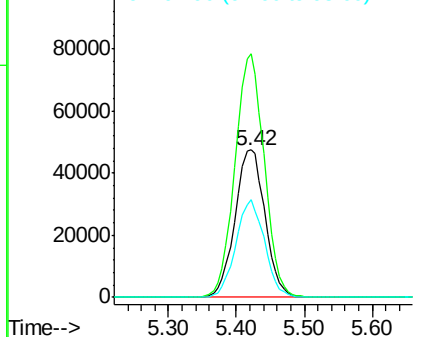


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 54.025 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW012016.D

Acq: 20 Aug 2019 02:56

Tgt Ion: 45 Resp: 556150

Ion Ratio Lower Upper

45 100

43 52.6 42.6 63.8

87 21.0 16.4 24.6

59 10.6 8.2 12.2

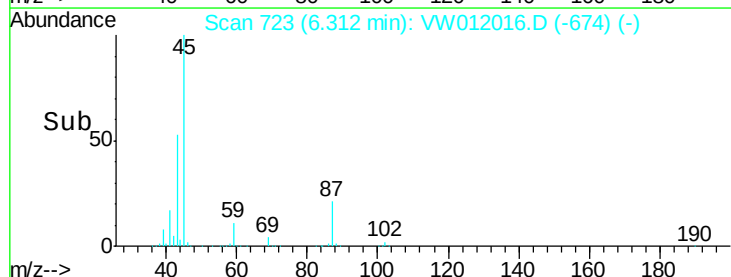
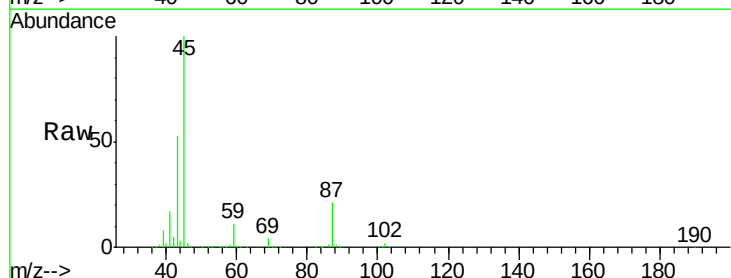
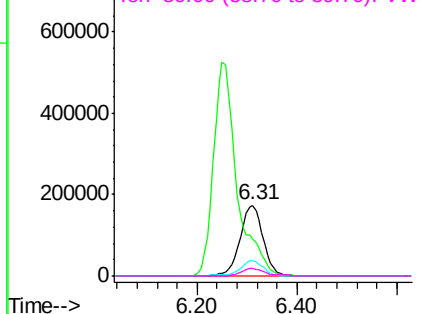
Abundance

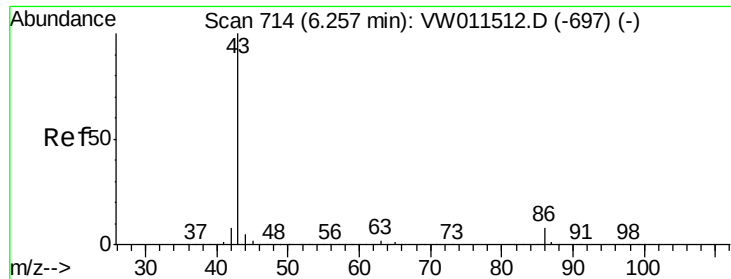
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 266.285 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW012016.D

Acq: 20 Aug 2019 02:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1722464

Ion Ratio Lower Upper

43 100

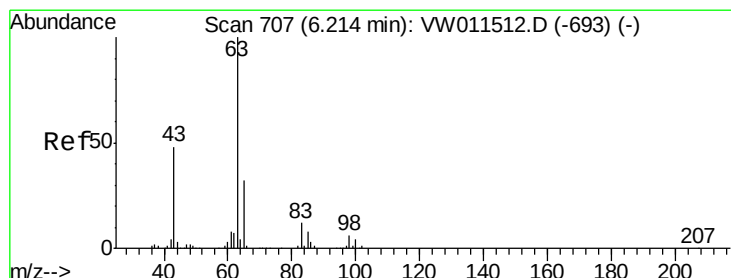
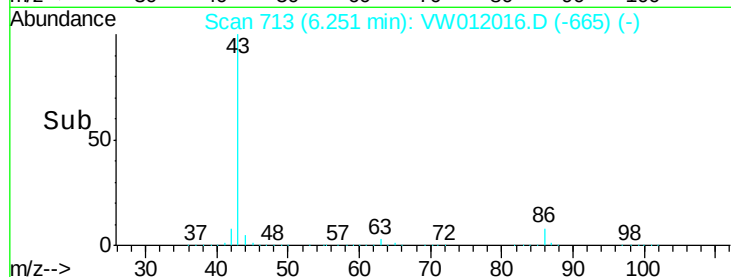
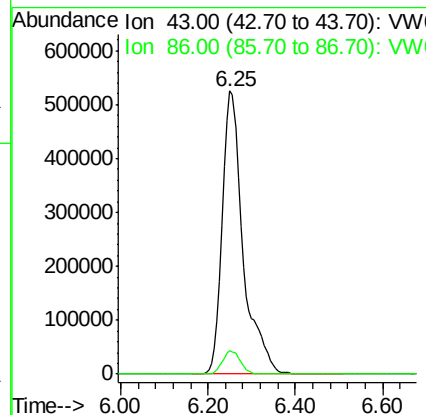
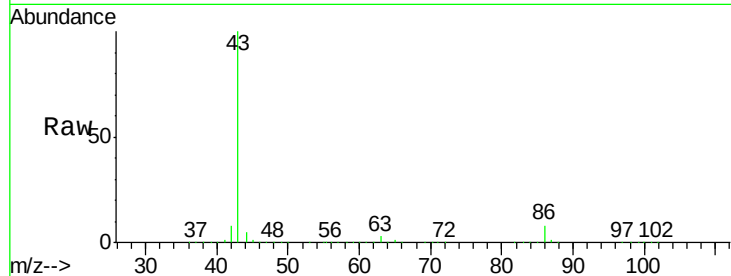
86 8.1 6.5 9.7

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8/20/2019 9:55:23 AM



#24

1,1-Dichloroethane

Concen: 53.775 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012016.D

Acq: 20 Aug 2019 02:56

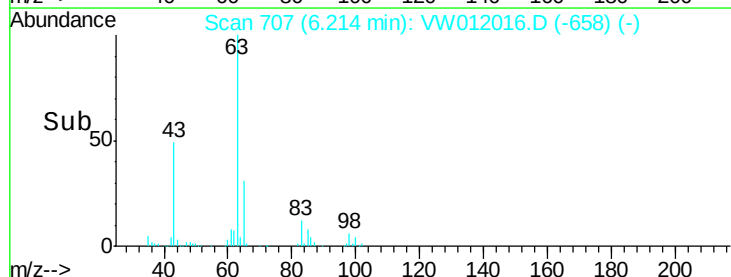
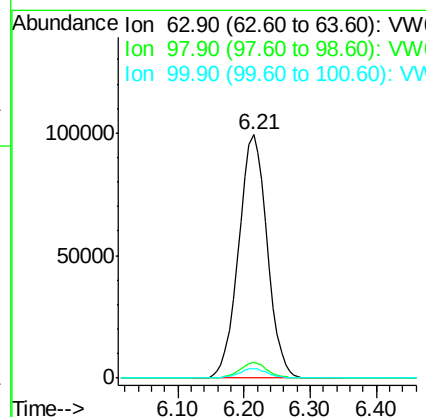
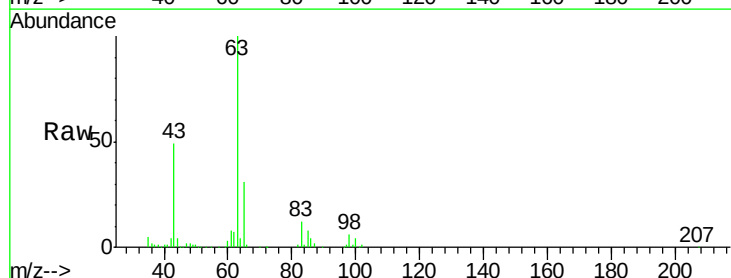
Tgt Ion: 63 Resp: 296476

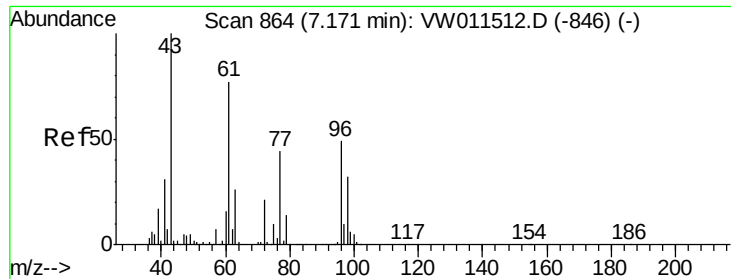
Ion Ratio Lower Upper

63 100

98 6.3 2.9 8.8

100 3.8 2.1 6.3





#25

2-Butanone

Concen: 238.545 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW012016.D

Acq: 20 Aug 2019 02:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 281045

Ion Ratio Lower Upper

43 100

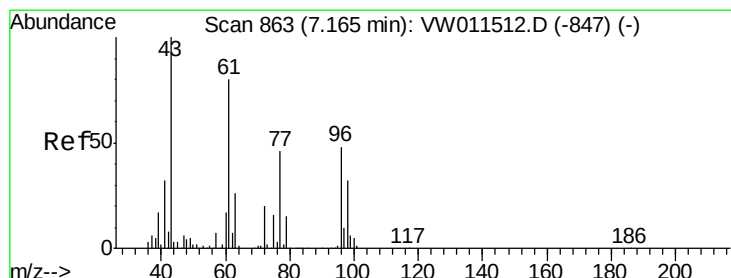
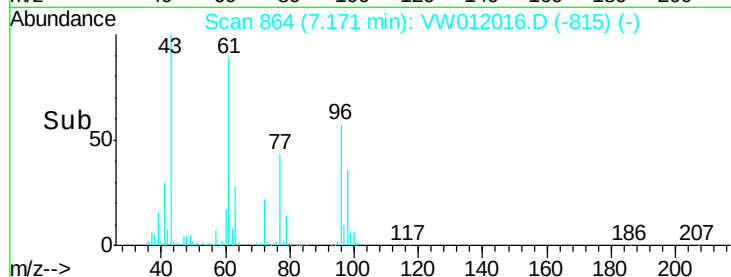
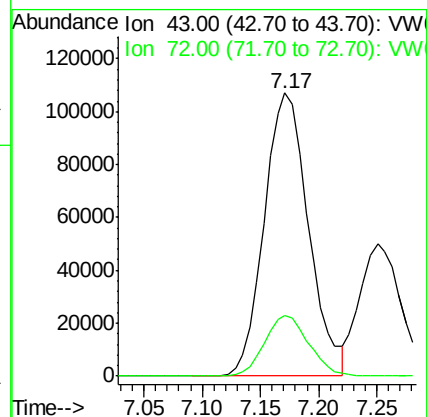
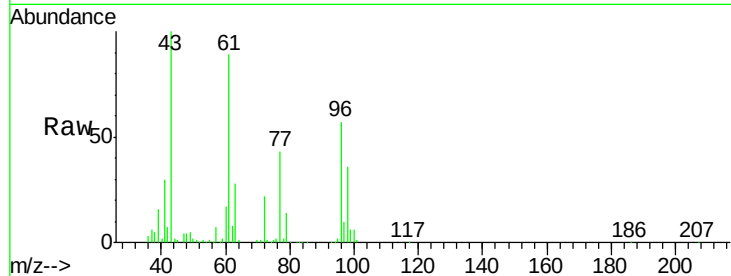
72 21.6 16.6 24.8

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8/20/2019 9:55:23 AM



#26

2,2-Dichloropropane

Concen: 42.530 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012016.D

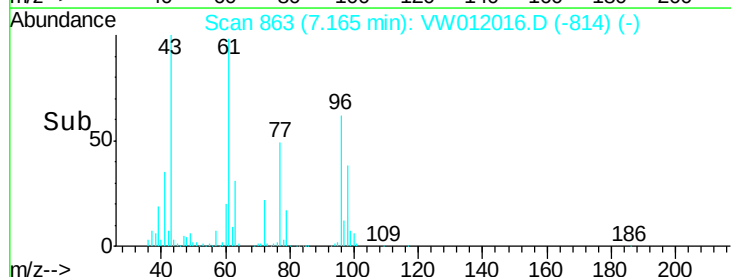
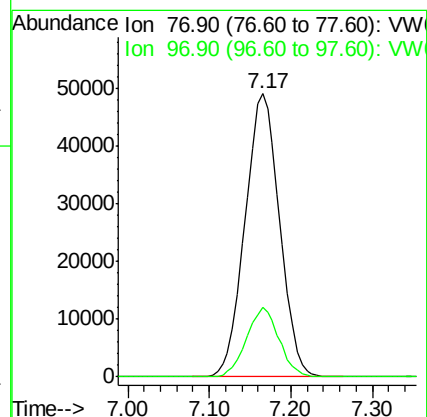
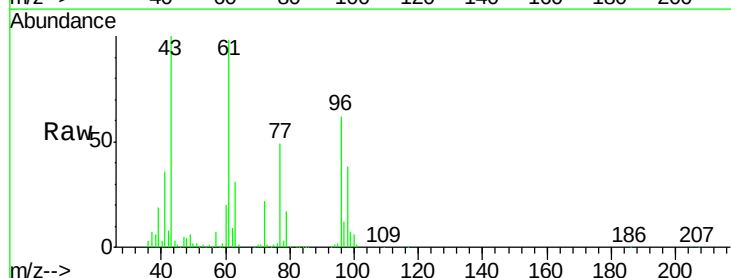
Acq: 20 Aug 2019 02:56

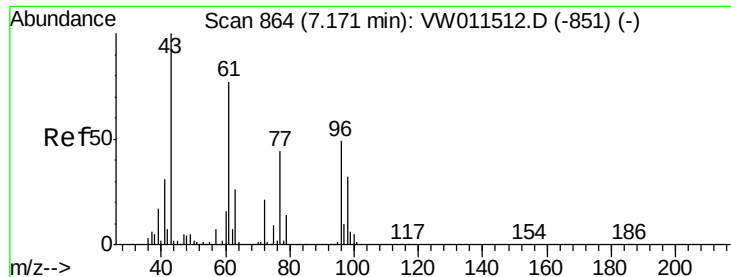
Tgt Ion: 77 Resp: 144204

Ion Ratio Lower Upper

77 100

97 23.2 10.8 32.4





#27

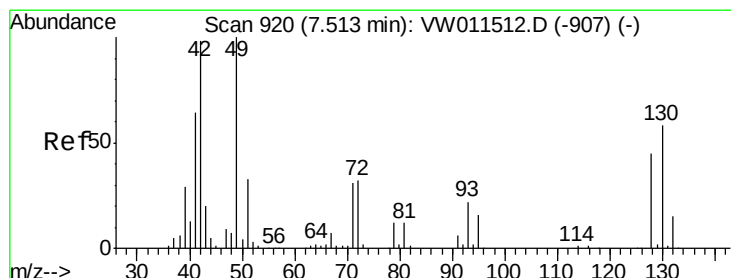
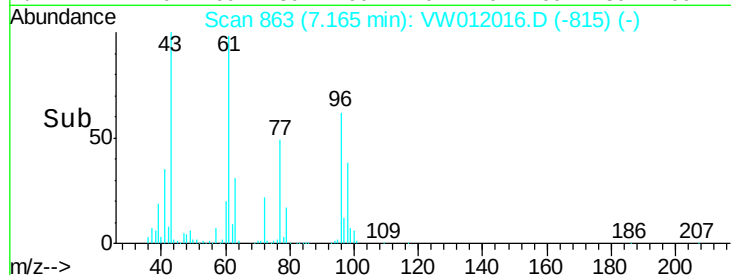
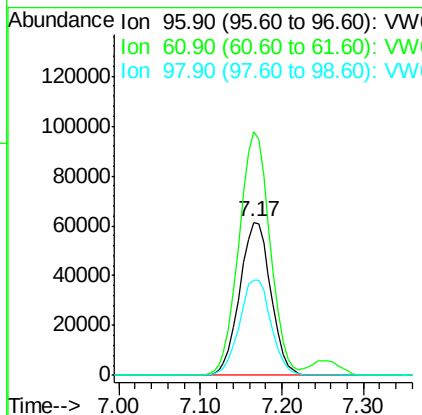
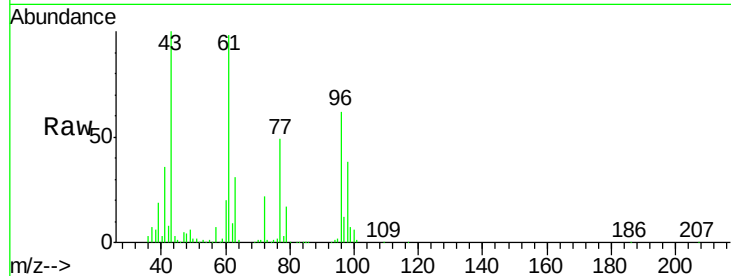
cis-1,2-Dichloroethene
Concen: 53.552 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012016.D
Acq: 20 Aug 2019 02:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	163123		
61	158.8	0.0	328.4	
98	63.3	0.0	128.8	

Manual Integrations
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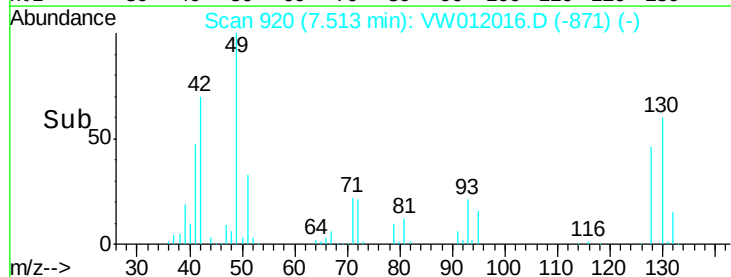
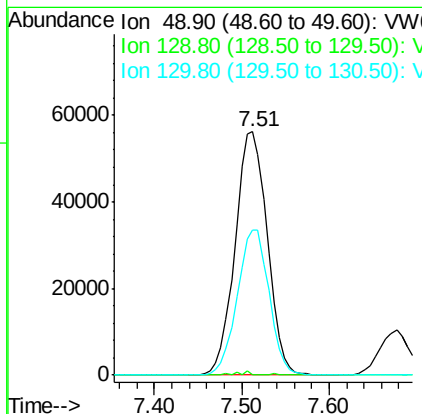
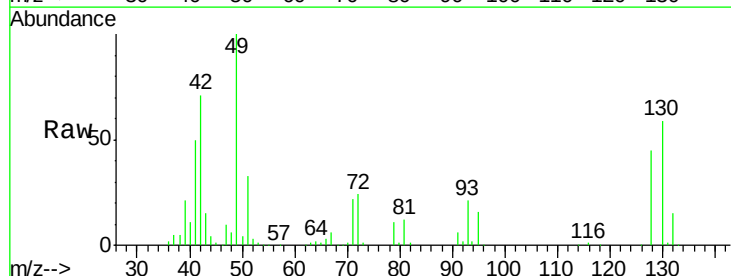
MMDadoda
8/20/2019 9:55:23 AM

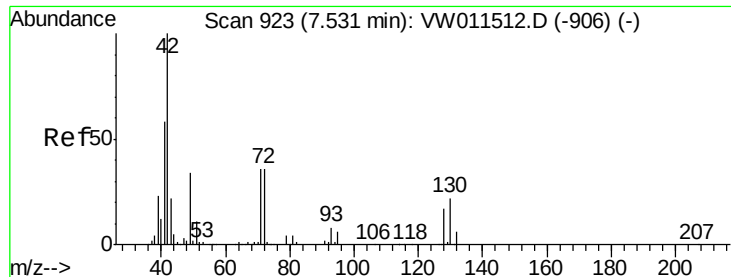


#28

Bromochloromethane
Concen: 58.844 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW012016.D
Acq: 20 Aug 2019 02:56

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	144000		
129	0.5	0.0	1.0	
130	58.8	46.3	69.5	





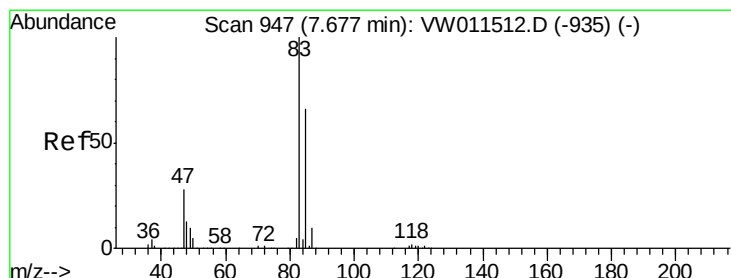
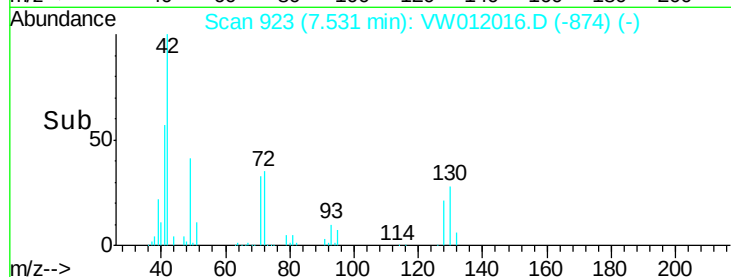
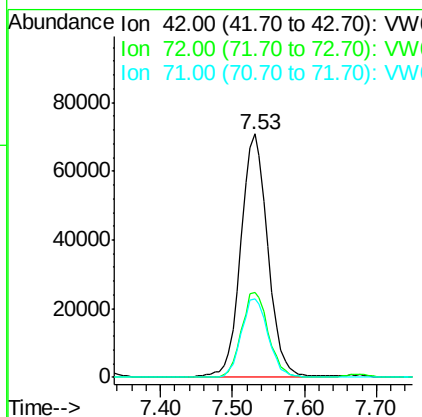
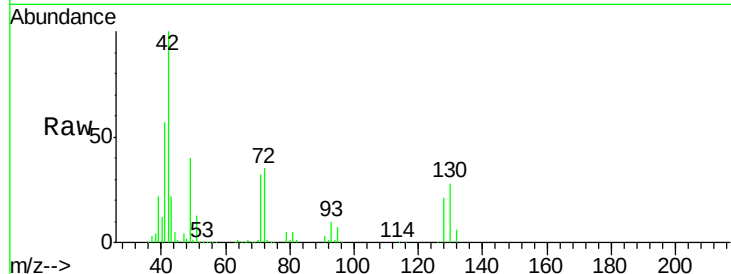
#29
Tetrahydrofuran
Concen: 273.046 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012016.D
Acq: 20 Aug 2019 02:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:	42	Resp:	183882
Ion	Ratio	Lower	Upper
42	100		
72	34.9	27.1	40.7
71	32.3	26.2	39.4

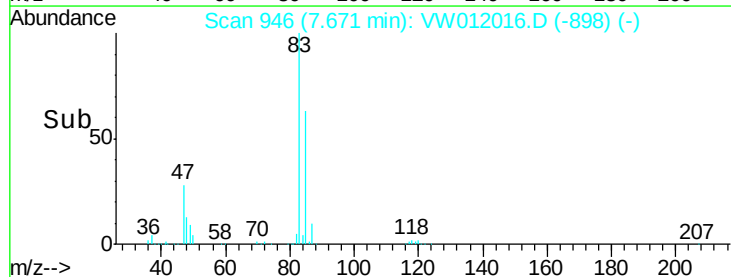
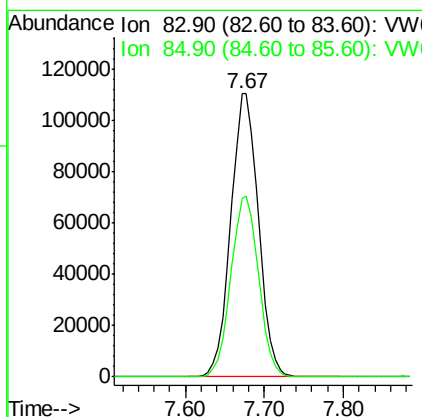
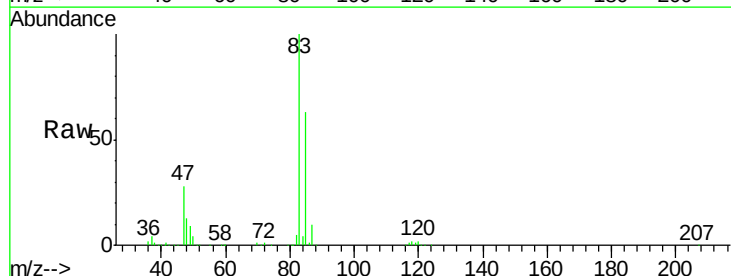
Manual Integrations
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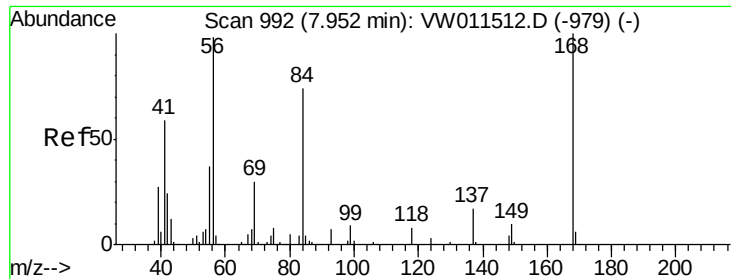
MMDadoda
8/20/2019 9:55:23 AM



#30
Chloroform
Concen: 52.865 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012016.D
Acq: 20 Aug 2019 02:56

Tgt Ion:	83	Resp:	268891
Ion	Ratio	Lower	Upper
83	100		
85	63.2	52.5	78.7





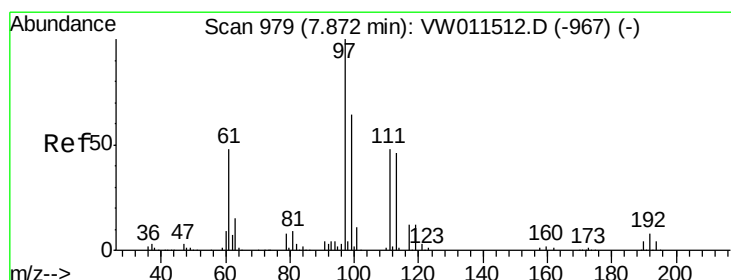
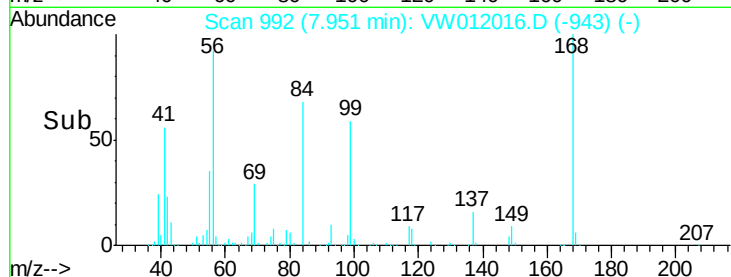
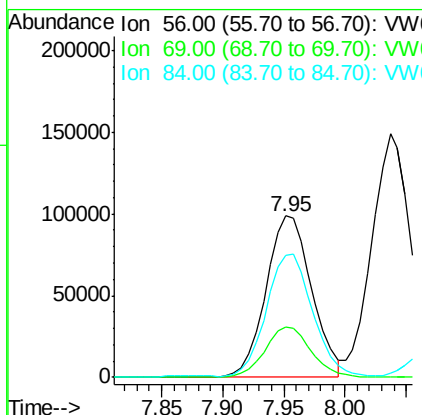
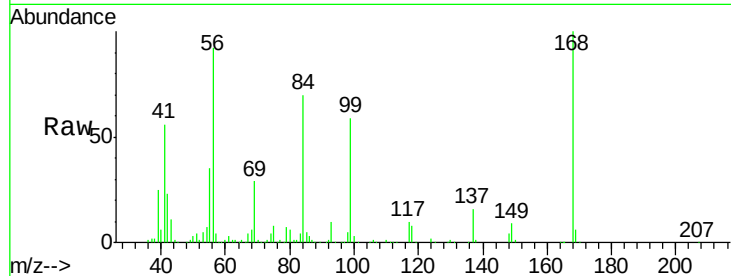
#31
Cyclohexane
Concen: 48.473 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW012016.D
Acq: 20 Aug 2019 02:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.5	24.3	36.5
84	74.3	60.4	90.6

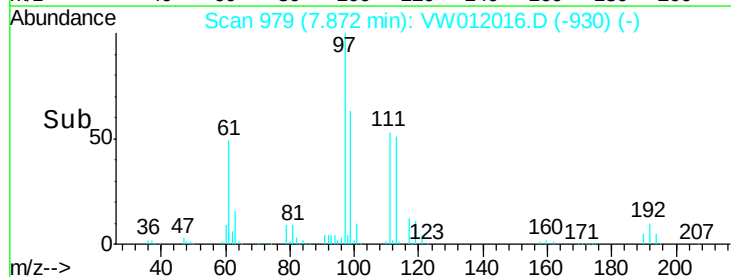
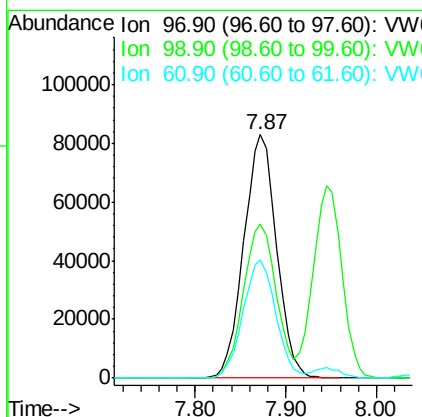
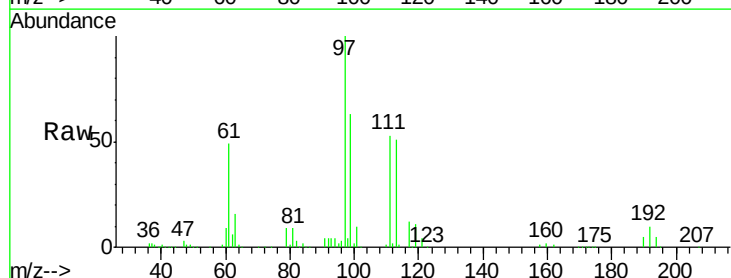
Manual Integrations
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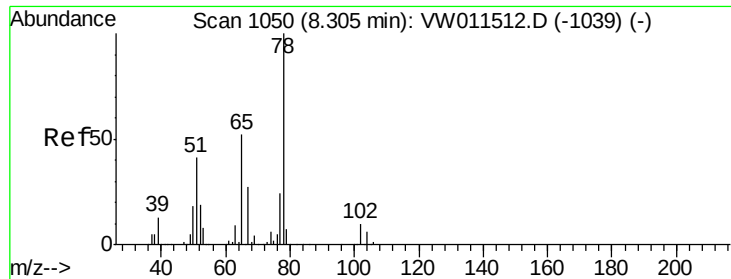
MMDadoda
8/20/2019 9:55:23 AM



#32
1,1,1-Trichloroethane
Concen: 53.678 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW012016.D
Acq: 20 Aug 2019 02:56

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.0	76.6
61	48.6	39.8	59.6





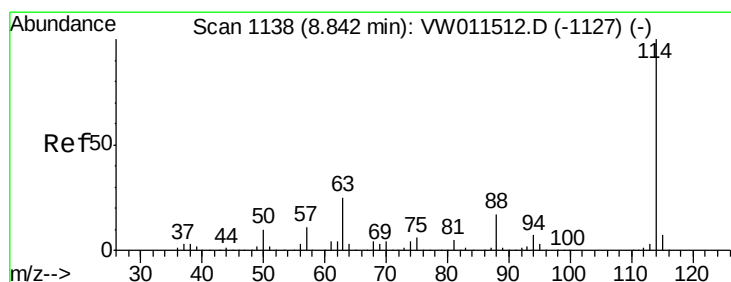
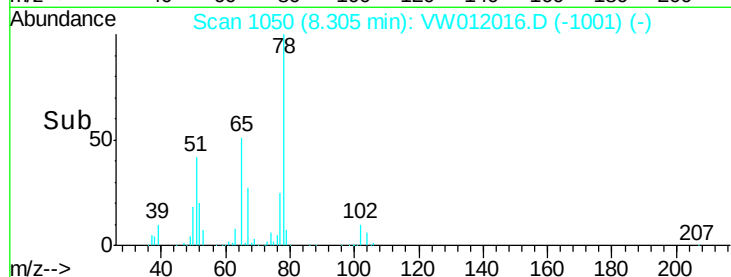
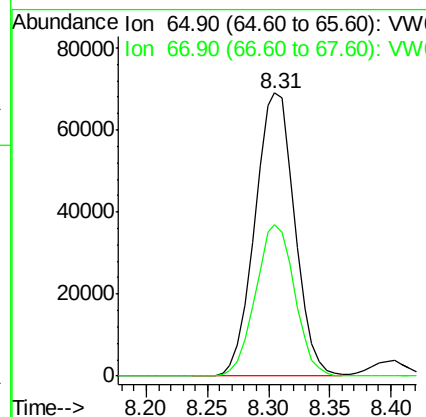
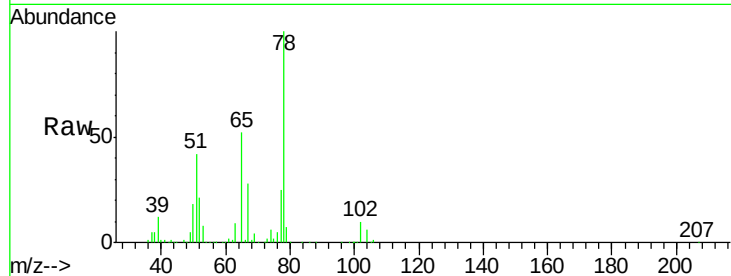
#33
 1,2-Dichloroethane-d4
 Concen: 55.143 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012016.D
 Acq: 20 Aug 2019 02:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	156082		
67	52.7	0.0	105.2	

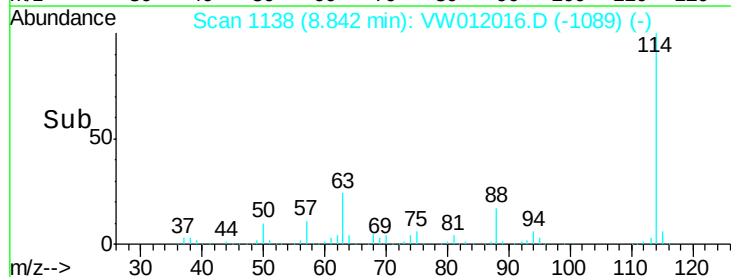
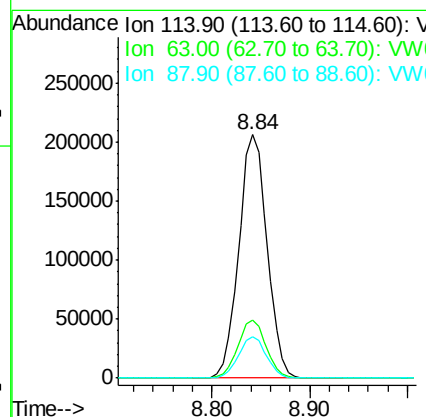
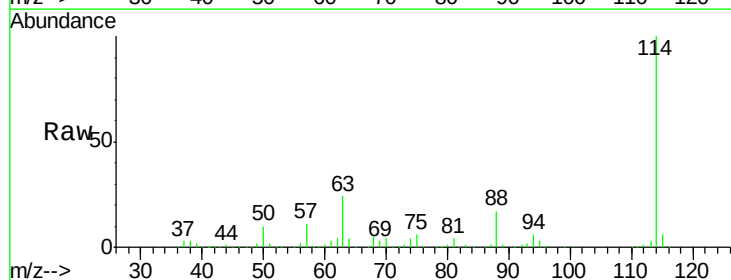
Manual Integrations
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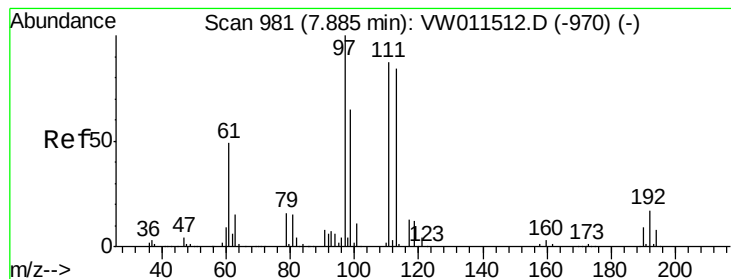
MMDadoda
 8/20/2019 9:55:23 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012016.D
 Acq: 20 Aug 2019 02:56

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	412226		
63	23.8	0.0	49.2	
88	17.0	0.0	33.8	





#35

Dibromofluoromethane

Concen: 55.929 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012016.D

Acq: 20 Aug 2019 02:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:113 Resp: 129345

Ion Ratio Lower Upper

113 100

111 103.3 82.7 124.1

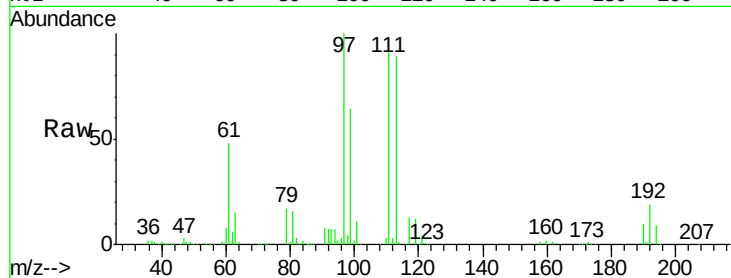
192 20.5 16.1 24.1

Manual Integrations

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MMDadoda

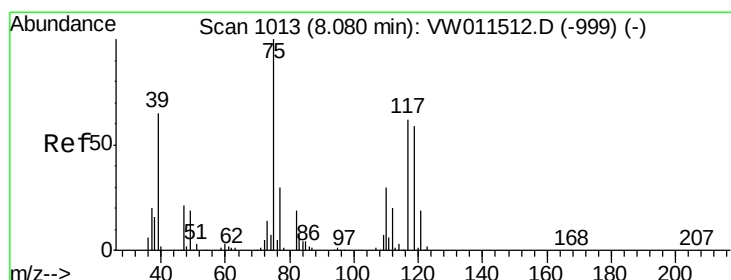
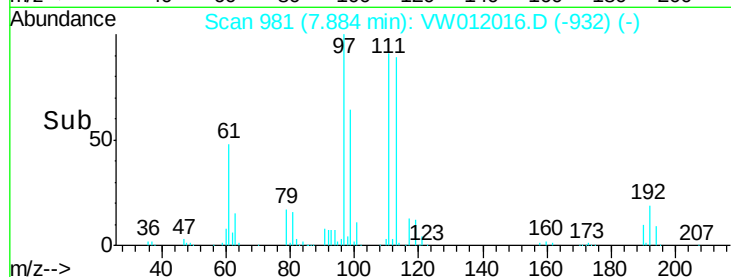
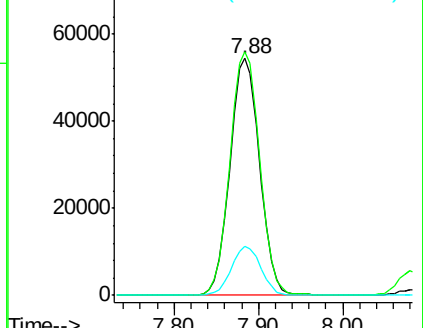
8/20/2019 9:55:23 AM



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 50.920 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW012016.D

Acq: 20 Aug 2019 02:56

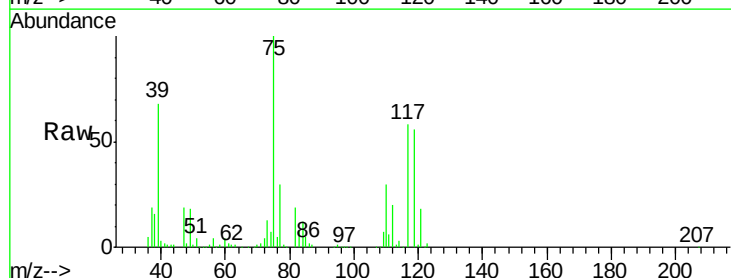
Tgt Ion: 75 Resp: 218262

Ion Ratio Lower Upper

75 100

110 32.1 15.6 46.8

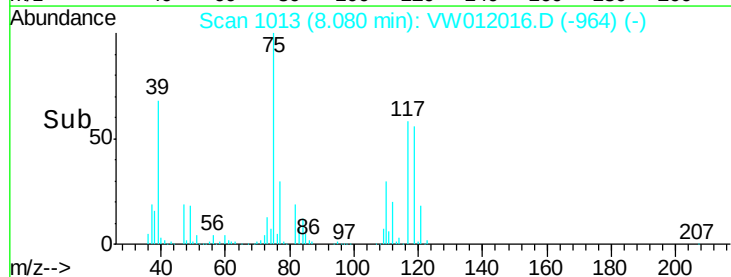
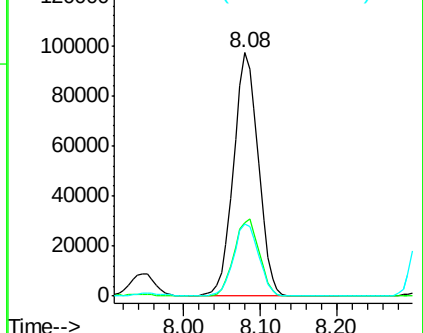
77 30.5 24.3 36.5

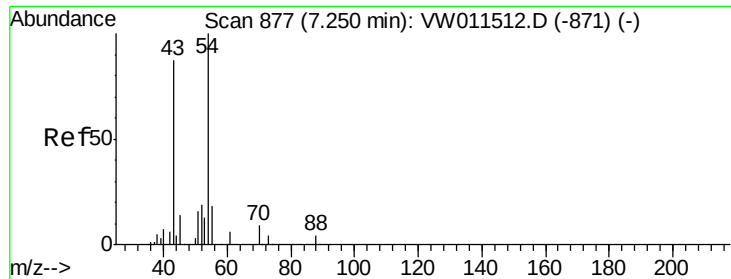


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





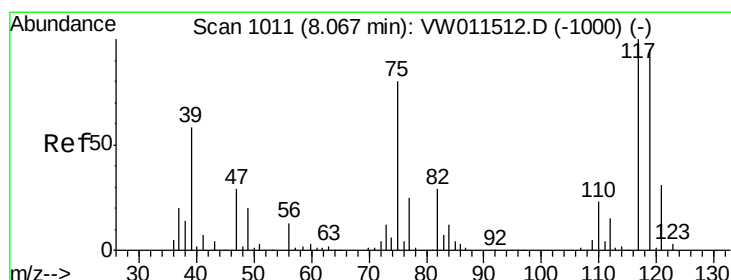
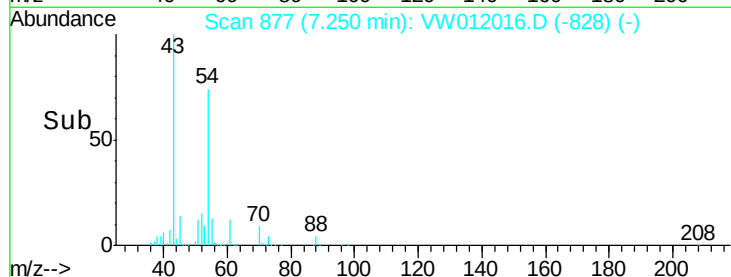
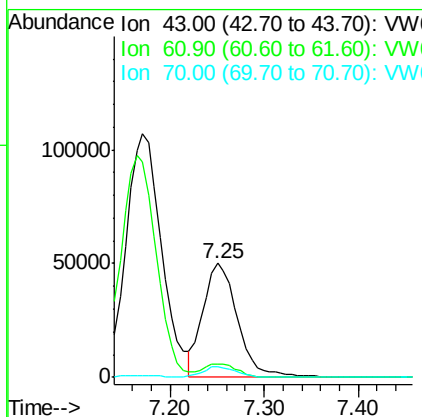
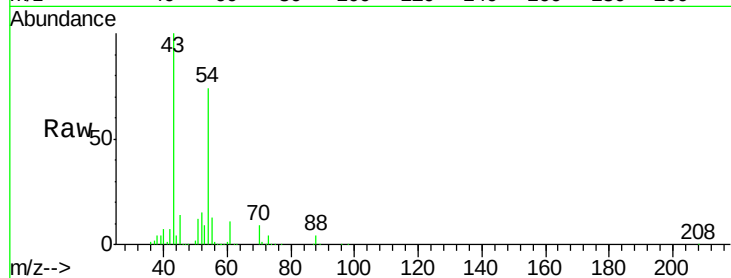
#37
Ethyl Acetate
Concen: 51.190 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012016.D
Acq: 20 Aug 2019 02:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.4	8.8	13.2
70	8.9	7.1	10.7

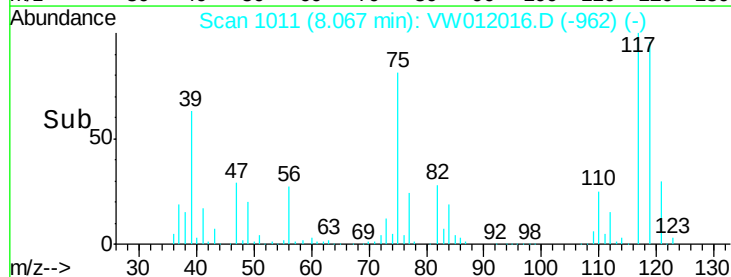
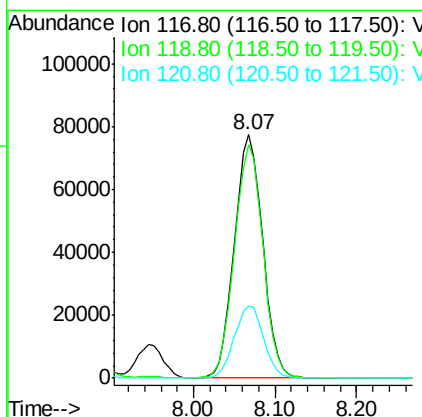
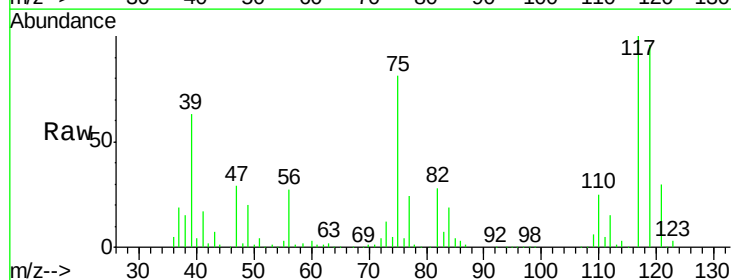
Manual Integrations
APPROVED

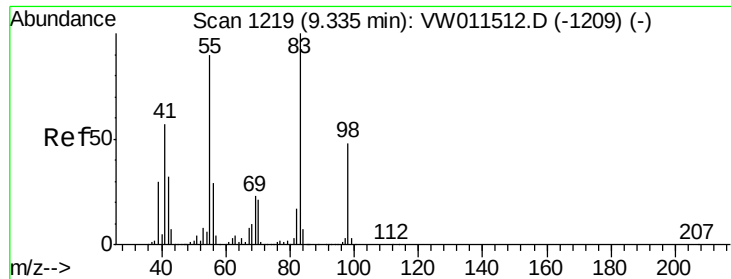
MMDadoda
8/20/2019 9:55:23 AM



#38
Carbon Tetrachloride
Concen: 50.595 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012016.D
Acq: 20 Aug 2019 02:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	75.8	113.6
121	29.6	24.7	37.1





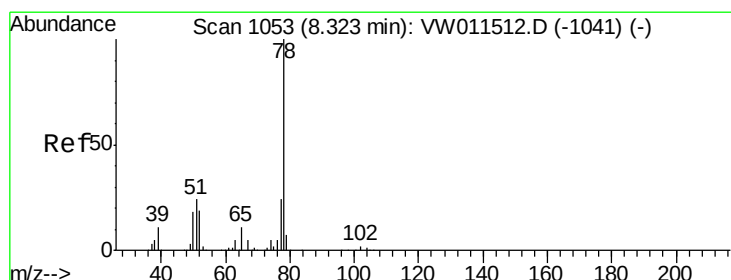
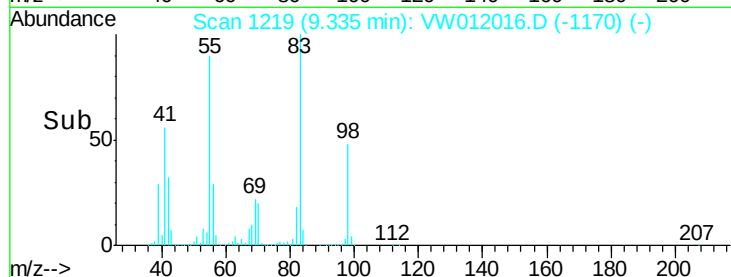
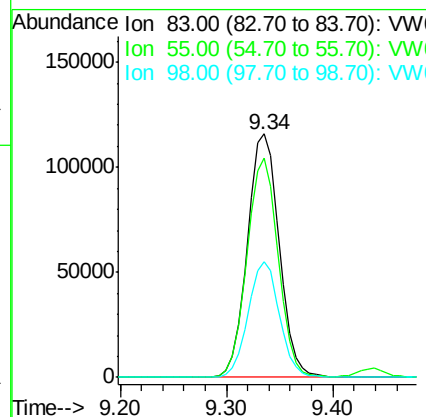
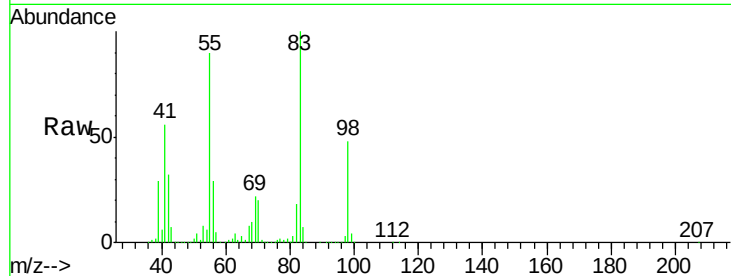
#39
Methylvlcyclohexane
Concen: 51.771 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012016.D
Acq: 20 Aug 2019 02:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.7	72.1	108.1
98	47.6	38.6	57.8

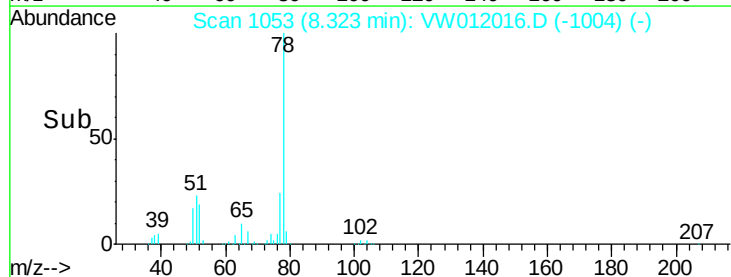
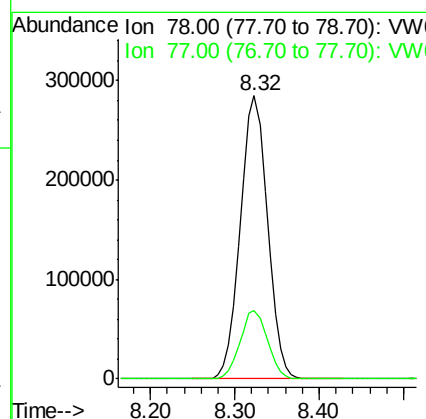
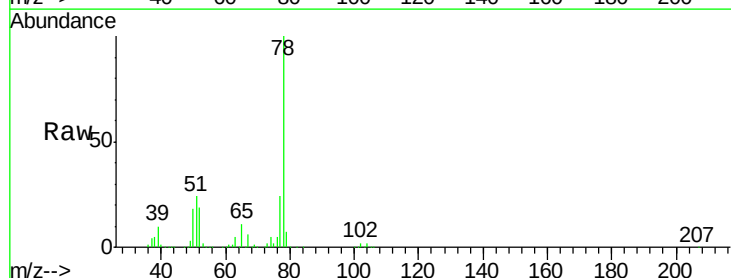
Manual Integrations
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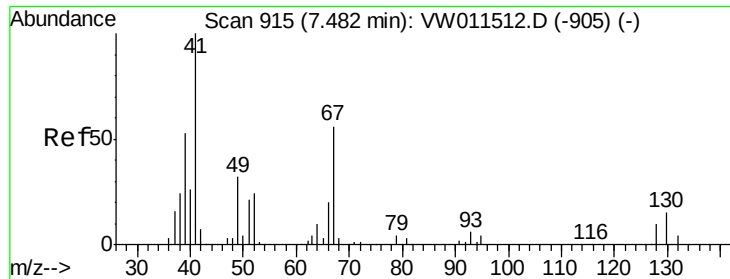
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#40
Benzene
Concen: 51.596 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012016.D
Acq: 20 Aug 2019 02:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.4	29.0





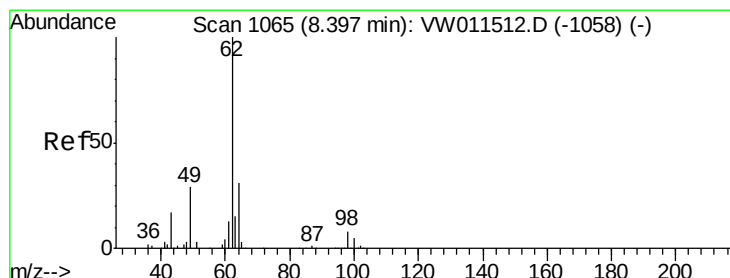
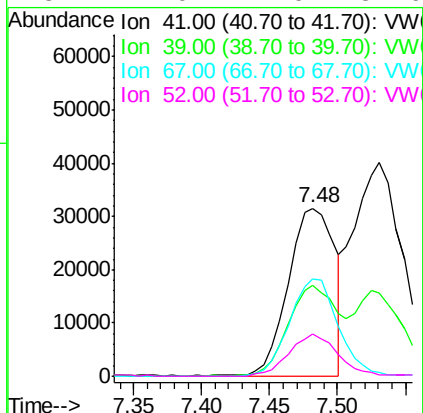
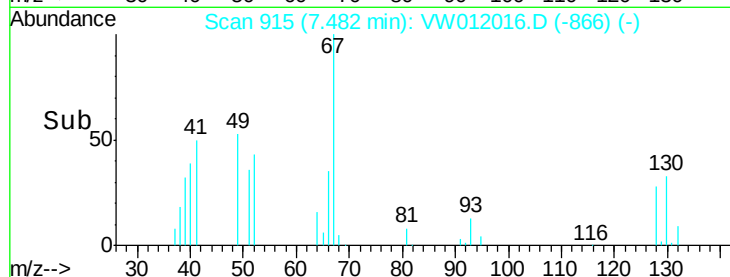
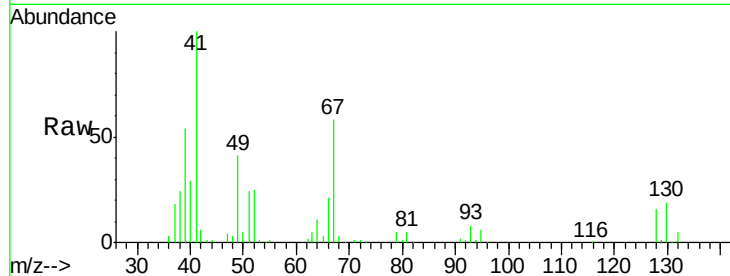
#41
Methacrylonitrile
Concen: 50.453 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW012016.D
Acq: 20 Aug 2019 02:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	74375
Ion	Ratio	Lower	Upper
41	100		
39	58.7	43.0	64.4
67	61.1	47.5	71.3
52	27.0	21.0	31.6

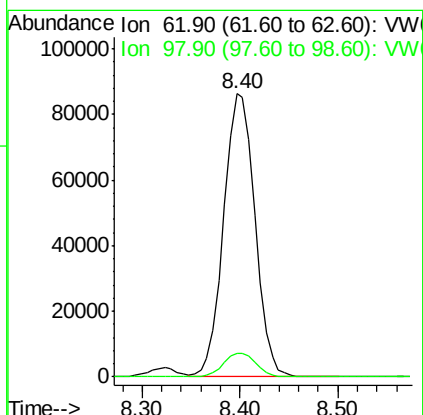
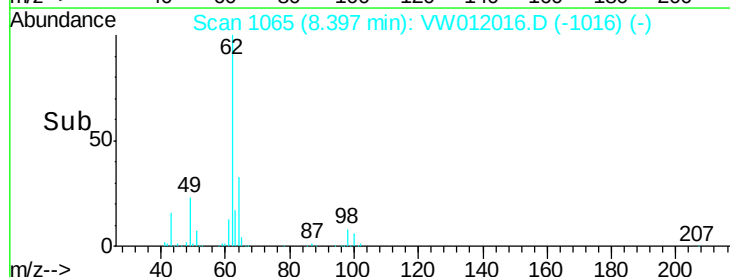
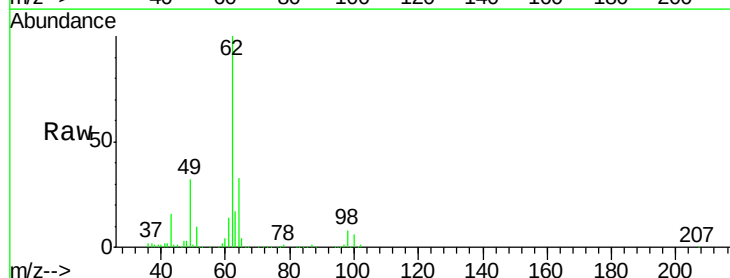
Manual Integrations
APPROVED

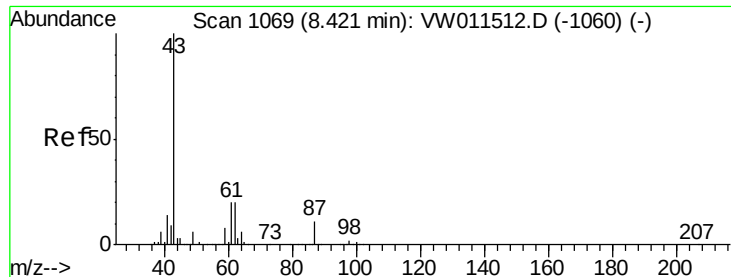
MMDadoda
8/20/2019 9:55:23 AM



#42
1,2-Dichloroethane
Concen: 50.899 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012016.D
Acq: 20 Aug 2019 02:56

Tgt Ion	62	Resp	191332
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	16.8





#43

Isopropyl Acetate

Concen: 53.774 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012016.D

Acq: 20 Aug 2019 02:56

Instrument :

MSVOA_W

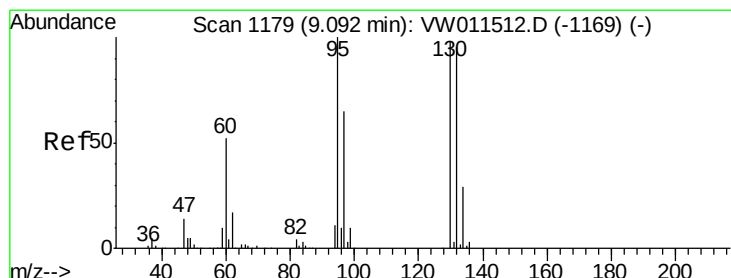
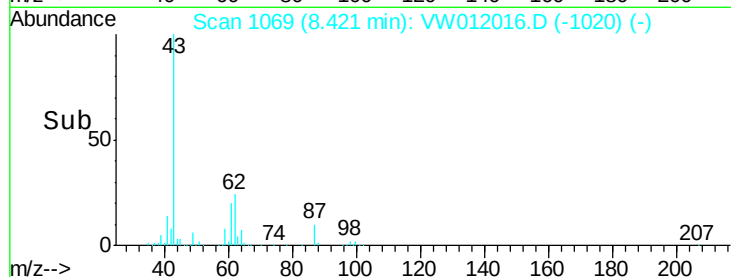
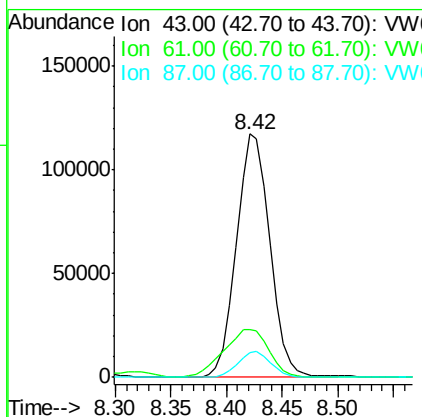
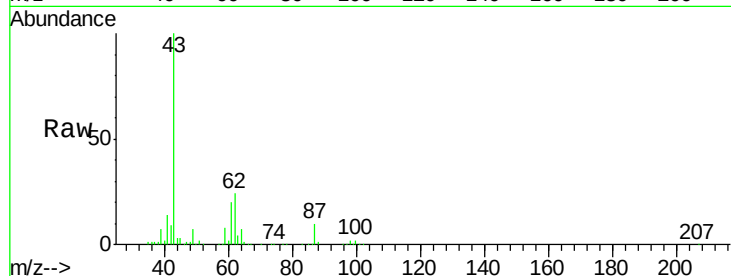
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	243884
Ion	Ratio	Lower	Upper
43	100		
61	26.5	21.5	32.3
87	10.5	8.4	12.6

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#44

Trichloroethene

Concen: 52.335 ug/l

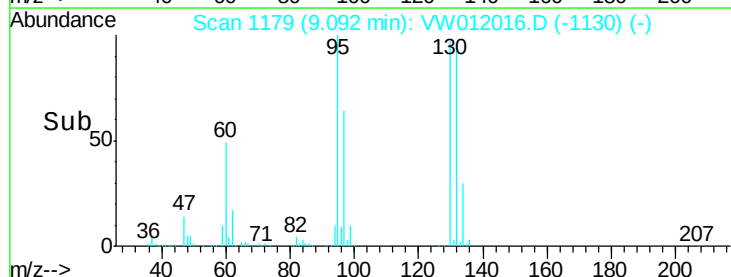
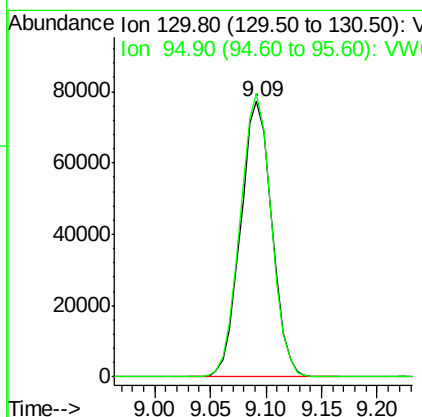
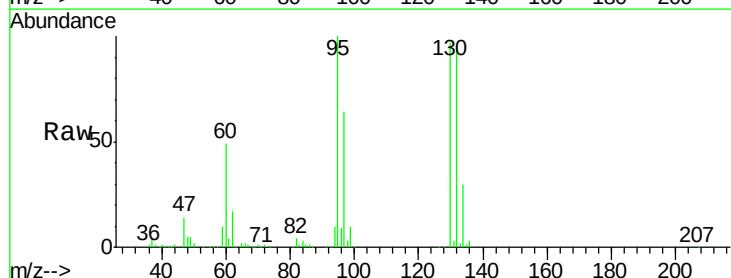
RT: 9.09 min Scan# 1179

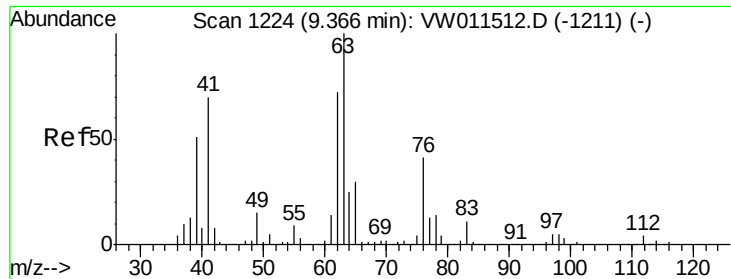
Delta R.T. -0.00 min

Lab File: VW012016.D

Acq: 20 Aug 2019 02:56

Tgt Ion:	130	Resp:	151023
Ion	Ratio	Lower	Upper
130	100		
95	102.8	0.0	204.8





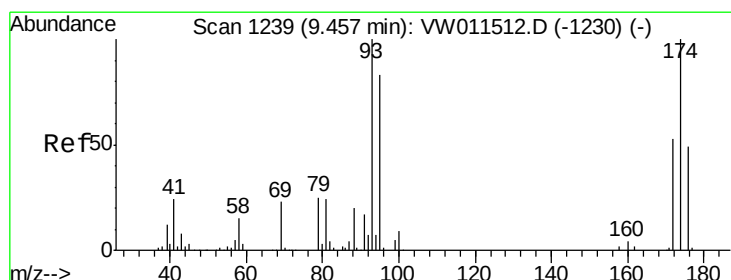
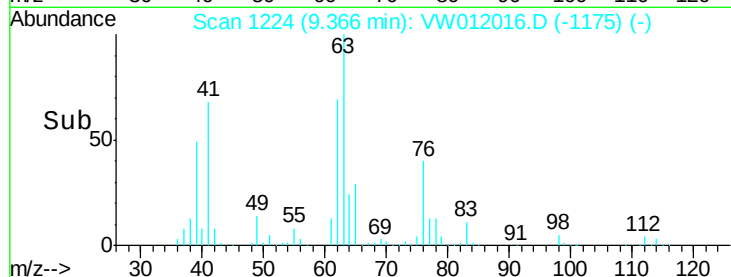
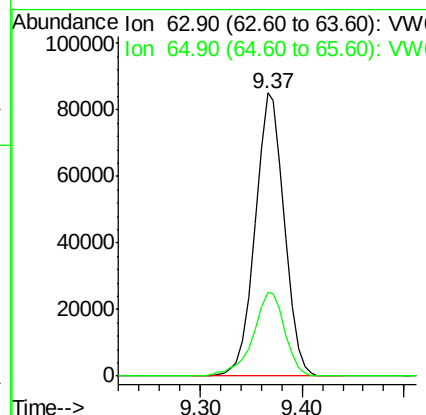
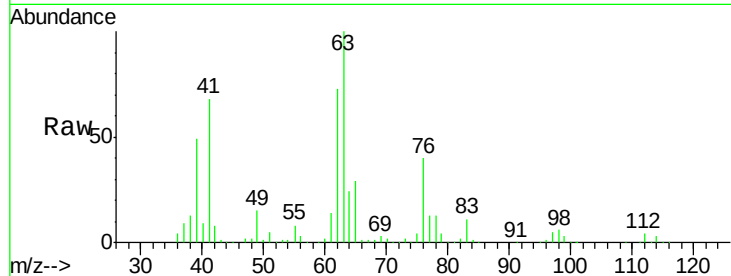
#45
 1,2-Dichloropropane
 Concen: 52.825 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012016.D
 Acq: 20 Aug 2019 02:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 169702
 Ion Ratio Lower Upper
 63 100
 65 29.5 24.2 36.4

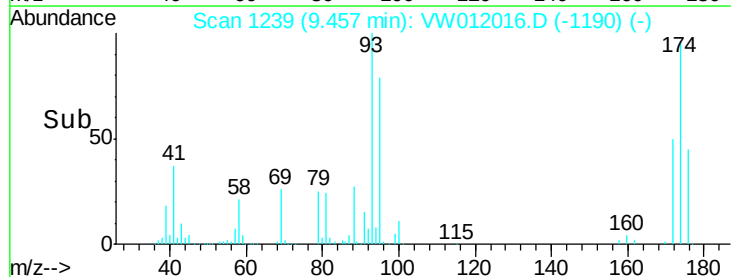
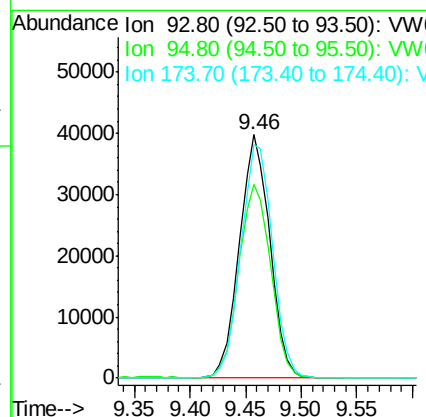
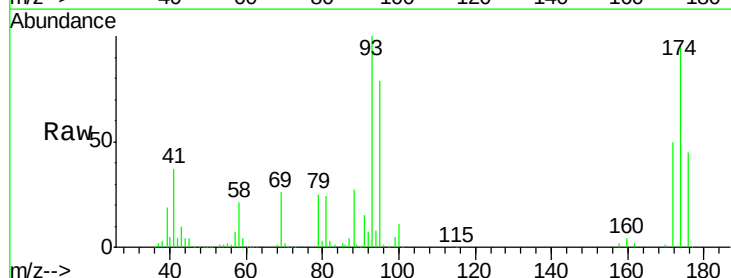
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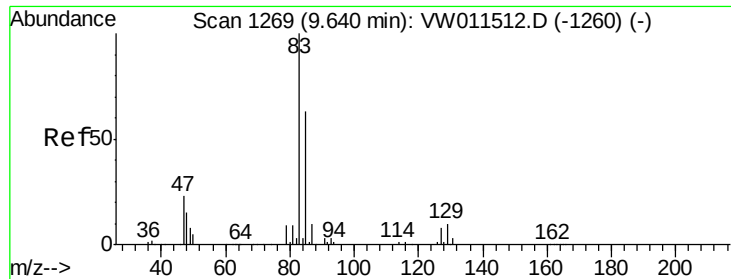
MMDadoda
 8/20/2019 9:55:23 AM



#46
 Dibromomethane
 Concen: 51.453 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012016.D
 Acq: 20 Aug 2019 02:56

Tgt Ion: 93 Resp: 75444
 Ion Ratio Lower Upper
 93 100
 95 83.7 66.2 99.2
 174 100.4 78.2 117.4





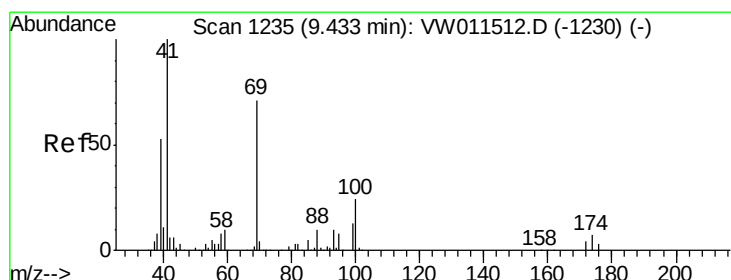
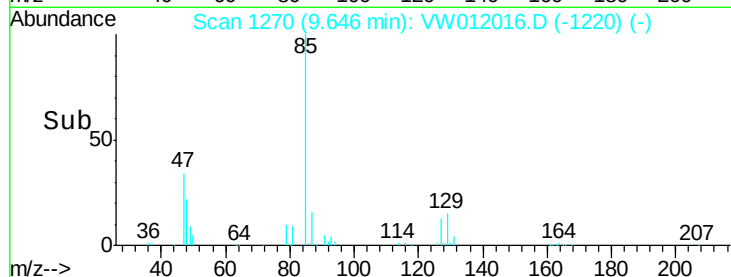
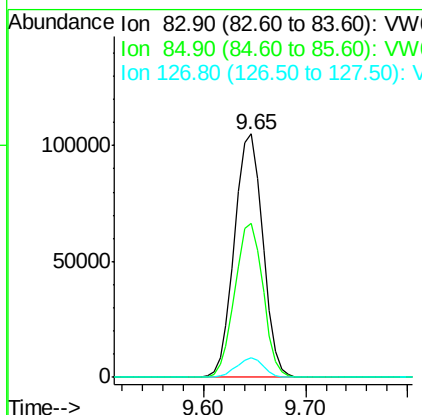
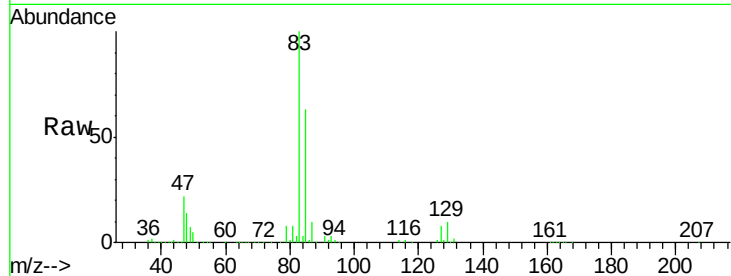
#47
Bromodichloromethane
Concen: 52.682 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW012016.D
Acq: 20 Aug 2019 02:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	202623		
85	63.1		50.5	75.7
127	8.0		6.4	9.6

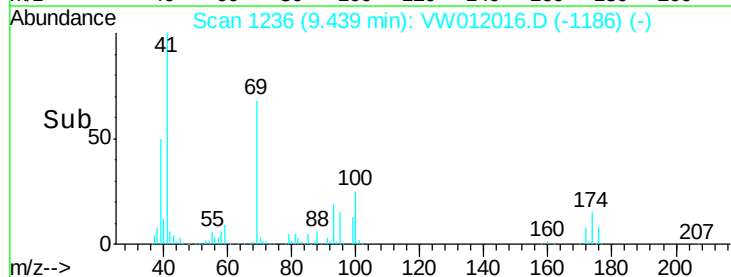
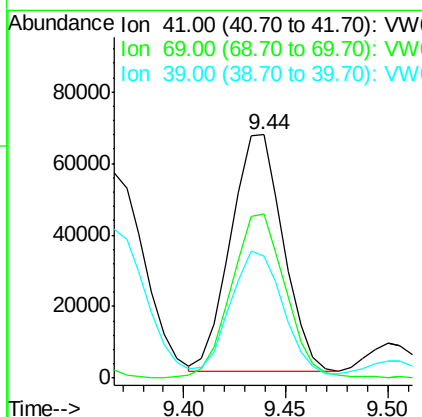
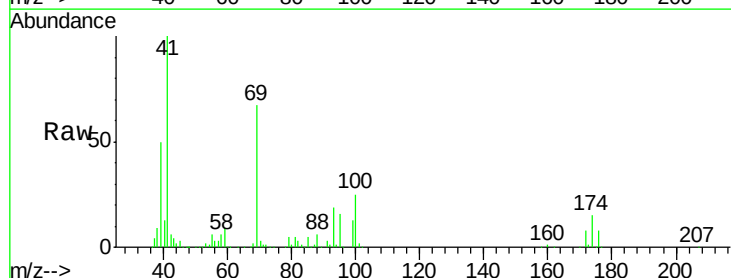
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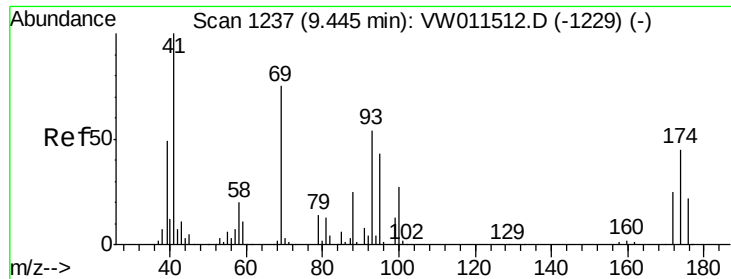
MMDadoda
8/20/2019 9:55:23 AM



#48
Methyl methacrylate
Concen: 54.308 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VW012016.D
Acq: 20 Aug 2019 02:56

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	118315		
69	71.3		57.1	85.7
39	55.3		45.4	68.2





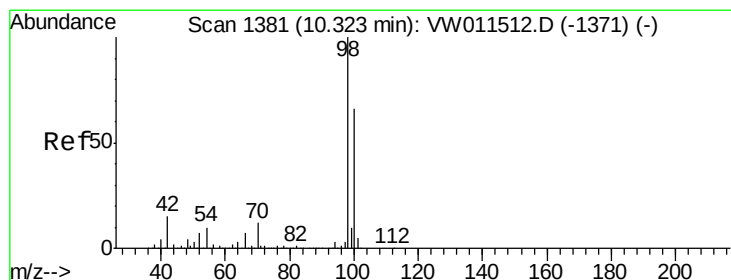
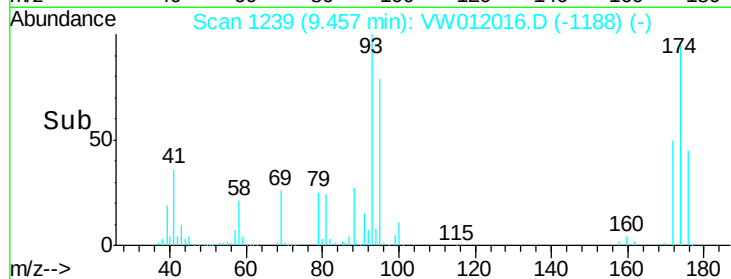
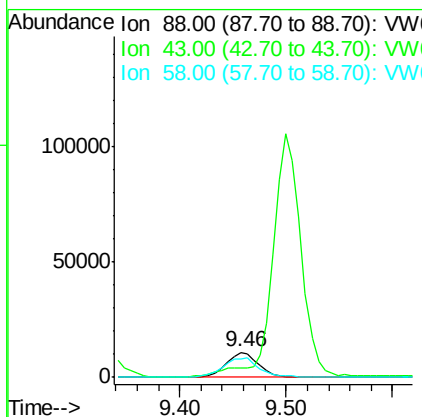
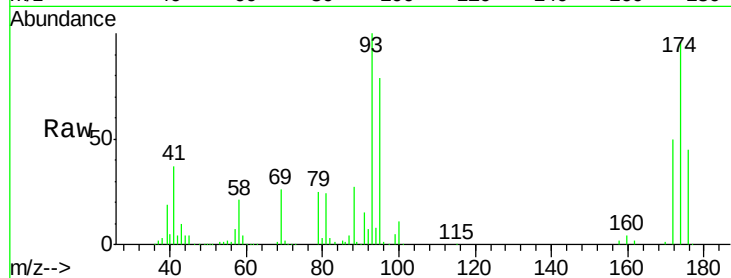
#49
1,4-Dioxane
Concen: 1078.875 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW012016.D
Acq: 20 Aug 2019 02:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	34.0	51.0#
58	87.4	69.7	104.5

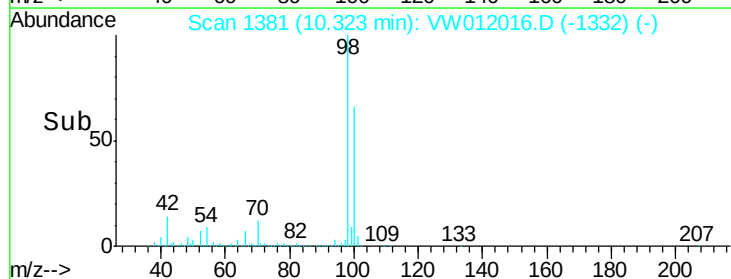
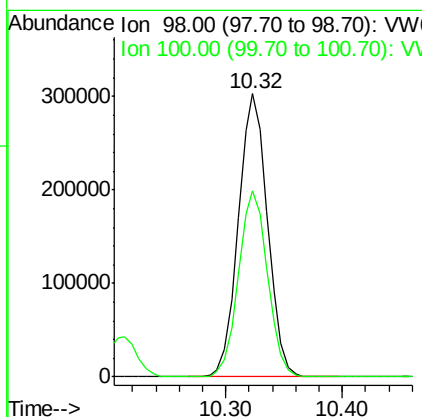
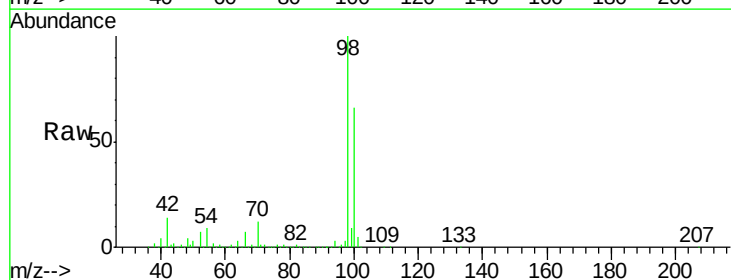
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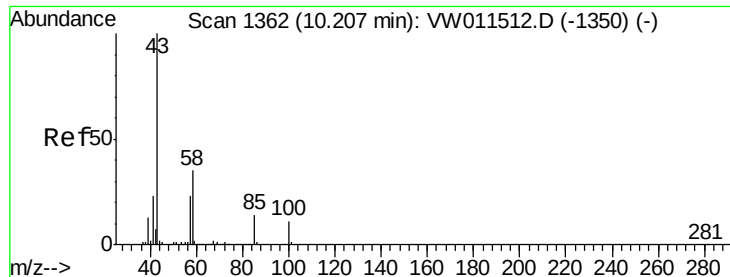
MMDadoda
8/20/2019 9:55:23 AM



#50
Toluene-d8
Concen: 55.741 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012016.D
Acq: 20 Aug 2019 02:56

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.7	79.1





#51

4-Methyl-2-Pentanone

Concen: 267.010 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012016.D

Acq: 20 Aug 2019 02:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 629887

Ion Ratio Lower Upper

43 100

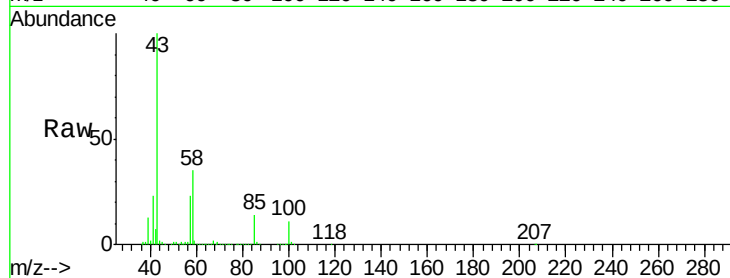
58 35.5 28.2 42.2

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

400000

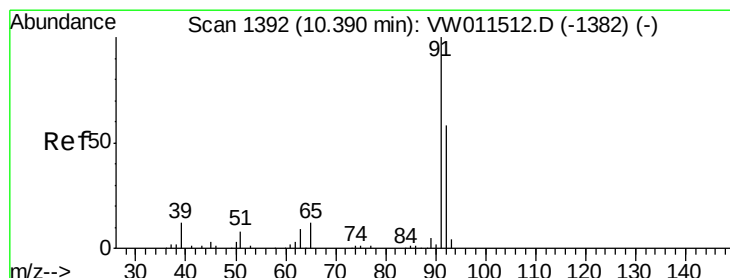
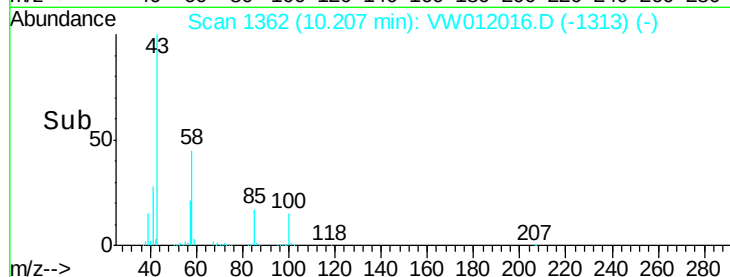
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 52.083 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW012016.D

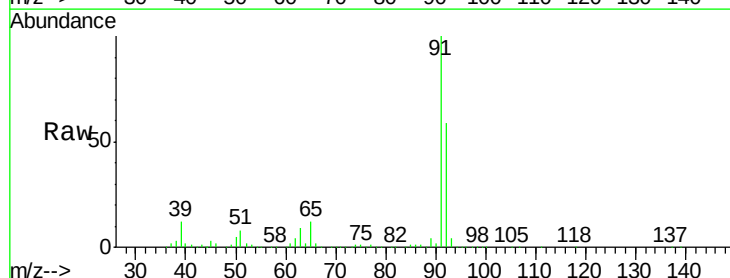
Acq: 20 Aug 2019 02:56

Tgt Ion: 92 Resp: 377635

Ion Ratio Lower Upper

92 100

91 171.8 136.7 205.1



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

400000

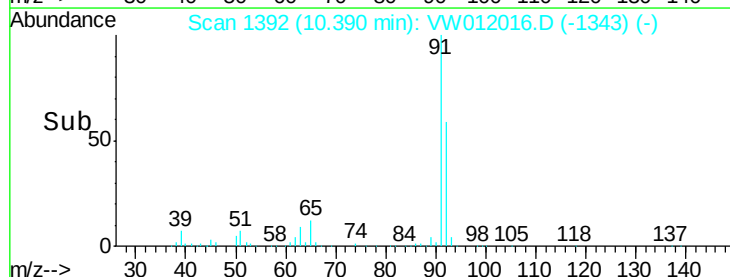
300000

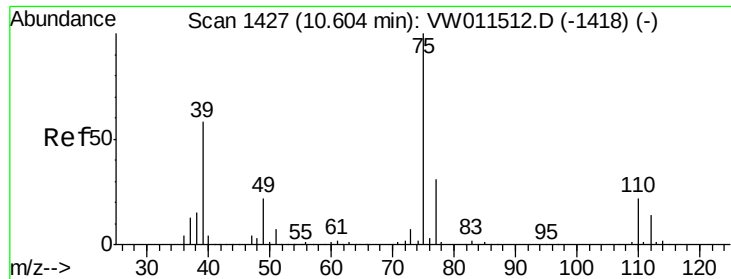
200000

100000

0

Time-->





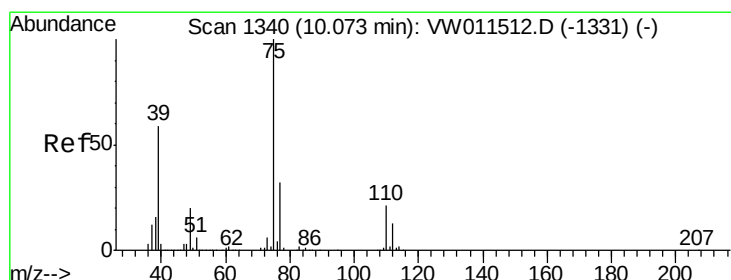
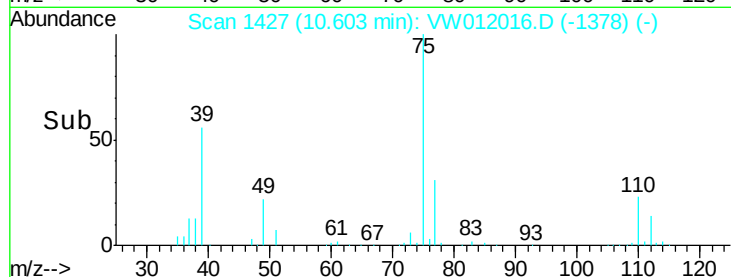
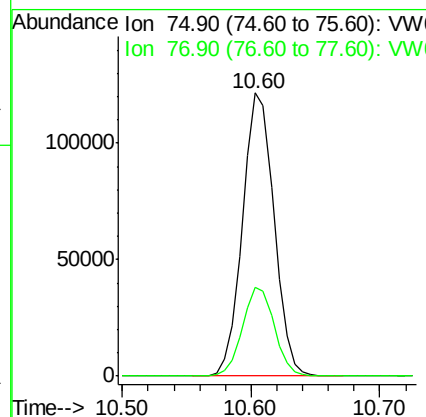
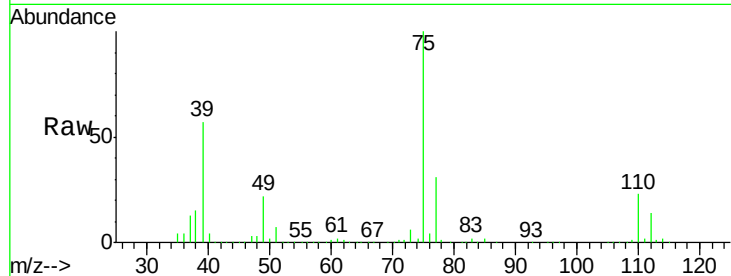
#53
 t-1,3-Dichloropropene
 Concen: 51.244 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW012016.D
 Acq: 20 Aug 2019 02:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.0	37.4

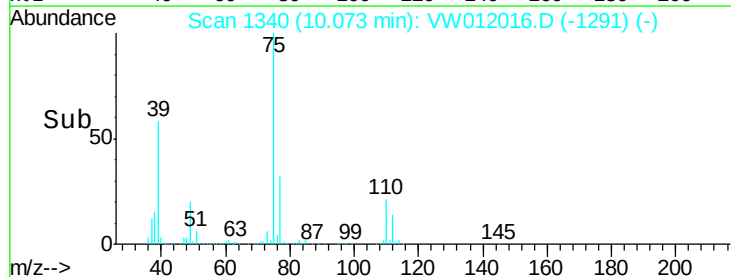
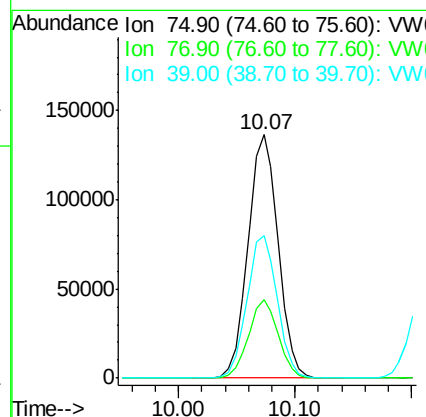
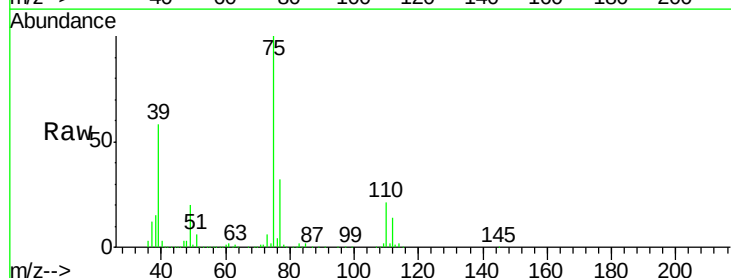
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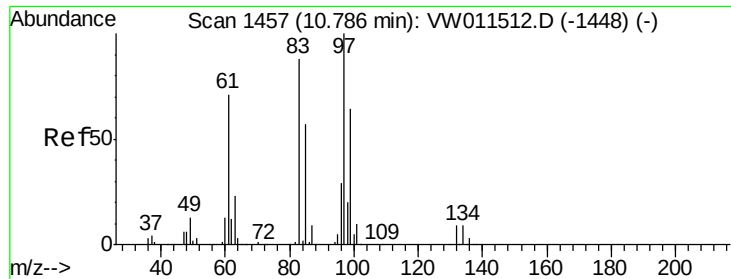
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 8/20/2019 9:55:23 AM



#54
 cis-1,3-Dichloropropene
 Concen: 51.426 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW012016.D
 Acq: 20 Aug 2019 02:56

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.6	38.4
39	58.3	47.0	70.4





#55

1,1,2-Trichloroethane

Concen: 52.448 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW012016.D

Acq: 20 Aug 2019 02:56

Instrument :

MSVOA_W

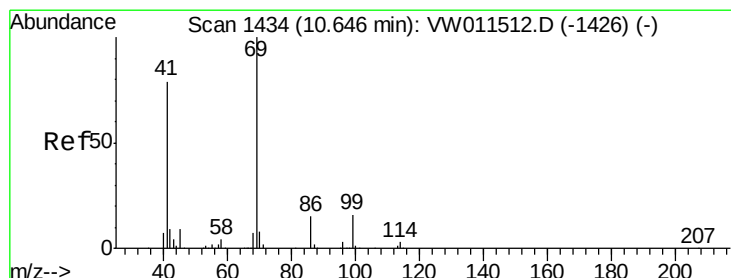
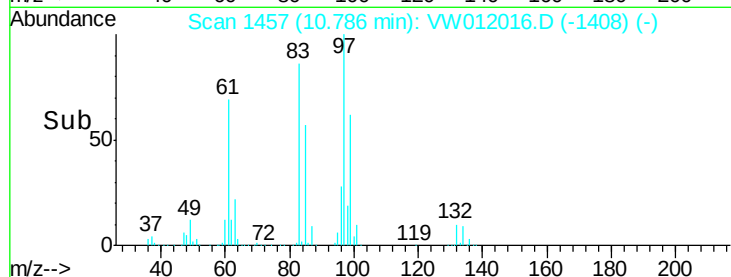
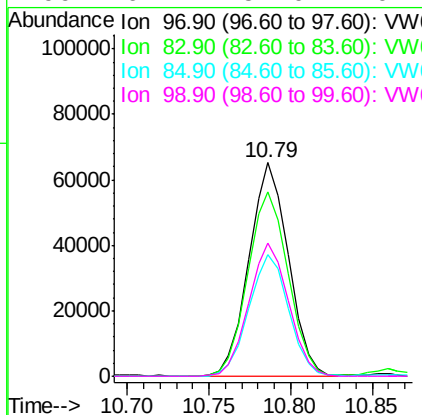
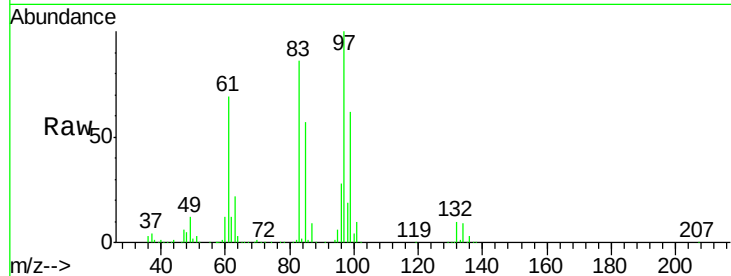
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	109112
Ion	Ratio	Lower	Upper
97	100		
83	86.1	70.5	105.7
85	56.9	45.8	68.6
99	62.2	51.0	76.4

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#56

Ethyl methacrylate

Concen: 55.368 ug/l

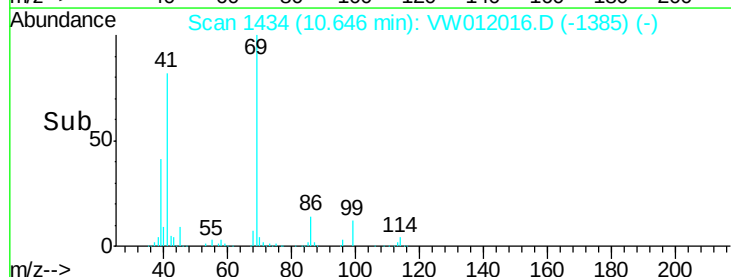
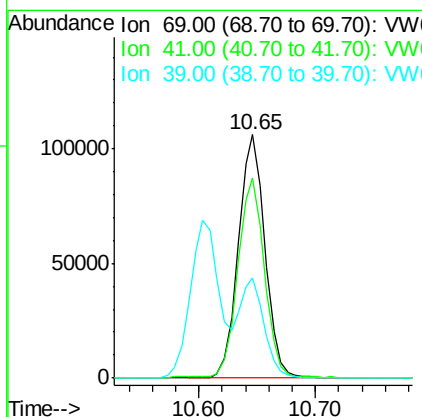
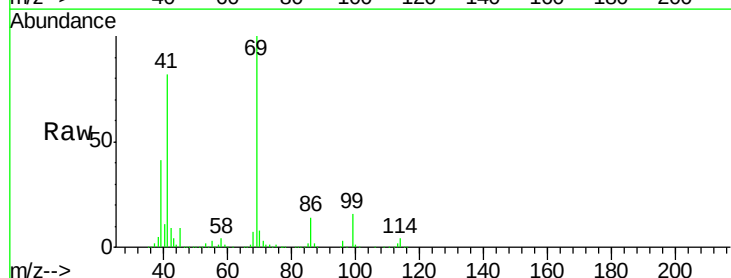
RT: 10.65 min Scan# 1434

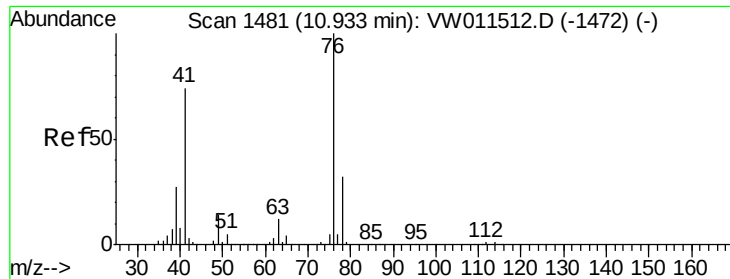
Delta R.T. -0.00 min

Lab File: VW012016.D

Acq: 20 Aug 2019 02:56

Tgt Ion:	69	Resp:	168556
Ion	Ratio	Lower	Upper
69	100		
41	82.4	66.6	99.8
39	37.8	30.3	45.5





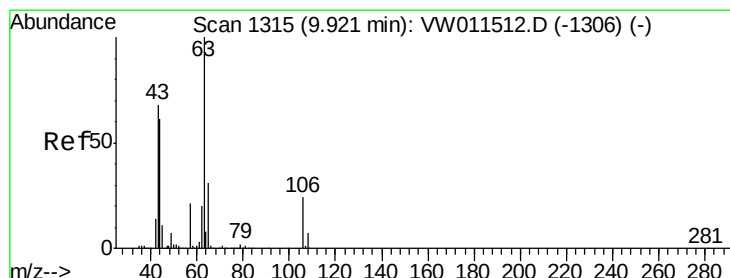
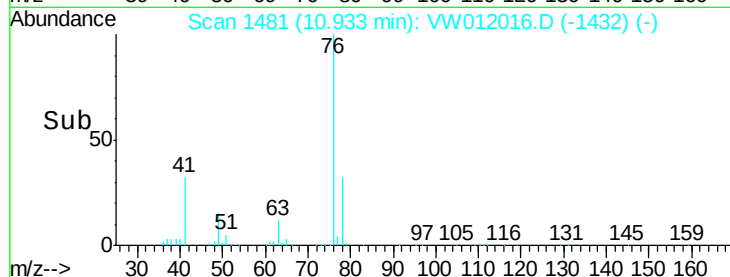
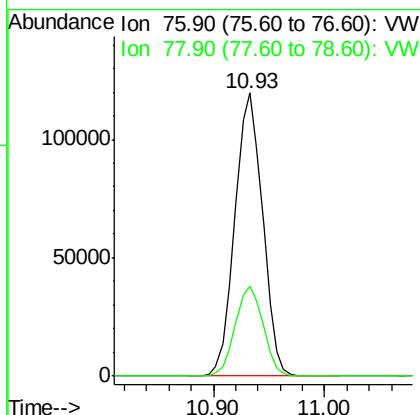
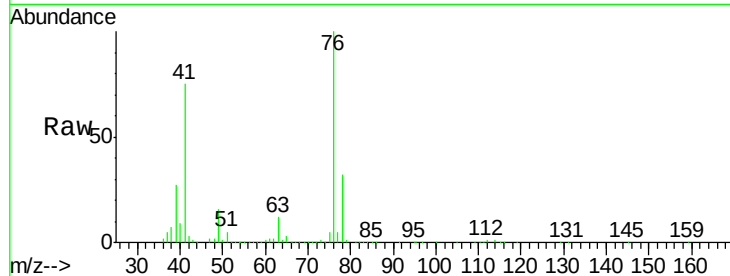
#57
 1,3-Dichloropropane
 Concen: 52.498 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012016.D
 Acq: 20 Aug 2019 02:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 206628
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.2 37.8

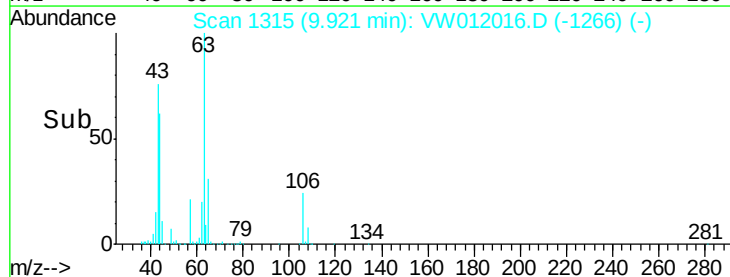
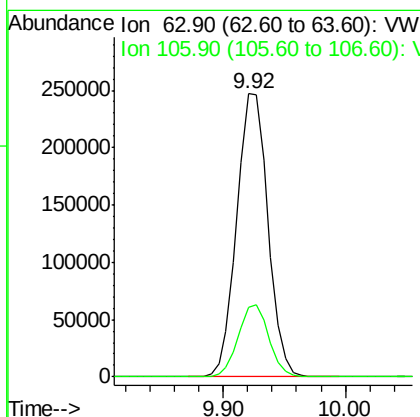
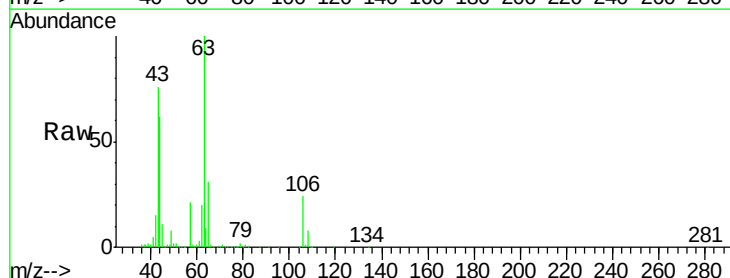
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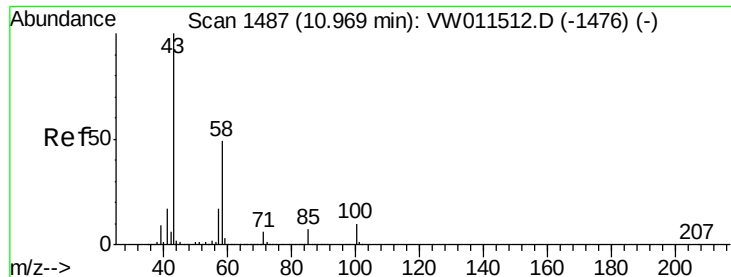
MMDadoda
 8/20/2019 9:55:23 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 315.937 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012016.D
 Acq: 20 Aug 2019 02:56

Tgt Ion: 63 Resp: 436697
 Ion Ratio Lower Upper
 63 100
 106 25.0 19.7 29.5





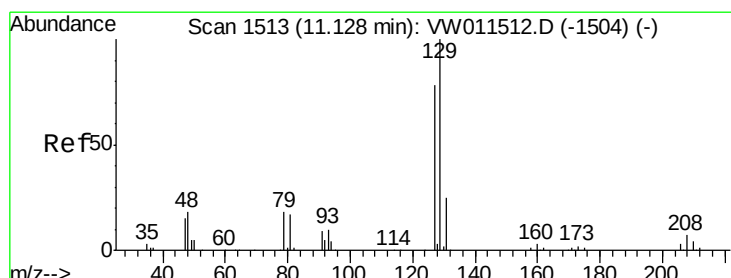
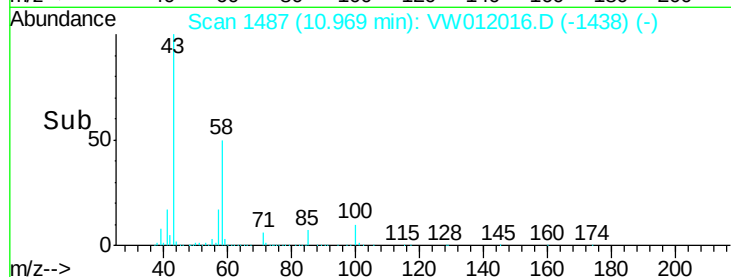
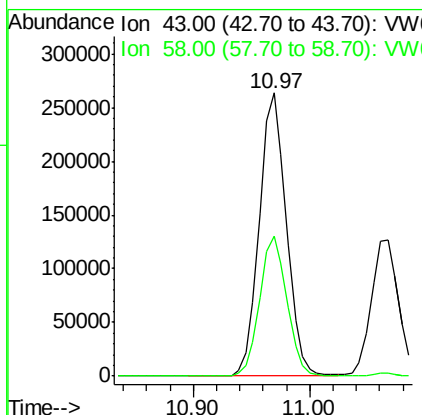
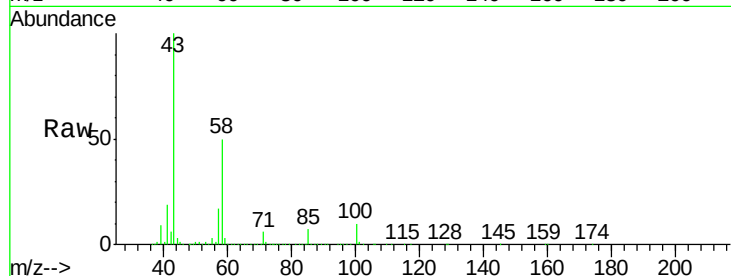
#59
2-Hexanone
Concen: 254.866 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012016.D
Acq: 20 Aug 2019 02:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 424513
Ion Ratio Lower Upper
43 100
58 49.9 24.3 72.9

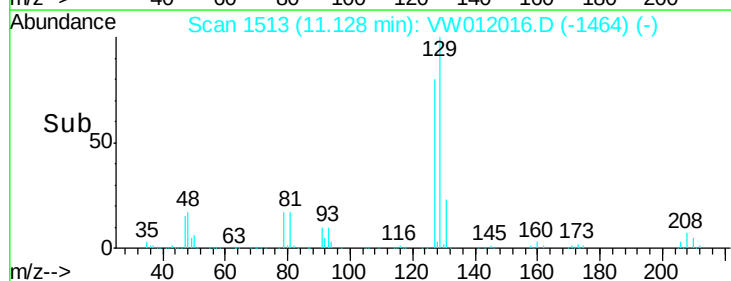
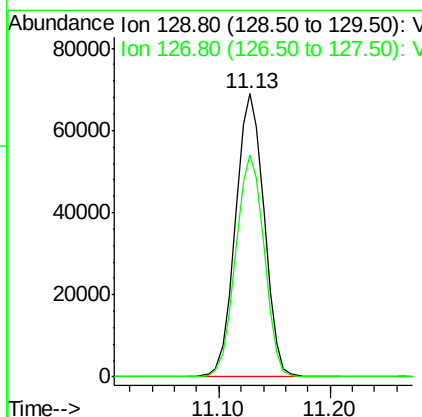
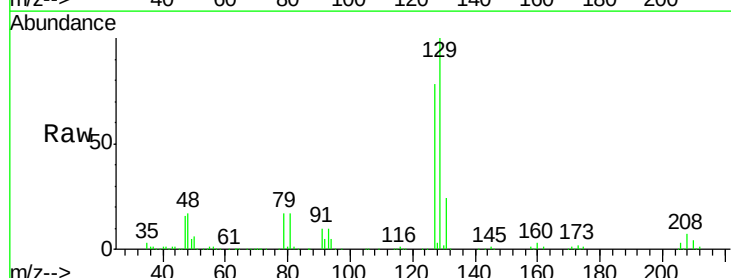
Manual Integrations
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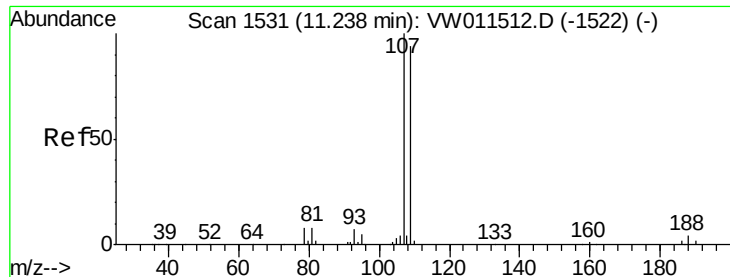
MMDadoda
8/20/2019 9:55:23 AM



#60
Dibromochloromethane
Concen: 52.709 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012016.D
Acq: 20 Aug 2019 02:56

Tgt Ion: 129 Resp: 121719
Ion Ratio Lower Upper
129 100
127 78.3 38.9 116.7





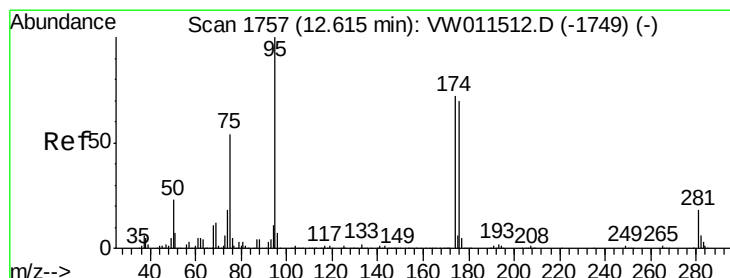
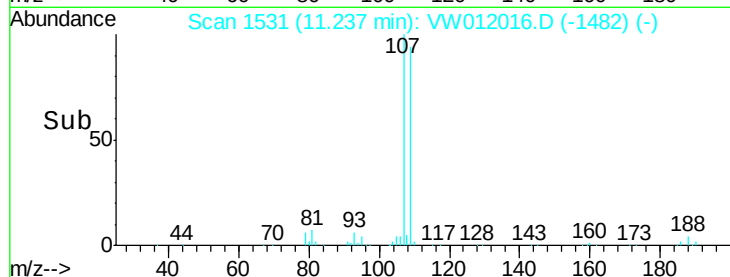
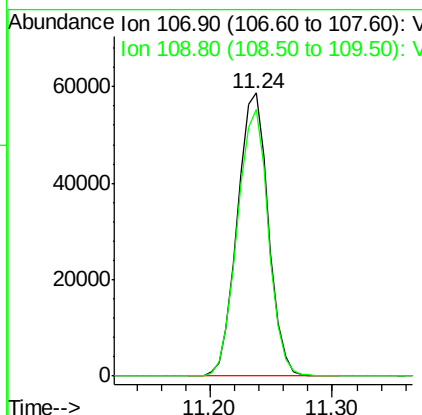
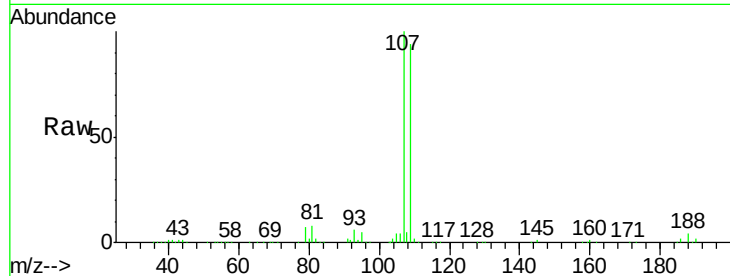
#61
 1,2-Dibromoethane
 Concen: 52.345 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW012016.D
 Acq: 20 Aug 2019 02:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	75.0	112.6

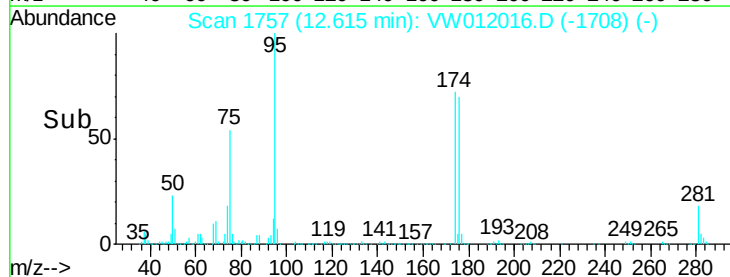
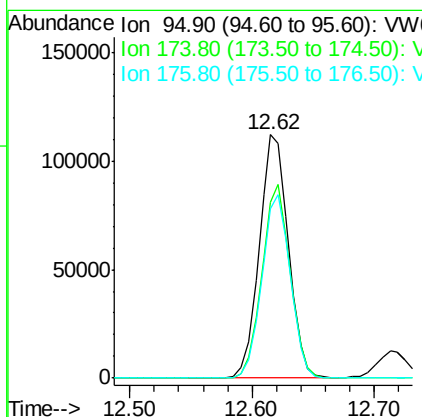
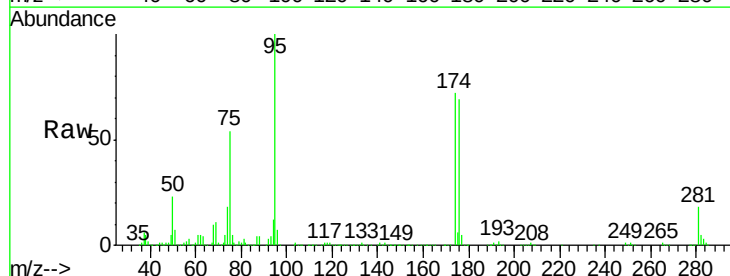
Manual Integrations
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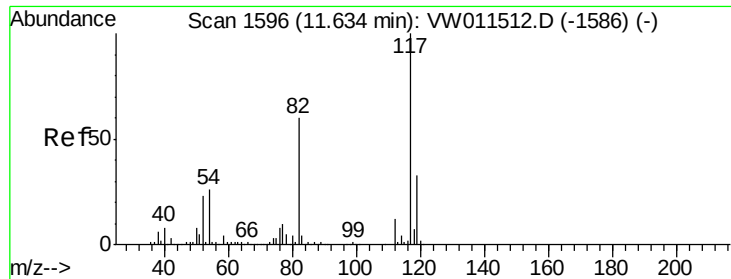
MMDadoda
 8/20/2019 9:55:23 AM



#62
 4-Bromofluorobenzene
 Concen: 54.748 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012016.D
 Acq: 20 Aug 2019 02:56

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.0	0.0	150.2
176	73.7	0.0	144.4





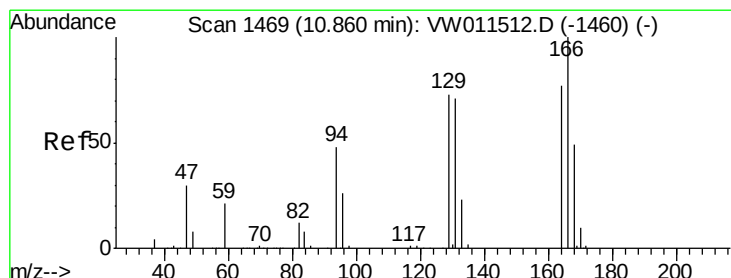
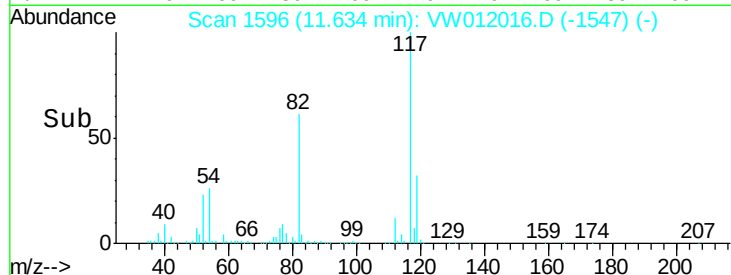
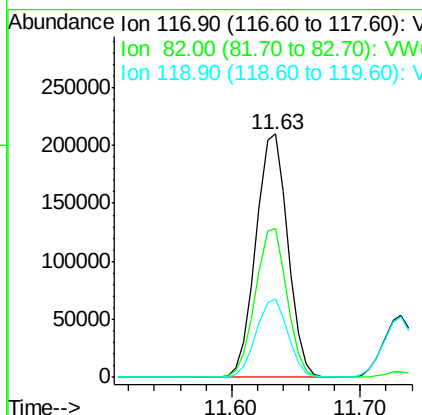
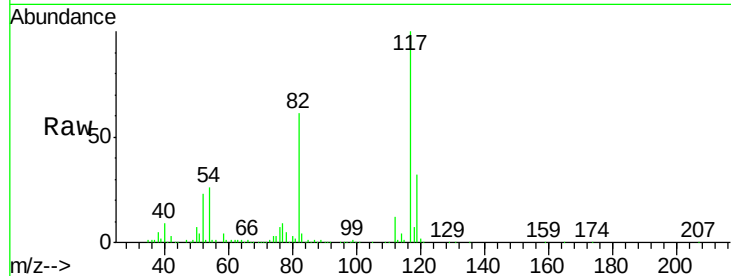
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012016.D
Acq: 20 Aug 2019 02:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	358805		
82	61.0	47.9	71.9	
119	32.0	26.2	39.2	

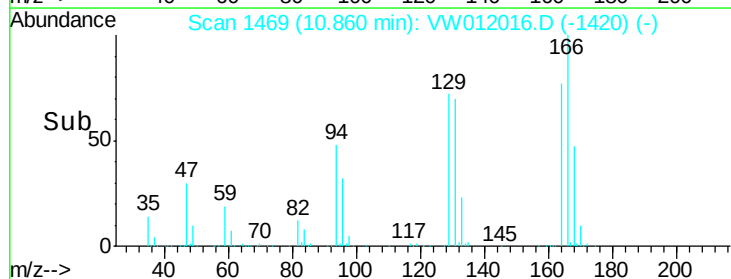
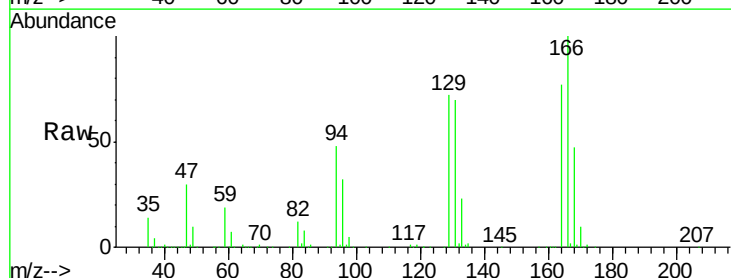
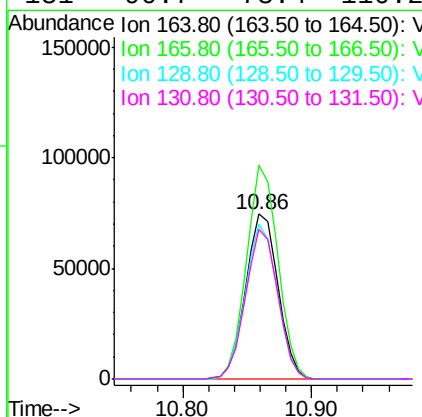
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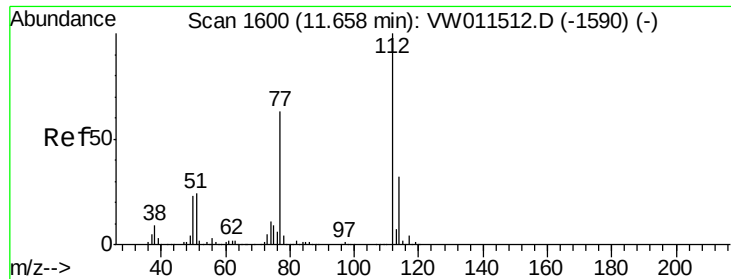
MMDadoda
8/20/2019 9:55:23 AM



#64
Tetrachloroethene
Concen: 55.227 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012016.D
Acq: 20 Aug 2019 02:56

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	129022		
166	129.5	103.5	155.3	
129	93.7	75.2	112.8	
131	90.7	73.4	110.2	





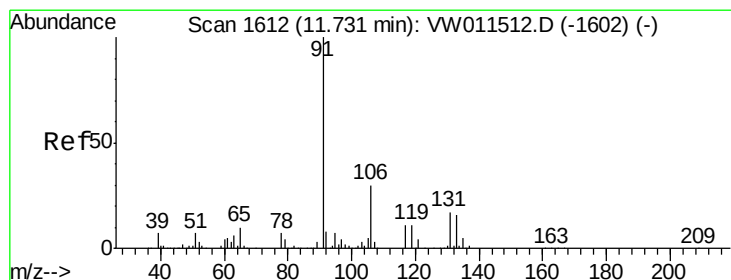
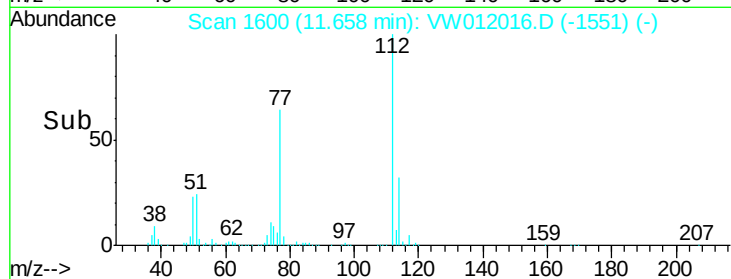
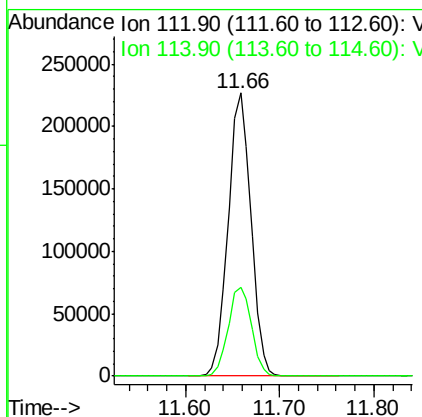
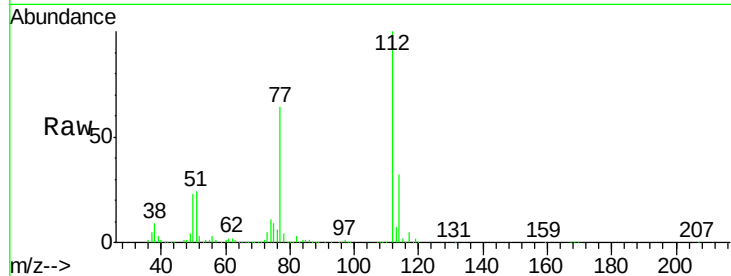
#65
Chlorobenzene
Concen: 52.819 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012016.D
Acq: 20 Aug 2019 02:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.6	38.4

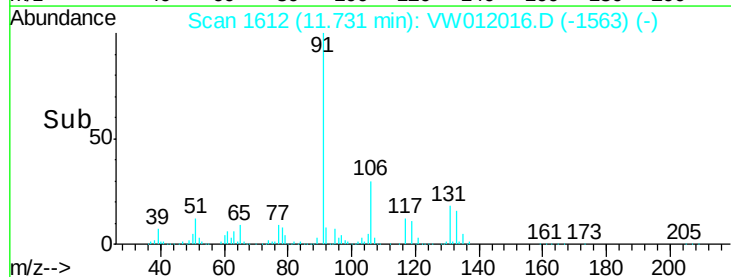
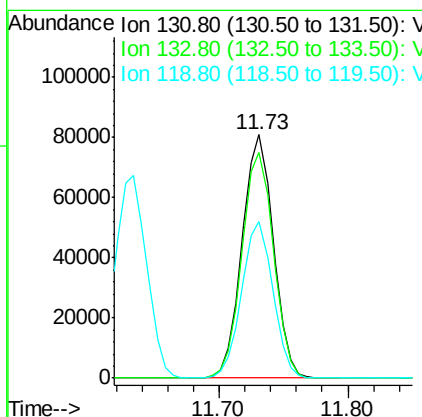
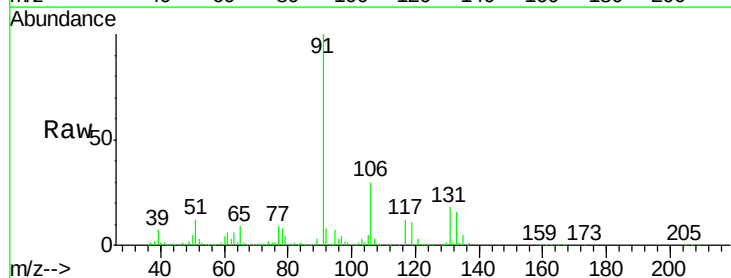
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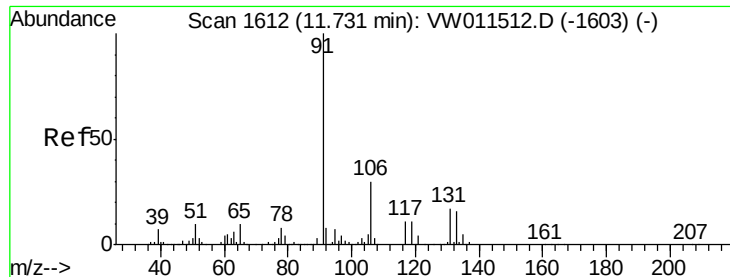
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.905 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012016.D
Acq: 20 Aug 2019 02:56

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.1	47.4	142.2
119	64.6	32.3	96.9





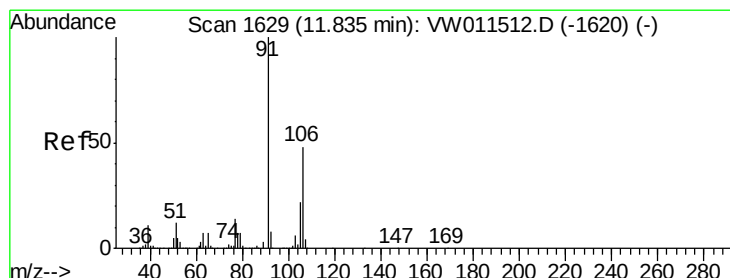
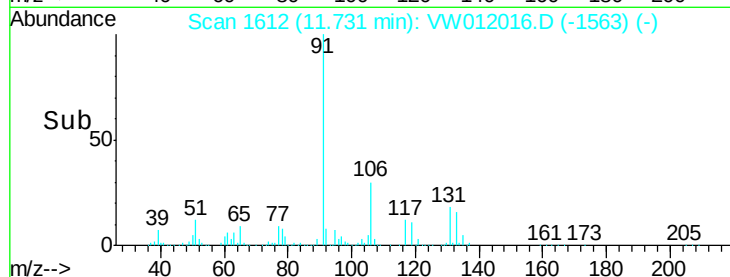
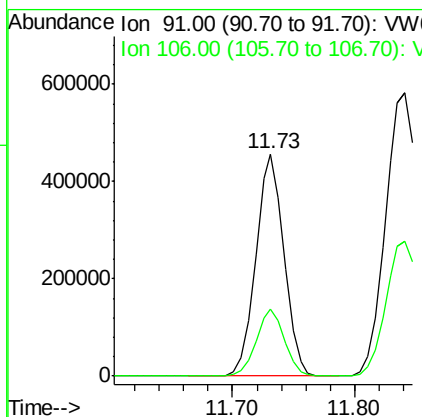
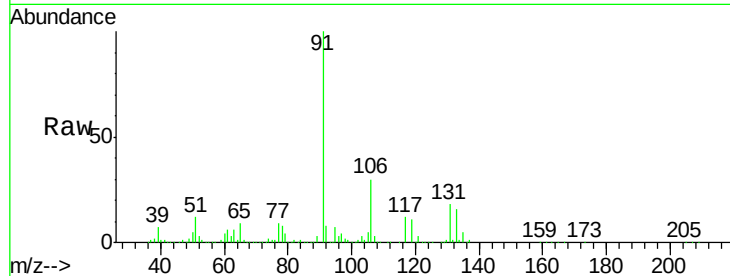
#67
Ethyl Benzene
Concen: 53.171 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012016.D
Acq: 20 Aug 2019 02:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 730500
Ion Ratio Lower Upper
91 100
106 29.9 23.8 35.6

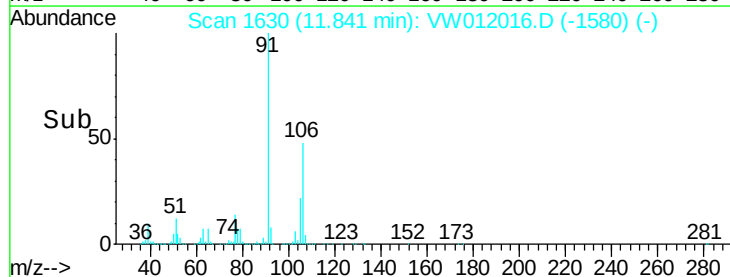
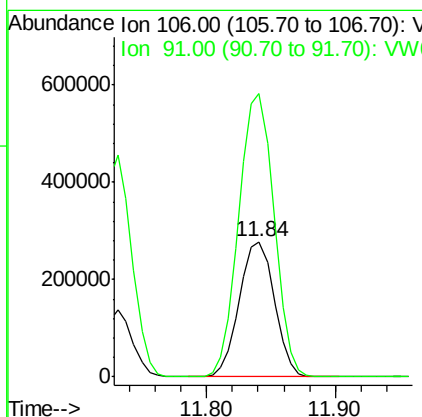
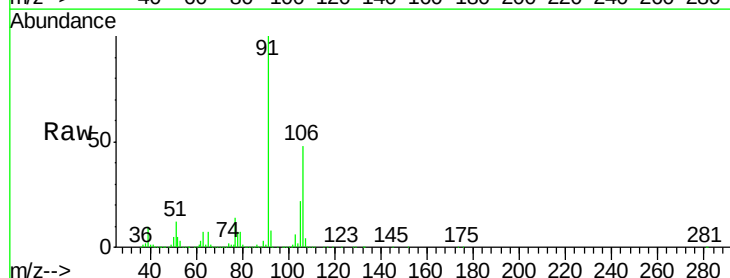
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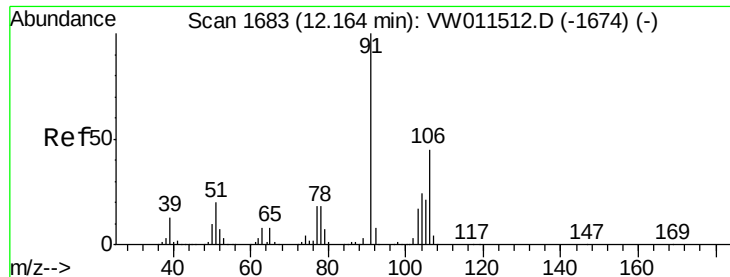
MMDadoda
8/20/2019 9:55:23 AM



#68
m/p-Xylenes
Concen: 105.289 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW012016.D
Acq: 20 Aug 2019 02:56

Tgt Ion: 106 Resp: 526062
Ion Ratio Lower Upper
106 100
91 210.0 168.2 252.2





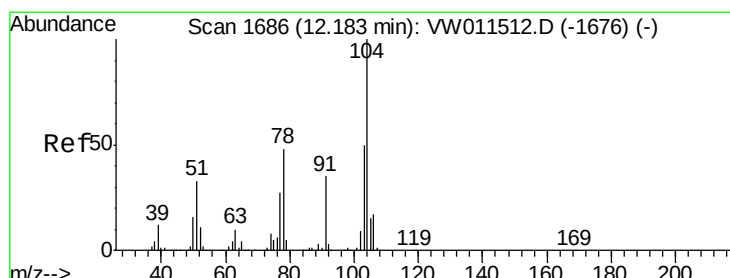
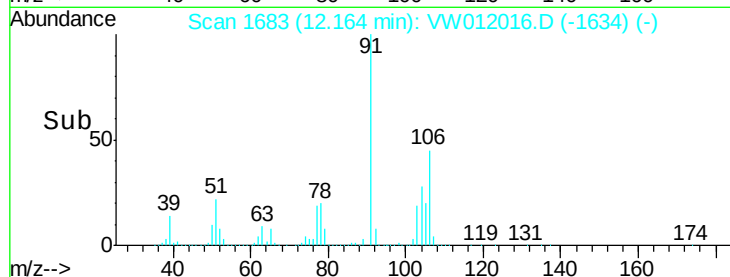
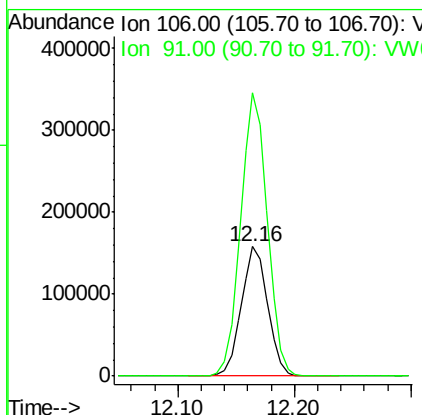
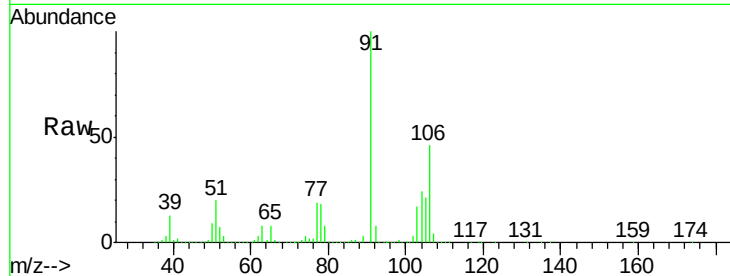
#69
o-Xylene
Concen: 53.931 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012016.D
Acq: 20 Aug 2019 02:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	220.1	110.5	331.5

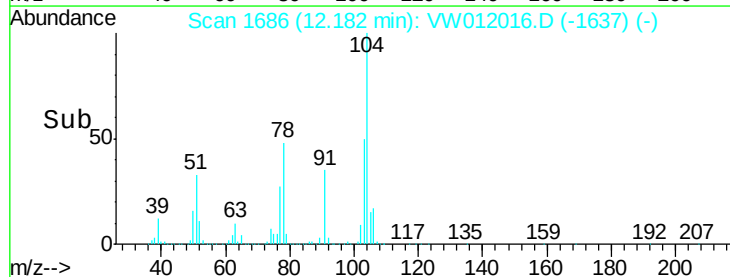
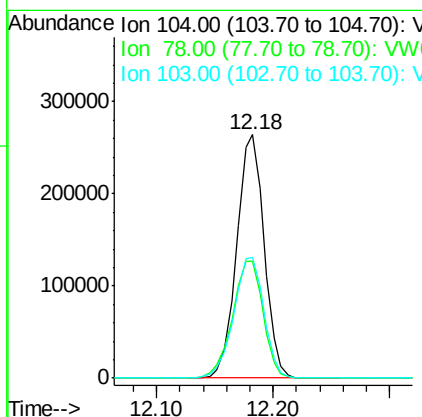
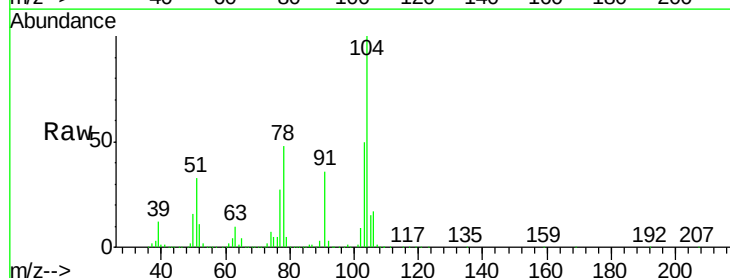
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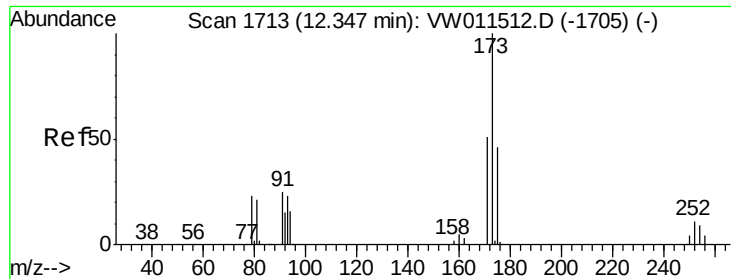
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#70
Styrene
Concen: 54.122 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012016.D
Acq: 20 Aug 2019 02:56

Tgt Ion	Ratio	Lower	Upper
104	100		
78	53.5	43.4	65.0
103	54.4	43.9	65.9





#71

Bromoform

Concen: 54.062 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012016.D

Acq: 20 Aug 2019 02:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 69261

Ion Ratio Lower Upper

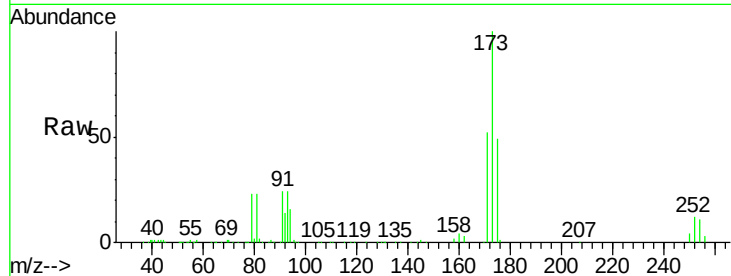
173 100

175 49.6 23.6 71.0

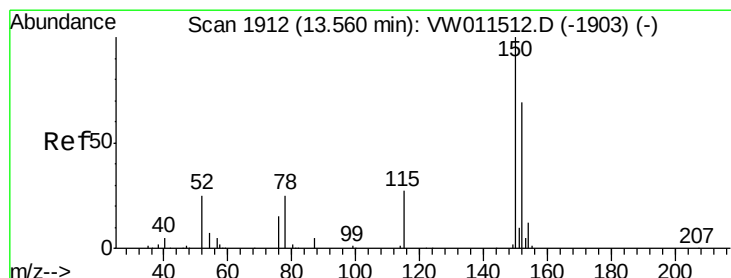
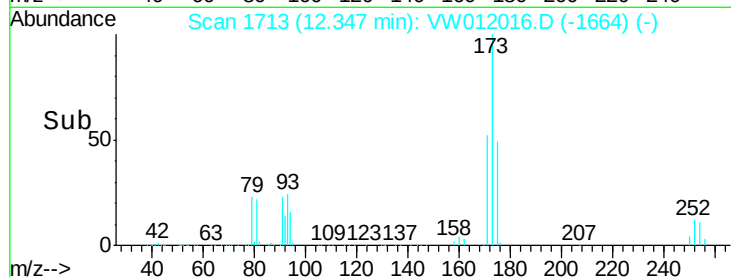
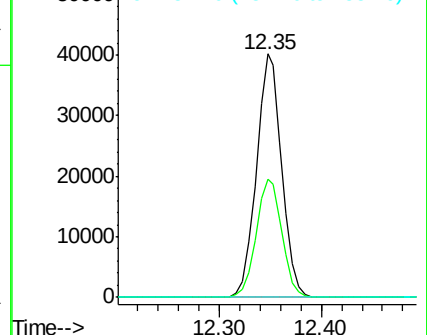
254 0.1 0.1 0.1

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012016.D

Acq: 20 Aug 2019 02:56

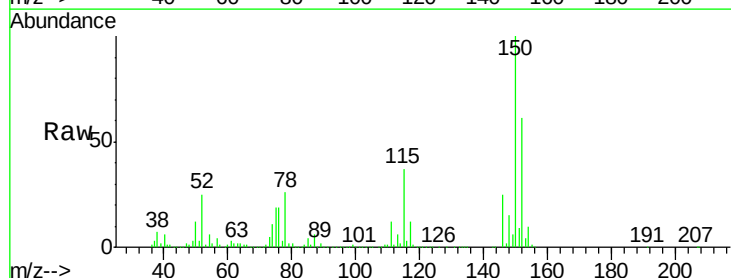
Tgt Ion:152 Resp: 165145

Ion Ratio Lower Upper

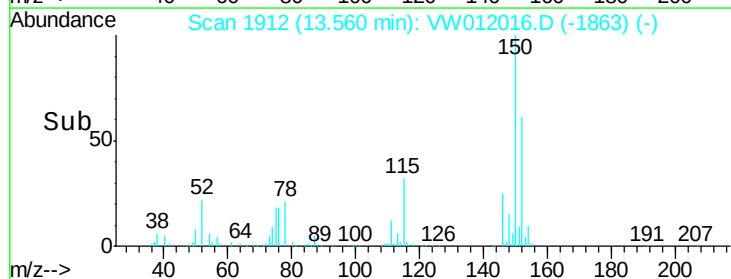
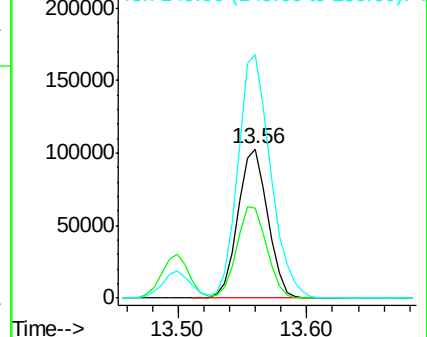
152 100

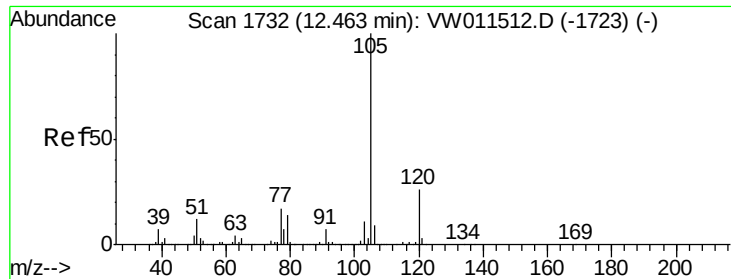
115 61.9 30.5 91.5

150 178.7 0.0 352.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





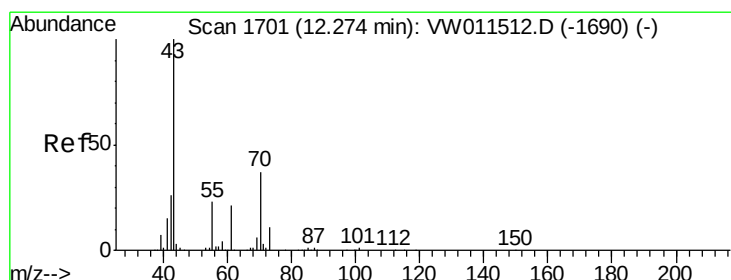
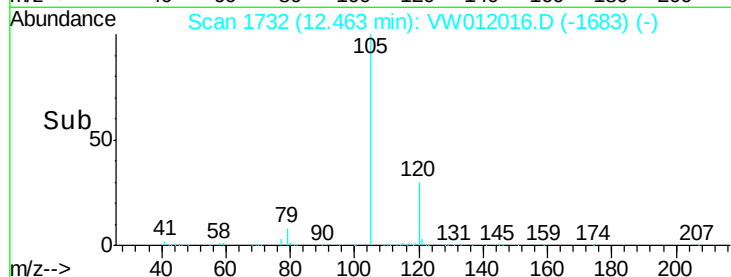
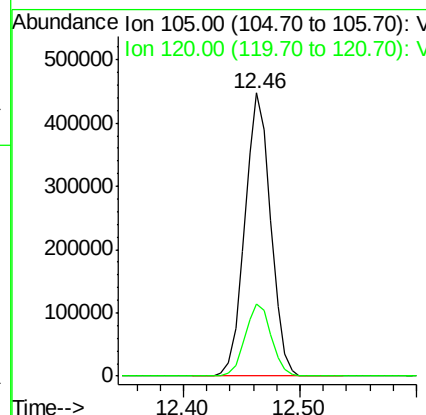
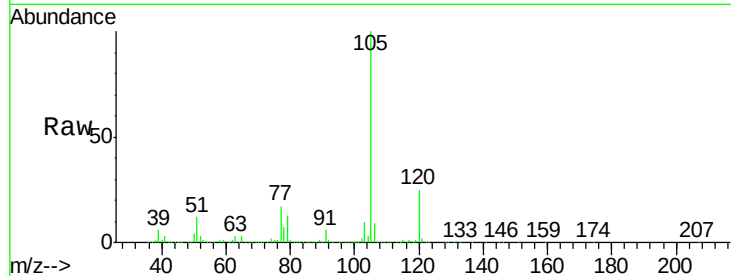
#73
Isopropylbenzene
Concen: 56.008 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW012016.D
Acq: 20 Aug 2019 02:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.9	38.7

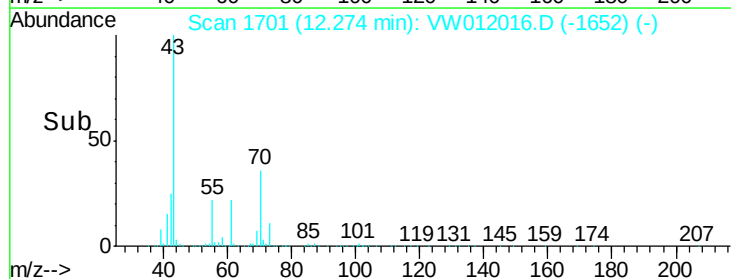
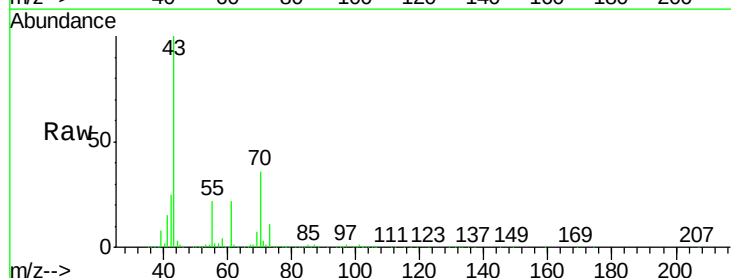
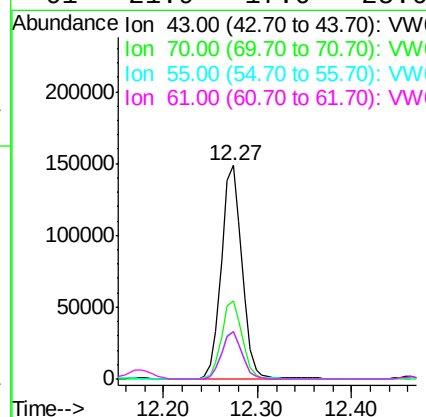
Manual Integrations
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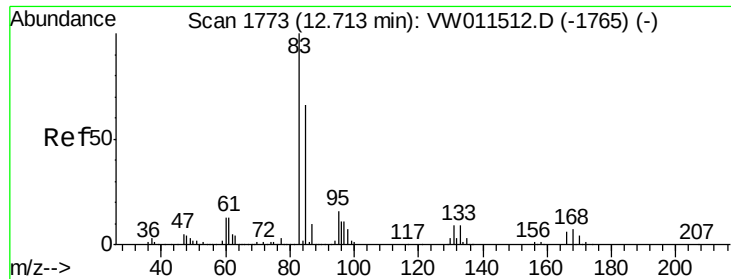
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#74
N-ethyl acetate
Concen: 58.306 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW012016.D
Acq: 20 Aug 2019 02:56

Tgt Ion	Ratio	Lower	Upper
43	100		
70	36.5	28.6	43.0
55	22.6	17.8	26.8
61	21.9	17.0	25.6





#75

1,1,2,2-Tetrachloroethane

Concen: 56.745 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012016.D

Acq: 20 Aug 2019 02:56

Instrument :

MSVOA_W

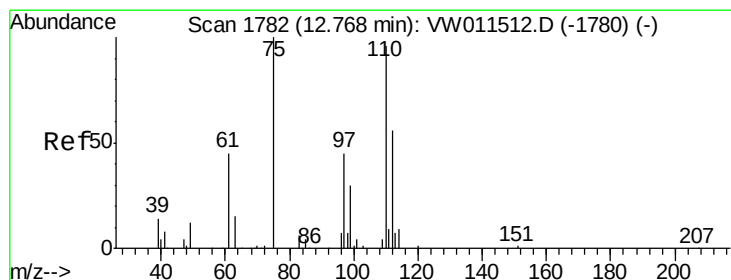
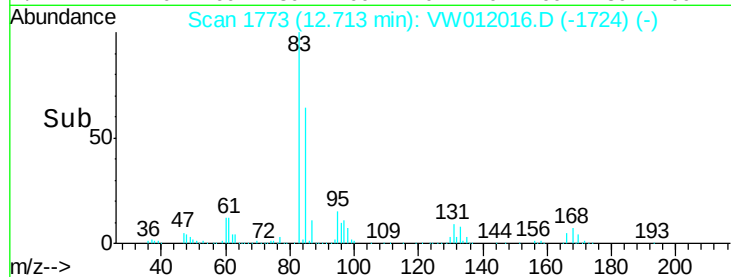
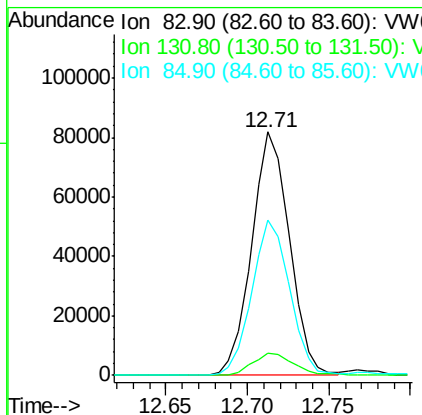
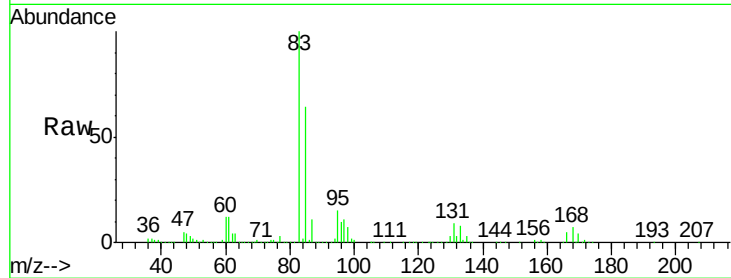
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	131502
Ion Ratio	Lower	Upper	
83	100		
131	10.1	4.9	14.6
85	64.2	31.8	95.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 51.016 ug/l m

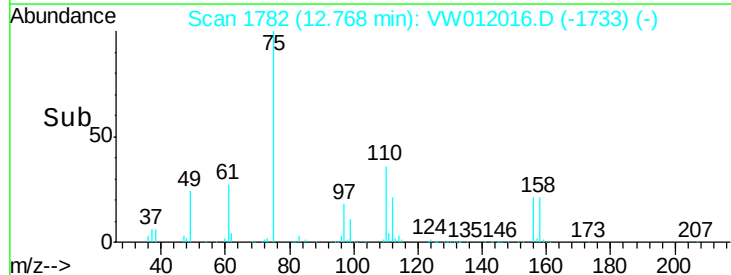
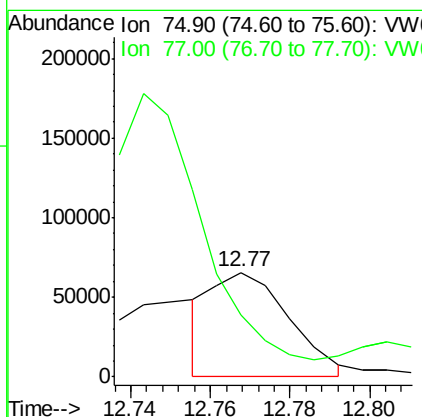
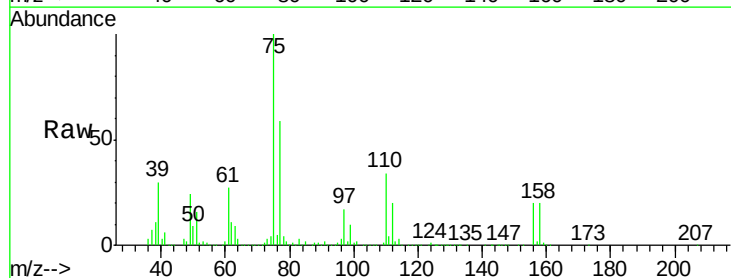
RT: 12.77 min Scan# 1782

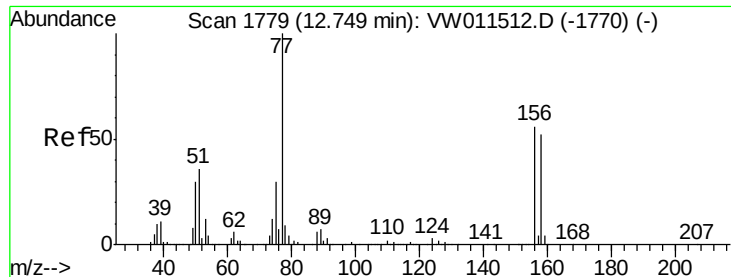
Delta R.T. -0.00 min

Lab File: VW012016.D

Acq: 20 Aug 2019 02:56

Tgt Ion:	75	Resp:	89147
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





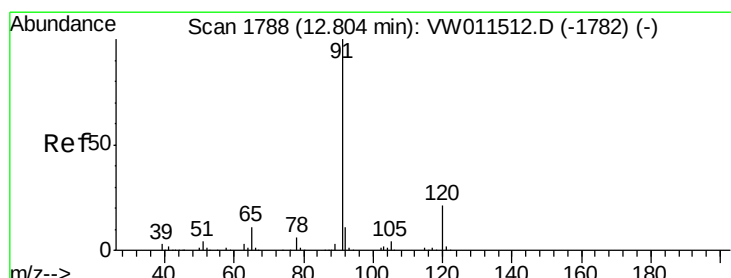
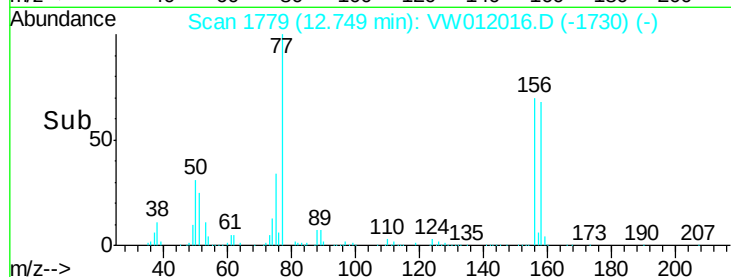
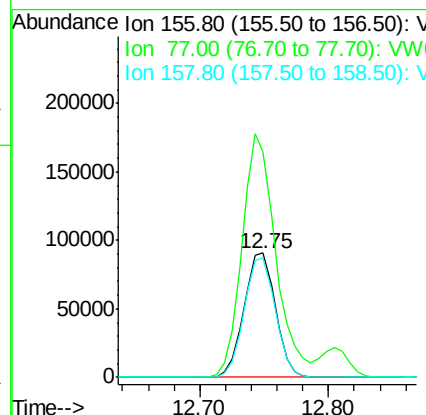
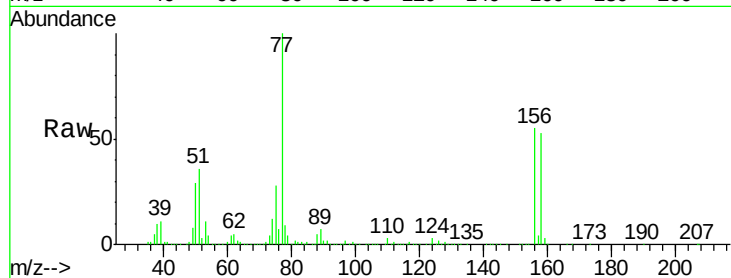
#77
Bromobenzene
Concen: 56.034 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW012016.D
Acq: 20 Aug 2019 02:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	210.2	106.5	319.4
158	95.7	48.0	144.2

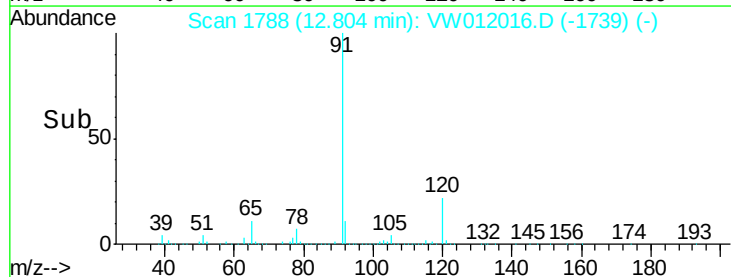
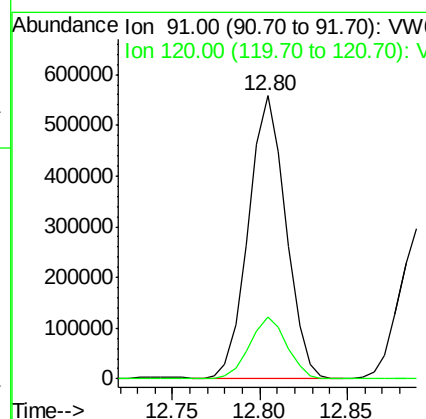
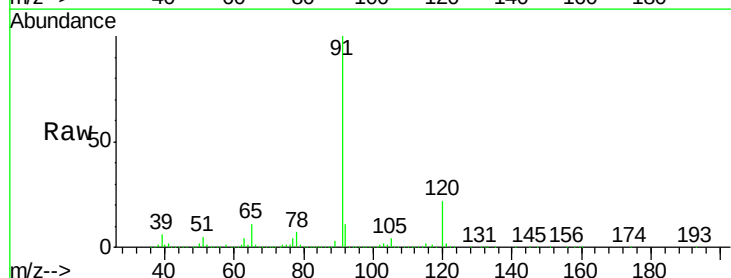
Manual Integrations
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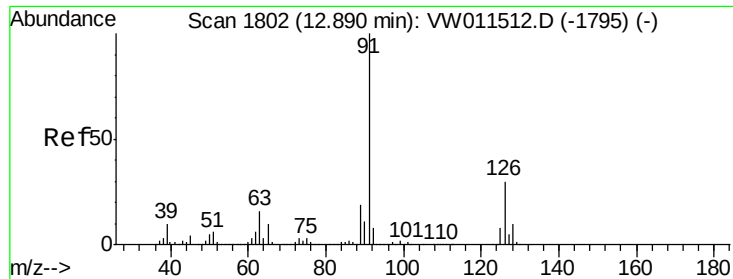
MMDadoda
8/20/2019 9:55:23 AM



#78
n-propylbenzene
Concen: 55.351 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW012016.D
Acq: 20 Aug 2019 02:56

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.9	10.9	32.7





#79

2-Chlorotoluene

Concen: 55.146 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012016.D

Acq: 20 Aug 2019 02:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 476349

Ion Ratio Lower Upper

91 100

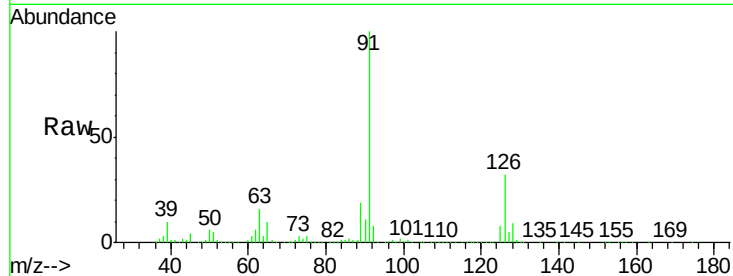
126 31.5 15.7 47.1

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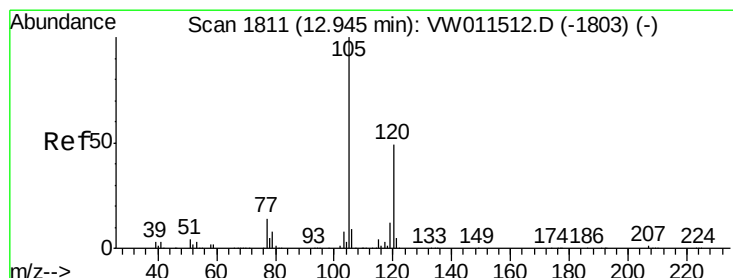
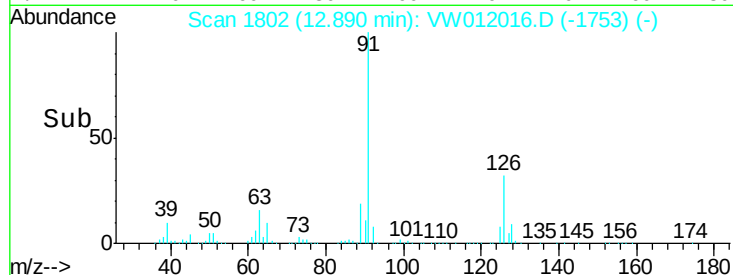
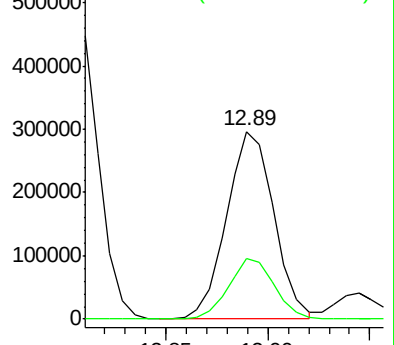
MMDadoda

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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: 55.919 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012016.D

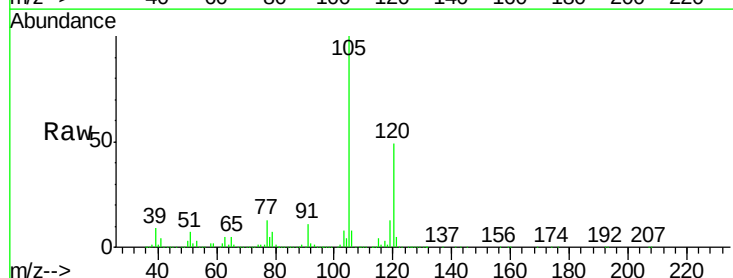
Acq: 20 Aug 2019 02:56

Tgt Ion:105 Resp: 577498

Ion Ratio Lower Upper

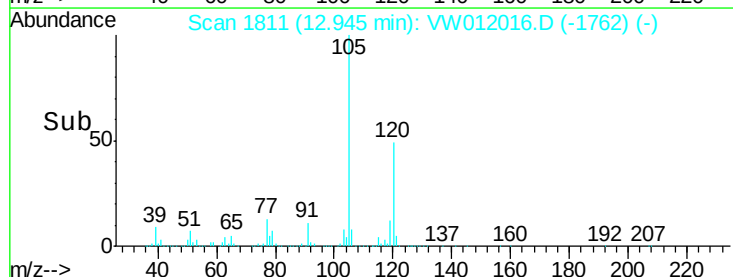
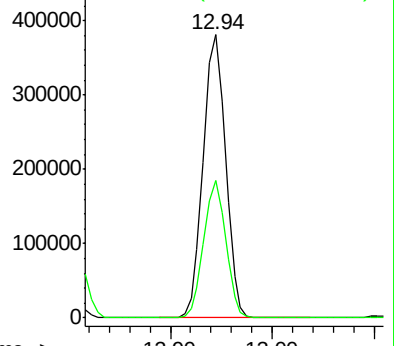
105 100

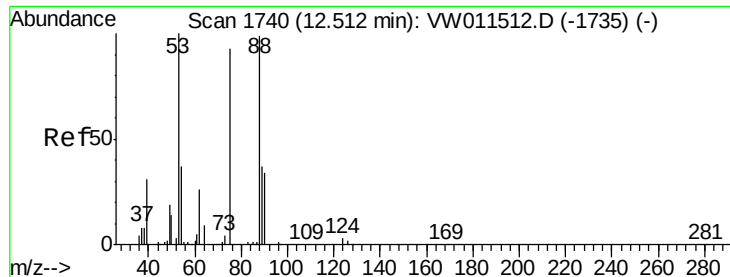
120 48.1 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





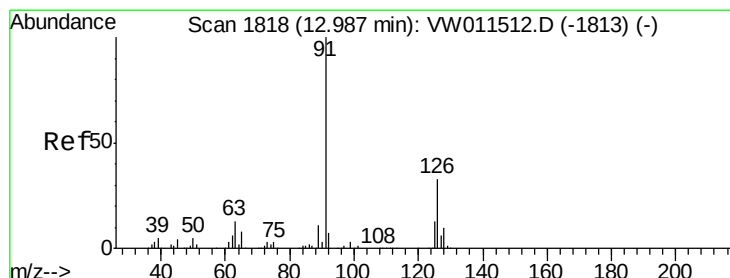
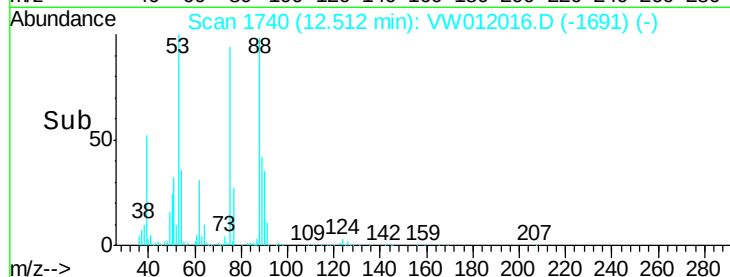
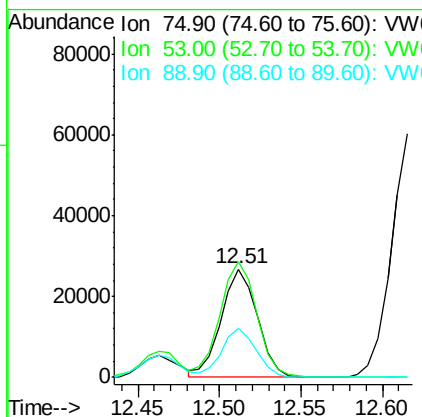
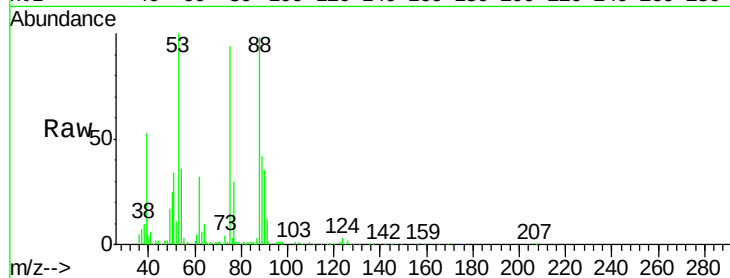
#81
trans-1,4-Dichloro-2-butene
Concen: 54.329 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW012016.D
Acq: 20 Aug 2019 02:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	108.2	88.0	132.0
89	43.3	35.3	52.9

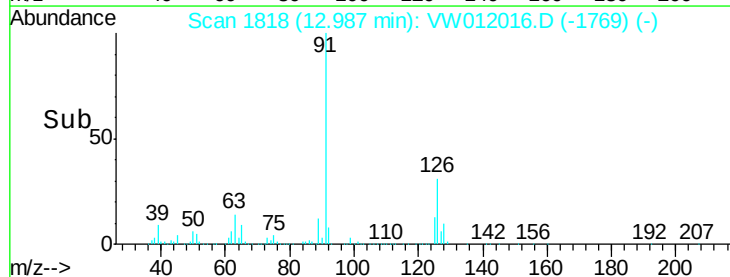
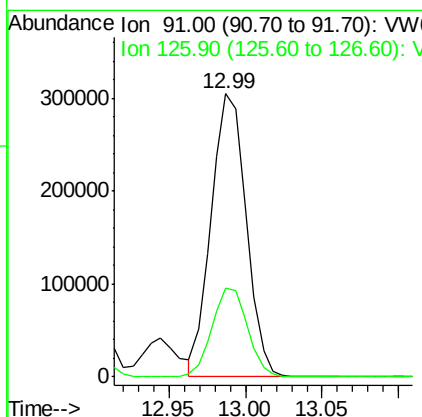
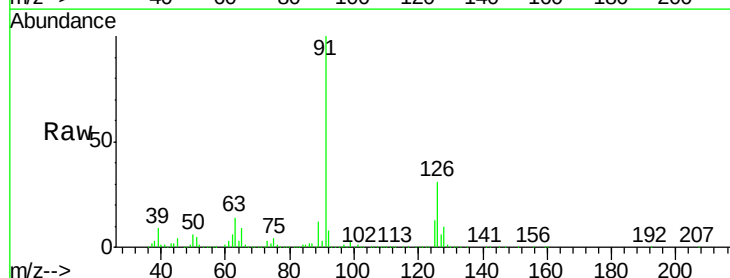
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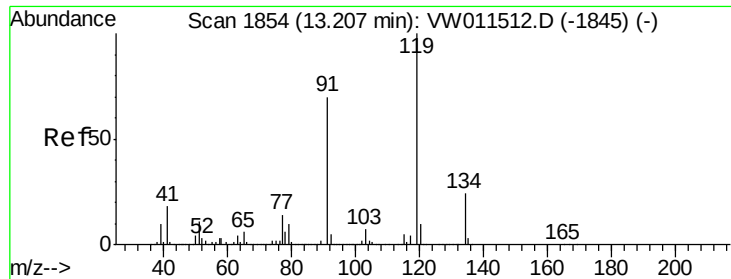
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#82
4-Chlorotoluene
Concen: 53.414 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW012016.D
Acq: 20 Aug 2019 02:56

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.0	15.6	46.8





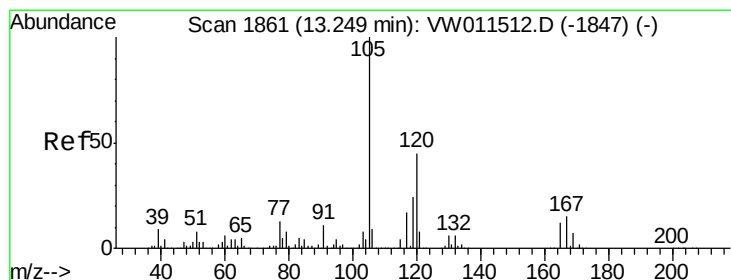
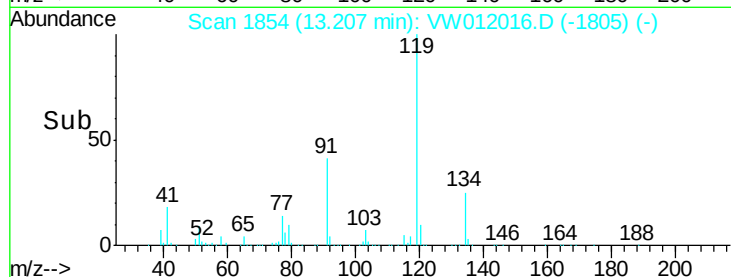
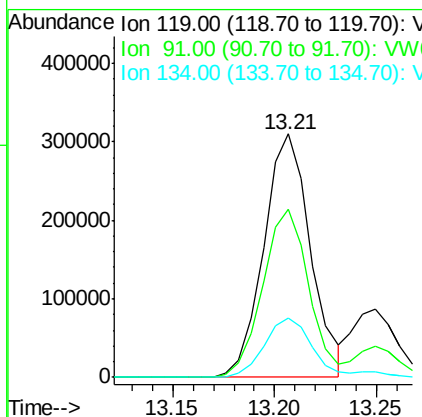
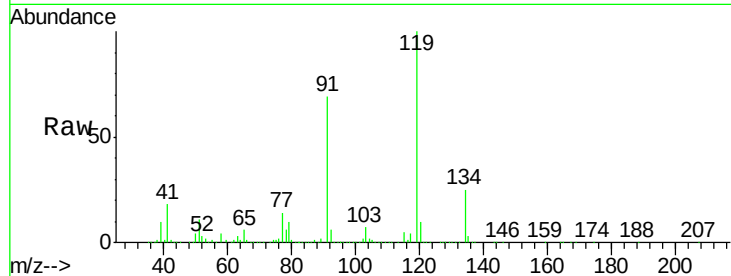
#83
 tert-Butylbenzene
 Concen: 57.319 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW012016.D
 Acq: 20 Aug 2019 02:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.9	34.5	103.6
134	26.4	12.4	37.4

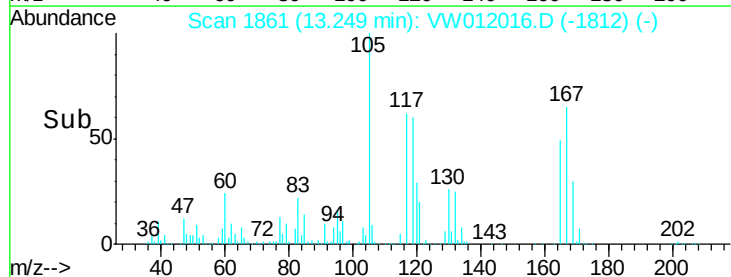
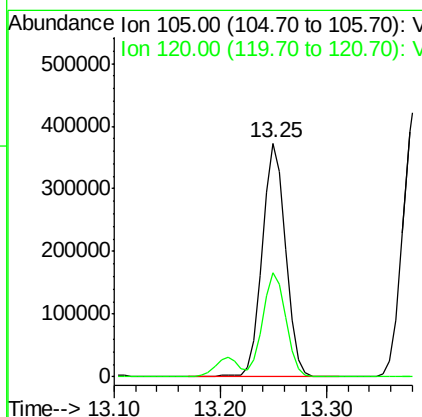
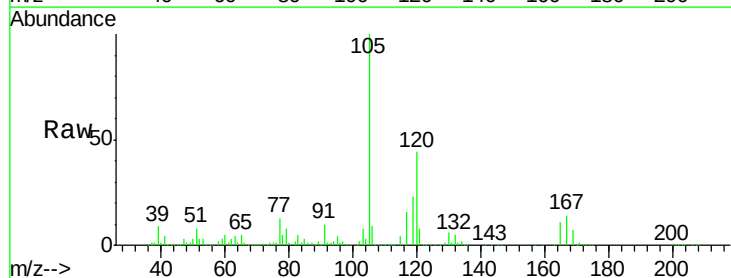
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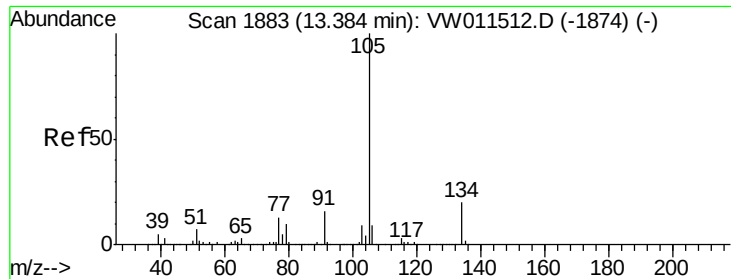
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#84
 1,2,4-Trimethylbenzene
 Concen: 55.323 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW012016.D
 Acq: 20 Aug 2019 02:56

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.1	66.5





#85

sec-Butylbenzene

Concen: 56.267 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012016.D

Acq: 20 Aug 2019 02:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 693371

Ion Ratio Lower Upper

105 100

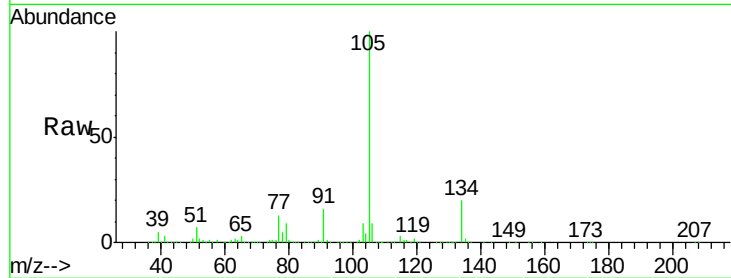
134 19.6 9.7 29.1

Manual Integrations

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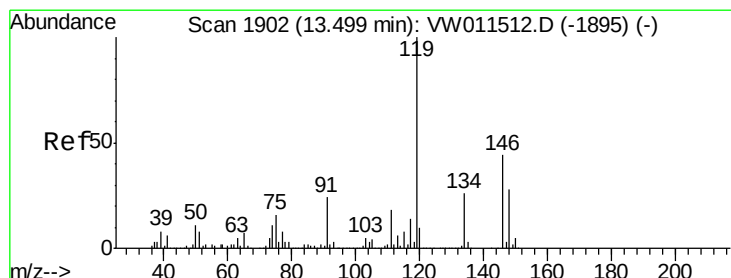
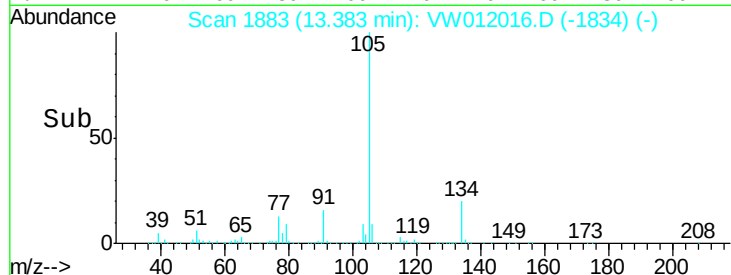
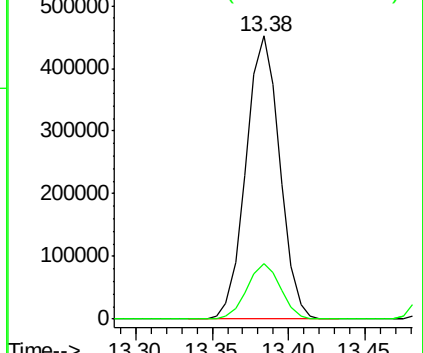
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 55.103 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012016.D

Acq: 20 Aug 2019 02:56

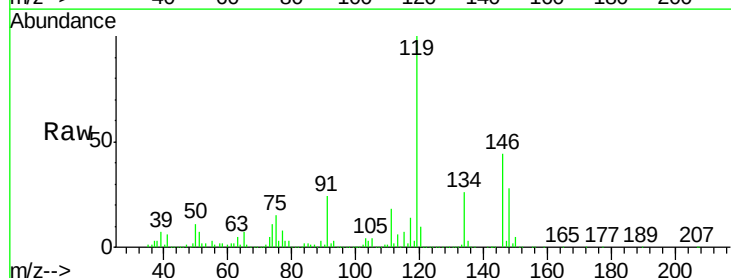
Tgt Ion:119 Resp: 616092

Ion Ratio Lower Upper

119 100

134 25.8 12.8 38.4

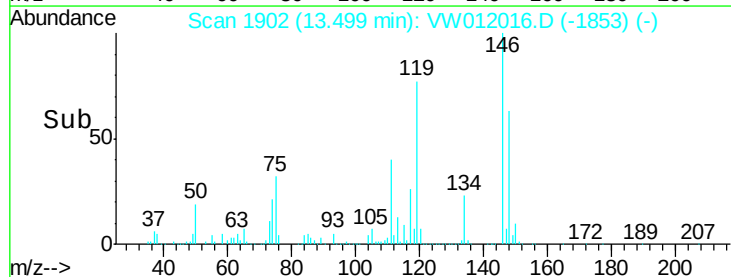
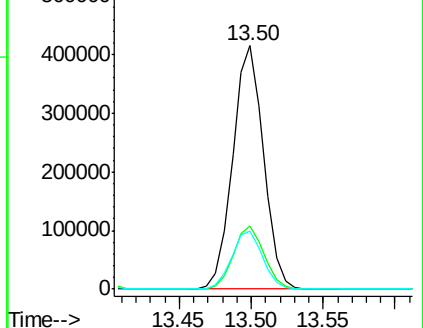
91 24.1 12.1 36.3

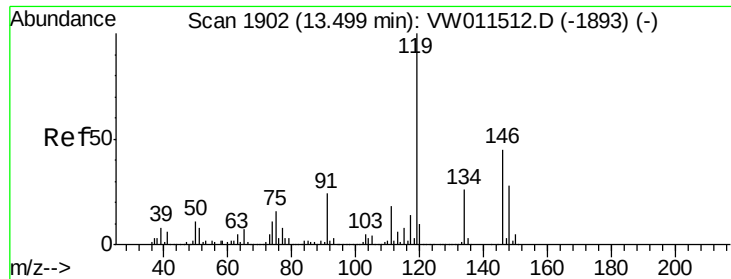


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





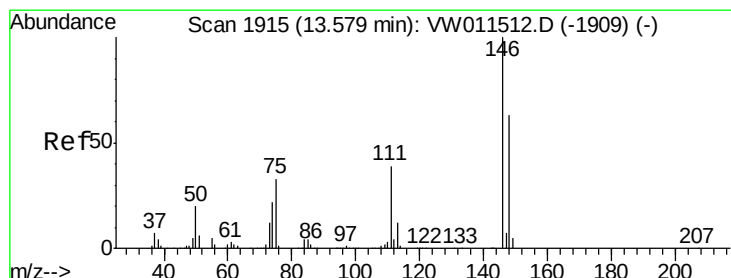
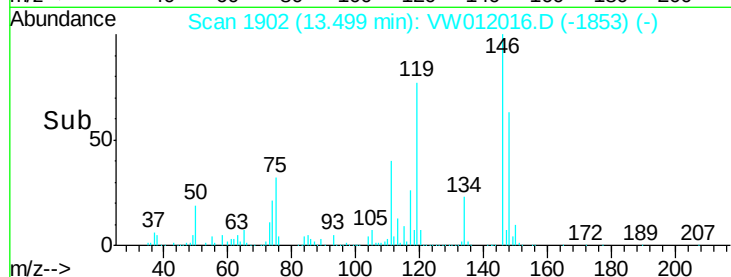
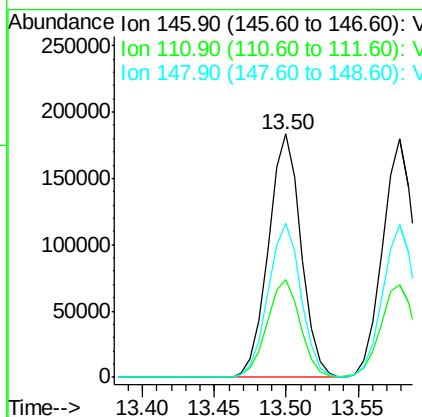
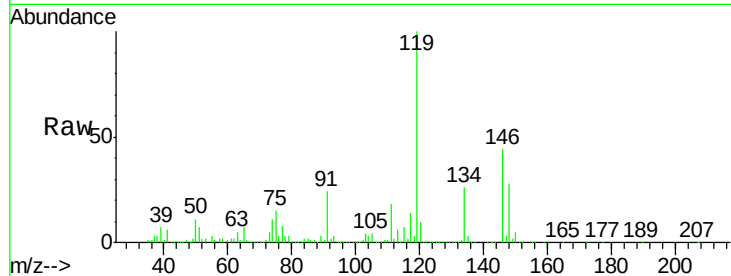
#87
 1,3-Dichlorobenzene
 Concen: 54.049 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012016.D
 Acq: 20 Aug 2019 02:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	288596		
111	40.8	20.5	61.6	
148	63.8	31.8	95.3	

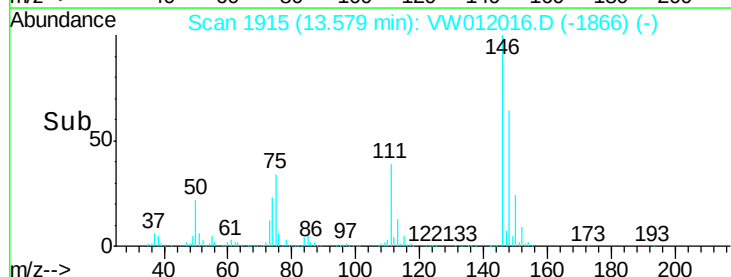
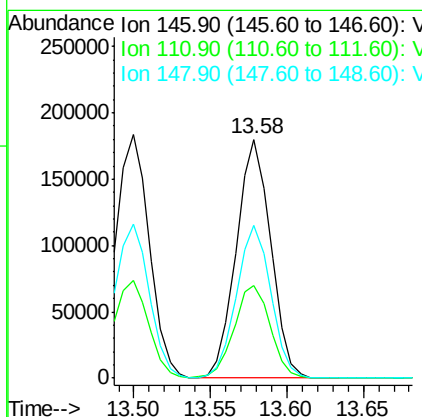
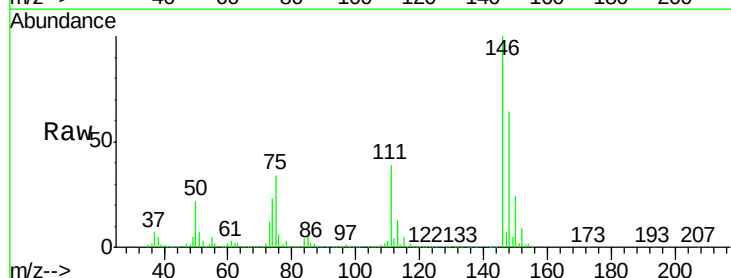
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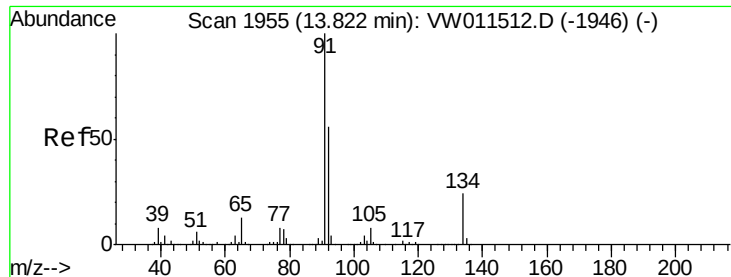
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#88
 1,4-Dichlorobenzene
 Concen: 53.114 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012016.D
 Acq: 20 Aug 2019 02:56

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	282118		
111	40.5	20.1	60.2	
148	63.9	31.9	95.9	





#89

n-Butylbenzene

Concen: 53.677 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW012016.D

Acq: 20 Aug 2019 02:56

Instrument :

MSVOA_W

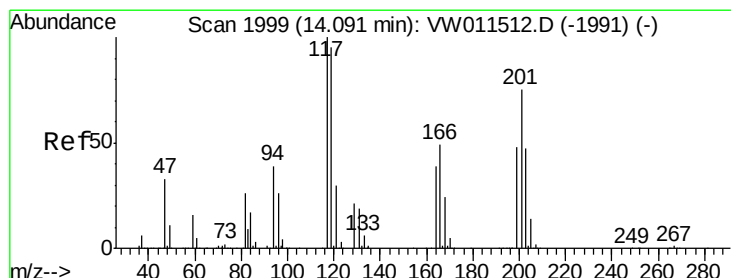
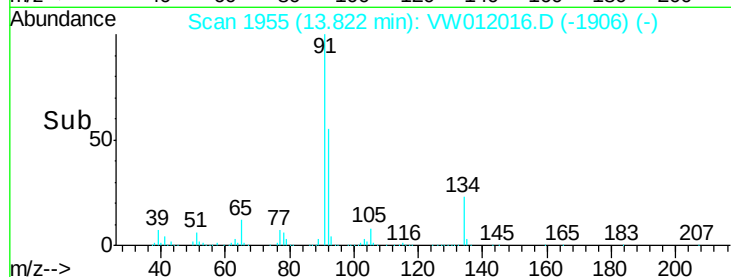
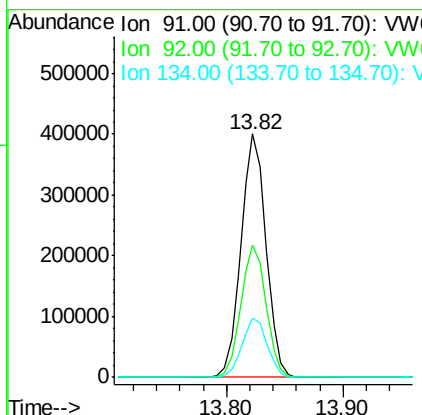
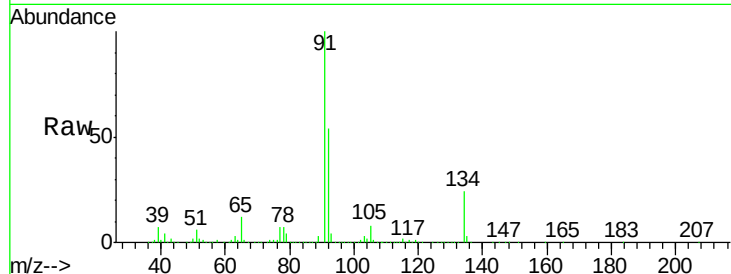
ClientSampleId :

VSTDCCC050EC

Tot Ion:	91	Resp:	598913
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: 56.624 ug/l

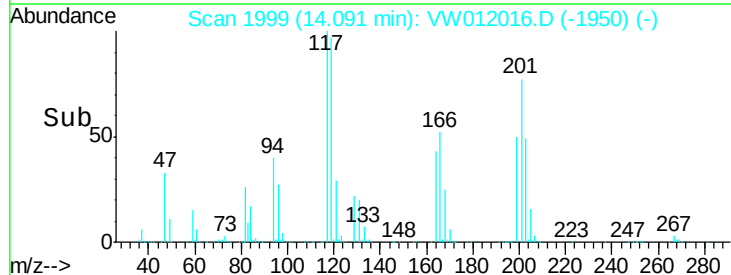
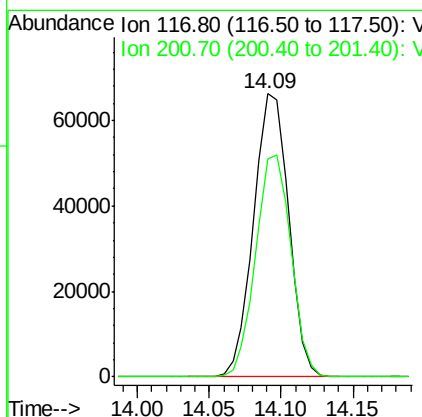
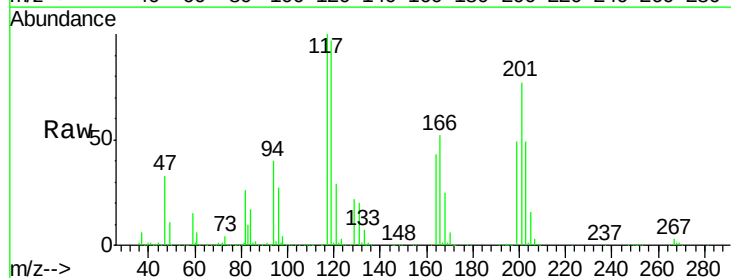
RT: 14.09 min Scan# 1999

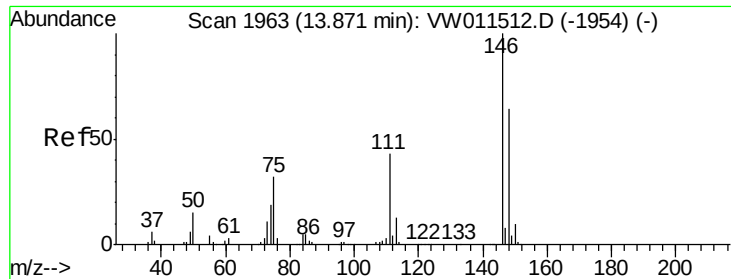
Delta R.T. -0.00 min

Lab File: VW012016.D

Acq: 20 Aug 2019 02:56

Tgt Ion:	117	Resp:	111950
Ion	Ratio	Lower	Upper
117	100		
201	78.7	39.4	118.2





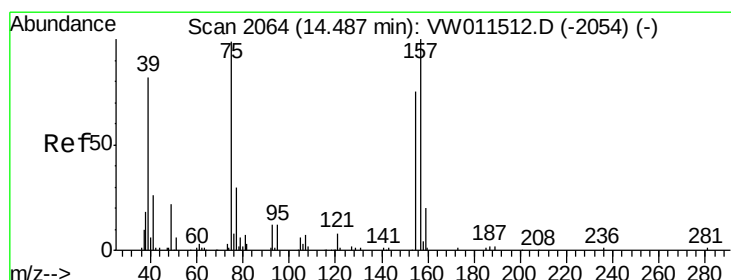
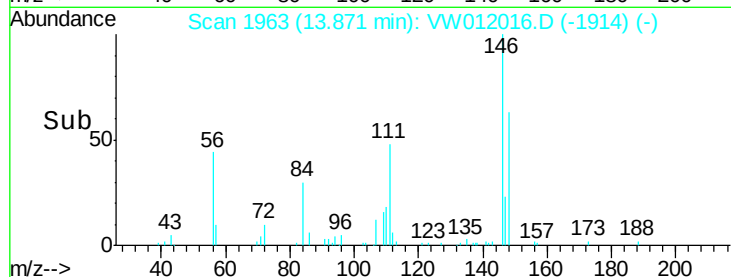
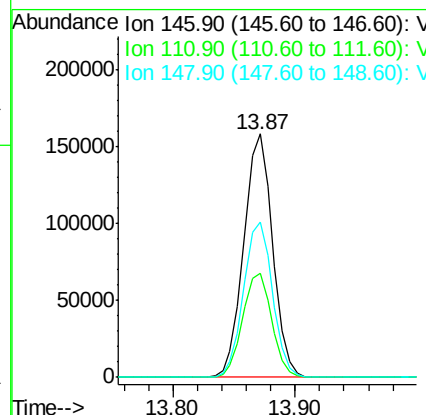
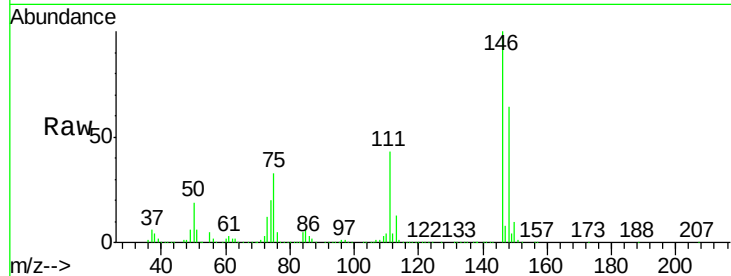
#91
 1,2-Dichlorobenzene
 Concen: 54.699 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012016.D
 Acq: 20 Aug 2019 02:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.6	65.0
148	64.4	32.0	96.2

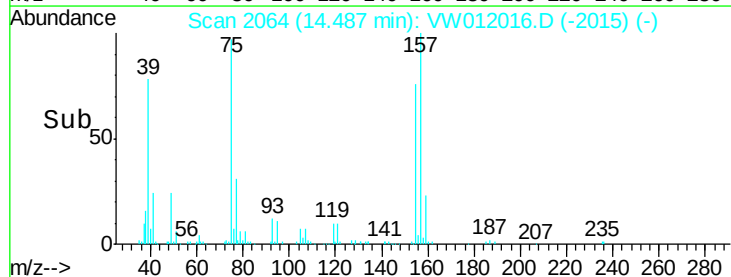
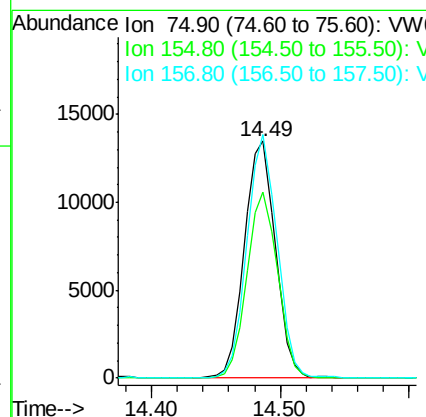
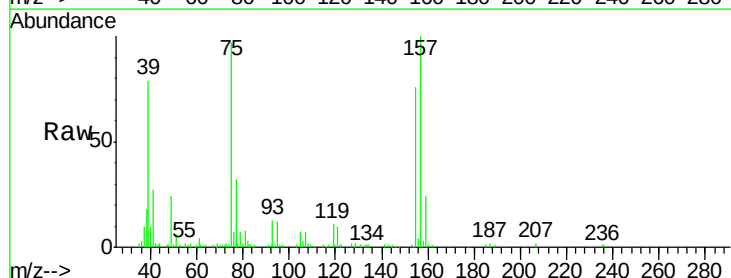
Manual Integrations
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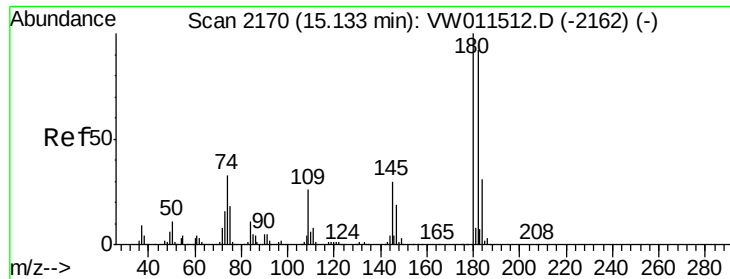
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.594 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW012016.D
 Acq: 20 Aug 2019 02:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.5	38.2	114.6
157	100.2	48.9	146.7





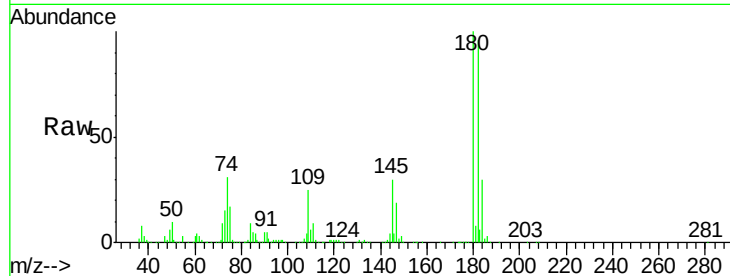
#93
 1,2,4-Trichlorobenzene
 Concen: 54.618 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012016.D
 Acq: 20 Aug 2019 02:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

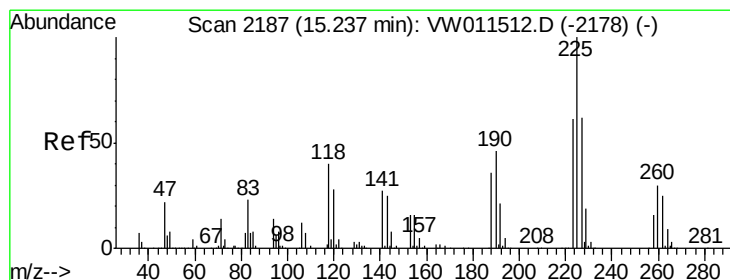
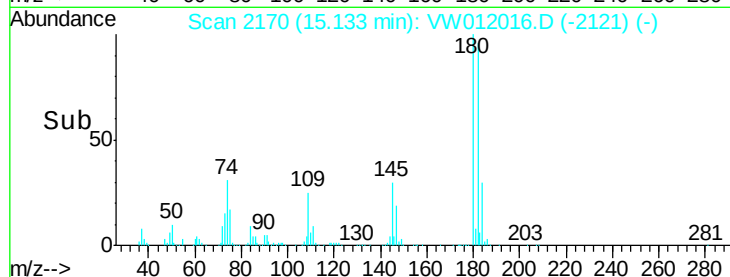
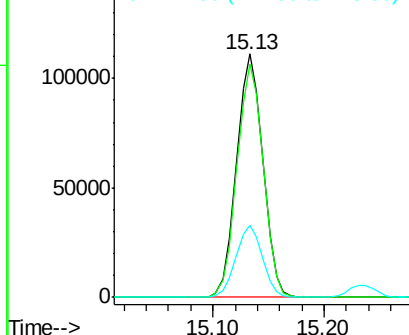
Tot Ion	Ratio	Resp	Lower	Upper
180	100	181785		
182	95.7	47.4	142.2	
145	29.7	15.4	46.1	

Manual Integrations
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MMDadoda
 8/20/2019 9:55:23 AM

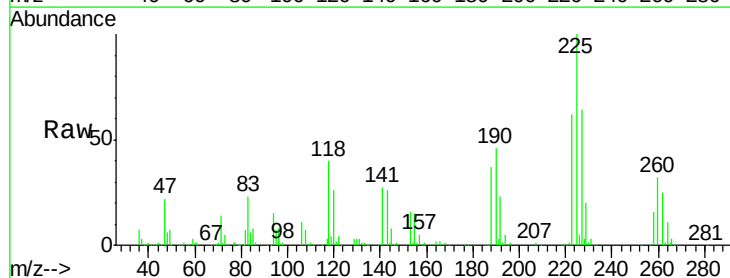


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

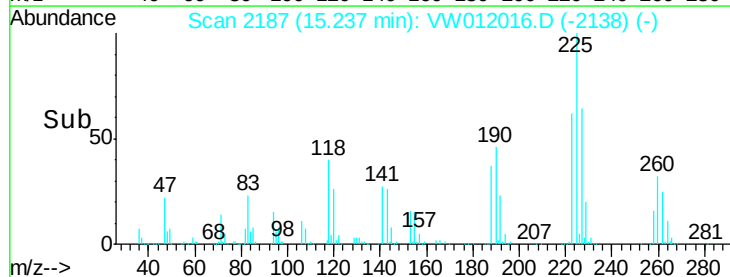
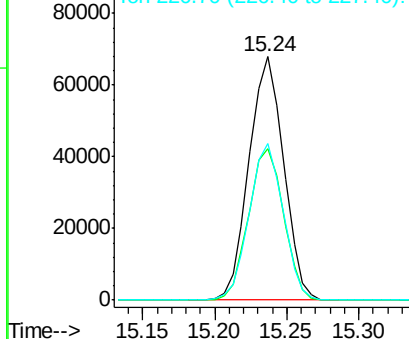


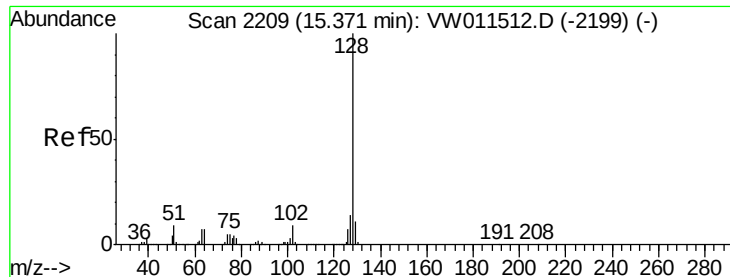
#94
 Hexachlorobutadiene
 Concen: 54.452 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012016.D
 Acq: 20 Aug 2019 02:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	113019		
223	62.9	30.8	92.3	
227	63.0	31.6	94.7	



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





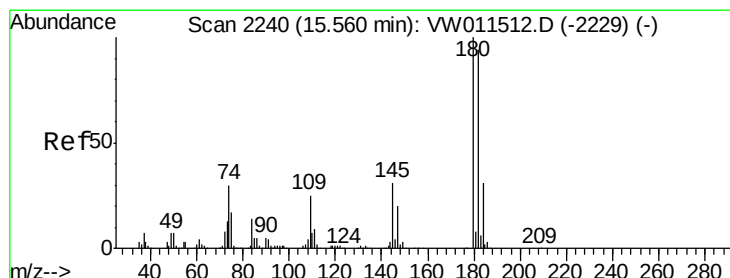
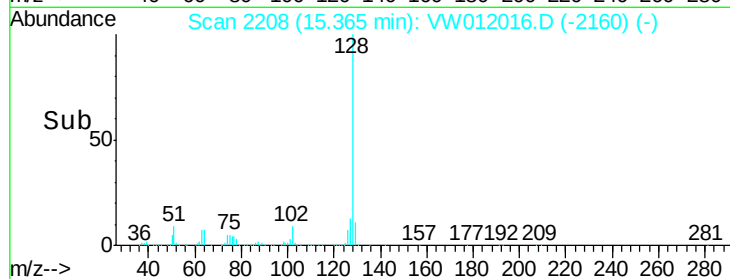
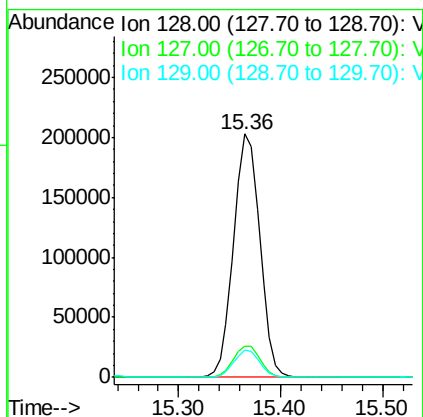
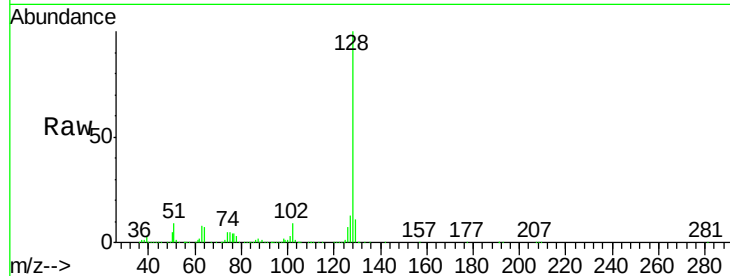
#95
Naphthalene
Concen: 55.122 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW012016.D
Acq: 20 Aug 2019 02:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	16.0
129	10.8	8.6	13.0

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 56.226 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012016.D
Acq: 20 Aug 2019 02:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	47.4	142.2
145	31.1	15.9	47.7

