

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082019\
 Data File : VW012021.D
 Acq On : 20 Aug 2019 10:43
 Operator : SY/VA
 Sample : VW0820SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0820SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/21/2019 8:28:52 AM

Quant Time: Aug 20 12:52:05 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	283361	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	455397	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	391851	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	187378	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	160968	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	
35) Dibromofluoromethane	7.88	113	133658	52.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.64%	
50) Toluene-d8	10.32	98	549400	52.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.04%	
62) 4-Bromofluorobenzene	12.62	95	192014	51.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	33736	21.363	ug/l	98
3) Chloromethane	2.21	50	56873	20.769	ug/l	98
4) Vinyl Chloride	2.35	62	69305	21.022	ug/l	100
5) Bromomethane	2.76	94	35258	19.321	ug/l	96
6) Chloroethane	2.92	64	38796	20.601	ug/l	91
7) Trichlorofluoromethane	3.25	101	35463	24.069	ug/l	96
8) Diethyl Ether	3.68	74	33011	19.761	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	60095	21.501	ug/l	99
10) Methyl Iodide	4.27	142	78755	19.939	ug/l	99
11) Tert butyl alcohol	5.17	59	21460	77.032	ug/l	99
12) 1,1-Dichloroethene	4.04	96	59690	20.226	ug/l	92
13) Acrolein	3.89	56	13853	59.336	ug/l	99
14) Allyl chloride	4.67	41	127167	20.260	ug/l	100
15) Acrylonitrile	5.36	53	81369	97.574	ug/l	99
16) Acetone	4.12	43	82620	79.825	ug/l	97
17) Carbon Disulfide	4.38	76	172218	18.646	ug/l	99
18) Methyl Acetate	4.67	43	44965	19.339	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	93741	20.017	ug/l	93
20) Methylene Chloride	4.92	84	67561	18.927	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	64360	20.229	ug/l	99
22) Diisopropyl ether	6.31	45	241402	20.399	ug/l	99
23) Vinyl Acetate	6.25	43	722479	97.162	ug/l	99
24) 1,1-Dichloroethane	6.21	63	128546	20.282	ug/l	96
25) 2-Butanone	7.17	43	117407	86.689	ug/l	95
26) 2,2-Dichloropropane	7.17	77	73005	18.730	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	69881	19.957	ug/l	99
28) Bromochloromethane	7.51	49	60619	21.549	ug/l #	97
29) Tetrahydrofuran	7.52	42	73957	95.532	ug/l	99
30) Chloroform	7.68	83	117471	20.091	ug/l	100
31) Cyclohexane	7.95	56	126885	20.856	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	91982	20.656	ug/l	99
36) 1,1-Dichloropropene	8.08	75	100152	21.150	ug/l	99
37) Ethyl Acetate	7.25	43	50162	18.413	ug/l	99
38) Carbon Tetrachloride	8.07	117	83797	20.672	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	112718	21.618	ug/l	95
40) Benzene	8.32	78	270540	20.397	ug/l	99
41) Methacrylonitrile	7.48	41	31114	19.106	ug/l	100
42) 1,2-Dichloroethane	8.40	62	83391	20.081	ug/l	100
43) Isopropyl Acetate	8.43	43	97566	19.473	ug/l	99
44) Trichloroethene	9.09	130	66967	21.006	ug/l	99
45) 1,2-Dichloropropane	9.37	63	72738	20.496	ug/l	99
46) Dibromomethane	9.46	93	32175	19.863	ug/l	99
47) Bromodichloromethane	9.65	83	84096	19.792	ug/l	99
48) Methyl methacrylate	9.43	41	46336	19.253	ug/l	95
49) 1,4-Dioxane	9.45	88	9949	424.195	ug/l	92
51) 4-Methyl-2-Pentanone	10.21	43	252018	96.703	ug/l	100
52) Toluene	10.39	92	165694	20.686	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	87537	19.722	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	105000	19.896	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	46170	20.089	ug/l	99
56) Ethyl methacrylate	10.65	69	66273	19.706	ug/l	98
57) 1,3-Dichloropropane	10.93	76	86508	19.896	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.93	63	170979	111.972	ug/l	100
59) 2-Hexanone	10.97	43	175831	95.557	ug/l	99
60) Dibromochloromethane	11.13	129	49941	19.576	ug/l	100
61) 1,2-Dibromoethane	11.23	107	42730	19.647	ug/l	100
64) Tetrachloroethene	10.86	164	54703	21.441	ug/l	97
65) Chlorobenzene	11.66	112	164012	20.819	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	56730	20.673	ug/l	100
67) Ethyl Benzene	11.73	91	319753	21.311	ug/l	99
68) m/p-Xylenes	11.84	106	231328	42.395	ug/l	100
69) o-Xylene	12.16	106	107686	21.238	ug/l	99
70) Styrene	12.18	104	184519	21.047	ug/l	100
71) Bromoform	12.35	173	27259	19.483	ug/l #	95
73) Isopropylbenzene	12.46	105	304699	21.797	ug/l	99
74) N-amyl acetate	12.27	43	89719	20.500	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	53751	20.442	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	37155m	18.740	ug/l	
77) Bromobenzene	12.74	156	65549	21.215	ug/l	98
78) n-propylbenzene	12.80	91	369527	21.721	ug/l	100
79) 2-Chlorotoluene	12.89	91	209701	21.396	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	251970	21.503	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	17876	20.779	ug/l	99
82) 4-Chlorotoluene	12.99	91	217704	21.171	ug/l	100
83) tert-Butylbenzene	13.21	119	217141	22.160	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	256086	21.695	ug/l	100
85) sec-Butylbenzene	13.38	105	308778	22.084	ug/l	99
86) p-Isopropyltoluene	13.50	119	280732	22.129	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	128557	21.220	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	126615	21.009	ug/l	99
89) n-Butylbenzene	13.82	91	277162	21.893	ug/l	99
90) Hexachloroethane	14.09	117	46798	20.862	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	112993	21.088	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8635	19.258	ug/l	95

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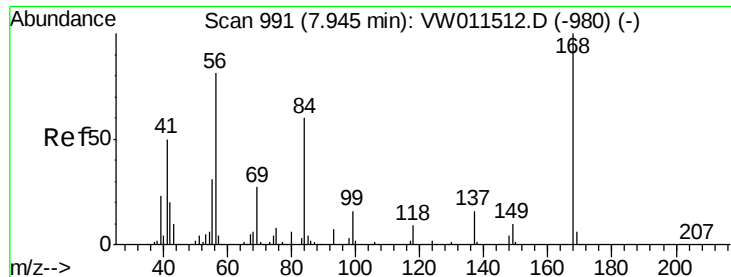
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	78549	20.800	ug/l	100
94) Hexachlorobutadiene	15.24	225	52231	22.179	ug/l	99
95) Naphthalene	15.37	128	136900	19.808	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	67702	20.452	ug/l	98

(#) = 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: VW012021.D

Acq: 20 Aug 2019 10:43

Instrument :

MSVOA_W

ClientSampleId :

VW0820SBSD01

Tot Ion:168 Resp: 283361

Ion Ratio Lower Upper

168 100

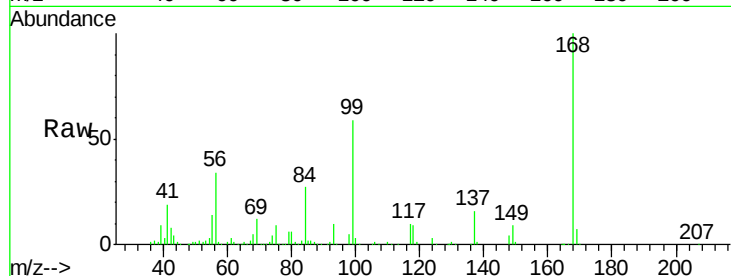
99 58.7 48.2 72.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

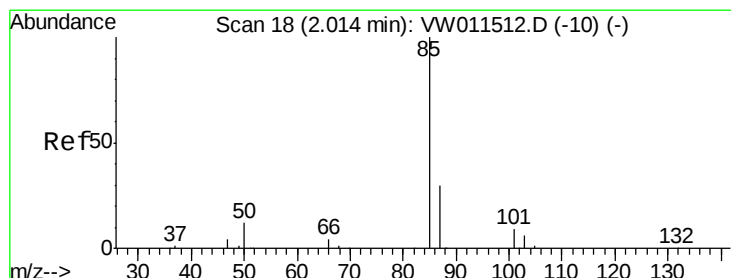
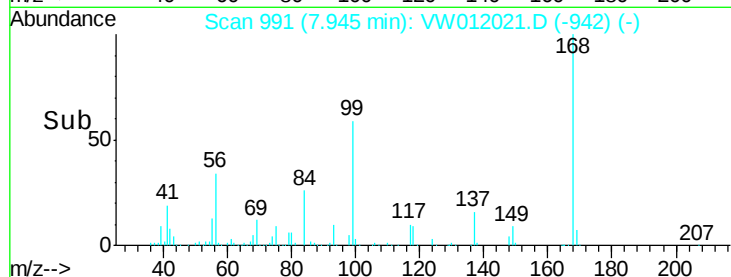
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 21.363 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW012021.D

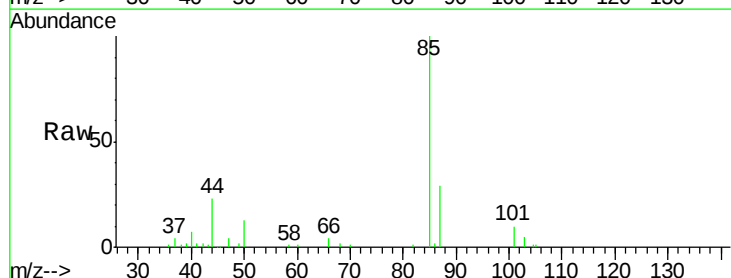
Acq: 20 Aug 2019 10:43

Tgt Ion: 85 Resp: 33736

Ion Ratio Lower Upper

85 100

87 29.2 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

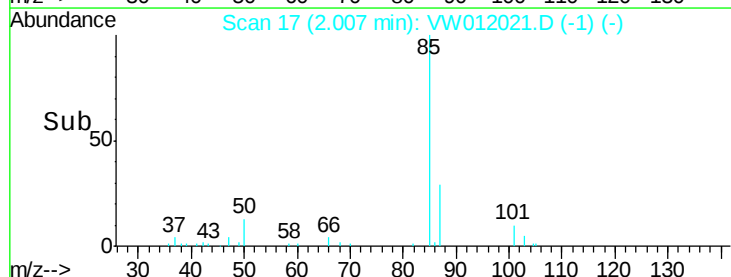
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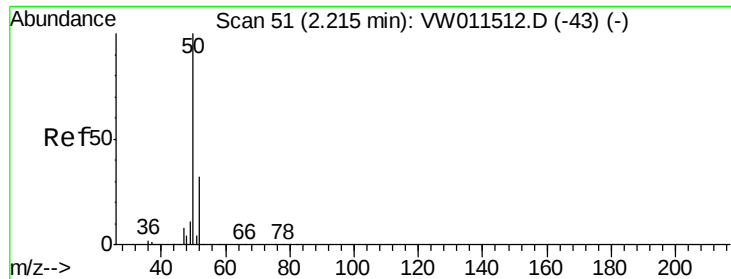
10000

5000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 20.769 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW012021.D

Acq: 20 Aug 2019 10:43

Instrument :

MSVOA_W

ClientSampleId :

VW0820SBSD01

Tot Ion: 50 Resp: 56873

Ion Ratio Lower Upper

50 100

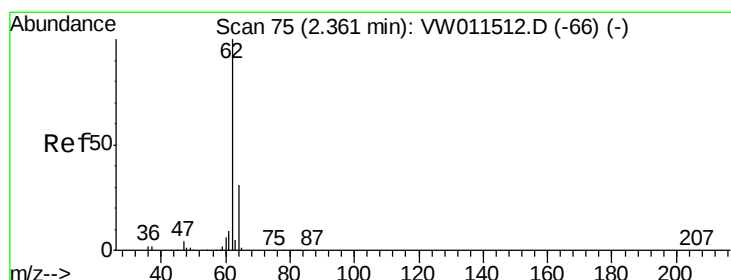
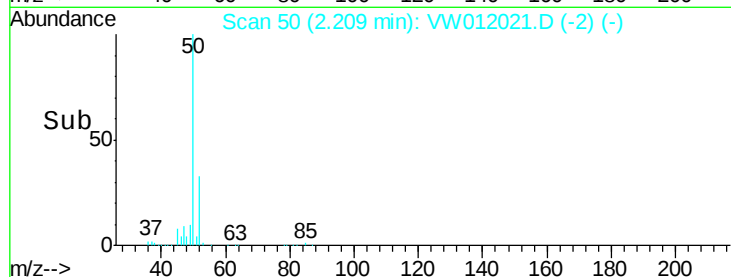
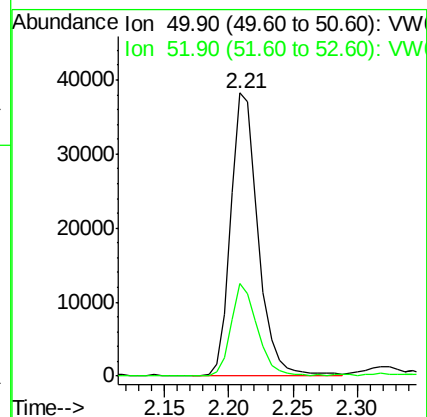
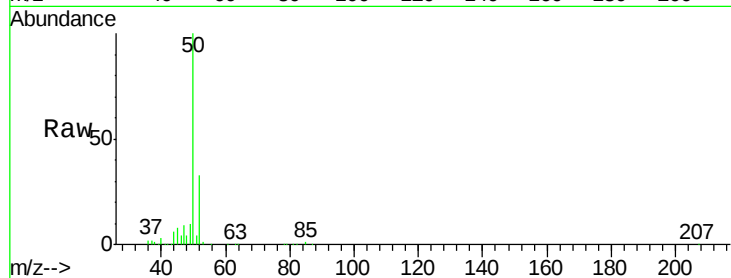
52 32.9 25.4 38.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.022 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW012021.D

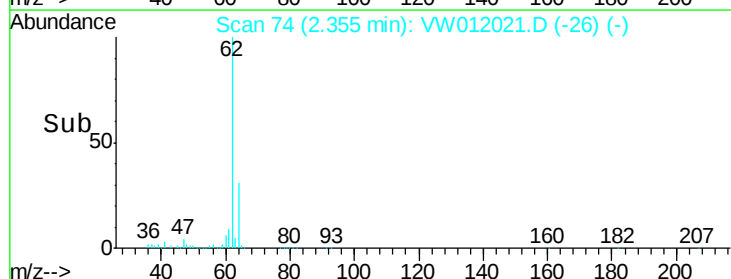
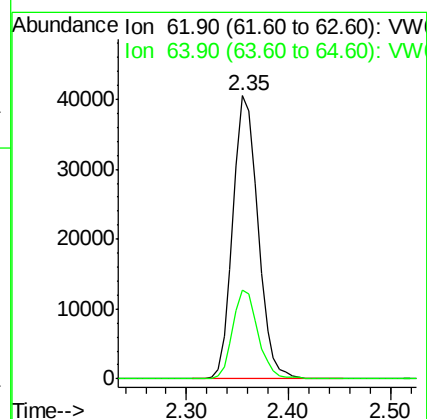
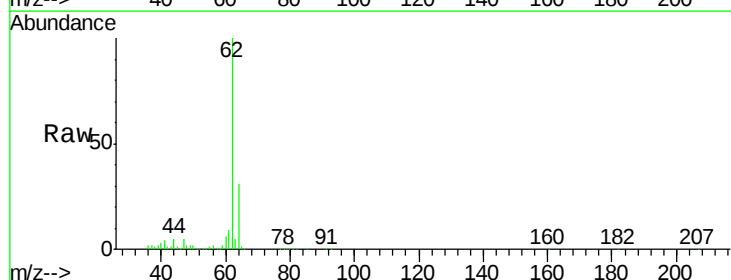
Acq: 20 Aug 2019 10:43

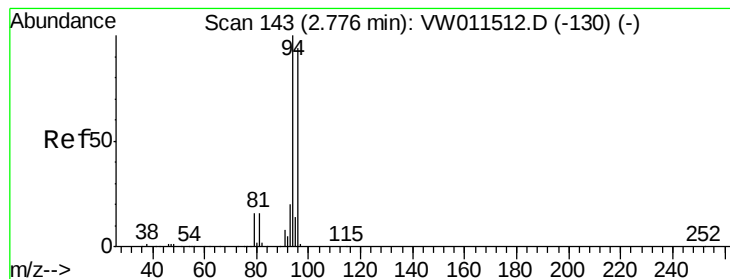
Tgt Ion: 62 Resp: 69305

Ion Ratio Lower Upper

62 100

64 31.3 25.0 37.4





#5

Bromomethane

Concen: 19.321 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW012021.D

Acq: 20 Aug 2019 10:43

Instrument :

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Tot Ion: 94 Resp: 35258

Ion Ratio Lower Upper

94 100

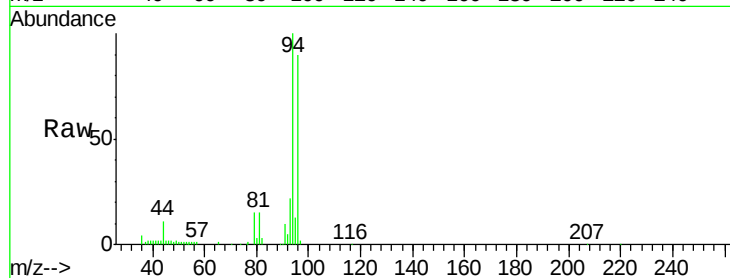
96 89.8 75.0 112.6

Manual Integrations

APPROVED

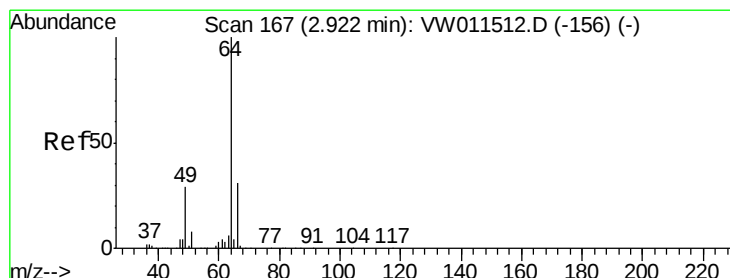
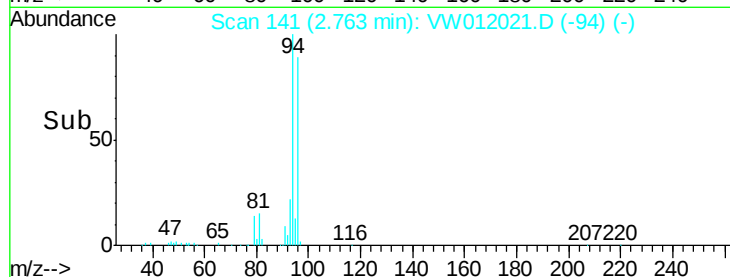
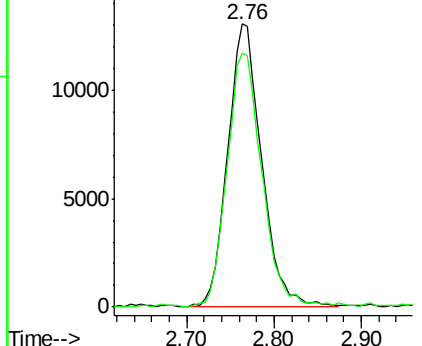
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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 20.601 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW012021.D

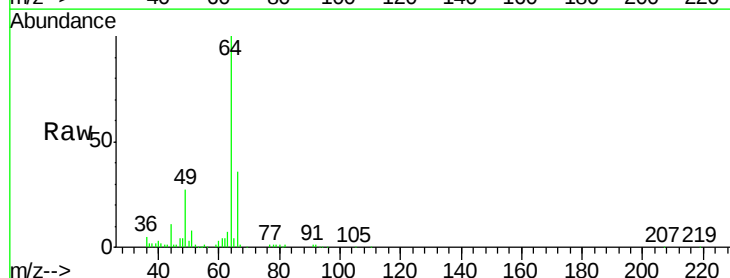
Acq: 20 Aug 2019 10:43

Tgt Ion: 64 Resp: 38796

Ion Ratio Lower Upper

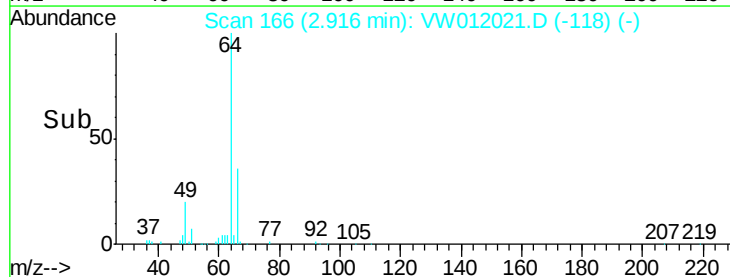
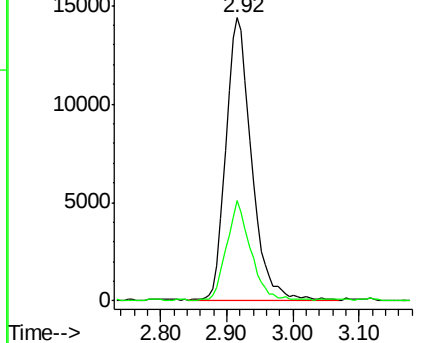
64 100

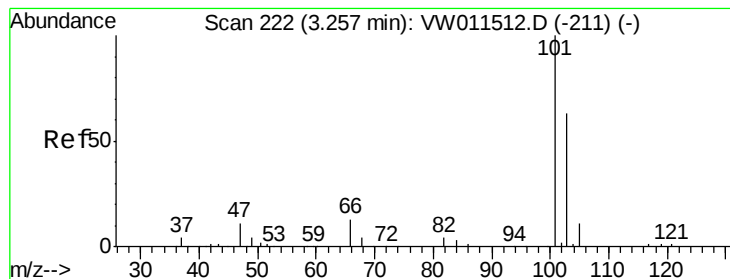
66 35.6 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

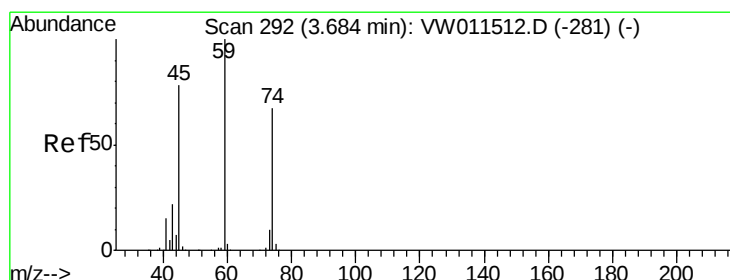
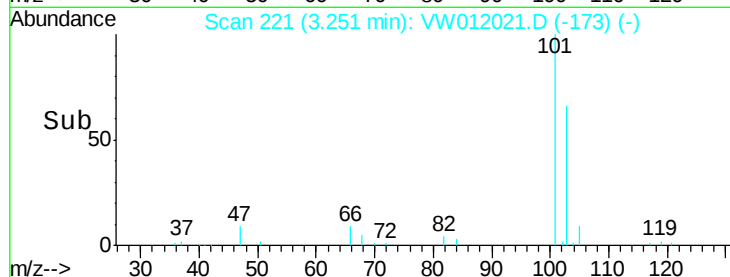
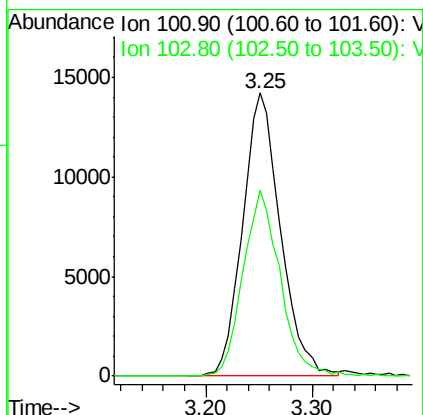
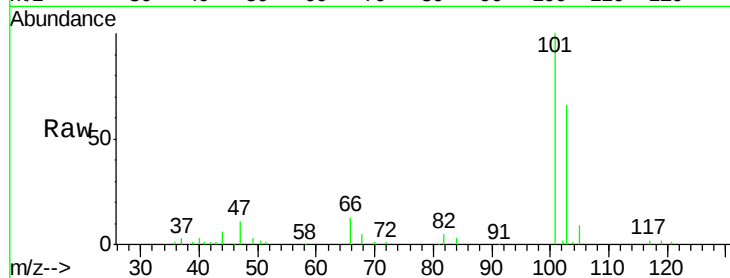
Trichlorofluoromethane
Concen: 24.069 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW012021.D
Acq: 20 Aug 2019 10:43

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Tot Ion:101 Resp: 35463
Ion Ratio Lower Upper
101 100
103 65.8 50.2 75.4

Manual Integrations
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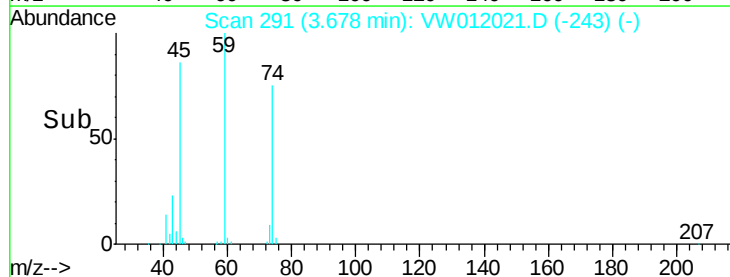
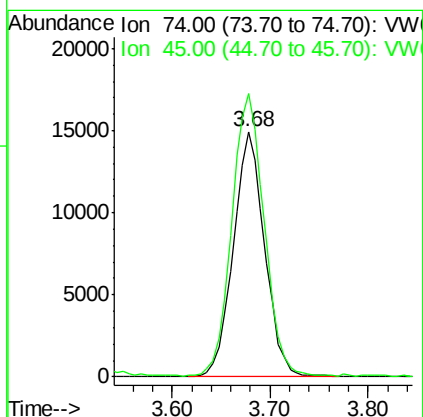
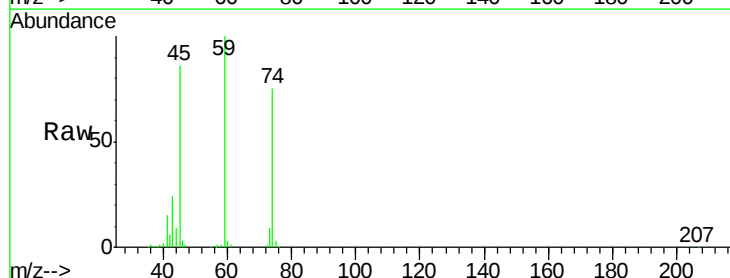
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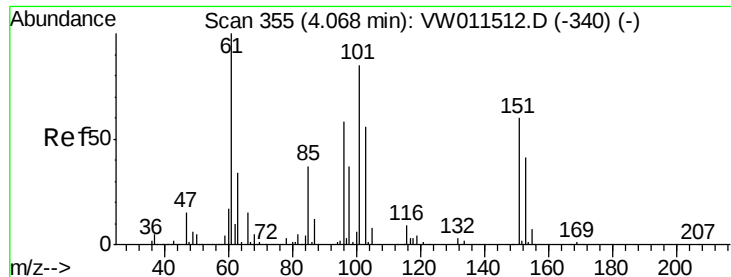


#8

Diethyl Ether
Concen: 19.761 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW012021.D
Acq: 20 Aug 2019 10:43

Tgt Ion: 74 Resp: 33011
Ion Ratio Lower Upper
74 100
45 120.5 59.6 178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.501 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012021.D

Acq: 20 Aug 2019 10:43

Instrument :

MSVOA_W

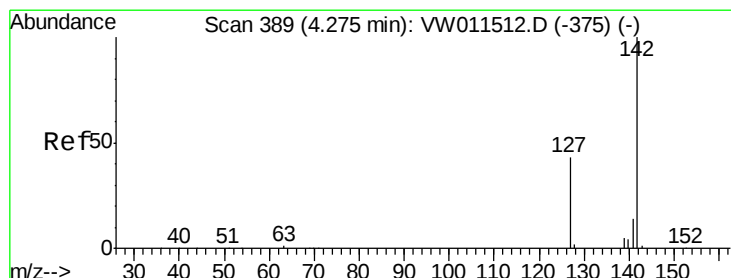
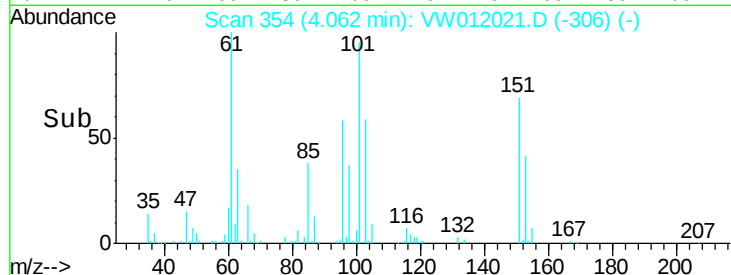
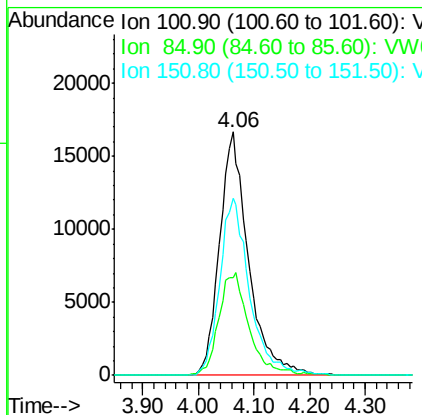
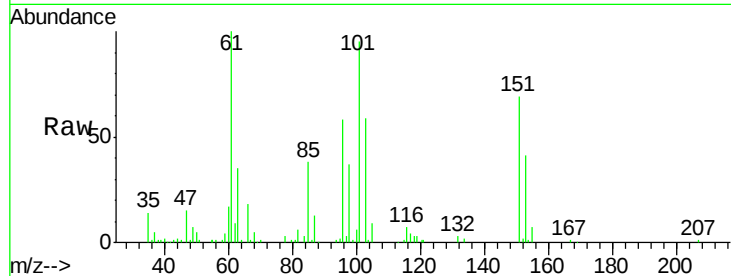
ClientSampleId :

VW0820SBSD01

Tot Ion:	101	Resp:	60095
Ion Ratio	Lower	Upper	
101	100		
85	43.7	36.6	54.8
151	75.2	60.2	90.2

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#10

Methyl Iodide

Concen: 19.939 ug/l

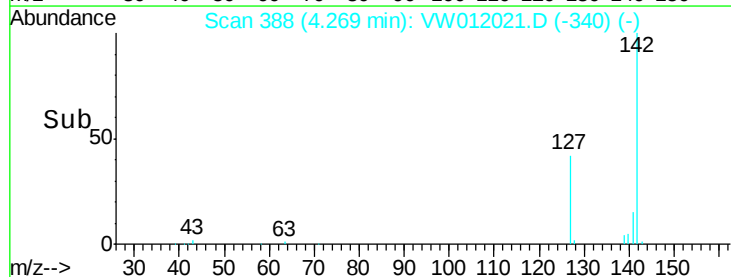
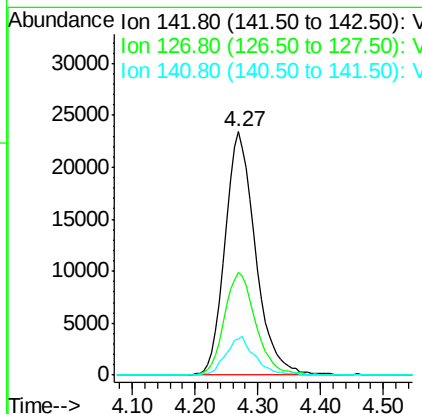
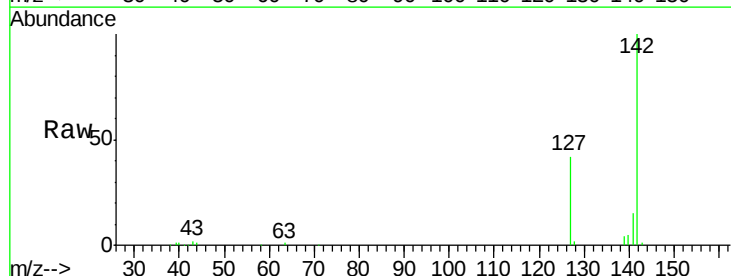
RT: 4.27 min Scan# 388

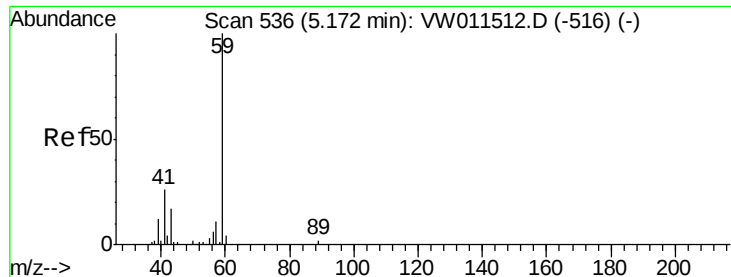
Delta R.T. -0.01 min

Lab File: VW012021.D

Acq: 20 Aug 2019 10:43

Tgt Ion:	142	Resp:	78755
Ion Ratio	Lower	Upper	
142	100		
127	43.3	35.0	52.6
141	14.8	11.9	17.9





#11

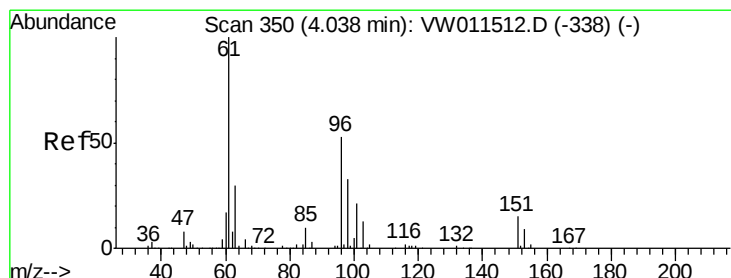
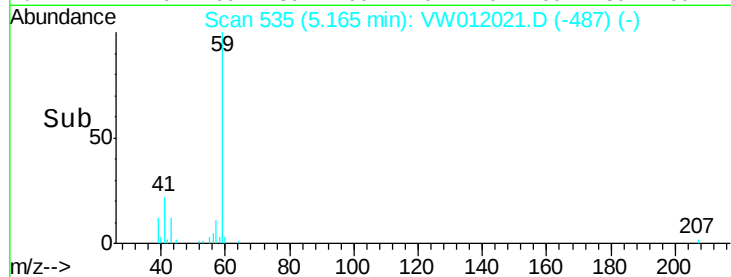
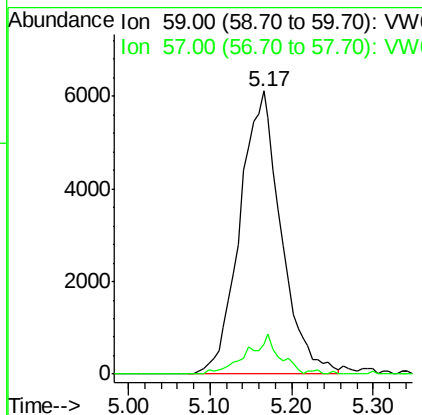
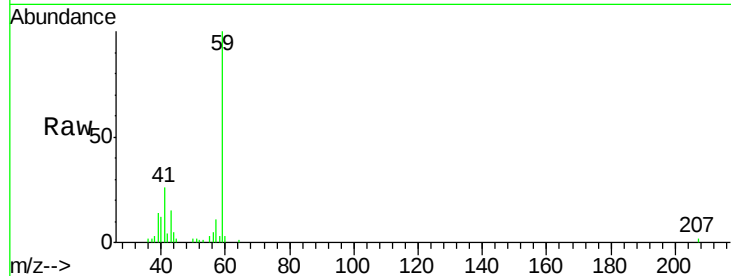
Tert butyl alcohol
 Concen: 77.032 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: VW012021.D
 Acq: 20 Aug 2019 10:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0820SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.0	8.5	12.7

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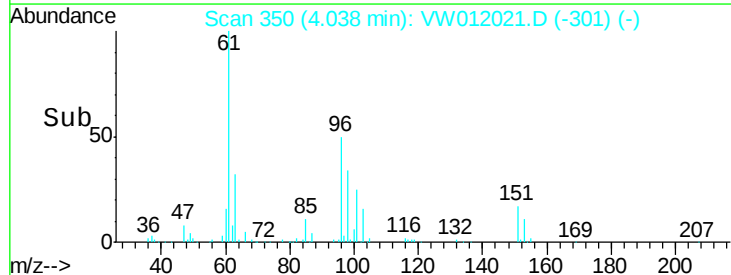
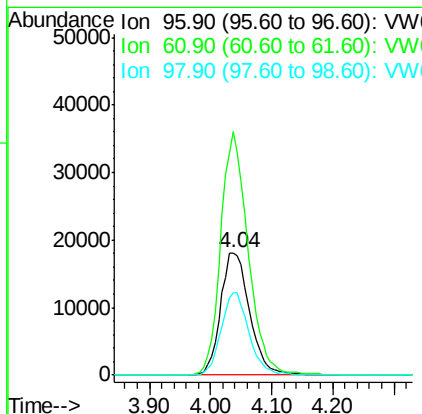
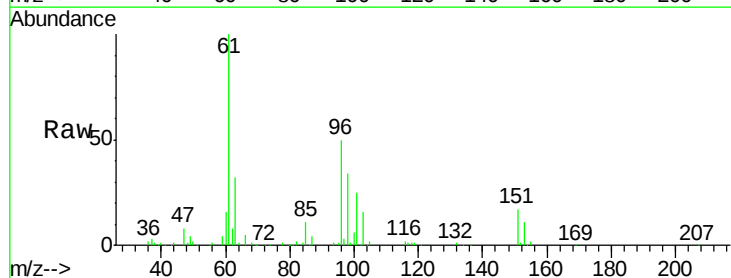
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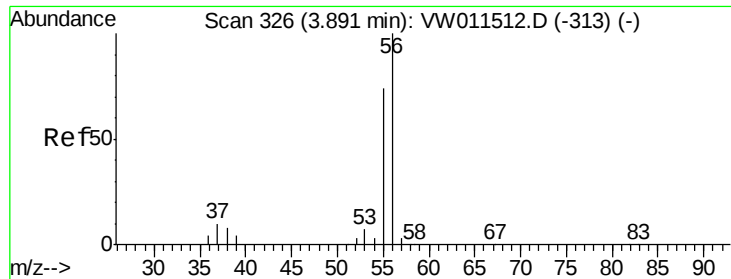


#12

1,1-Dichloroethene
 Concen: 20.226 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW012021.D
 Acq: 20 Aug 2019 10:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	198.8	149.9	224.9
98	67.2	49.1	73.7





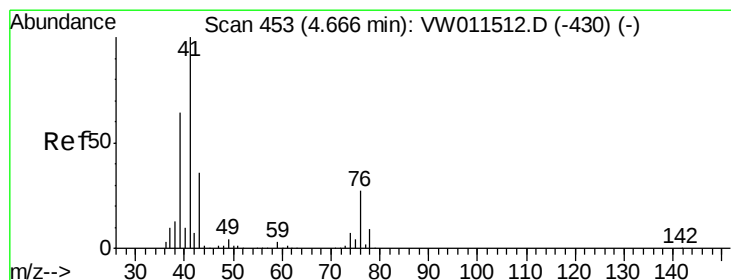
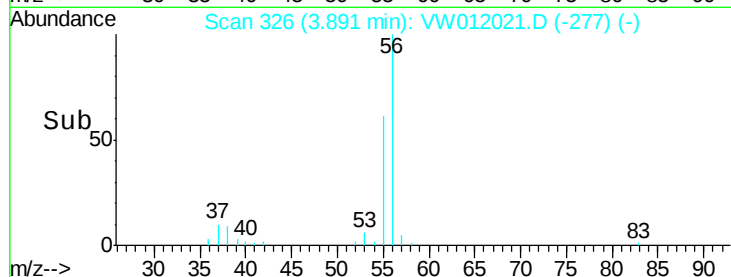
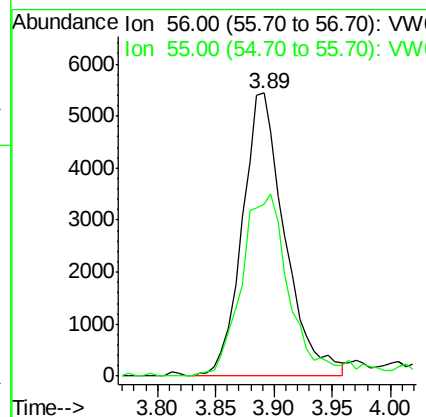
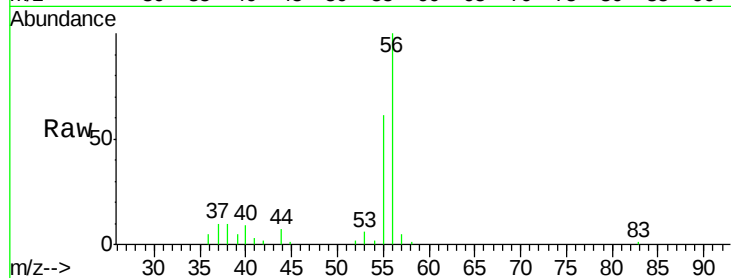
#13
Acrolein
Concen: 59.336 ug/l
RT: 3.89 min Scan# 326
Delta R.T. -0.00 min
Lab File: VW012021.D
Acq: 20 Aug 2019 10:43

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS01

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	70.9	56.0	84.0	

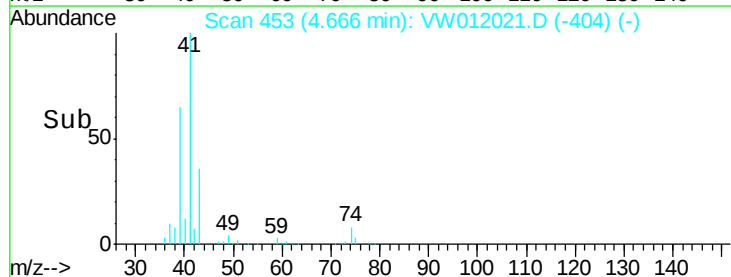
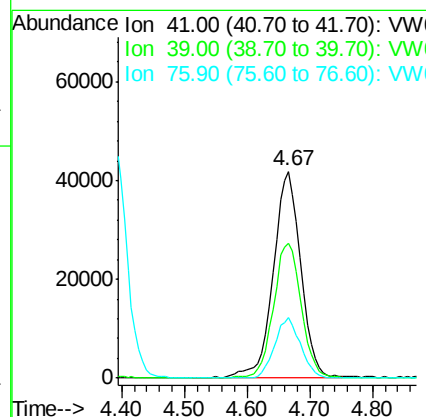
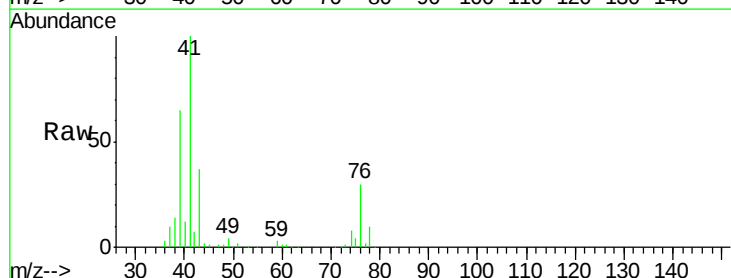
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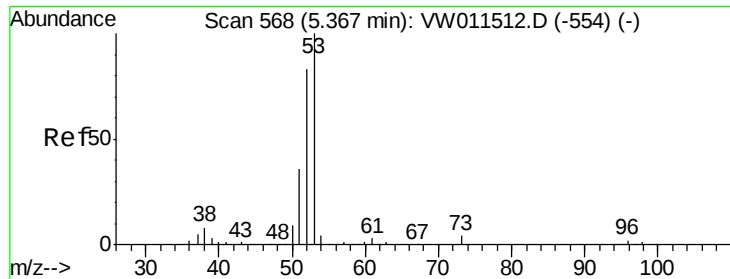
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#14
Allyl chloride
Concen: 20.260 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW012021.D
Acq: 20 Aug 2019 10:43

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	65.4	52.6	78.8	
76	27.6	22.0	33.0	





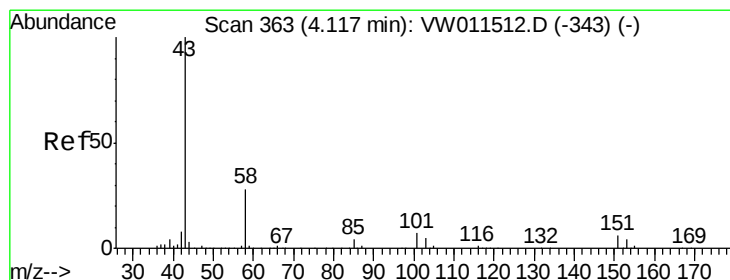
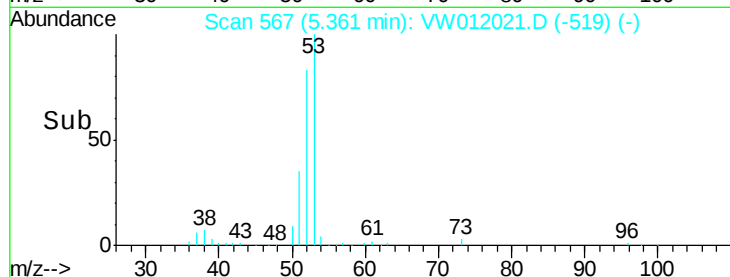
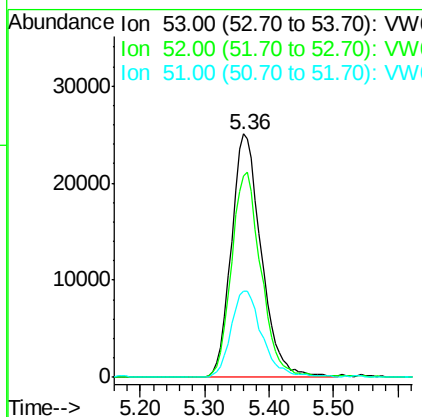
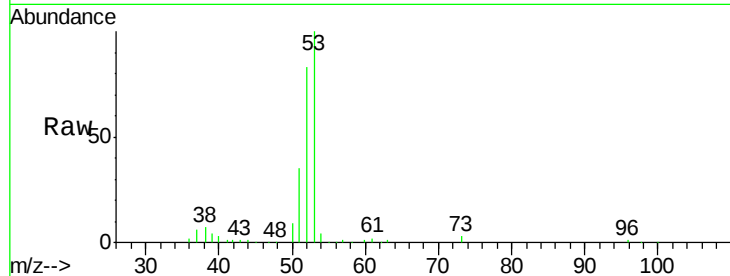
#15
 Acrylonitrile
 Concen: 97.574 ug/l
 RT: 5.36 min Scan# 567
 Delta R.T. -0.01 min
 Lab File: VW012021.D
 Acq: 20 Aug 2019 10:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0820SBS01

Tot Ion:	53	Resp:	81369
Ion	Ratio	Lower	Upper
53	100		
52	82.9	67.2	100.8
51	36.6	30.0	45.0

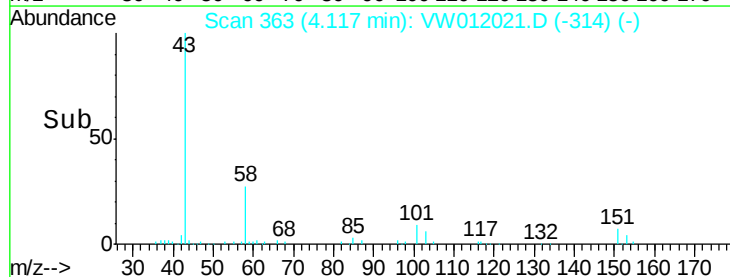
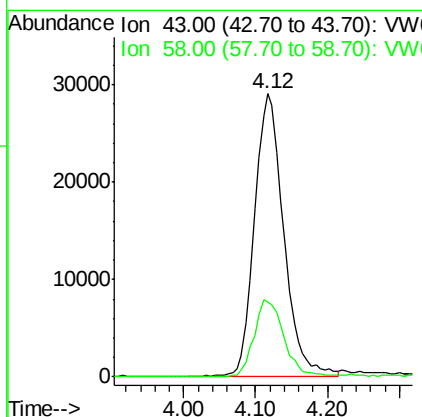
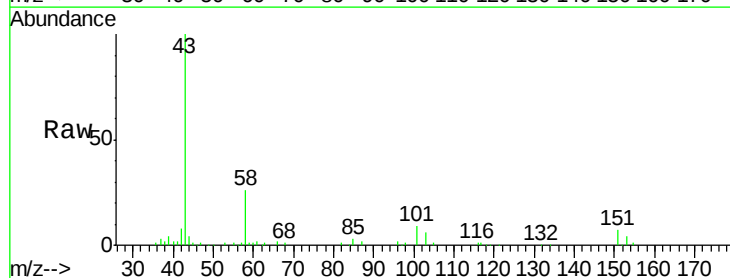
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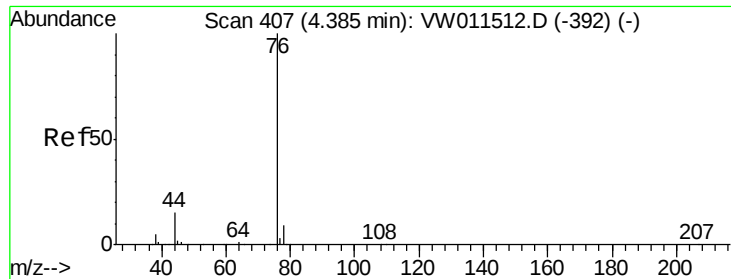
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#16
 Acetone
 Concen: 79.825 ug/l
 RT: 4.12 min Scan# 363
 Delta R.T. -0.00 min
 Lab File: VW012021.D
 Acq: 20 Aug 2019 10:43

Tgt Ion:	43	Resp:	82620
Ion	Ratio	Lower	Upper
43	100		
58	26.4	22.3	33.5





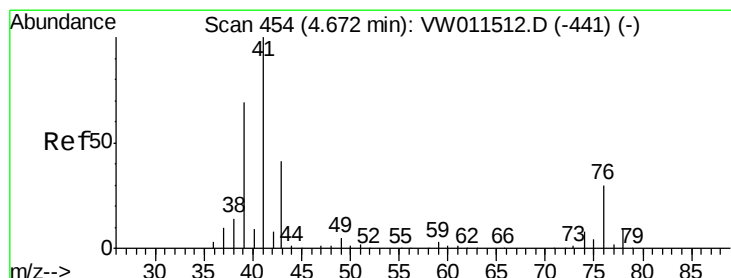
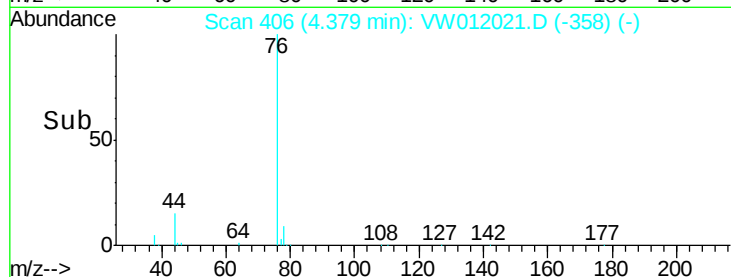
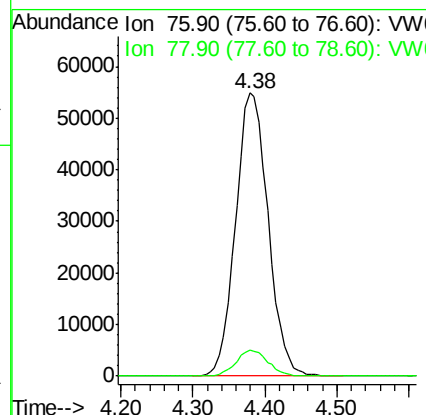
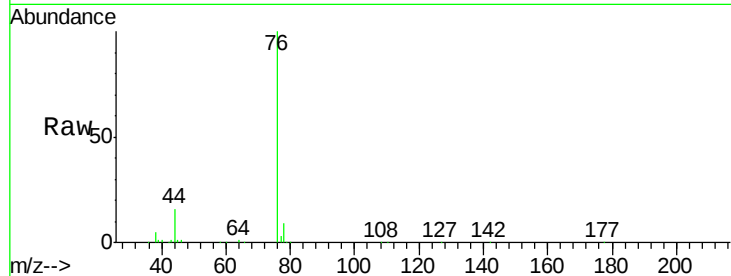
#17
Carbon Disulfide
Concen: 18.646 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW012021.D
Acq: 20 Aug 2019 10:43

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.1	10.7

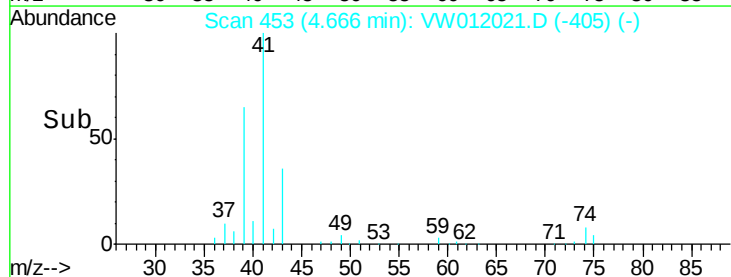
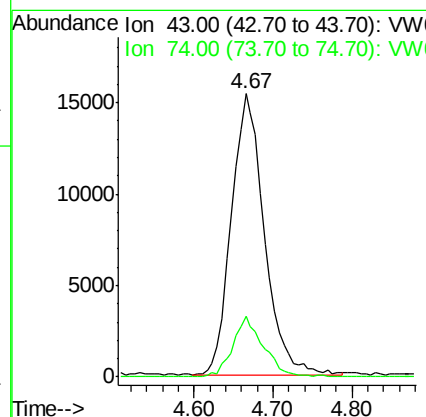
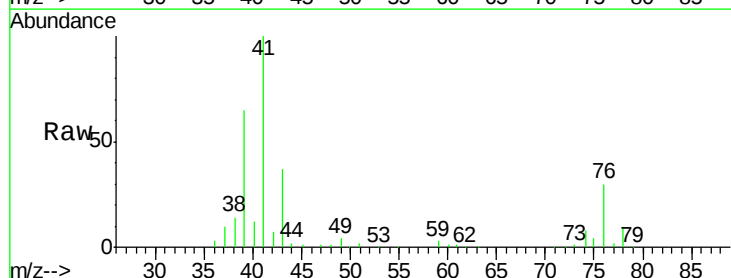
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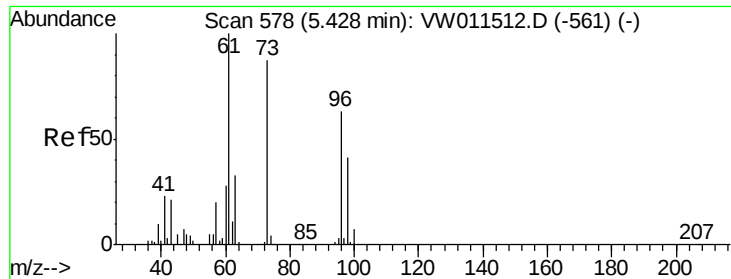
MMDadoda
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#18
Methyl Acetate
Concen: 19.339 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW012021.D
Acq: 20 Aug 2019 10:43

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.8	15.9	23.9





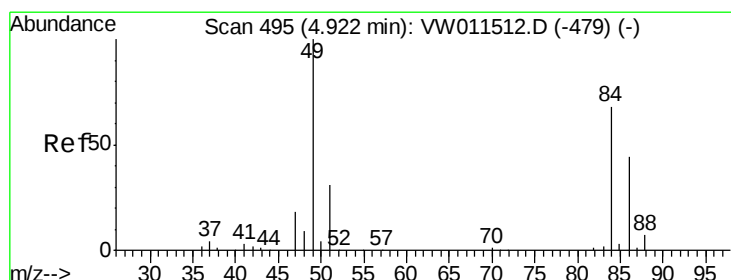
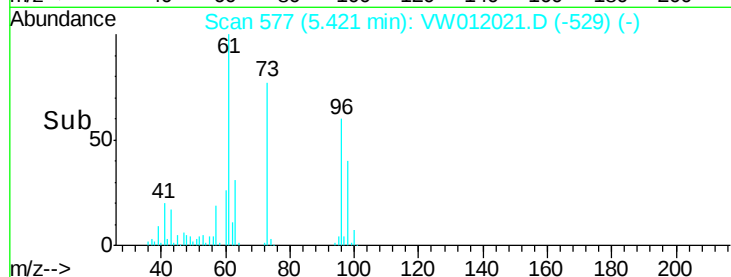
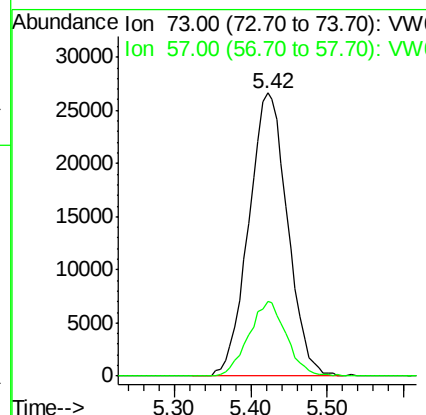
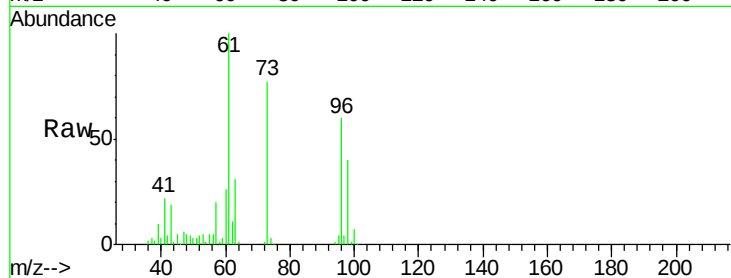
#19
Methyl tert-butyl Ether
Concen: 20.017 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012021.D
Acq: 20 Aug 2019 10:43

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	26.2	18.4	27.6

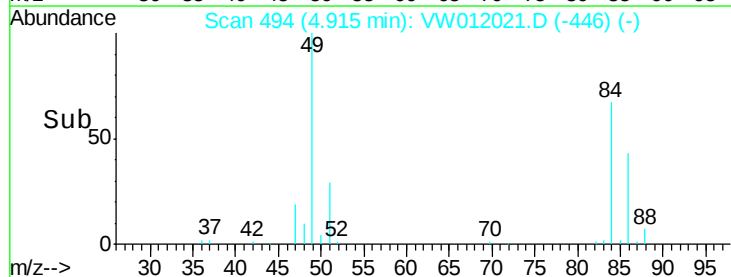
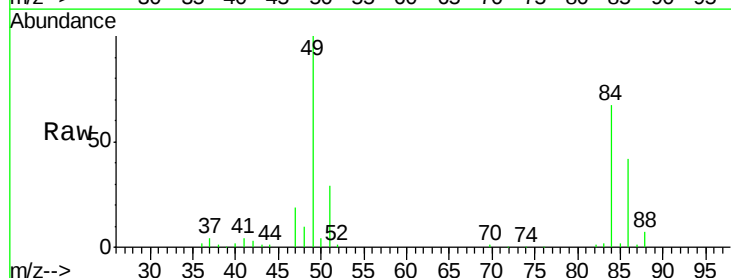
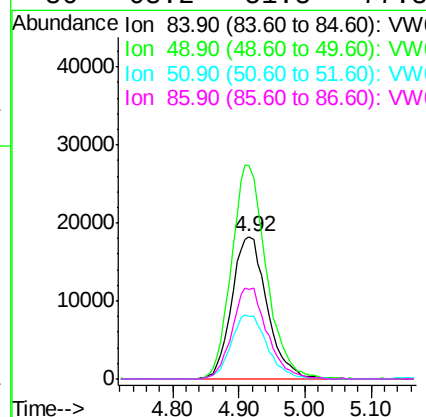
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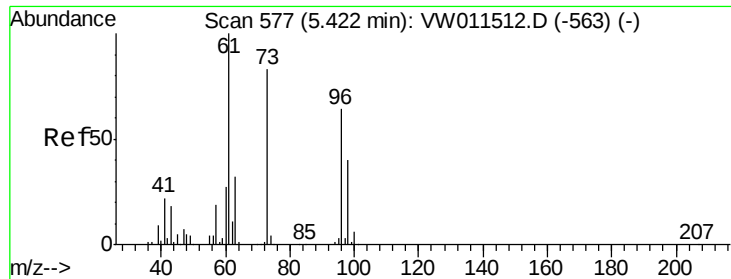
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#20
Methylene Chloride
Concen: 18.927 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012021.D
Acq: 20 Aug 2019 10:43

Tgt Ion	Ratio	Lower	Upper
84	100		
49	149.5	117.8	176.6
51	43.7	37.0	55.4
86	63.2	51.8	77.8





#21

trans-1,2-Dichloroethene

Concen: 20.229 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW012021.D

Acq: 20 Aug 2019 10:43

Instrument :

MSVOA_W

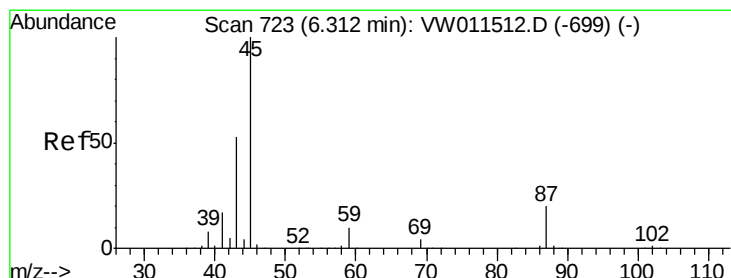
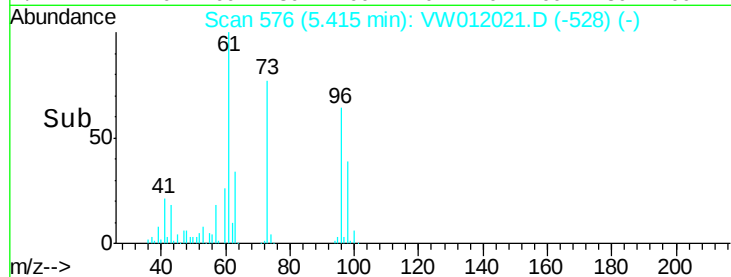
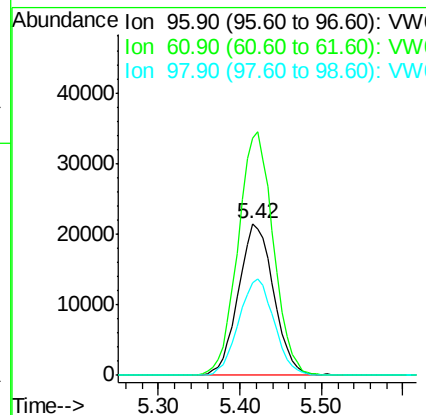
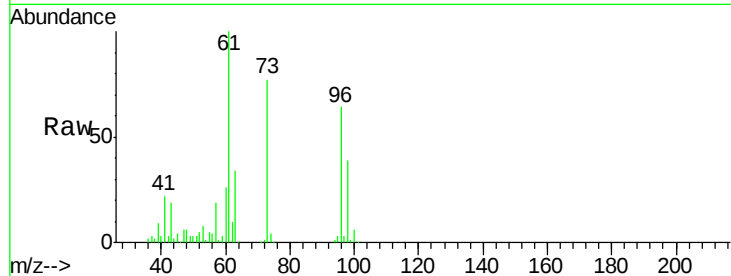
ClientSampleId :

VW0820SBS01

Tot Ion:	96	Resp:	64360
Ion	Ratio	Lower	Upper
96	100		
61	155.9	125.7	188.5
98	61.2	50.3	75.5

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#22

Diisopropyl ether

Concen: 20.399 ug/l

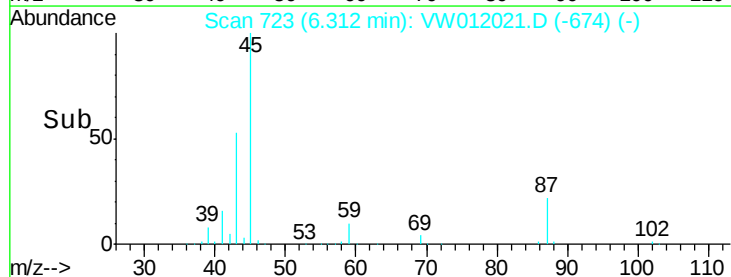
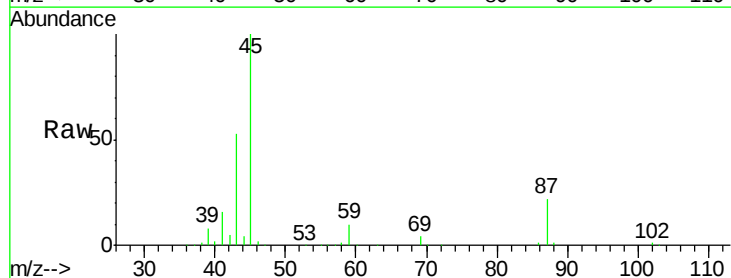
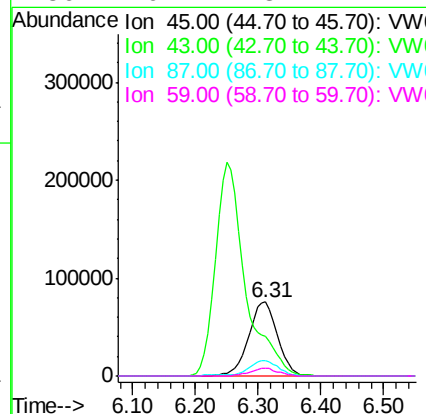
RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW012021.D

Acq: 20 Aug 2019 10:43

Tgt Ion:	45	Resp:	241402
Ion	Ratio	Lower	Upper
45	100		
43	52.6	42.6	63.8
87	21.6	16.4	24.6
59	10.2	8.2	12.2





#23

Vinyl Acetate

Concen: 97.162 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW012021.D

Acq: 20 Aug 2019 10:43

Instrument :

MSVOA_W

ClientSampleId :

VW0820SBS01

Tot Ion: 43 Resp: 722479

Ion Ratio Lower Upper

43 100

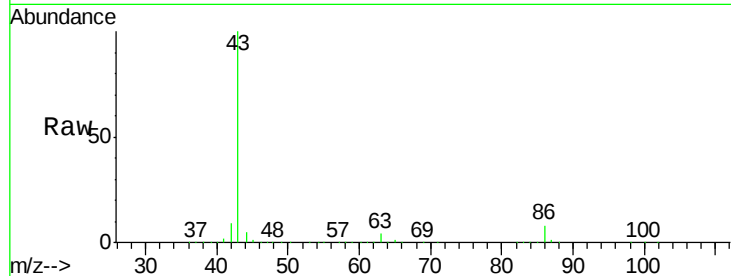
86 8.4 6.5 9.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

250000

200000

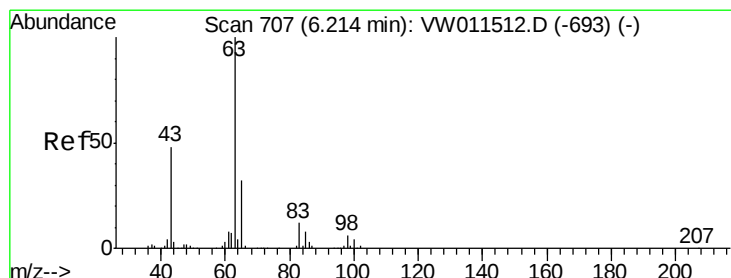
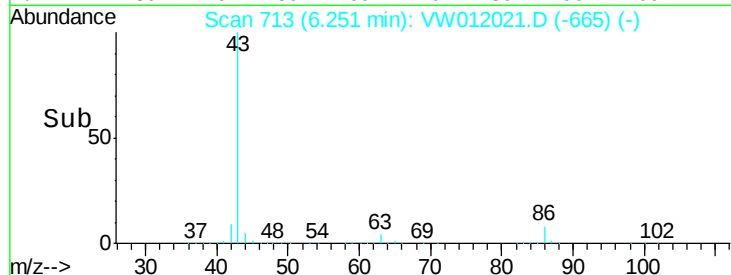
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.282 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012021.D

Acq: 20 Aug 2019 10:43

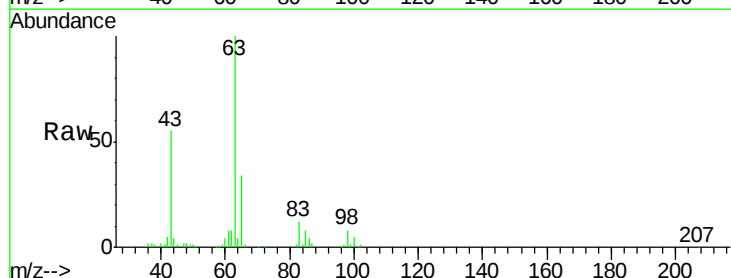
Tgt Ion: 63 Resp: 128546

Ion Ratio Lower Upper

63 100

98 7.6 2.9 8.8

100 4.7 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.21

50000

40000

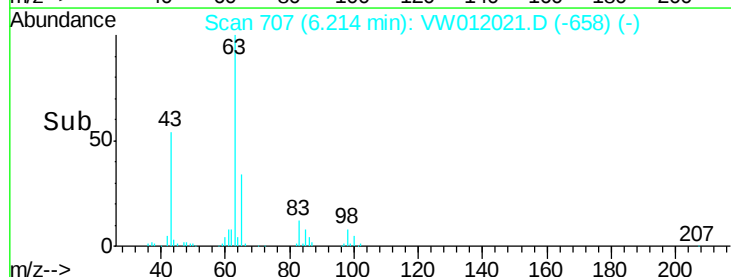
30000

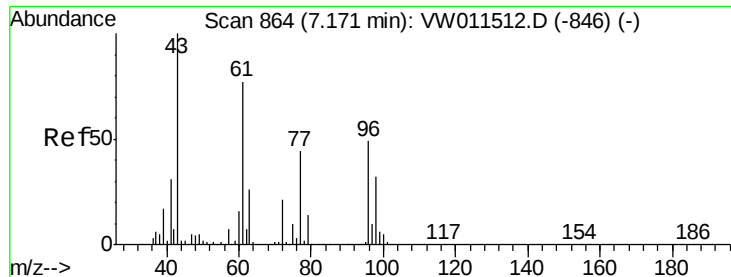
20000

10000

0

Time-->





#25

2-Butanone

Concen: 86.689 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW012021.D

Acq: 20 Aug 2019 10:43

Instrument :

MSVOA_W

ClientSampleID :

VW0820SBS01

Tot Ion: 43 Resp: 117407

Ion Ratio Lower Upper

43 100

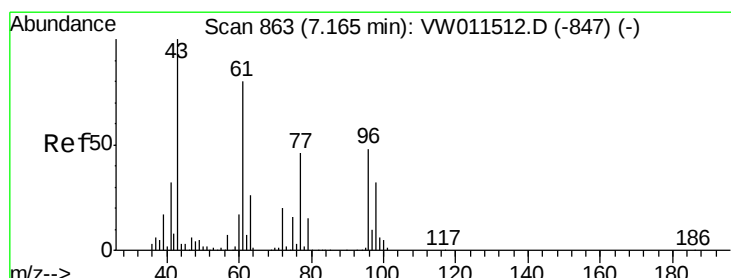
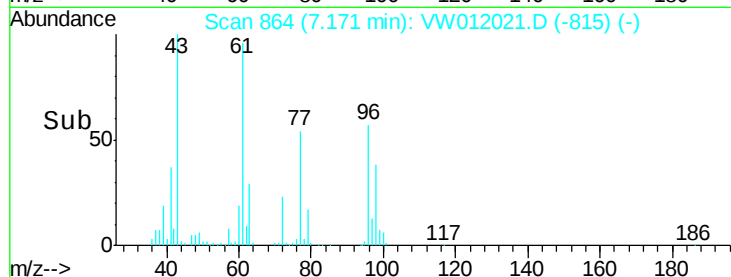
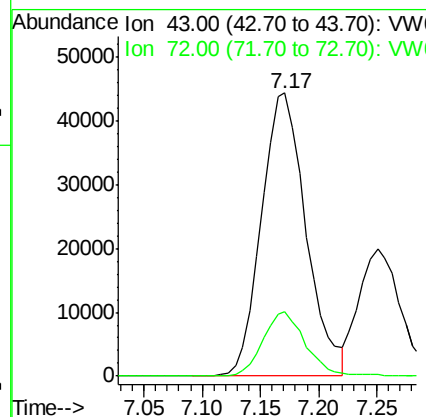
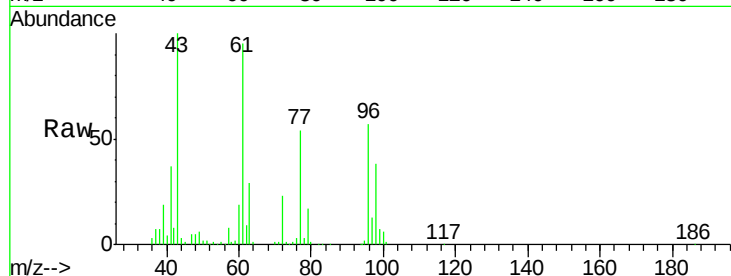
72 22.9 16.6 24.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.730 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012021.D

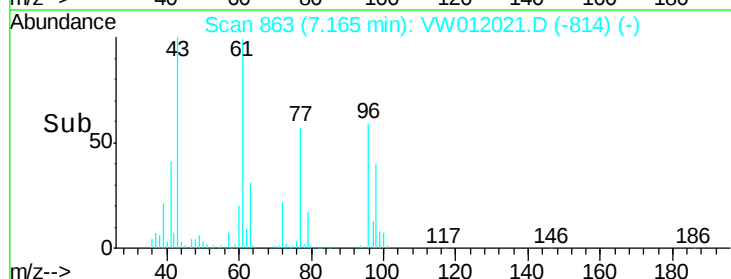
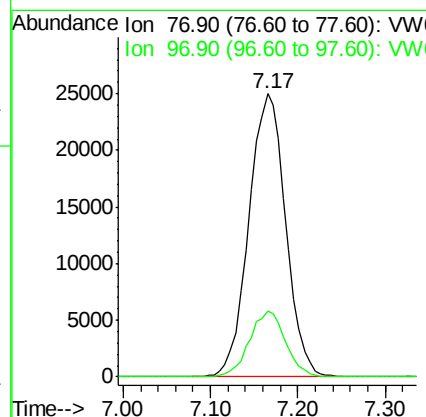
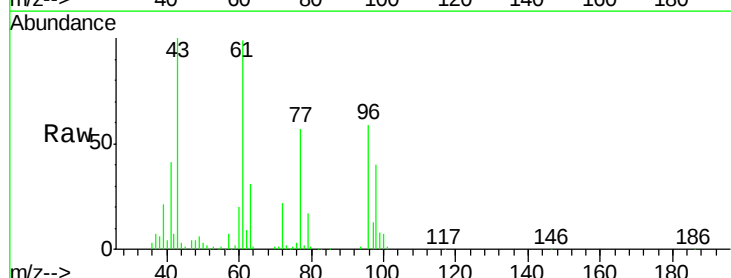
Acq: 20 Aug 2019 10:43

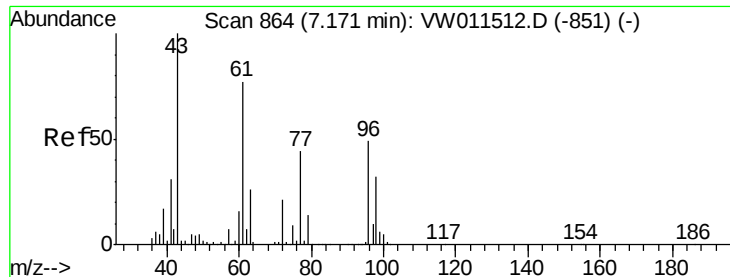
Tgt Ion: 77 Resp: 73005

Ion Ratio Lower Upper

77 100

97 22.7 10.8 32.4





#27

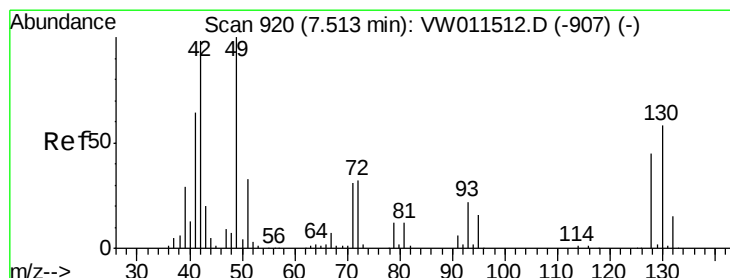
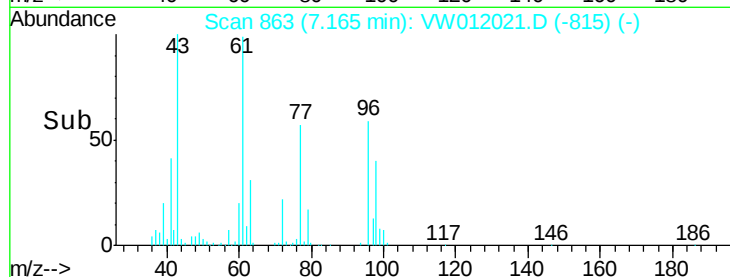
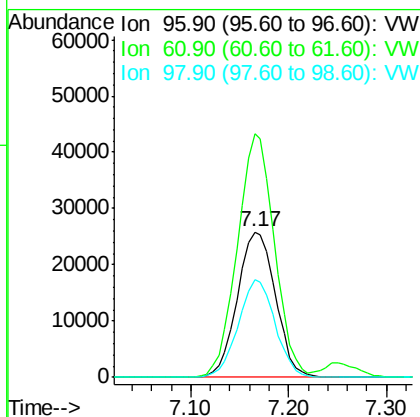
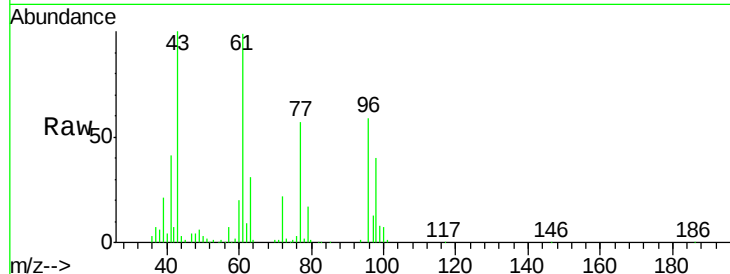
cis-1,2-Dichloroethene
 Concen: 19.957 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW012021.D
 Acq: 20 Aug 2019 10:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0820SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	69881		
61	163.0	0.0	328.4	
98	64.7	0.0	128.8	

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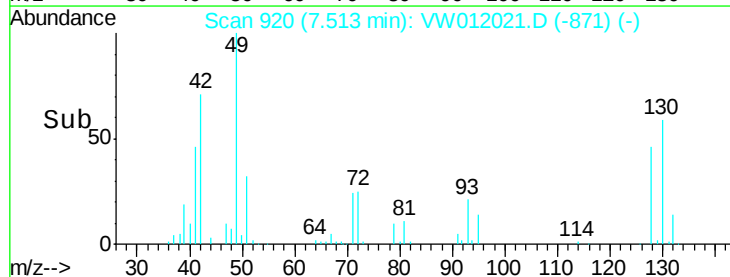
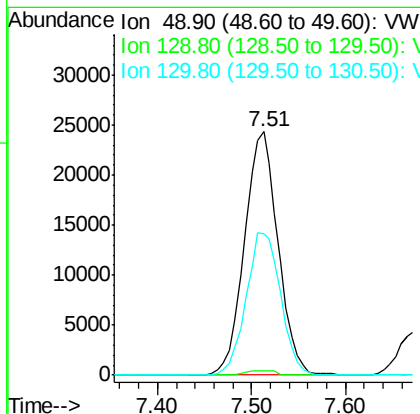
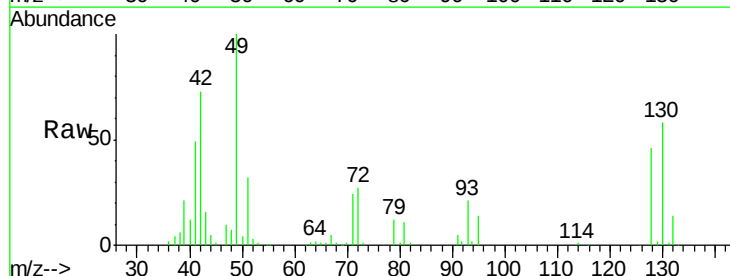
MMDadoda
 8/21/2019 8:28:52 AM

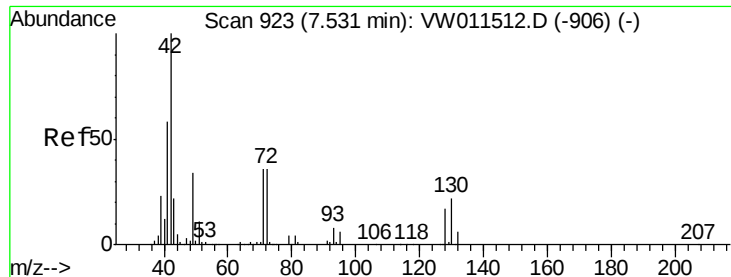


#28

Bromochloromethane
 Concen: 21.549 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW012021.D
 Acq: 20 Aug 2019 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	60619		
129	1.6	0.0	1.0#	
130	60.3	46.3	69.5	





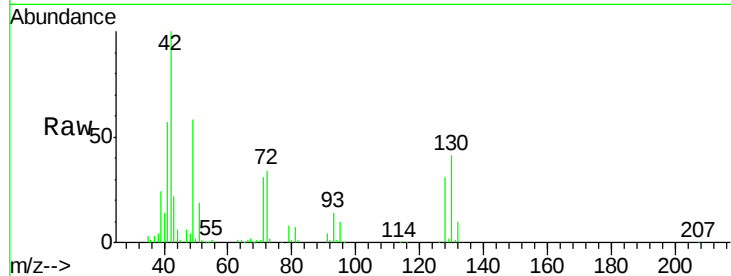
#29
Tetrahydrofuran
Concen: 95.532 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW012021.D
Acq: 20 Aug 2019 10:43

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS01

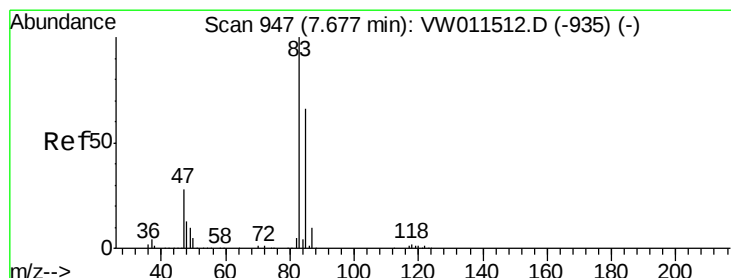
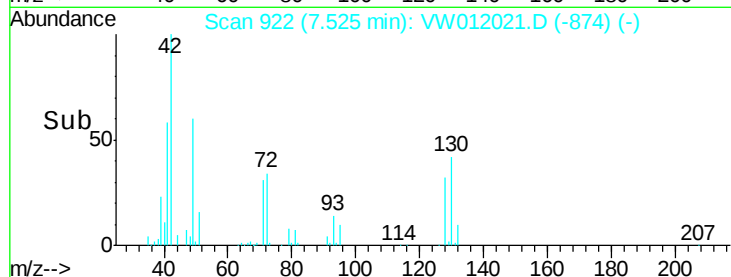
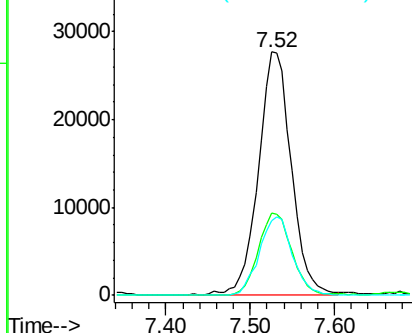
Tot Ion	Ratio	Lower	Upper
42	100		
72	34.8	27.1	40.7
71	32.7	26.2	39.4

Manual Integrations
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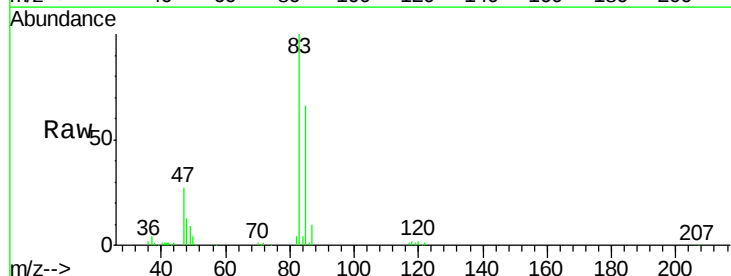


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

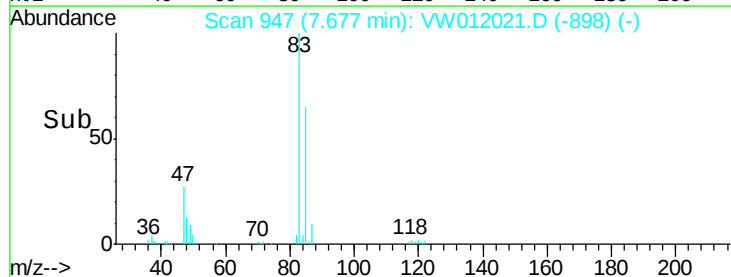
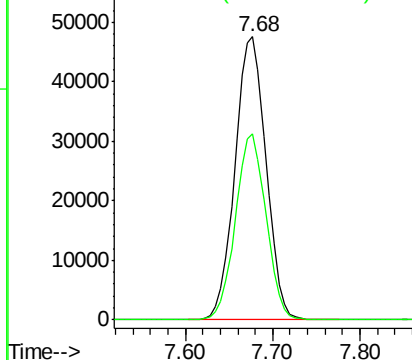


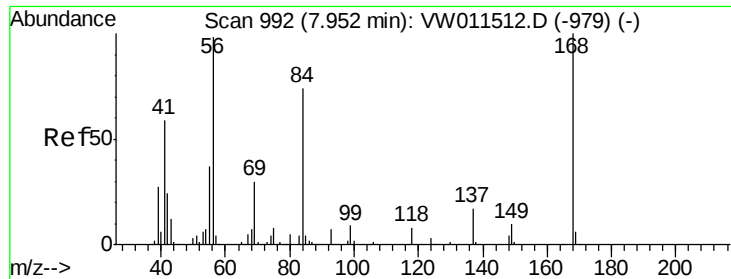
#30
Chloroform
Concen: 20.091 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW012021.D
Acq: 20 Aug 2019 10:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.5	78.7



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW





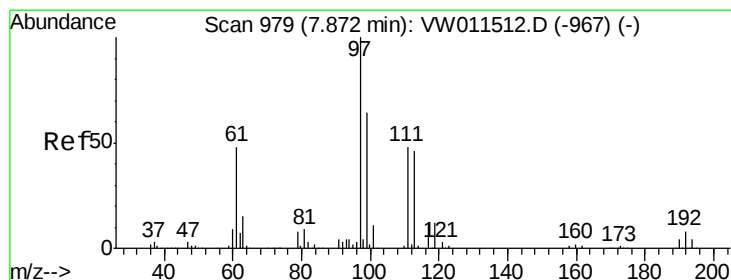
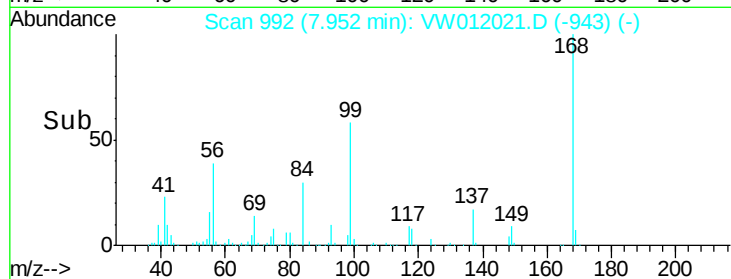
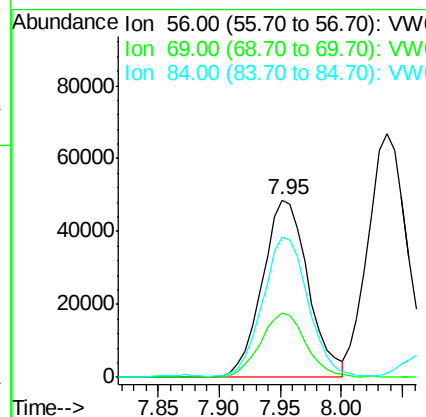
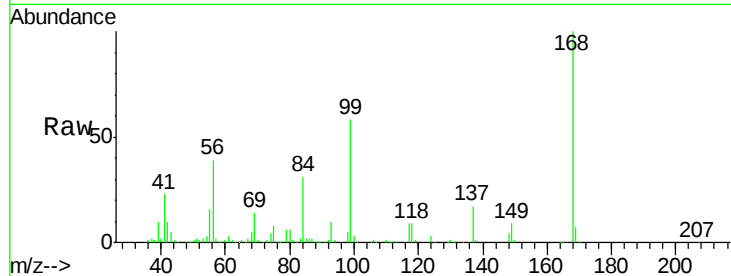
#31
Cyclohexane
Concen: 20.856 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW012021.D
Acq: 20 Aug 2019 10:43

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.3	24.3	36.5
84	77.8	60.4	90.6

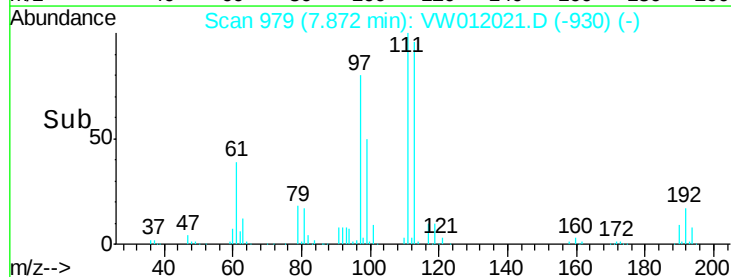
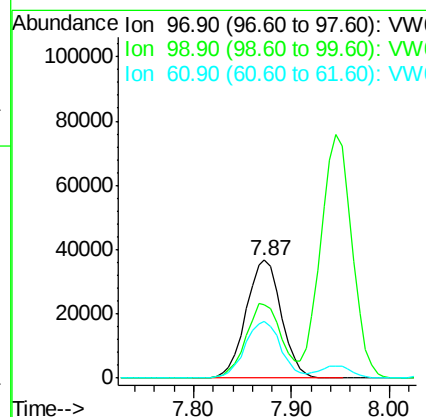
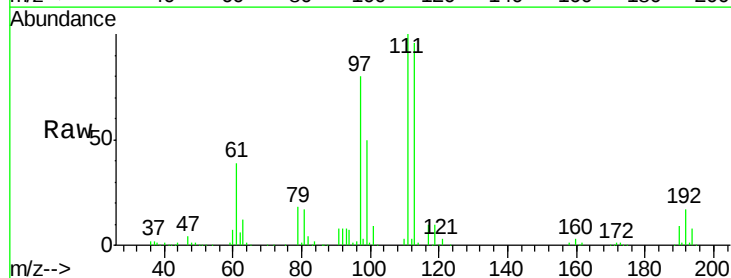
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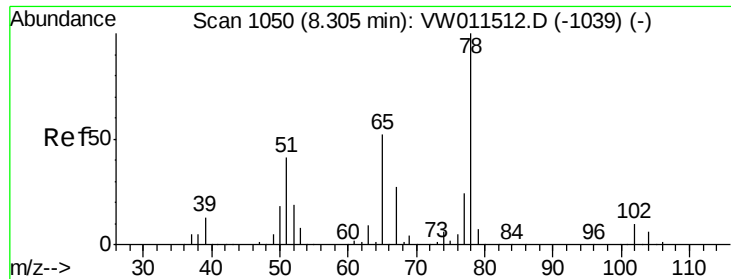
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8/21/2019 8:28:52 AM



#32
1,1,1-Trichloroethane
Concen: 20.656 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW012021.D
Acq: 20 Aug 2019 10:43

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.7	51.0	76.6
61	48.8	39.8	59.6





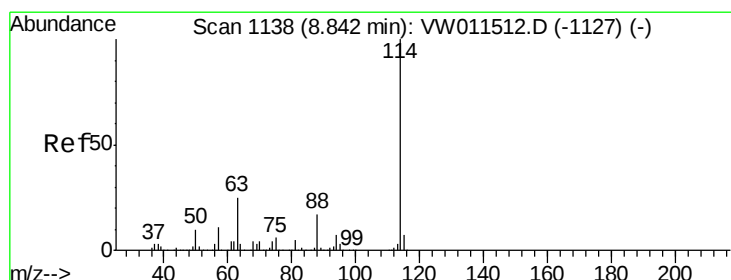
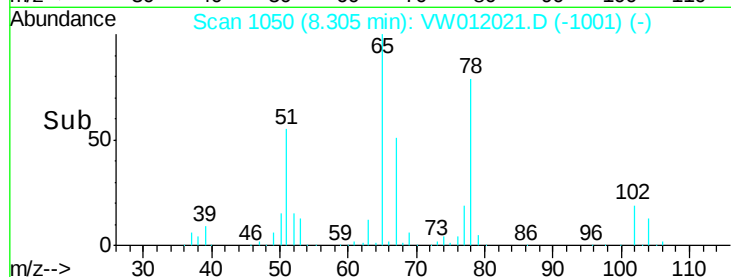
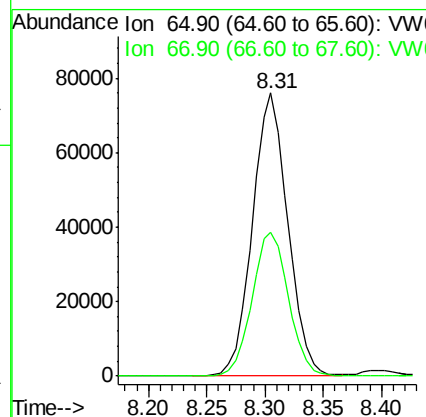
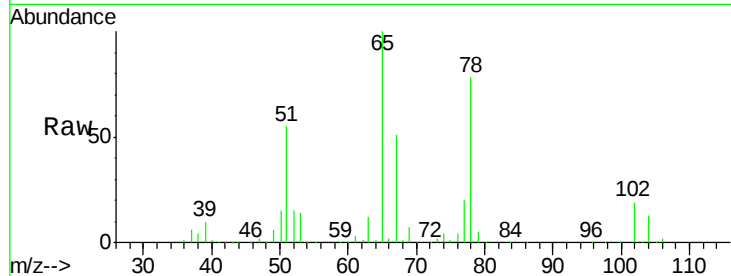
#33
 1,2-Dichloroethane-d4
 Concen: 49.471 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012021.D
 Acq: 20 Aug 2019 10:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0820SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	160968		
67	52.5	0.0	105.2	

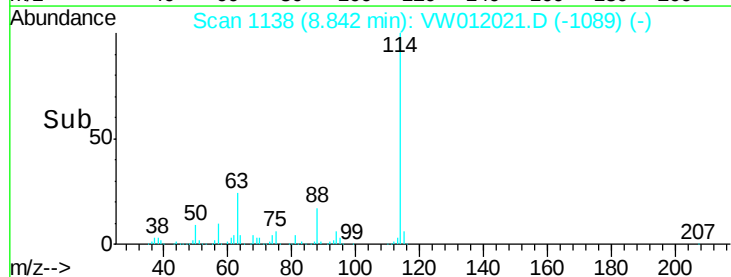
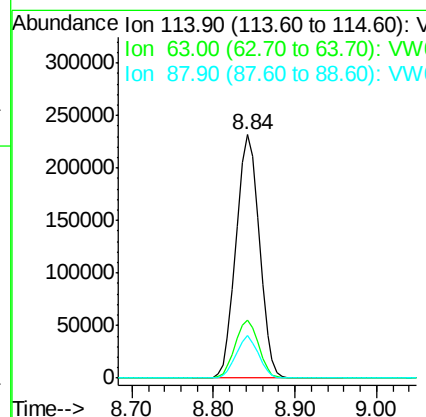
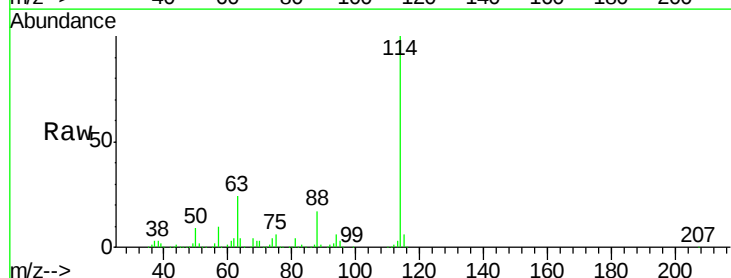
Manual Integrations
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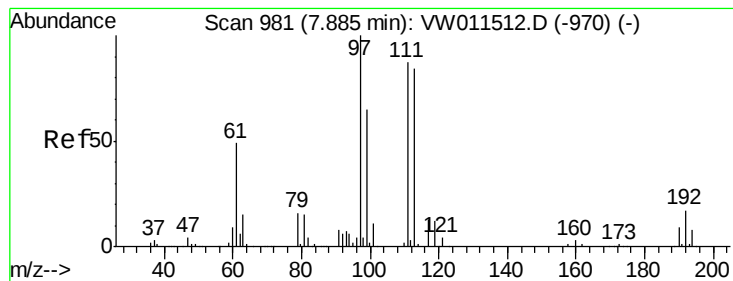
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 8/21/2019 8:28:52 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012021.D
 Acq: 20 Aug 2019 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	455397		
63	24.0	0.0	49.2	
88	17.4	0.0	33.8	





#35

Dibromofluoromethane

Concen: 52.315 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012021.D

Acq: 20 Aug 2019 10:43

Instrument :

MSVOA_W

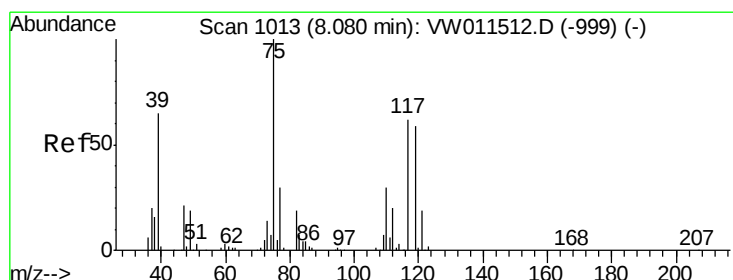
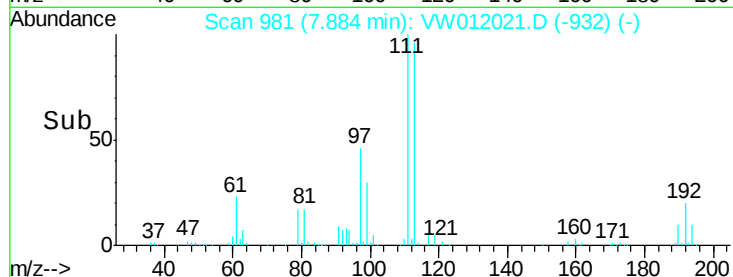
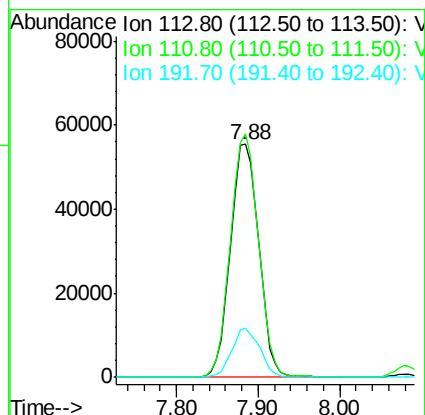
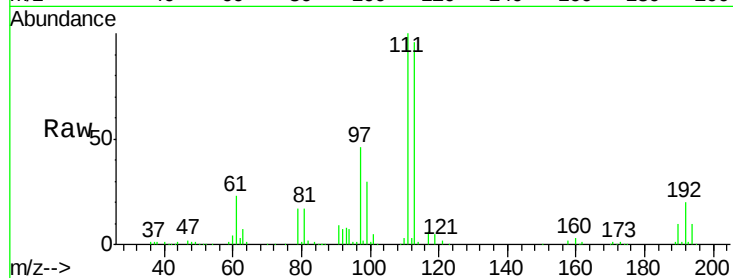
ClientSampleId :

VW0820SBS01

Tot Ion:	113	Resp:	133658
Ion Ratio	Lower	Upper	
113	100		
111	103.1	82.7	124.1
192	20.4	16.1	24.1

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 21.150 ug/l

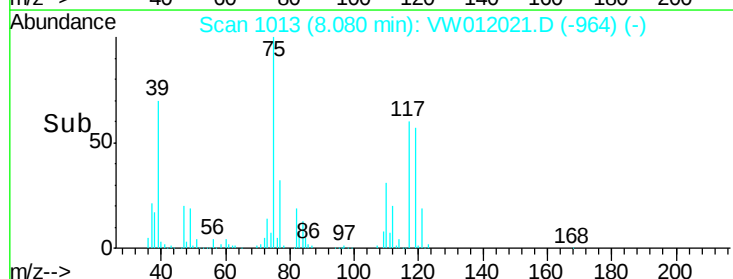
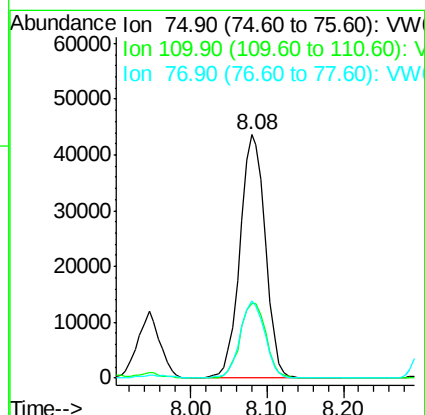
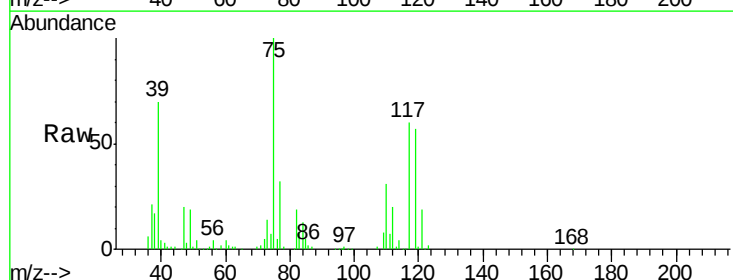
RT: 8.08 min Scan# 1013

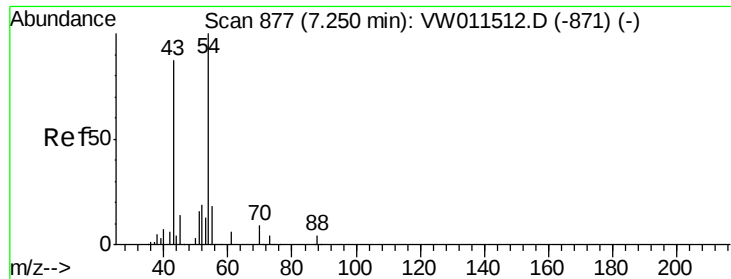
Delta R.T. -0.00 min

Lab File: VW012021.D

Acq: 20 Aug 2019 10:43

Tgt Ion:	75	Resp:	100152
Ion Ratio	Lower	Upper	
75	100		
110	31.5	15.6	46.8
77	31.2	24.3	36.5





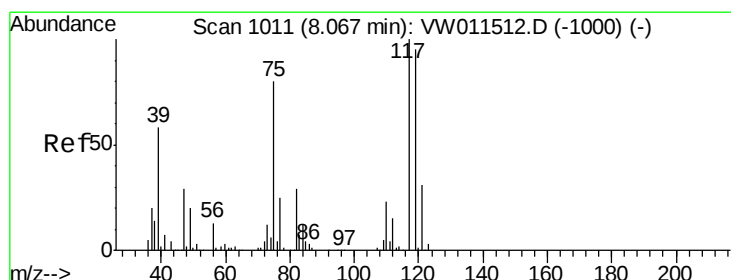
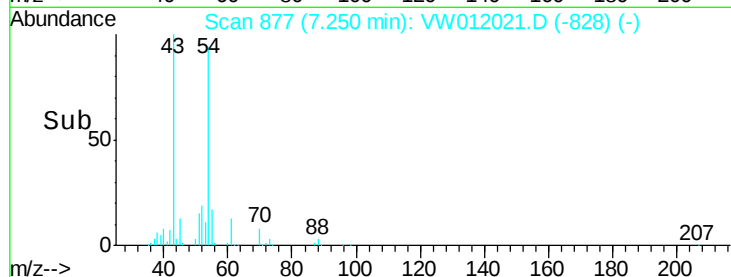
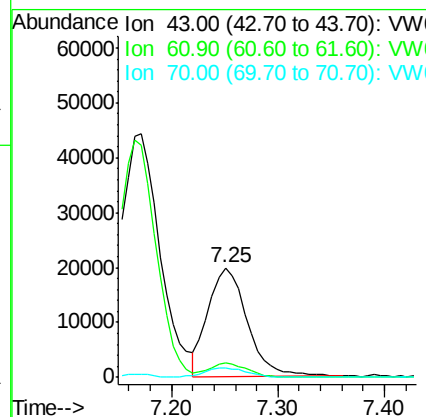
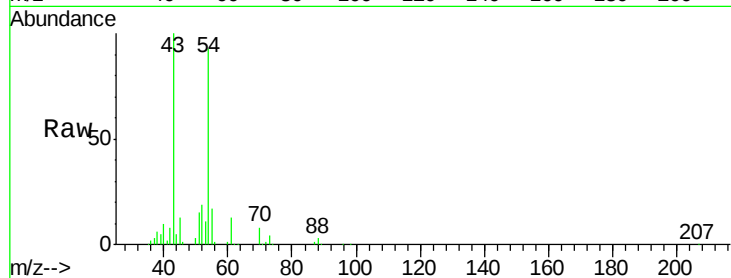
#37
Ethyl Acetate
Concen: 18.413 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012021.D
Acq: 20 Aug 2019 10:43

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.6	8.8	13.2
70	9.3	7.1	10.7

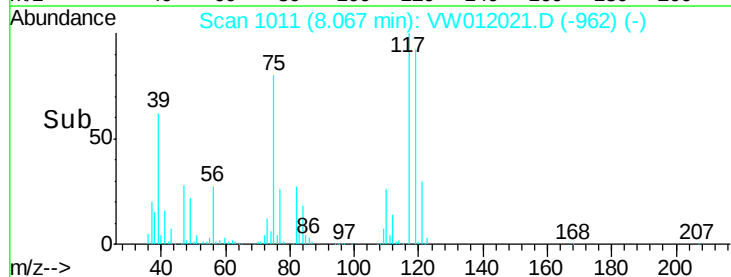
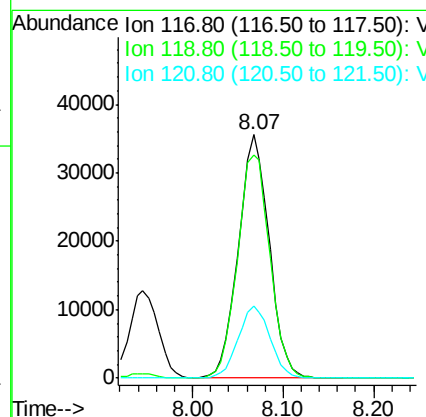
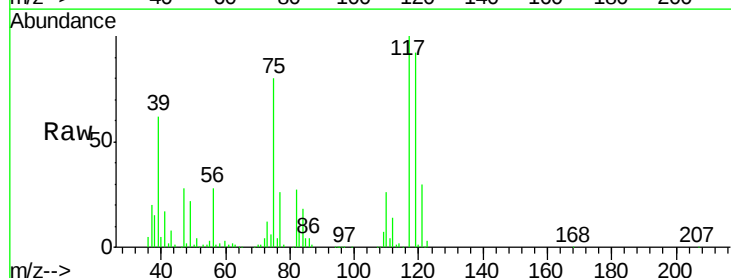
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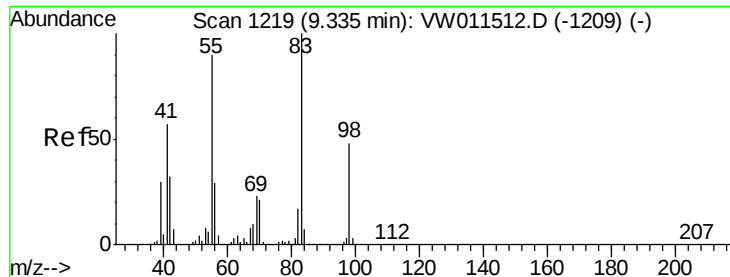
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8/21/2019 8:28:52 AM



#38
Carbon Tetrachloride
Concen: 20.672 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012021.D
Acq: 20 Aug 2019 10:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.6	75.8	113.6
121	29.7	24.7	37.1





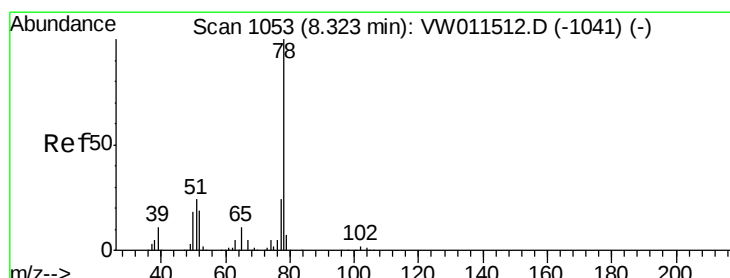
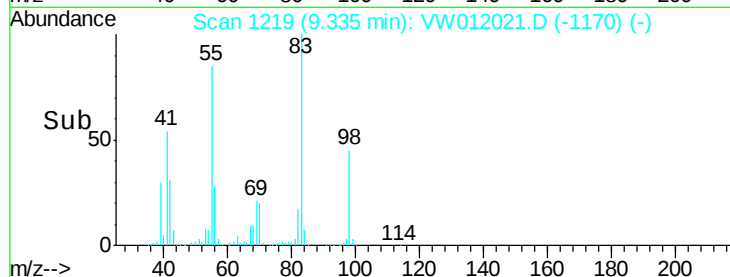
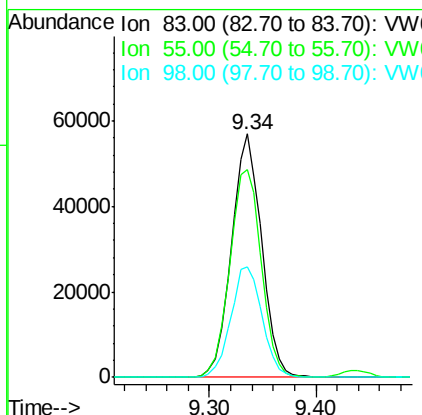
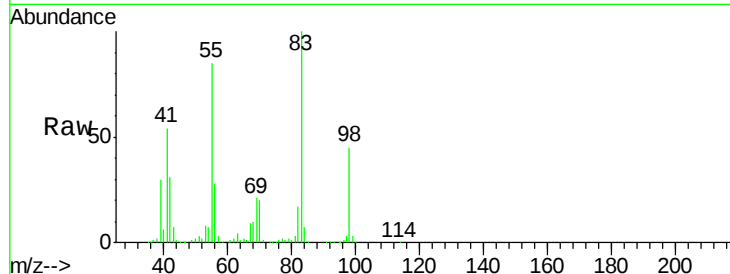
#39
Methylvlcyclohexane
Concen: 21.618 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012021.D
Acq: 20 Aug 2019 10:43

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	85.4	72.1	108.1	
98	45.3	38.6	57.8	

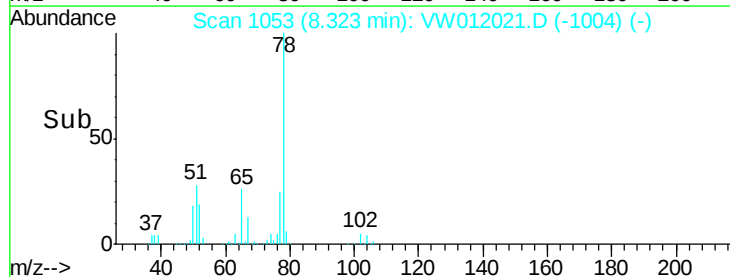
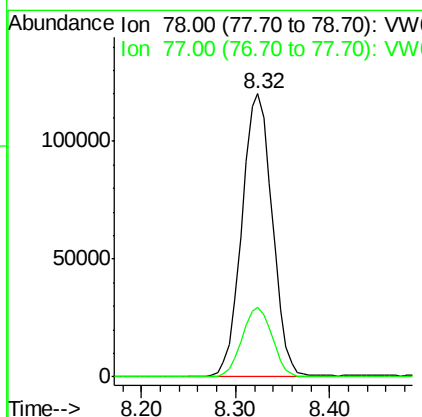
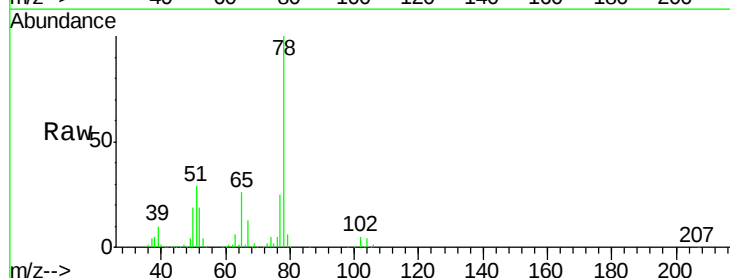
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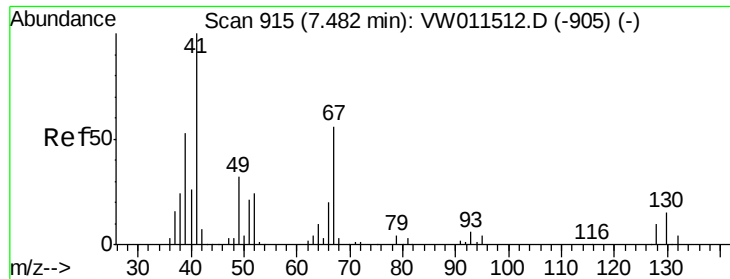
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#40
Benzene
Concen: 20.397 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012021.D
Acq: 20 Aug 2019 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.7	19.4	29.0	





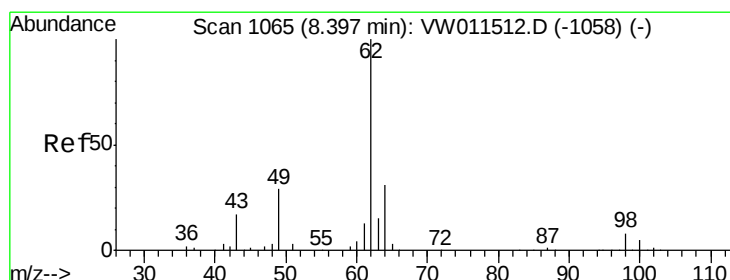
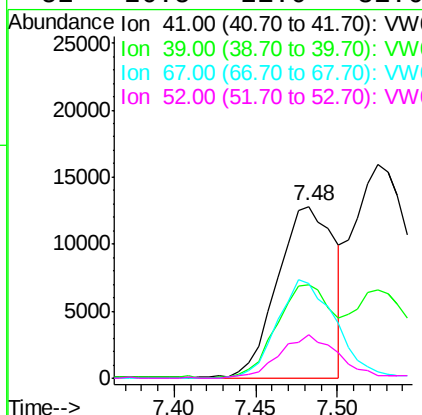
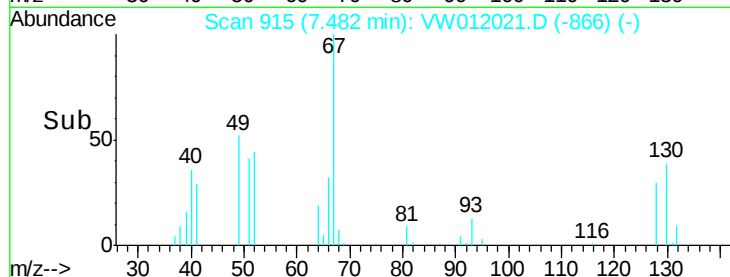
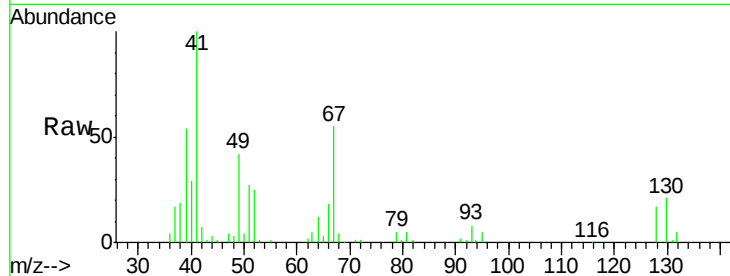
#41
Methacrylonitrile
Concen: 19.106 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW012021.D
Acq: 20 Aug 2019 10:43

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS01

Tot Ion	Ion	Ratio	Lower	Upper
31114	41	100		
	39	53.1	43.0	64.4
	67	59.4	47.5	71.3
	52	26.5	21.0	31.6

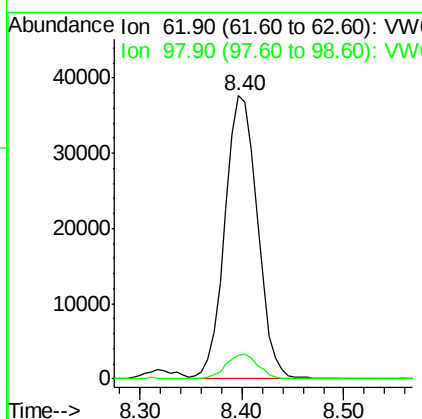
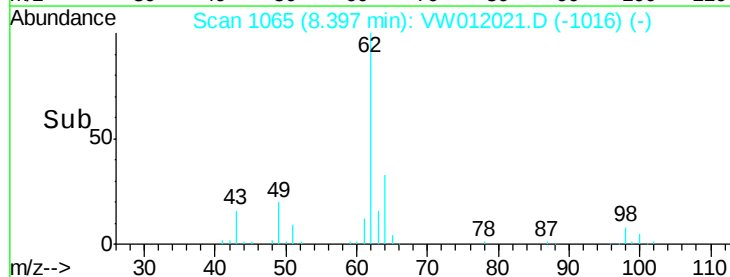
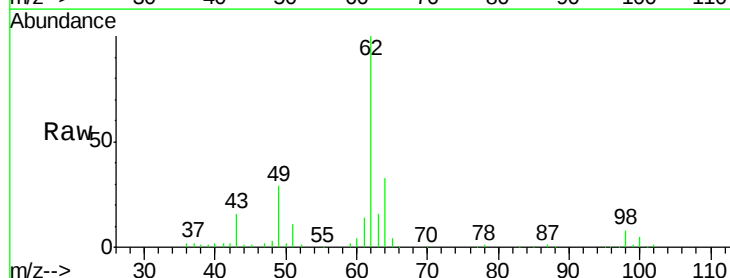
Manual Integrations
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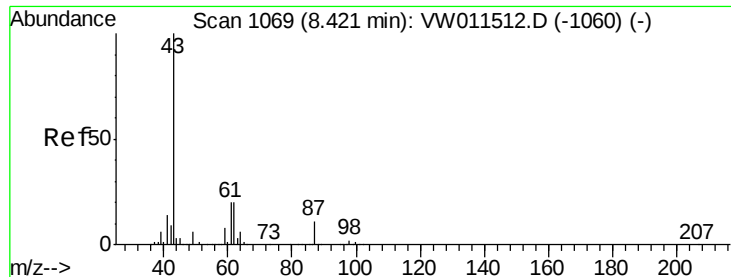
MMDadoda
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#42
1,2-Dichloroethane
Concen: 20.081 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012021.D
Acq: 20 Aug 2019 10:43

Tgt Ion	Ion	Ratio	Lower	Upper
83391	62	100		
	98	8.5	0.0	16.8





#43

Isopropyl Acetate

Concen: 19.473 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW012021.D

Acq: 20 Aug 2019 10:43

Instrument :

MSVOA_W

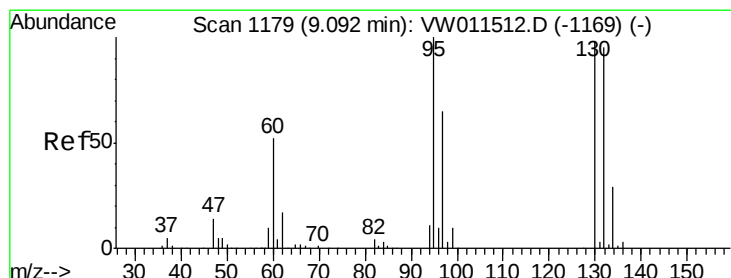
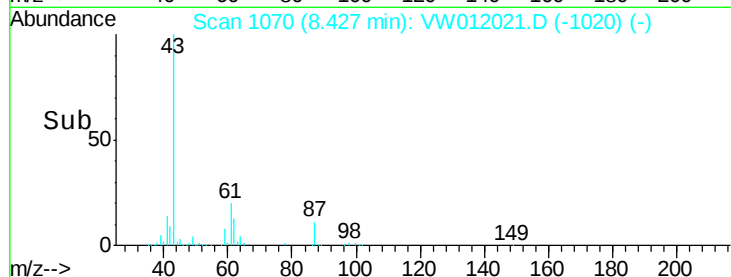
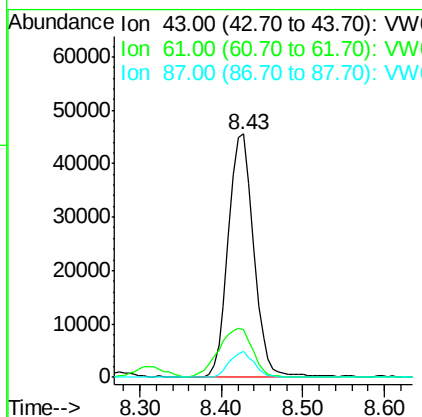
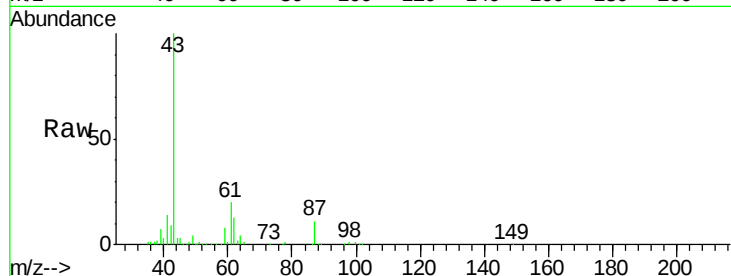
ClientSampleId :

VW0820SBS01

Tot Ion:	43	Resp:	97566
Ion	Ratio	Lower	Upper
43	100		
61	27.2	21.5	32.3
87	10.3	8.4	12.6

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#44

Trichloroethene

Concen: 21.006 ug/l

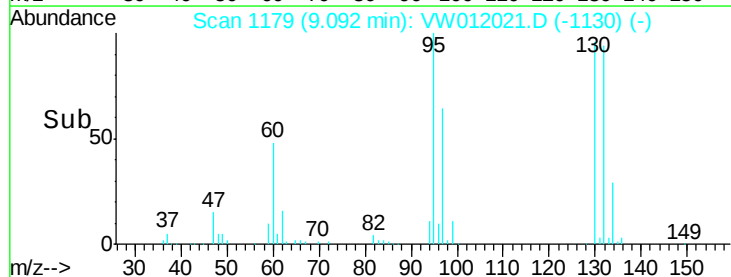
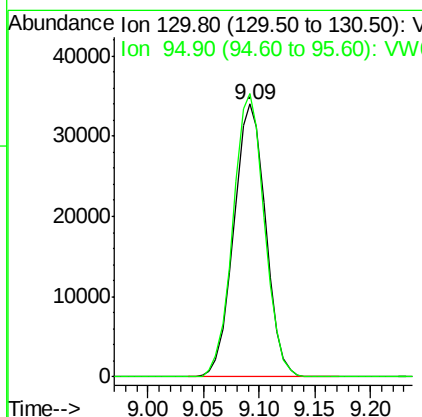
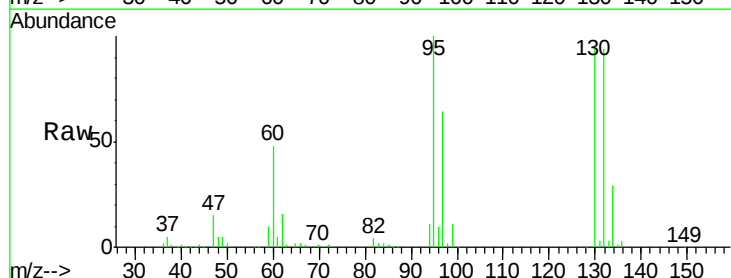
RT: 9.09 min Scan# 1179

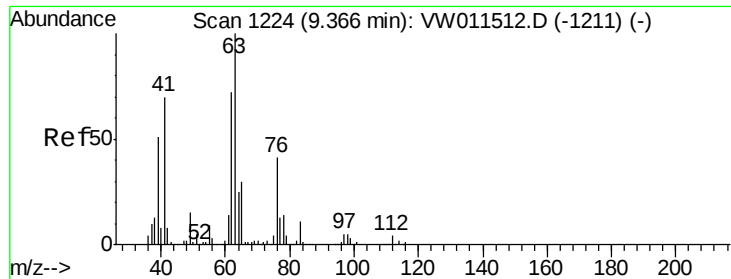
Delta R.T. -0.00 min

Lab File: VW012021.D

Acq: 20 Aug 2019 10:43

Tgt Ion:	130	Resp:	66967
Ion	Ratio	Lower	Upper
130	100		
95	103.8	0.0	204.8





#45

1,2-Dichloropropane

Concen: 20.496 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW012021.D

Acq: 20 Aug 2019 10:43

Instrument :

MSVOA_W

ClientSampleId :

VW0820SBS01

Tot Ion: 63 Resp: 72738

Ion Ratio Lower Upper

63 100

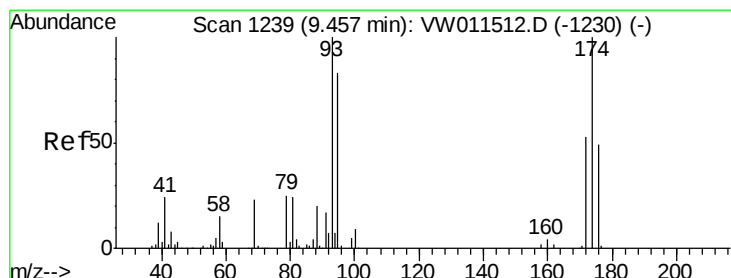
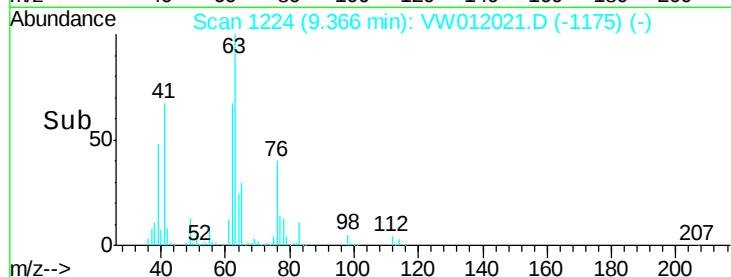
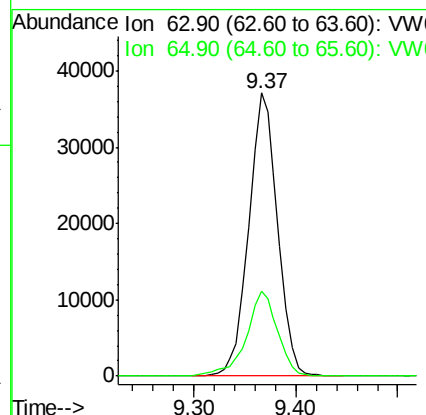
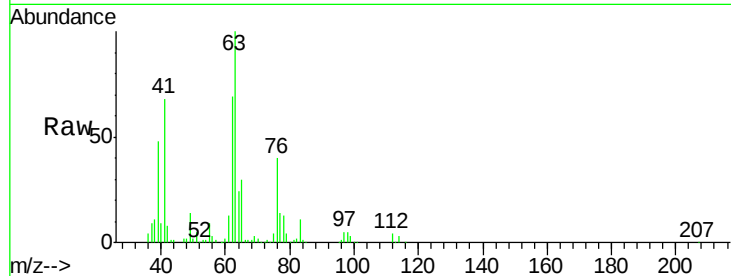
65 30.0 24.2 36.4

Manual Integrations

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#46

Dibromomethane

Concen: 19.863 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW012021.D

Acq: 20 Aug 2019 10:43

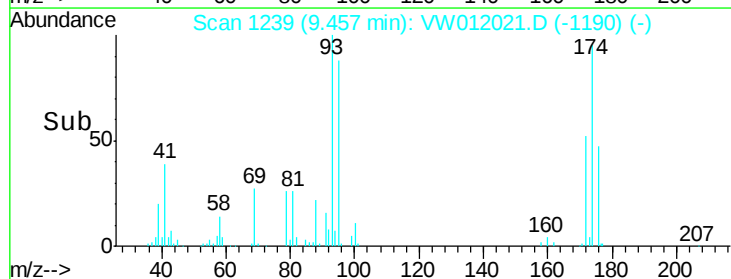
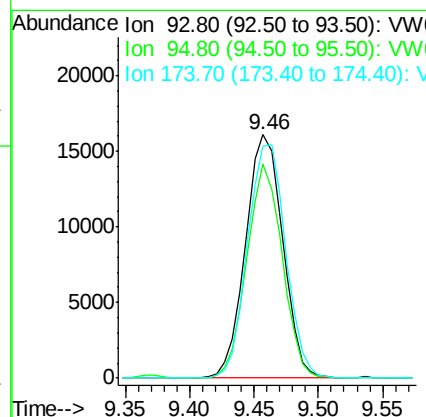
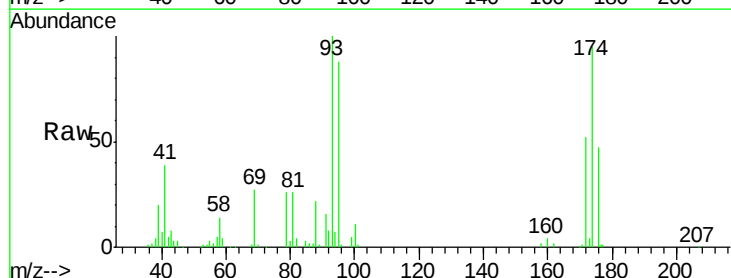
Tgt Ion: 93 Resp: 32175

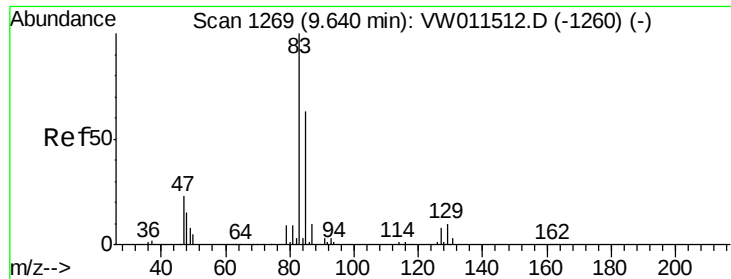
Ion Ratio Lower Upper

93 100

95 83.7 66.2 99.2

174 98.5 78.2 117.4





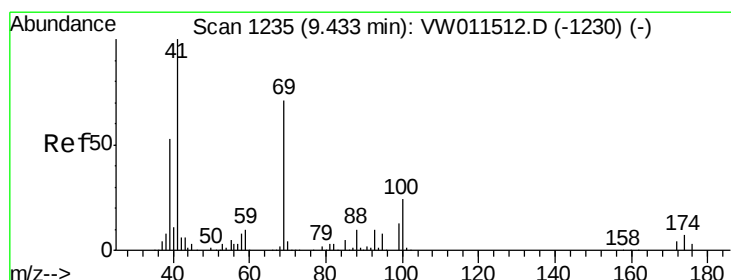
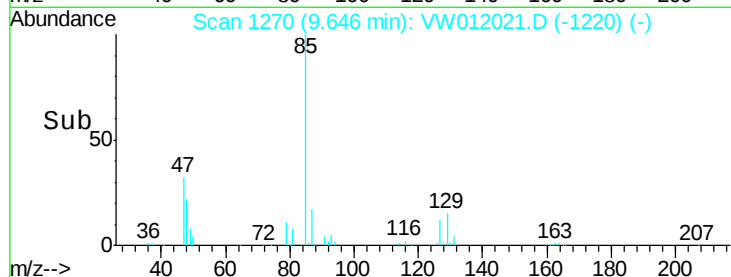
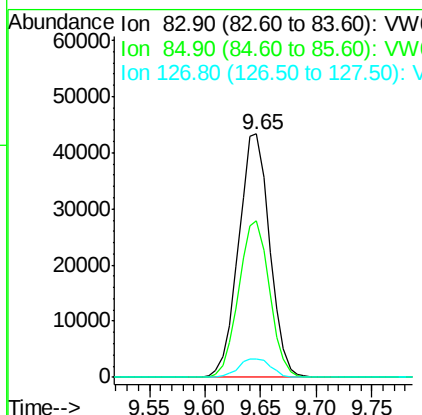
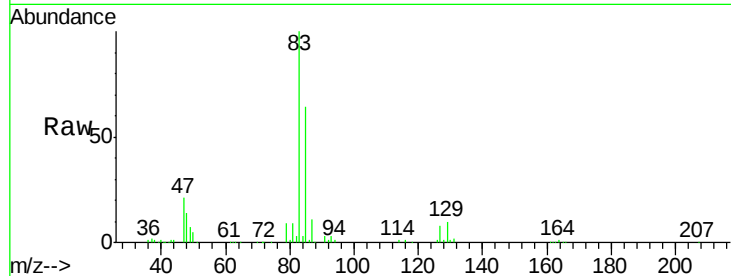
#47
Bromodichloromethane
Concen: 19.792 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW012021.D
Acq: 20 Aug 2019 10:43

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS01

Tot Ion	83	Resp	84096
Ion Ratio	100		
Lower	50.5		
Upper	75.7		
85	64.1		
127	7.8		

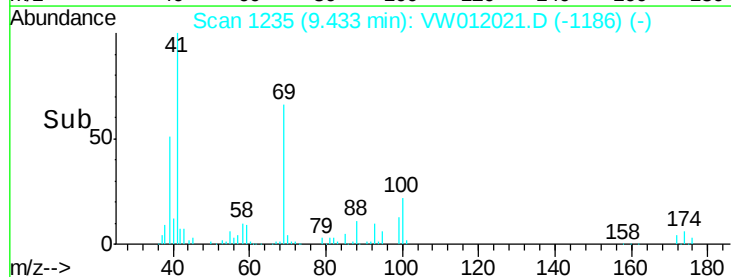
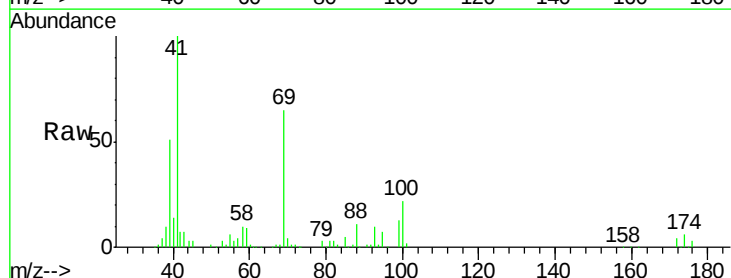
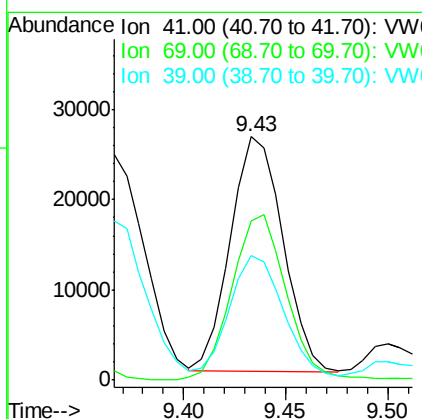
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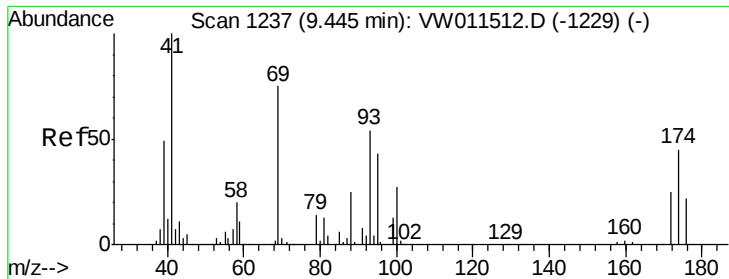
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#48
Methyl methacrylate
Concen: 19.253 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW012021.D
Acq: 20 Aug 2019 10:43

Tgt Ion	41	Resp	46336
Ion Ratio	100		
Lower	57.1		
Upper	85.7		
69	74.5		
39	51.5		





#49

1,4-Dioxane

Concen: 424.195 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VW012021.D

Acq: 20 Aug 2019 10:43

Instrument :

MSVOA_W

ClientSampleId :

VW0820SBSD01

Tot Ion: 88 Resp: 9949

Ion Ratio Lower Upper

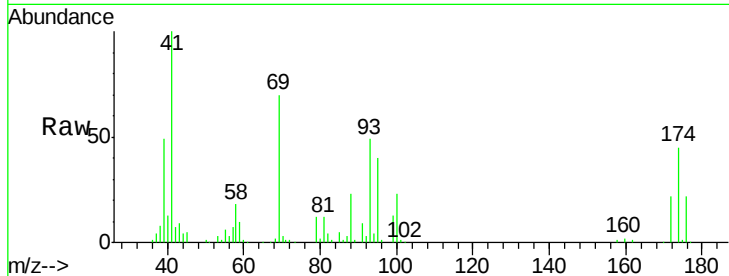
88 100

43 39.0 34.0 51.0

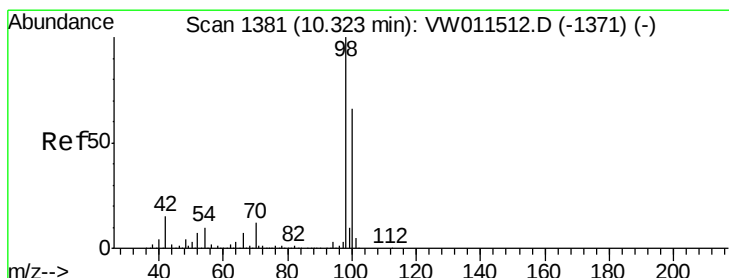
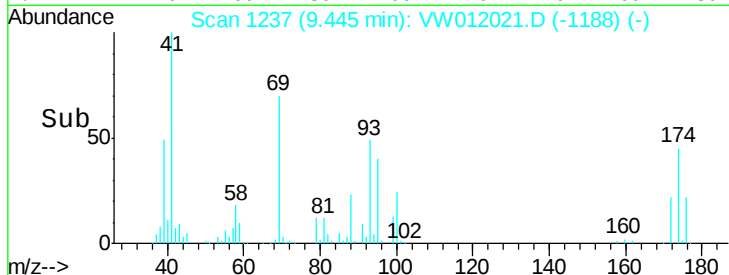
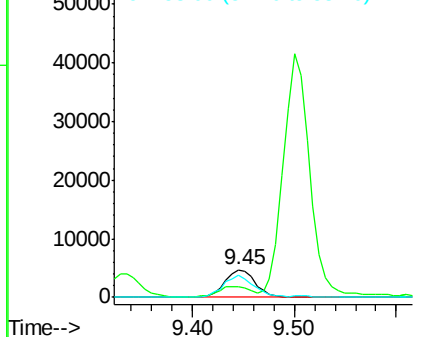
58 78.4 69.7 104.5

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Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 52.522 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012021.D

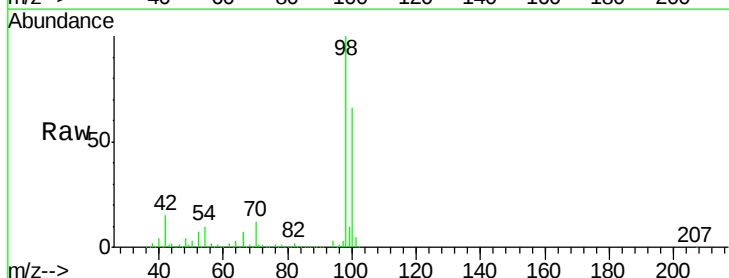
Acq: 20 Aug 2019 10:43

Tgt Ion: 98 Resp: 549400

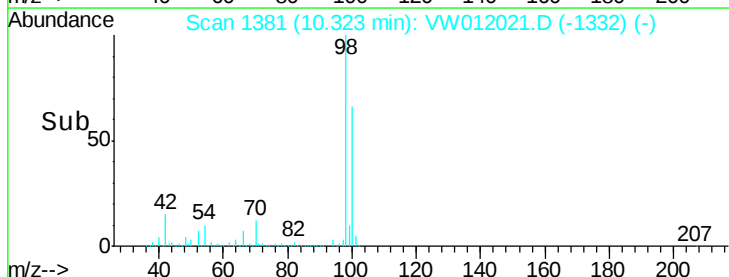
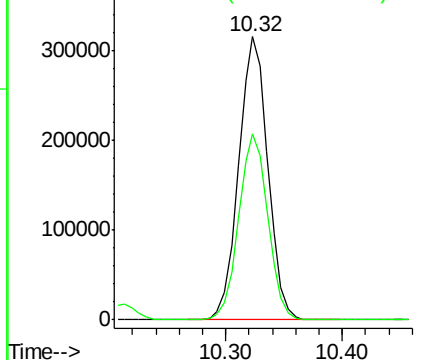
Ion Ratio Lower Upper

98 100

100 65.6 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 96.703 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012021.D

Acq: 20 Aug 2019 10:43

Instrument :

MSVOA_W

ClientSampleId :

VW0820SBS01

Tot Ion: 43 Resp: 252018

Ion Ratio Lower Upper

43 100

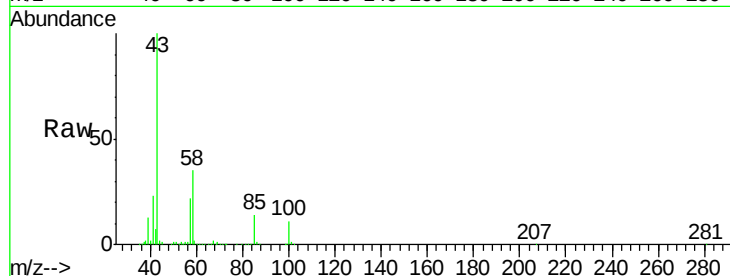
58 35.3 28.2 42.2

Manual Integrations

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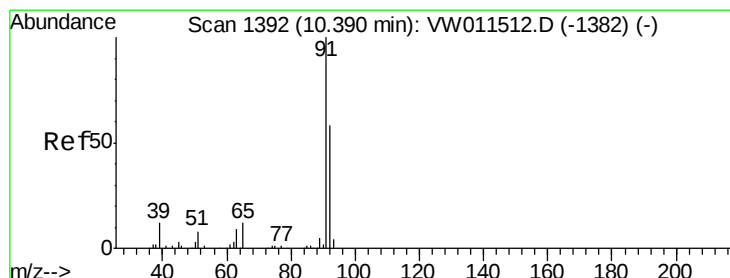
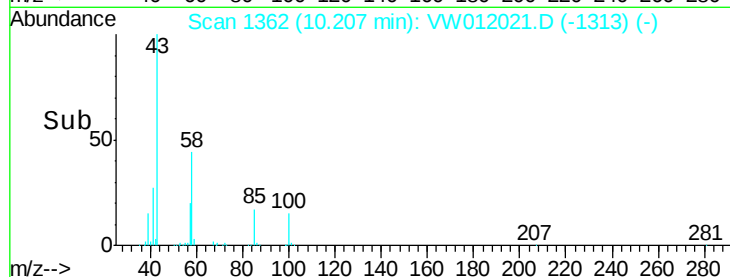
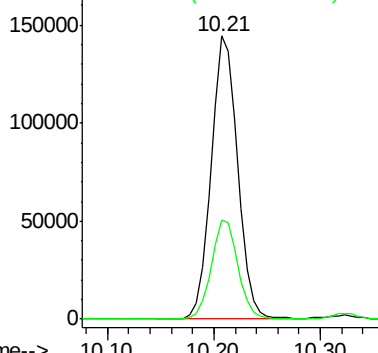
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 20.686 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW012021.D

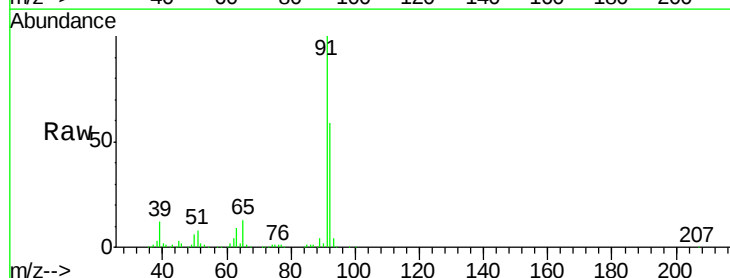
Acq: 20 Aug 2019 10:43

Tgt Ion: 92 Resp: 165694

Ion Ratio Lower Upper

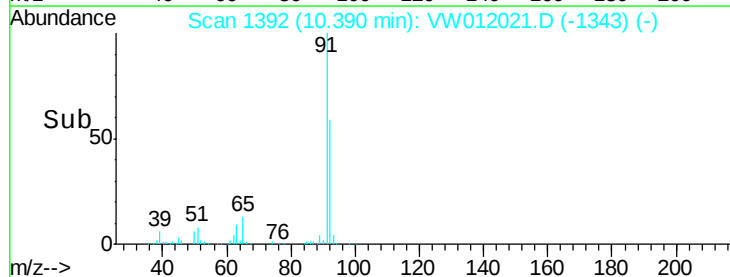
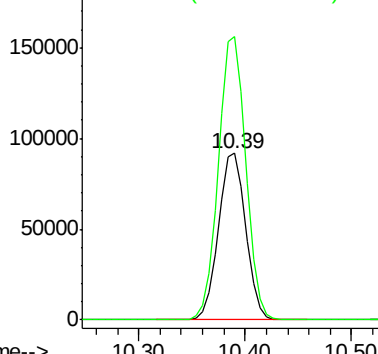
92 100

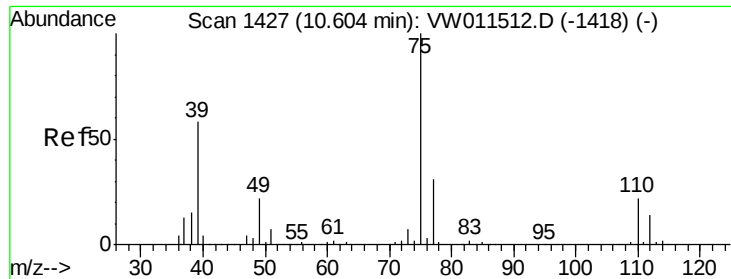
91 170.4 136.7 205.1



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





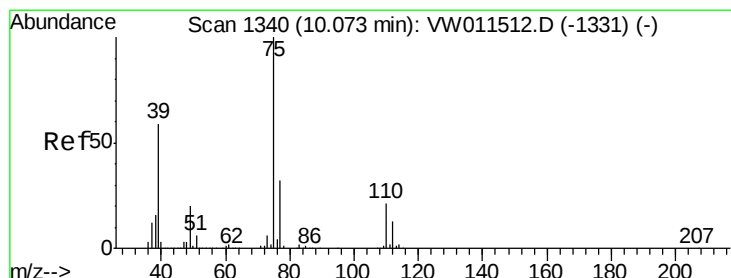
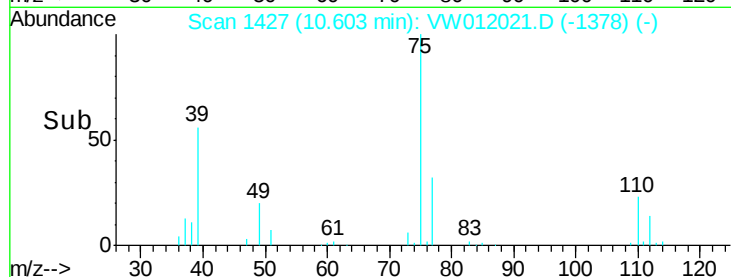
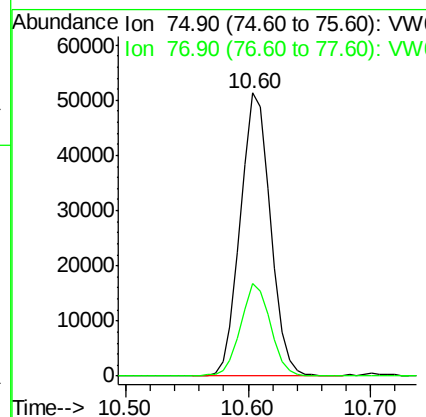
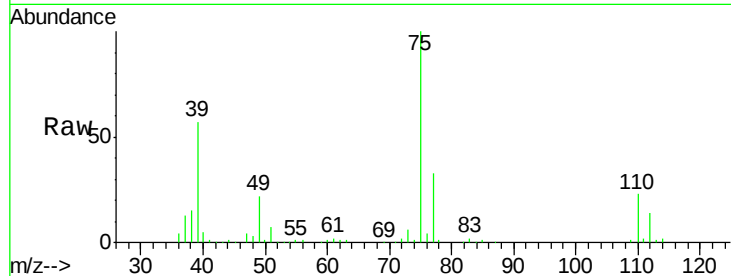
#53
t-1,3-Dichloropropene
Concen: 19.722 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW012021.D
Acq: 20 Aug 2019 10:43

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBSD01

Tot Ion: 75 Resp: 87537
Ion Ratio Lower Upper
75 100
77 32.4 25.0 37.4

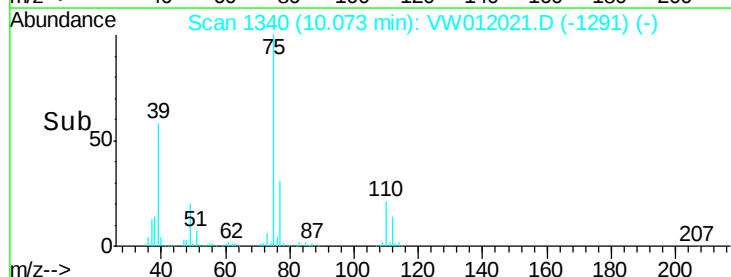
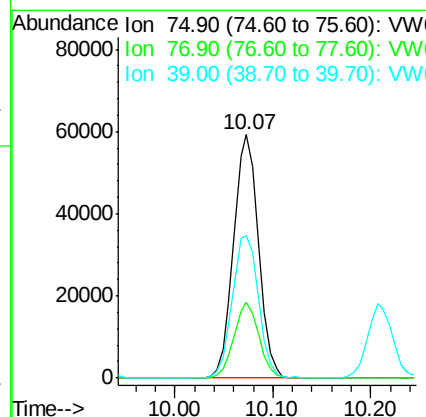
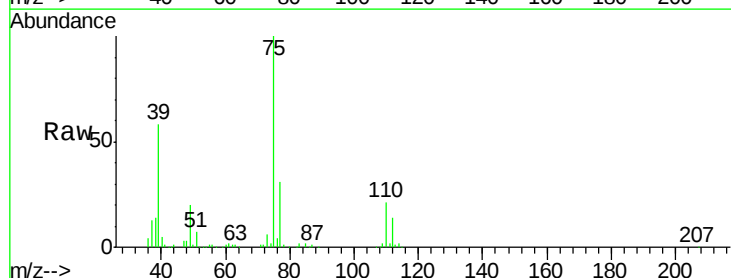
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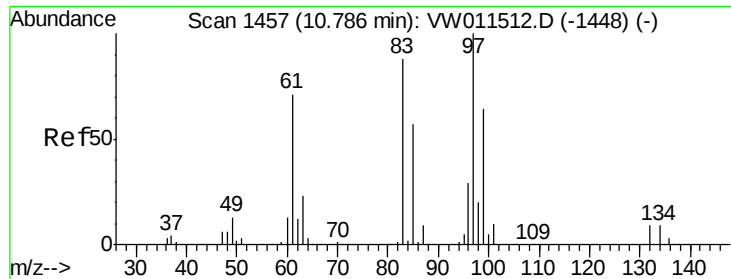
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 19.896 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW012021.D
Acq: 20 Aug 2019 10:43

Tgt Ion: 75 Resp: 105000
Ion Ratio Lower Upper
75 100
77 31.3 25.6 38.4
39 58.2 47.0 70.4





#55

1,1,2-Trichloroethane

Concen: 20.089 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW012021.D

Acq: 20 Aug 2019 10:43

Instrument :

MSVOA_W

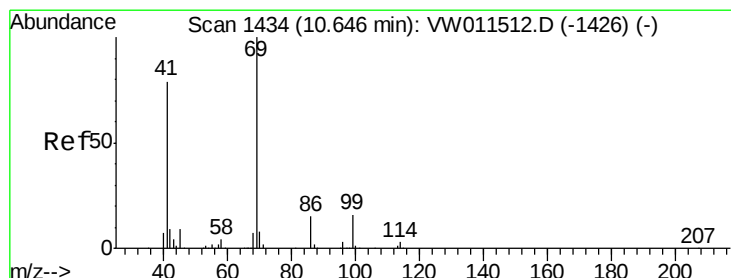
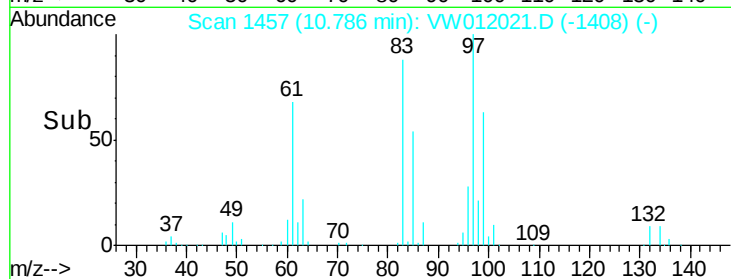
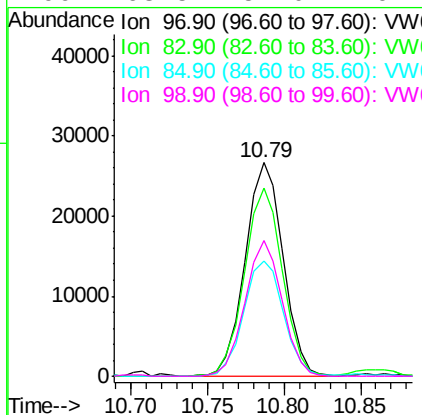
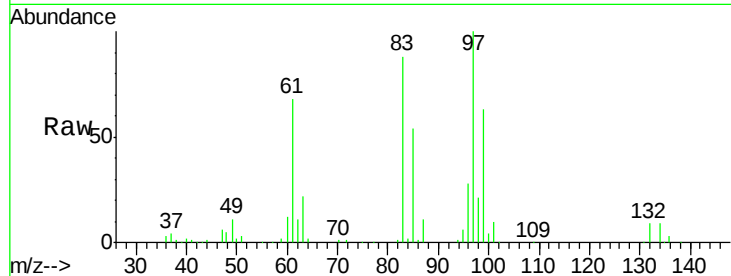
ClientSampleId :

VW0820SBS01

Tot Ion:	97	Resp:	46170
Ion	Ratio	Lower	Upper
97	100		
83	87.8	70.5	105.7
85	54.2	45.8	68.6
99	63.5	51.0	76.4

Manual Integrations
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#56

Ethyl methacrylate

Concen: 19.706 ug/l

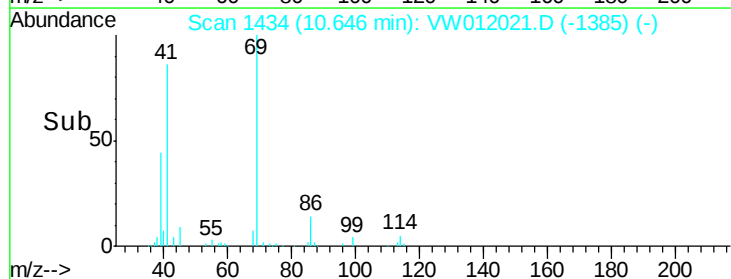
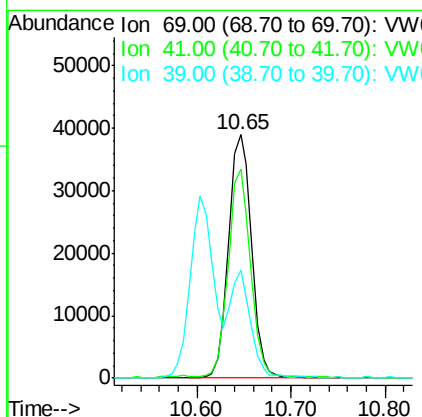
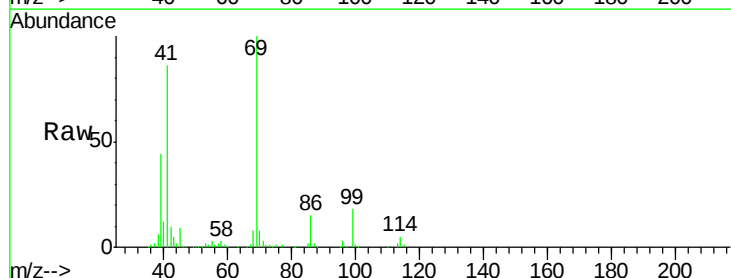
RT: 10.65 min Scan# 1434

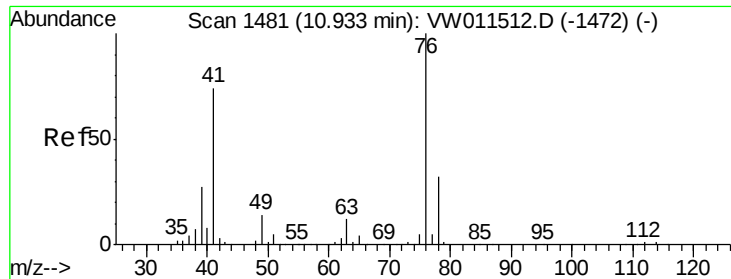
Delta R.T. -0.00 min

Lab File: VW012021.D

Acq: 20 Aug 2019 10:43

Tgt Ion:	69	Resp:	66273
Ion	Ratio	Lower	Upper
69	100		
41	81.2	66.6	99.8
39	38.7	30.3	45.5





#57

1,3-Dichloropropane

Concen: 19.896 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW012021.D

Acq: 20 Aug 2019 10:43

Instrument :

MSVOA_W

ClientSampleId :

VW0820SBSD01

Tot Ion: 76 Resp: 86508

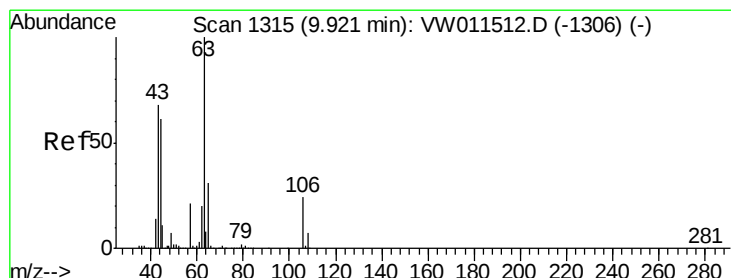
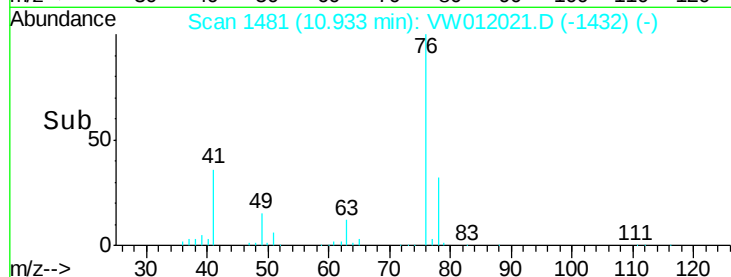
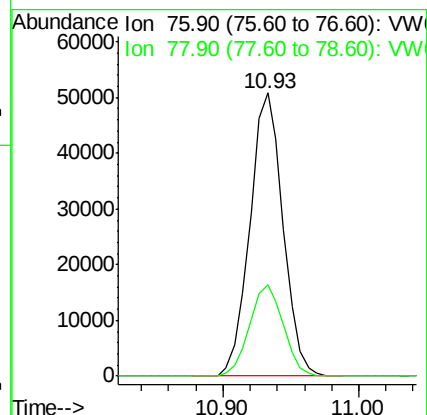
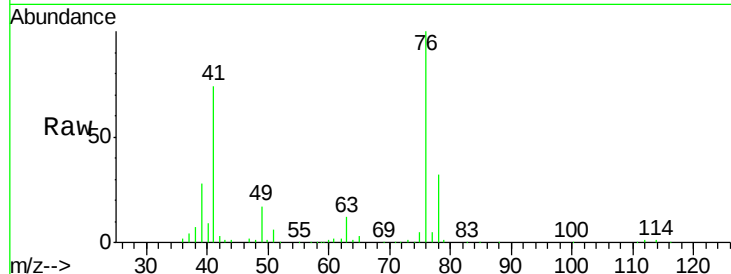
Ion Ratio Lower Upper

76 100

78 33.0 25.2 37.8

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 111.972 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VW012021.D

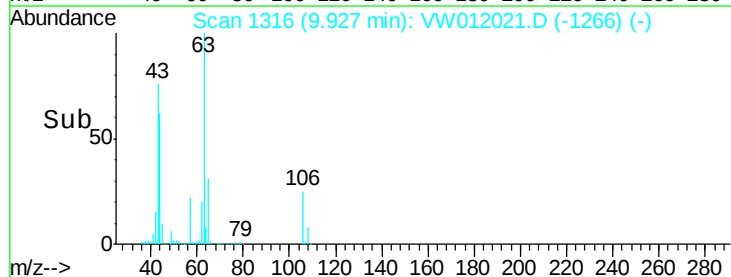
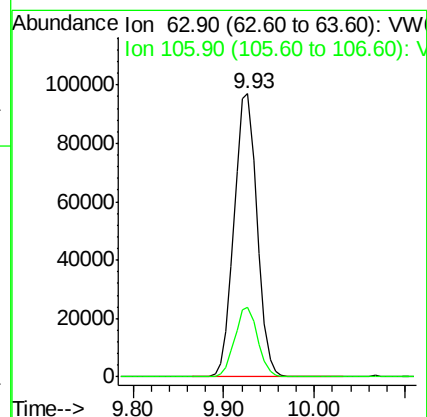
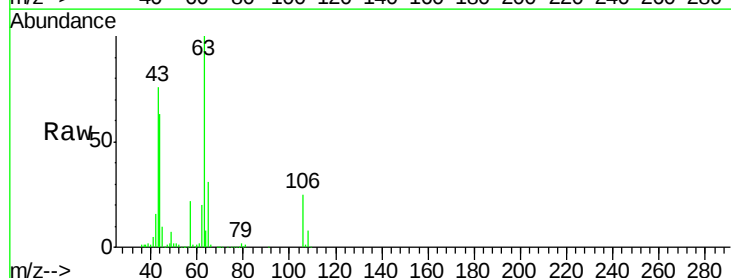
Acq: 20 Aug 2019 10:43

Tgt Ion: 63 Resp: 170979

Ion Ratio Lower Upper

63 100

106 24.8 19.7 29.5





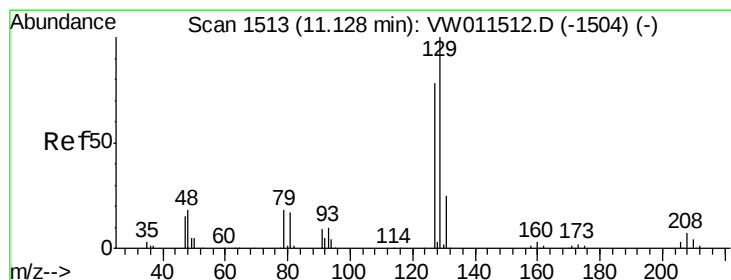
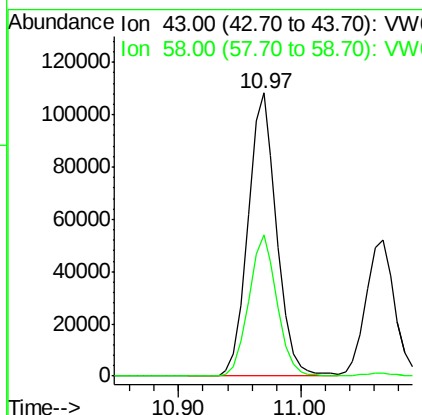
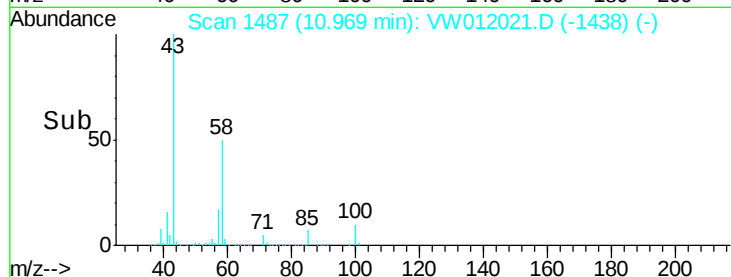
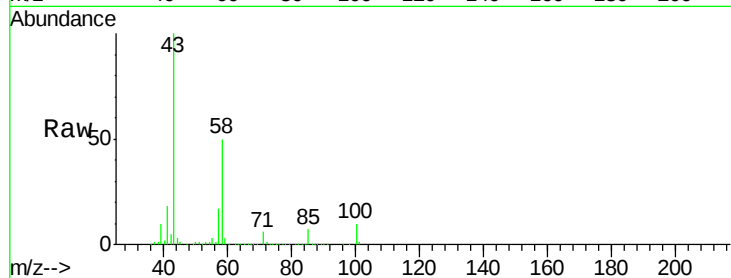
#59
2-Hexanone
Concen: 95.557 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012021.D
Acq: 20 Aug 2019 10:43

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS01

Tot Ion: 43 Resp: 175831
Ion Ratio Lower Upper
43 100
58 49.5 24.3 72.9

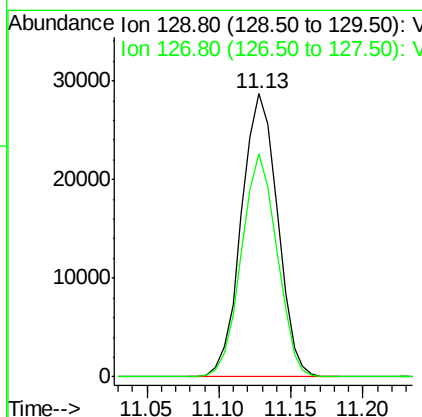
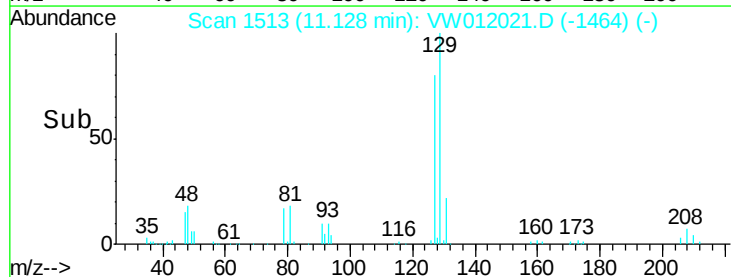
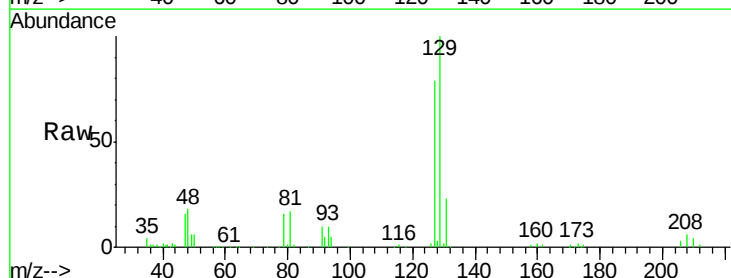
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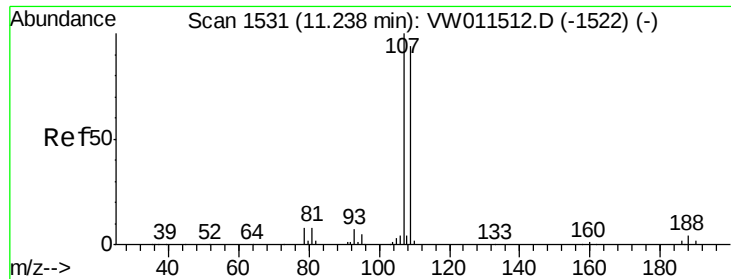
MMDadoda
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#60
Dibromochloromethane
Concen: 19.576 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012021.D
Acq: 20 Aug 2019 10:43

Tgt Ion: 129 Resp: 49941
Ion Ratio Lower Upper
129 100
127 77.7 38.9 116.7





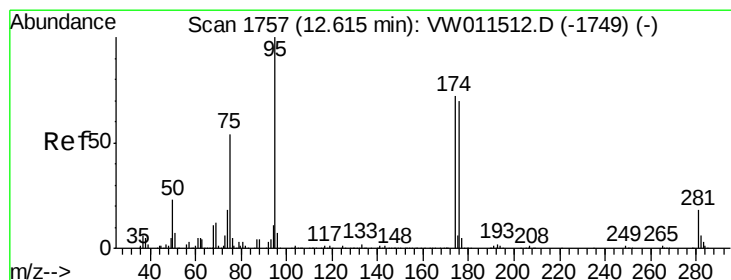
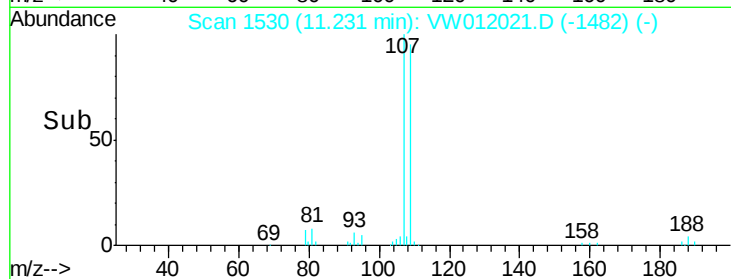
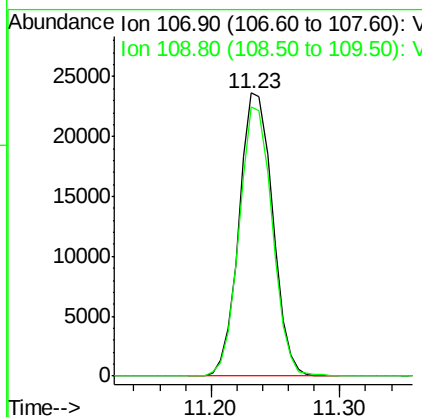
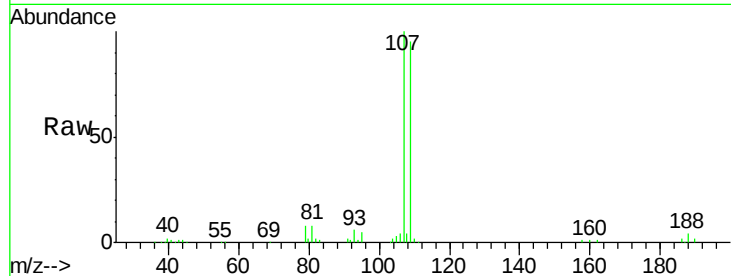
#61
 1,2-Dibromoethane
 Concen: 19.647 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW012021.D
 Acq: 20 Aug 2019 10:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0820SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.5	75.0	112.6

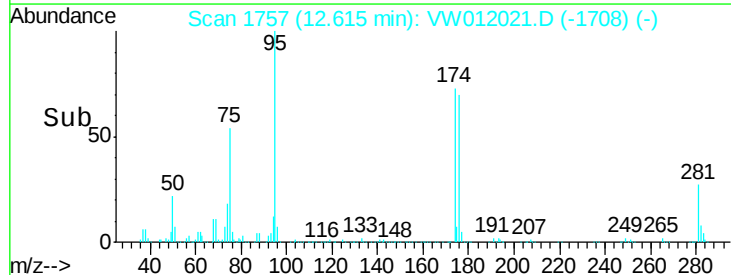
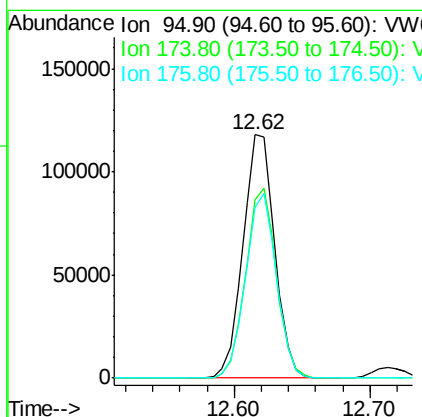
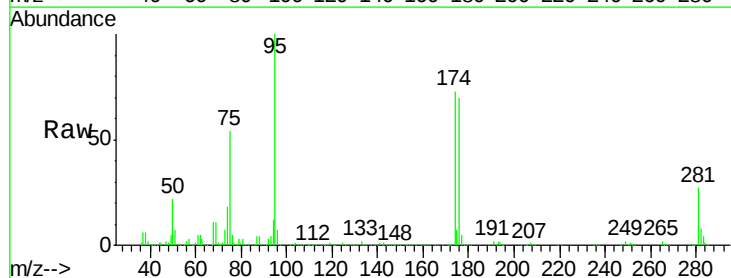
Manual Integrations
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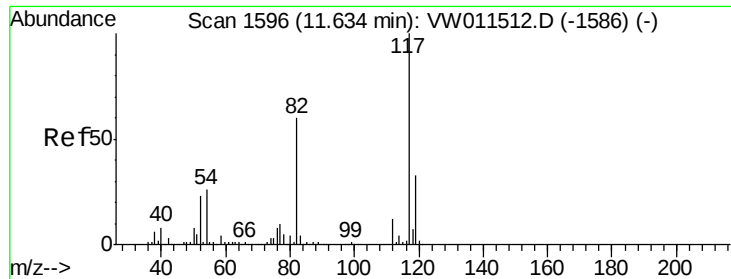
MMDadoda
 8/21/2019 8:28:52 AM



#62
 4-Bromofluorobenzene
 Concen: 51.488 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012021.D
 Acq: 20 Aug 2019 10:43

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.1	0.0	150.2
176	74.2	0.0	144.4





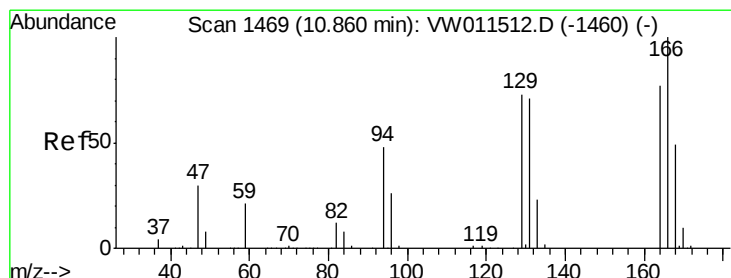
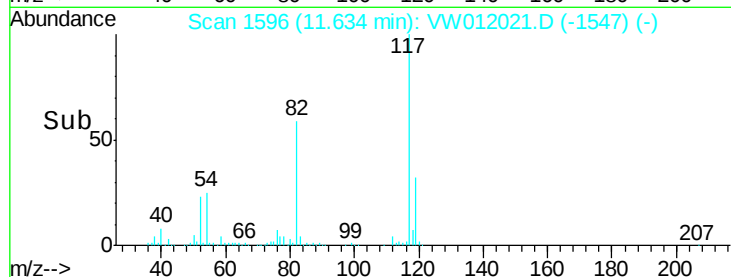
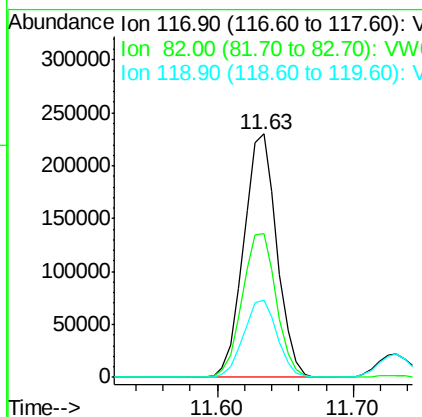
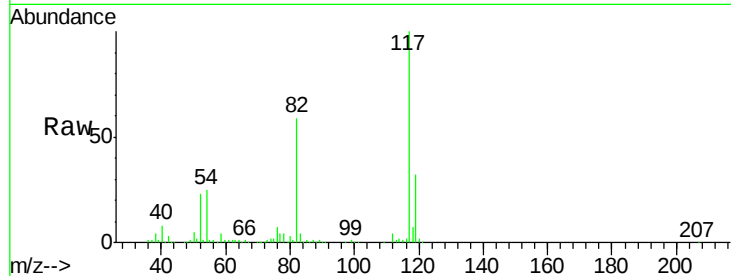
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012021.D
Acq: 20 Aug 2019 10:43

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	391851		
82	59.2	47.9	71.9	
119	31.8	26.2	39.2	

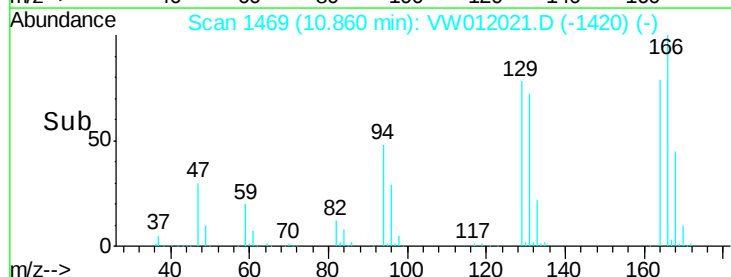
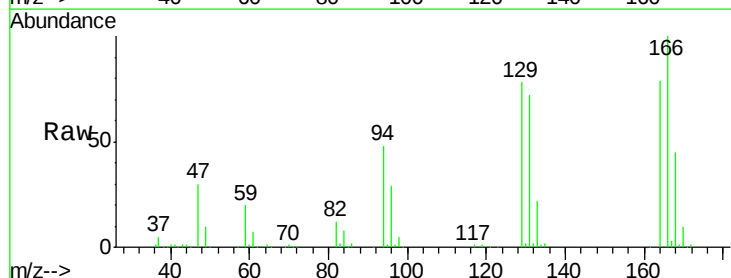
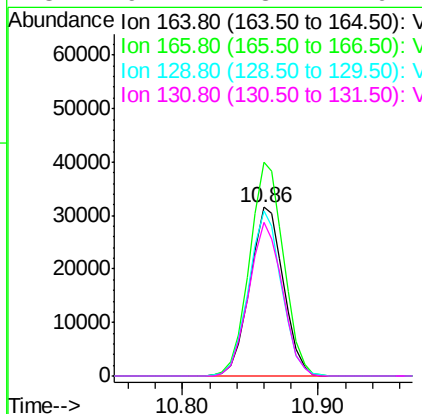
Manual Integrations
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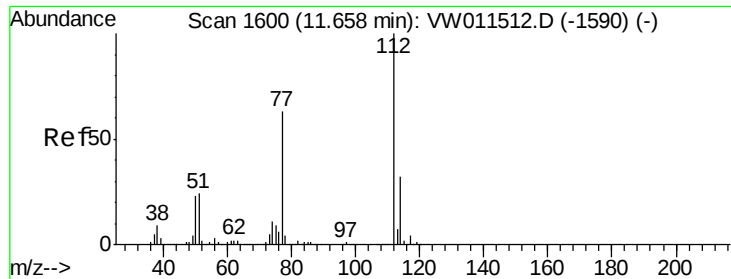
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#64
Tetrachloroethene
Concen: 21.441 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012021.D
Acq: 20 Aug 2019 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	54703		
166	126.8	103.5	155.3	
129	98.4	75.2	112.8	
131	91.1	73.4	110.2	





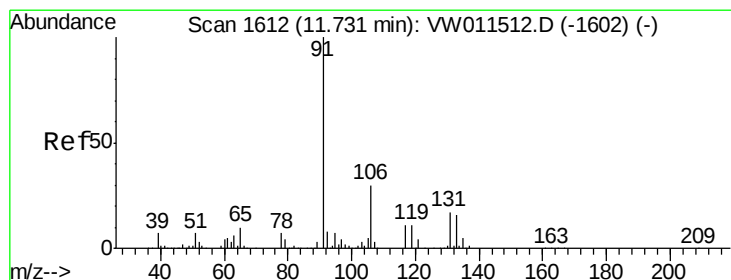
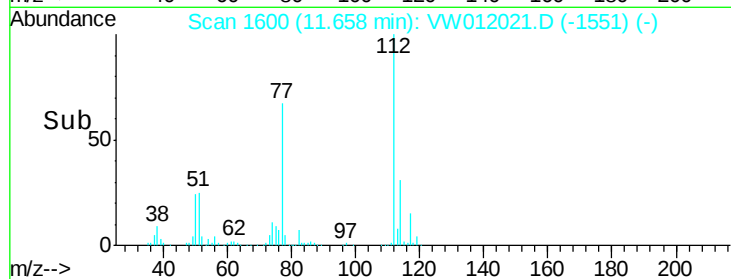
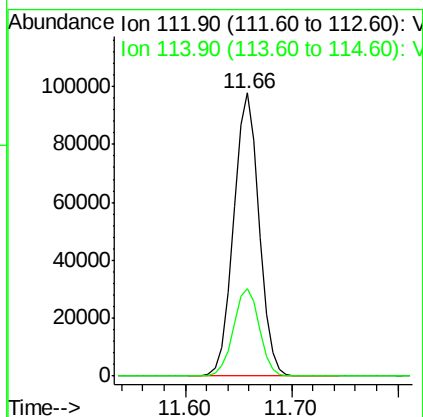
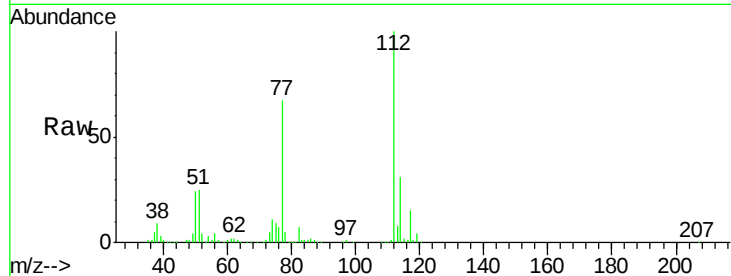
#65
Chlorobenzene
Concen: 20.819 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012021.D
Acq: 20 Aug 2019 10:43

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	164012		
114	30.9	25.6	38.4	

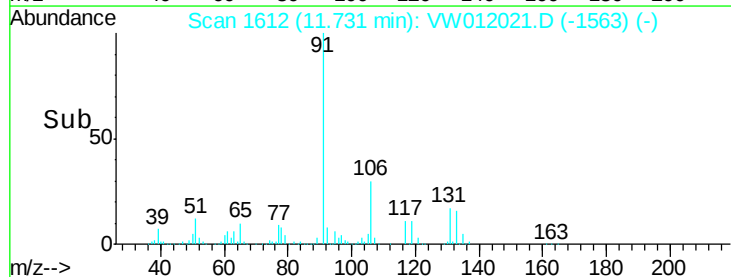
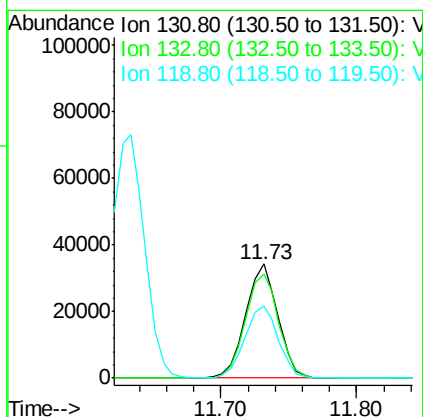
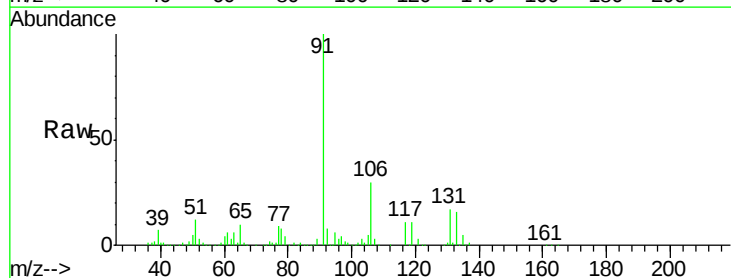
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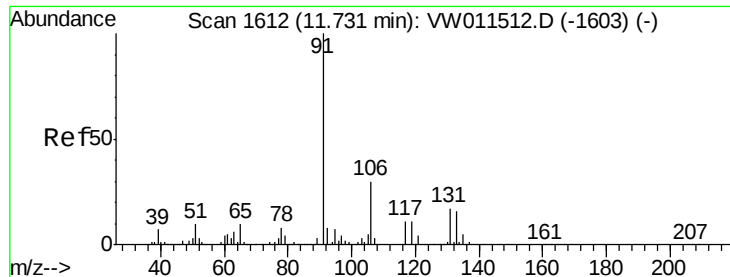
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.673 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012021.D
Acq: 20 Aug 2019 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	56730		
133	94.6	47.4	142.2	
119	65.2	32.3	96.9	





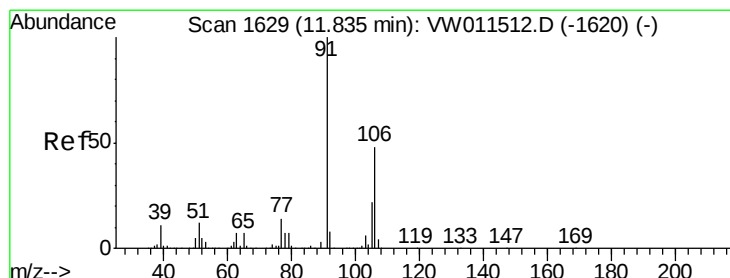
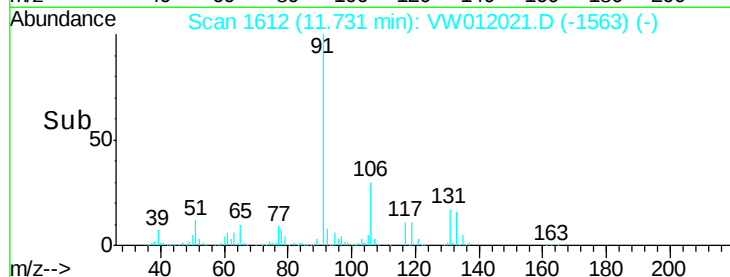
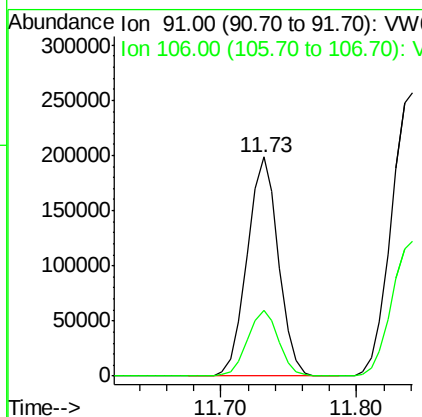
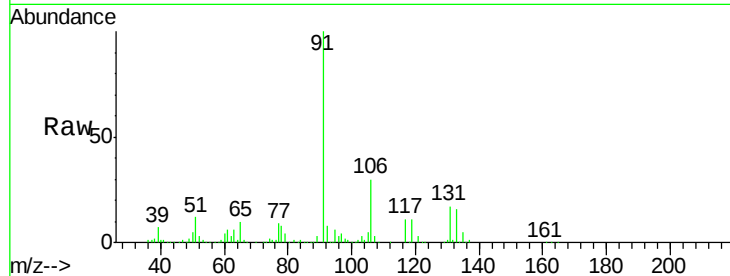
#67
Ethyl Benzene
Concen: 21.311 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012021.D
Acq: 20 Aug 2019 10:43

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.2	23.8	35.6

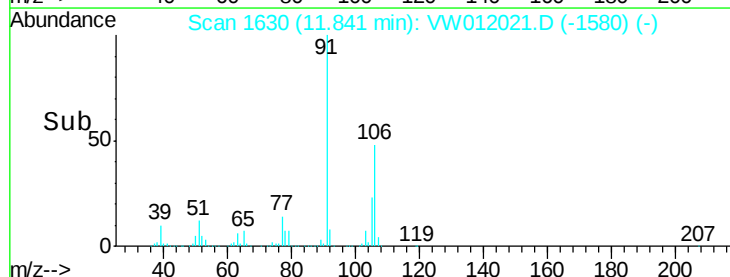
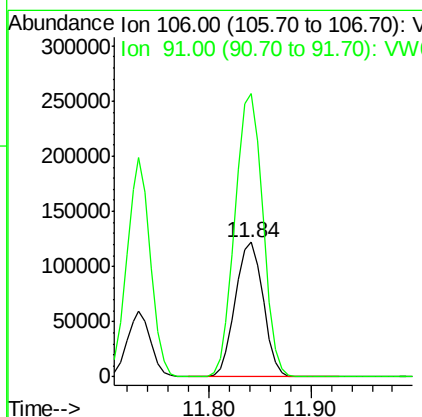
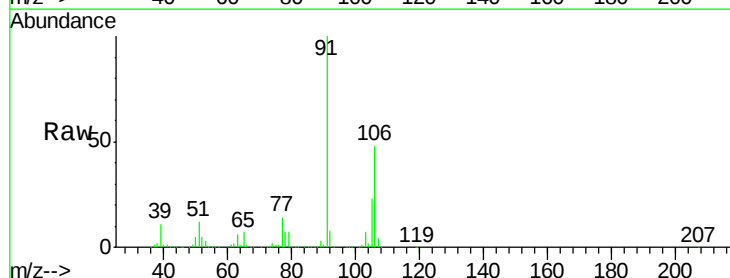
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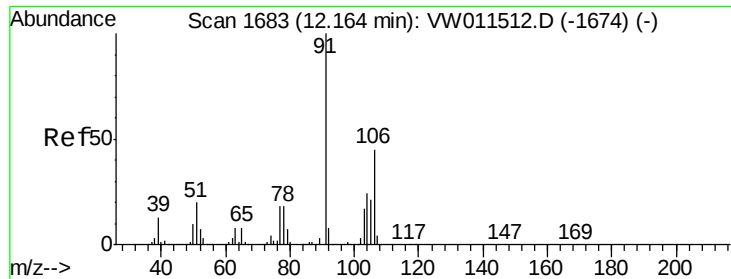
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#68
m/p-Xylenes
Concen: 42.395 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW012021.D
Acq: 20 Aug 2019 10:43

Tgt Ion	Ratio	Lower	Upper
106	100		
91	209.5	168.2	252.2





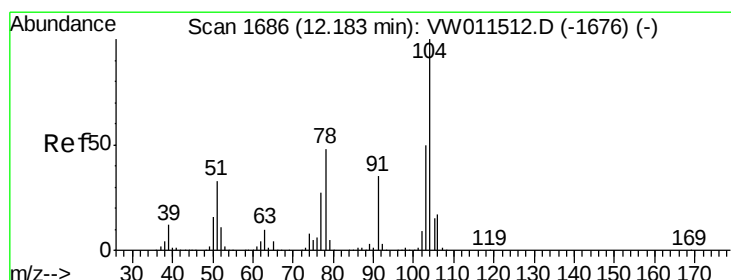
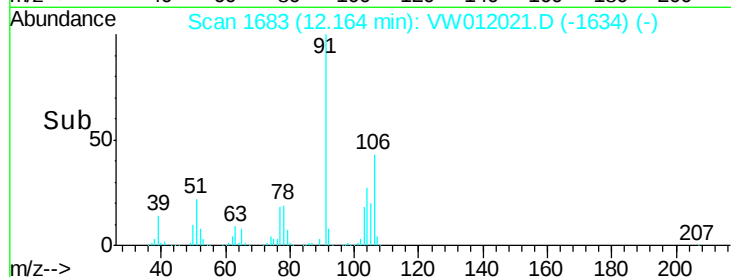
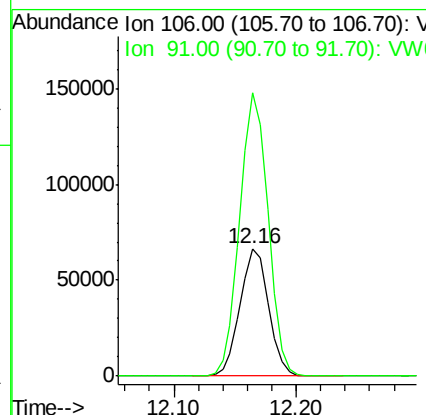
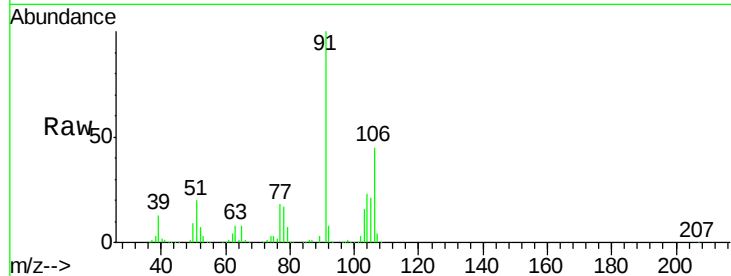
#69
o-Xylene
Concen: 21.238 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012021.D
Acq: 20 Aug 2019 10:43

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	107686		
91	220.0	110.5	331.5		

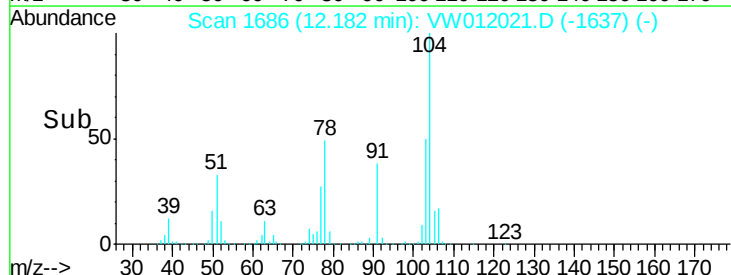
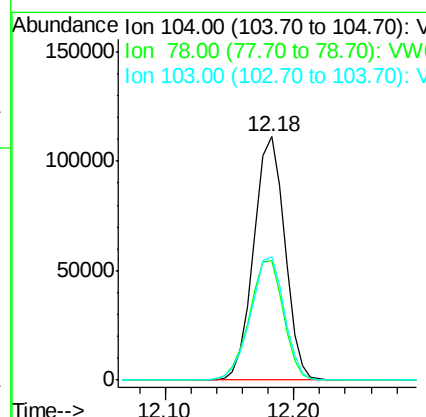
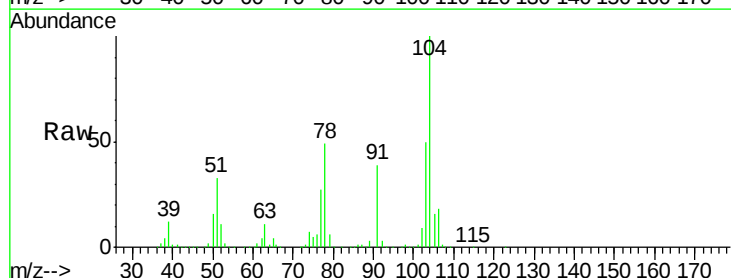
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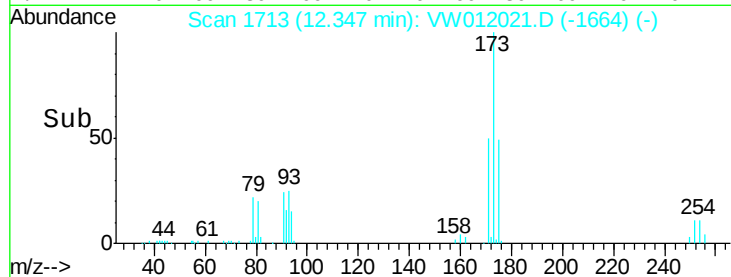
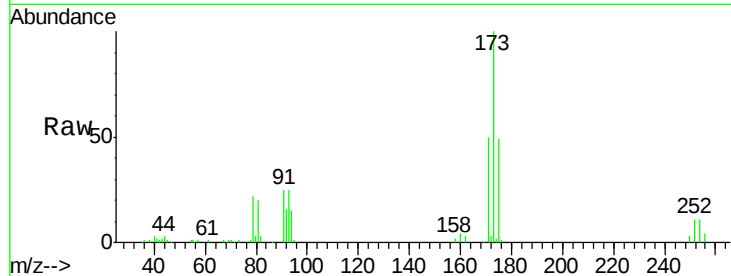
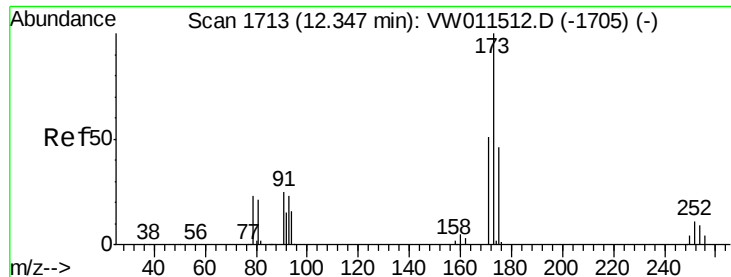
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#70
Styrene
Concen: 21.047 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012021.D
Acq: 20 Aug 2019 10:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	184519		
78	54.3	43.4	65.0		
103	54.9	43.9	65.9		





#71

Bromoform

Concen: 19.483 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012021.D

Acq: 20 Aug 2019 10:43

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.7	23.6	71.0
254	0.0	0.1	0.1#

Instrument :

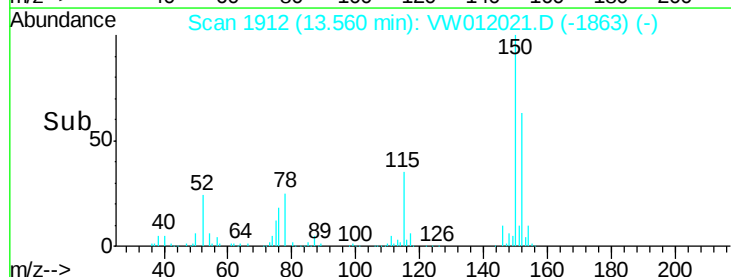
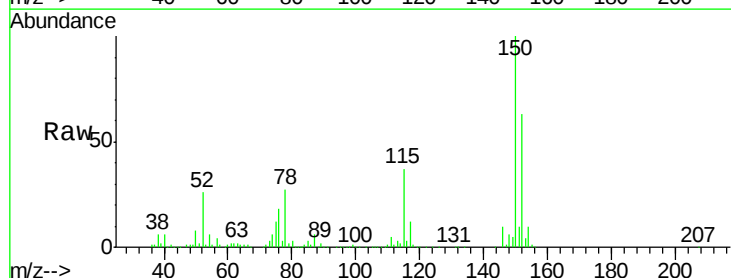
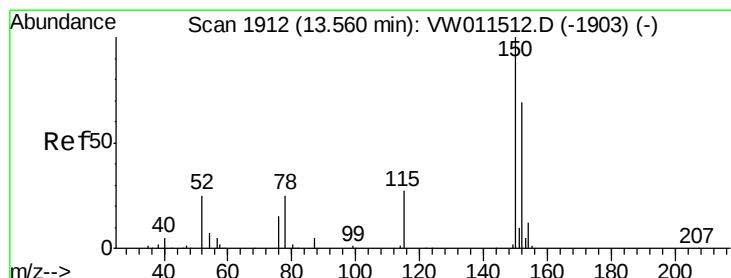
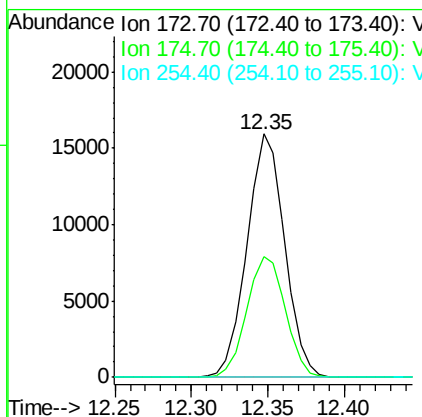
MSVOA_W

ClientSampleId :

VW0820SBS01

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

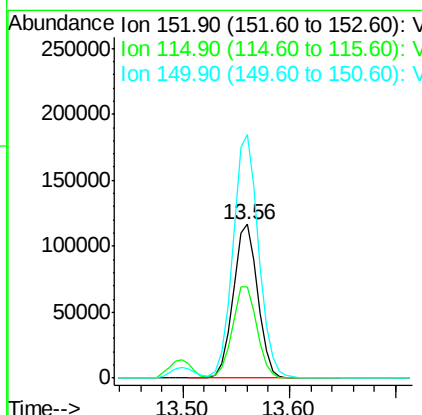
RT: 13.56 min Scan# 1912

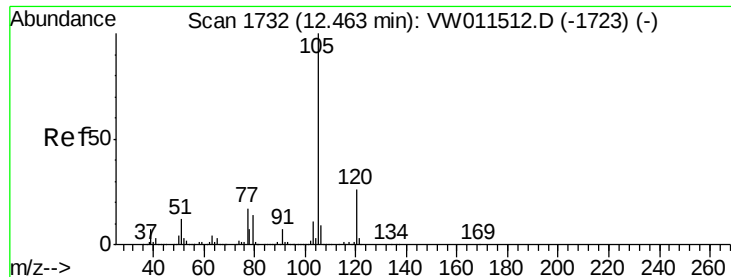
Delta R.T. -0.00 min

Lab File: VW012021.D

Acq: 20 Aug 2019 10:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.4	30.5	91.5
150	165.6	0.0	352.6





#73

Isopropylbenzene

Concen: 21.797 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012021.D

Acq: 20 Aug 2019 10:43

Instrument :

MSVOA_W

ClientSampleId :

VW0820SBS01

Tot Ion:105 Resp: 304699

Ion Ratio Lower Upper

105 100

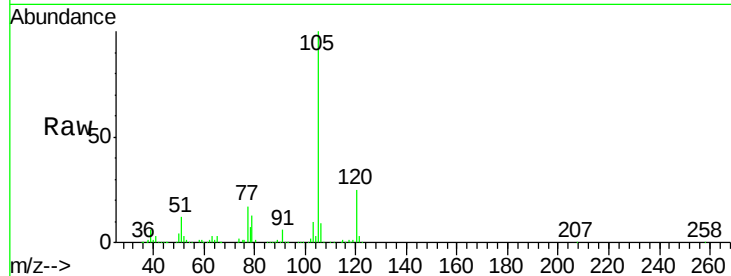
120 25.4 12.9 38.7

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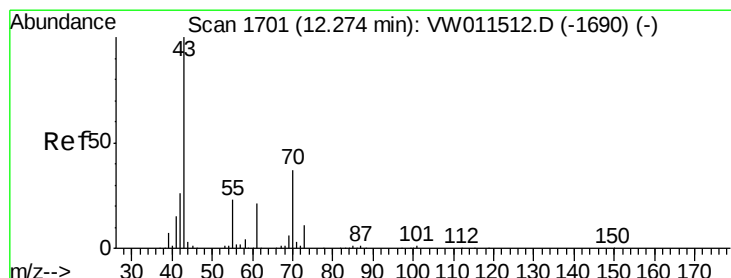
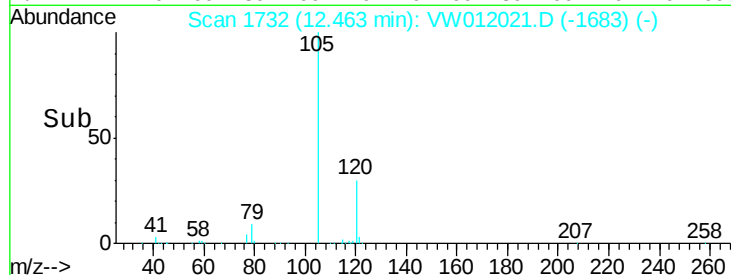
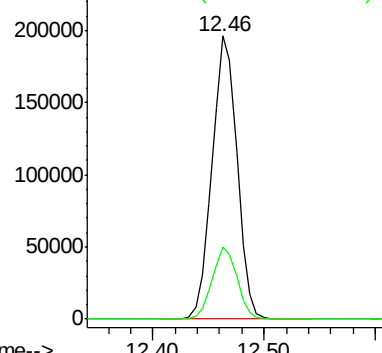
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.500 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012021.D

Acq: 20 Aug 2019 10:43

Tgt Ion: 43 Resp: 89719

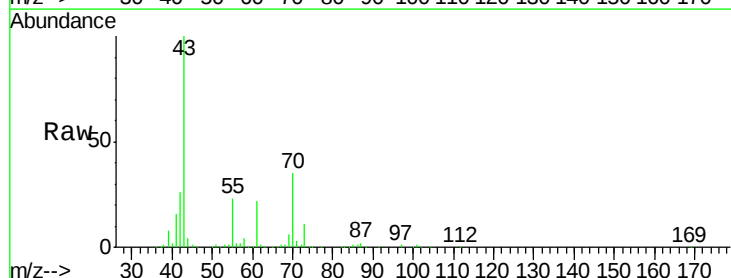
Ion Ratio Lower Upper

43 100

70 35.9 28.6 43.0

55 23.4 17.8 26.8

61 21.6 17.0 25.6

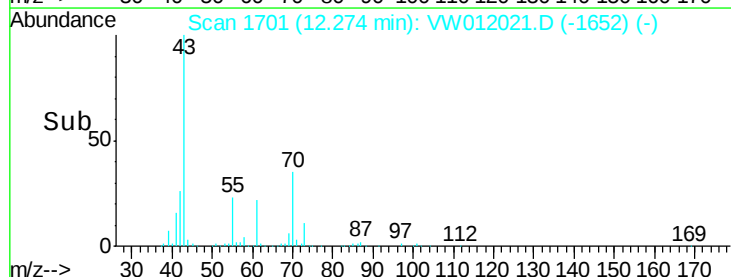
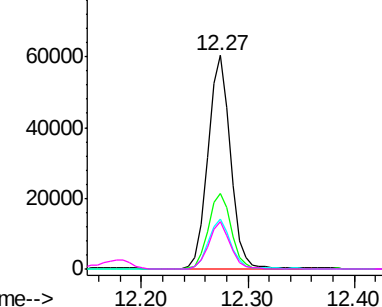


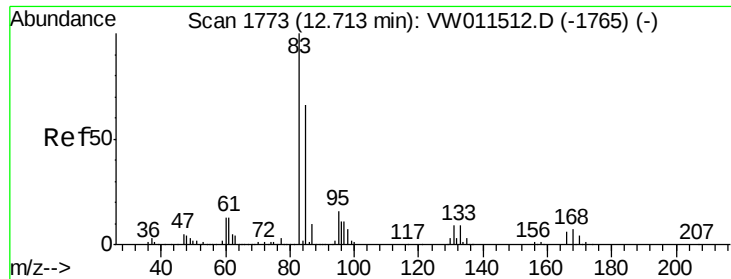
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 20.442 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012021.D

Acq: 20 Aug 2019 10:43

Instrument :

MSVOA_W

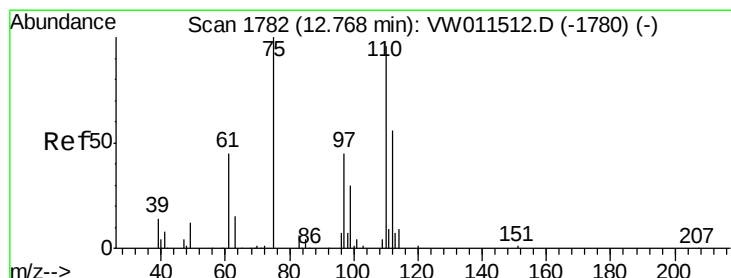
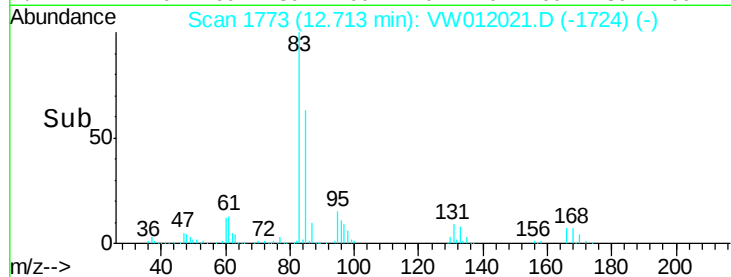
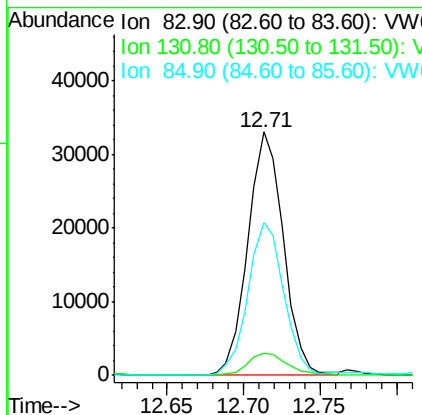
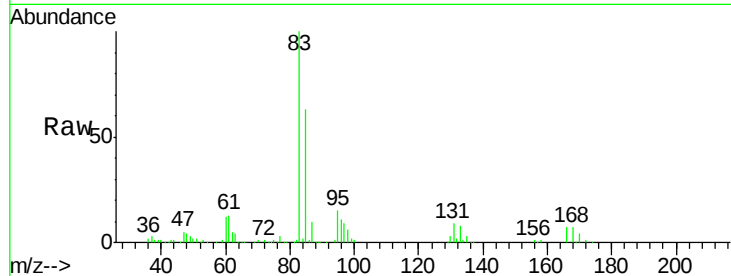
ClientSampleId :

VW0820SBS01

Tot Ion:	83	Resp:	53751
Ion Ratio	Lower	Upper	
83	100		
131	10.1	4.9	14.6
85	63.0	31.8	95.4

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#76

1,2,3-Trichloropropane

Concen: 18.740 ug/l m

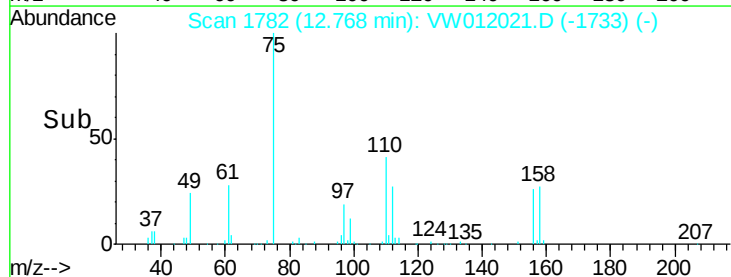
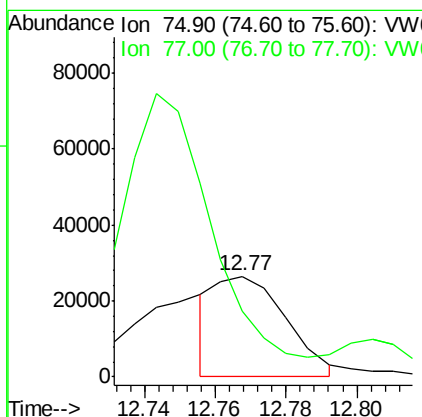
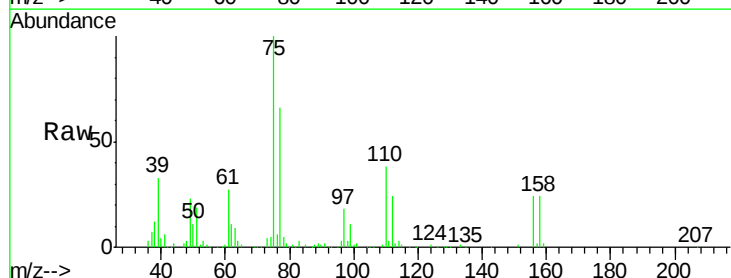
RT: 12.77 min Scan# 1782

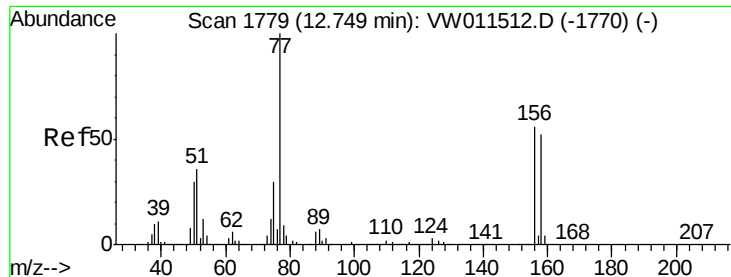
Delta R.T. -0.00 min

Lab File: VW012021.D

Acq: 20 Aug 2019 10:43

Tgt Ion:	75	Resp:	37155
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.215 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW012021.D

Acq: 20 Aug 2019 10:43

Instrument :

MSVOA_W

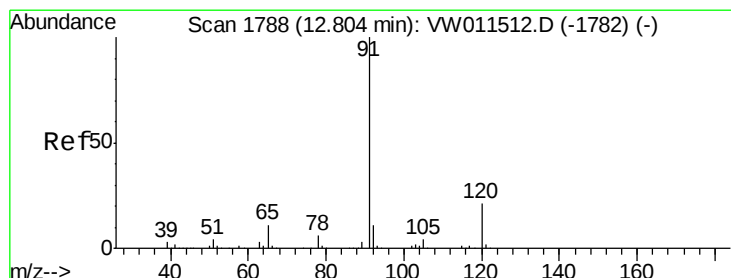
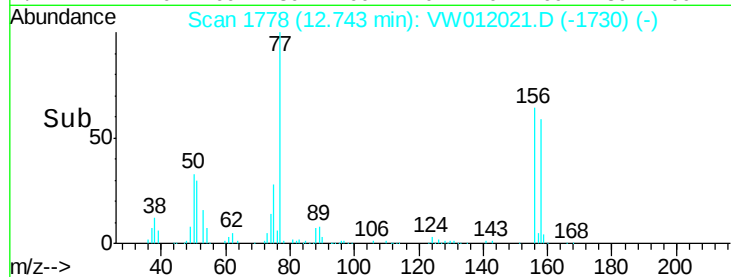
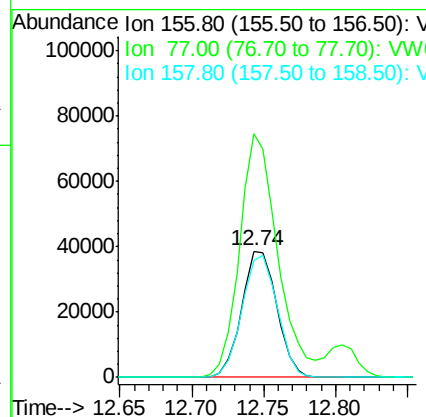
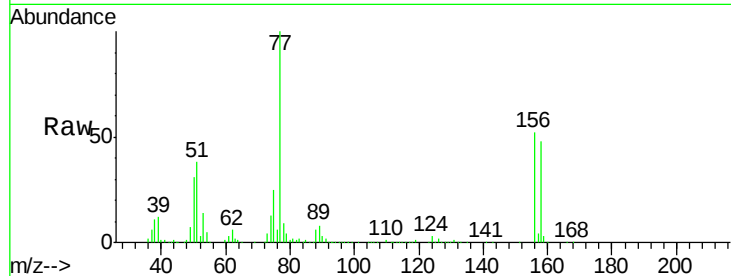
ClientSampleId :

VW0820SBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	208.6	106.5	319.4	
158	97.4	48.0	144.2	

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#78

n-propylbenzene

Concen: 21.721 ug/l

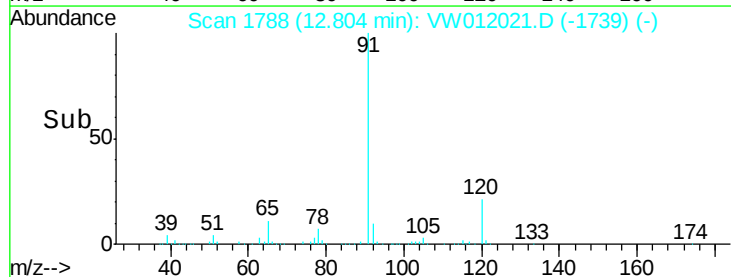
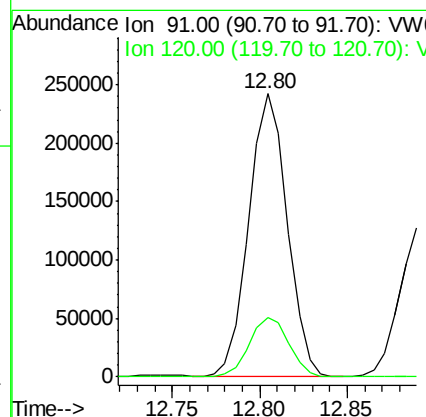
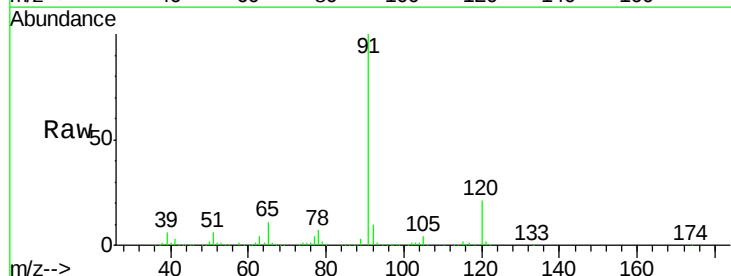
RT: 12.80 min Scan# 1788

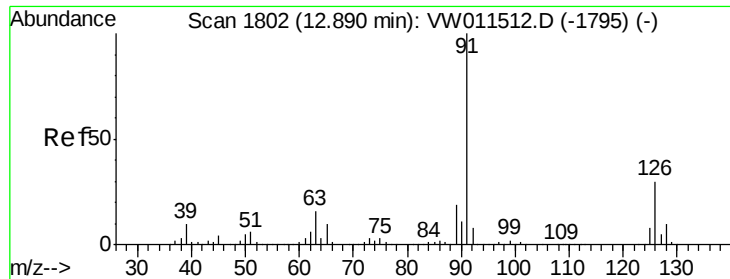
Delta R.T. -0.00 min

Lab File: VW012021.D

Acq: 20 Aug 2019 10:43

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.7	10.9	32.7	





#79

2-Chlorotoluene

Concen: 21.396 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012021.D

Acq: 20 Aug 2019 10:43

Instrument :

MSVOA_W

ClientSampleId :

VW0820SBSD01

Tot Ion: 91 Resp: 209701

Ion Ratio Lower Upper

91 100

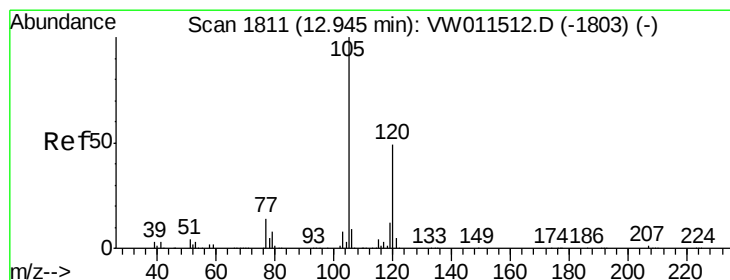
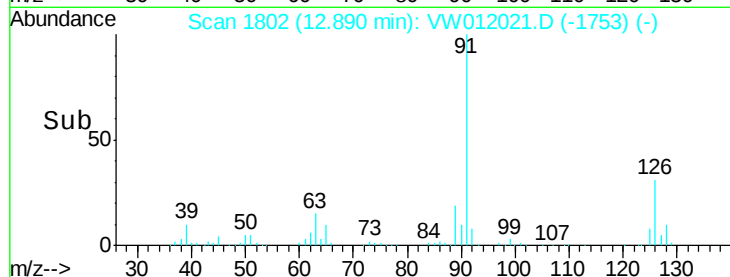
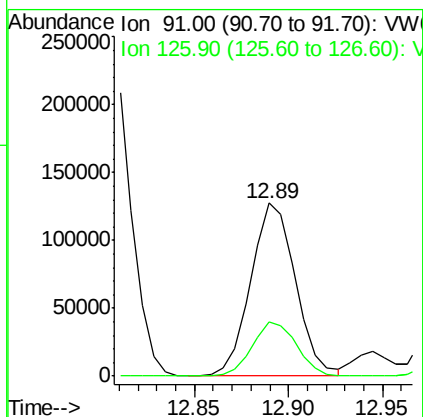
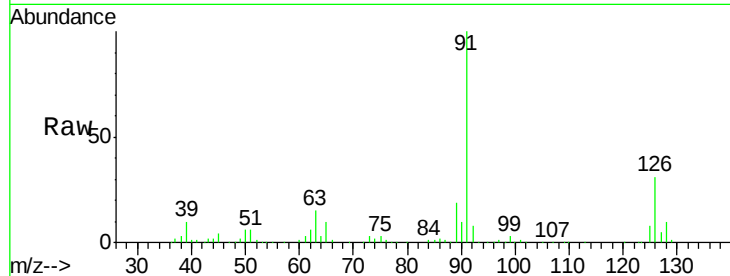
126 31.2 15.7 47.1

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#80

1,3,5-Trimethylbenzene

Concen: 21.503 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012021.D

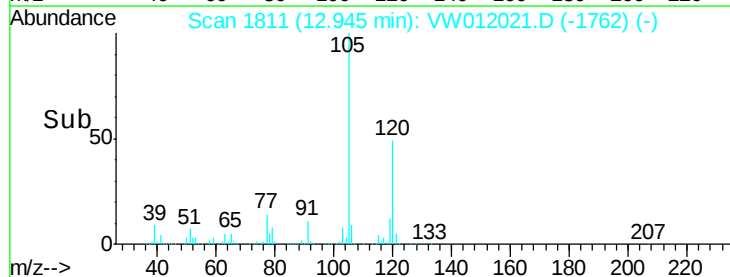
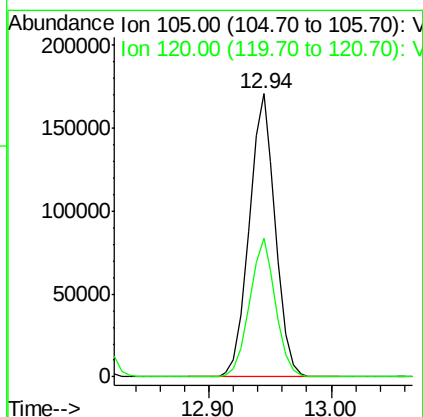
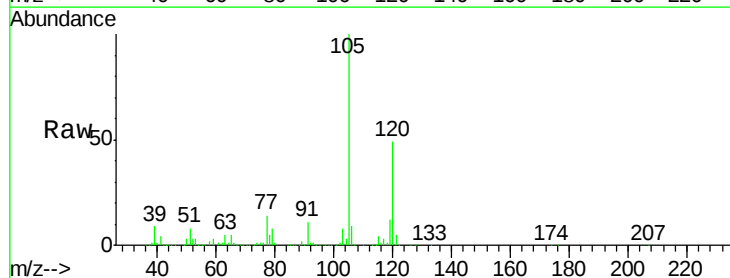
Acq: 20 Aug 2019 10:43

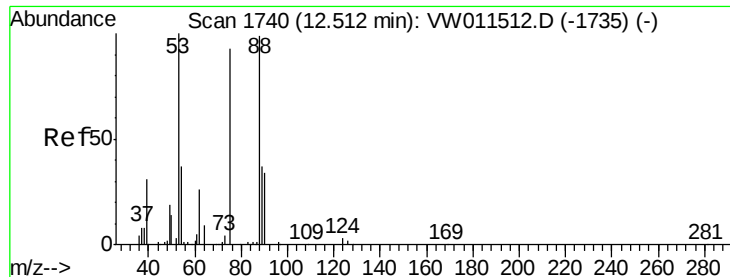
Tgt Ion:105 Resp: 251970

Ion Ratio Lower Upper

105 100

120 48.8 24.1 72.3





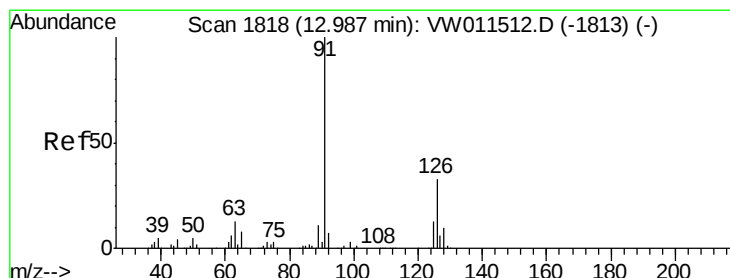
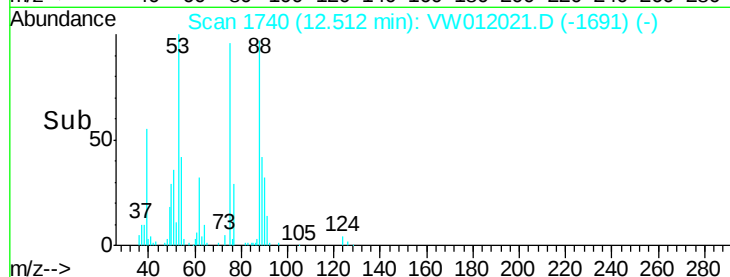
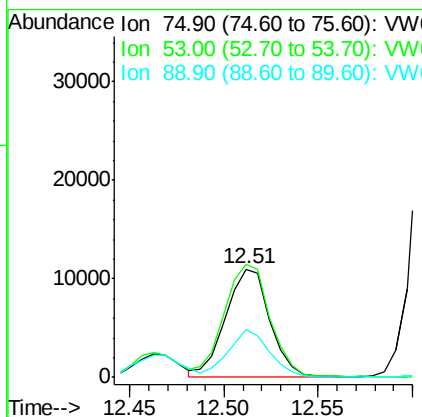
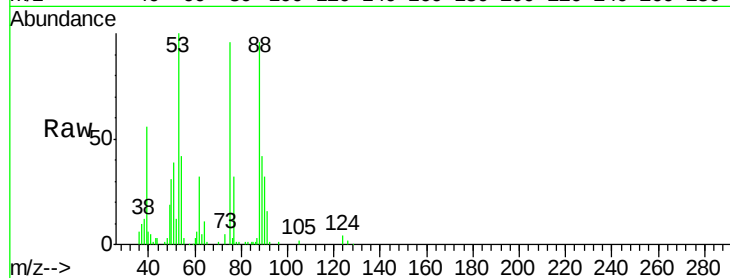
#81
trans-1,4-Dichloro-2-butene
Concen: 20.779 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW012021.D
Acq: 20 Aug 2019 10:43

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	109.6	88.0	132.0
89	41.5	35.3	52.9

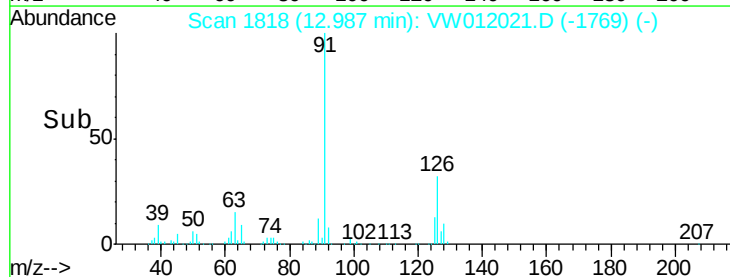
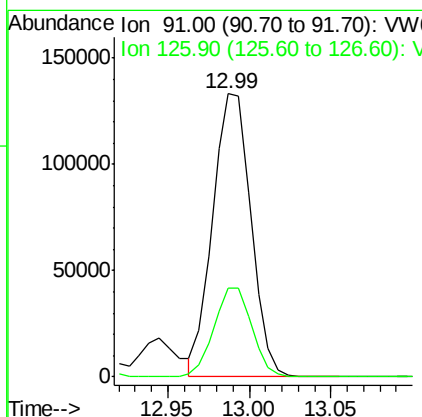
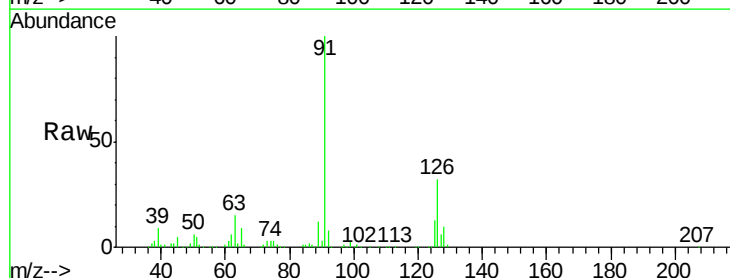
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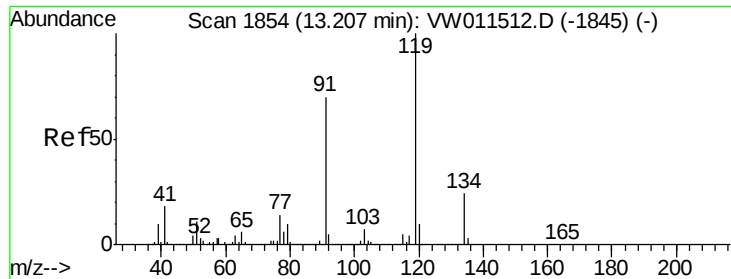
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#82
4-Chlorotoluene
Concen: 21.171 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW012021.D
Acq: 20 Aug 2019 10:43

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.6	46.8





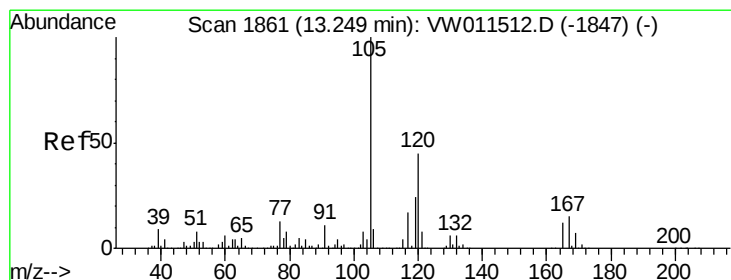
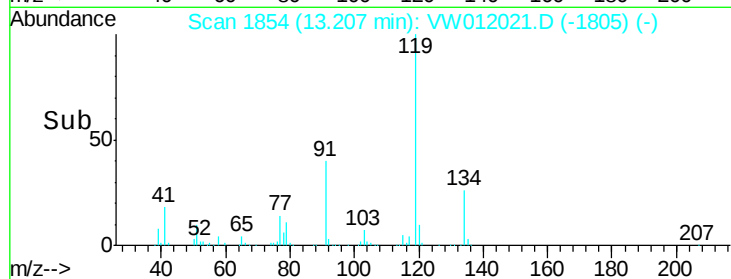
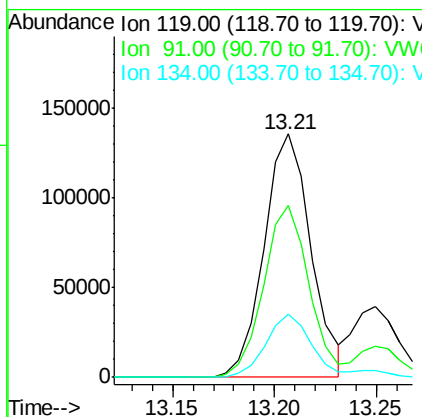
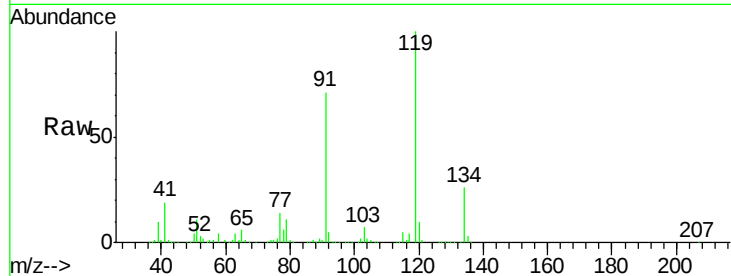
#83
tert-Butylbenzene
Concen: 22.160 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW012021.D
Acq: 20 Aug 2019 10:43

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	217141		
91	68.3	34.5	103.6	
134	25.0	12.4	37.4	

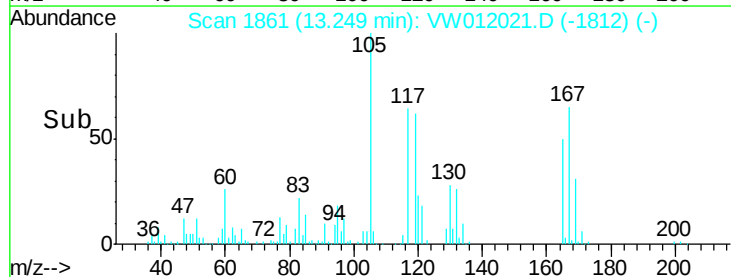
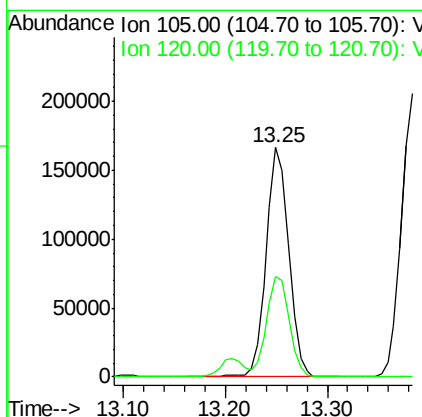
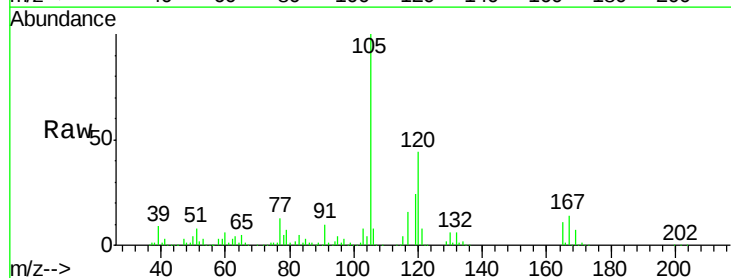
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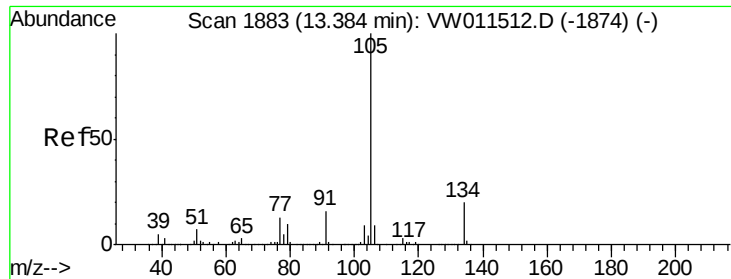
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#84
1,2,4-Trimethylbenzene
Concen: 21.695 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW012021.D
Acq: 20 Aug 2019 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	256086		
120	44.1	22.1	66.5	





#85

sec-Butylbenzene

Concen: 22.084 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012021.D

Acq: 20 Aug 2019 10:43

Instrument :

MSVOA_W

ClientSampleId :

VW0820SBS01

Tot Ion:105 Resp: 308778

Ion Ratio Lower Upper

105 100

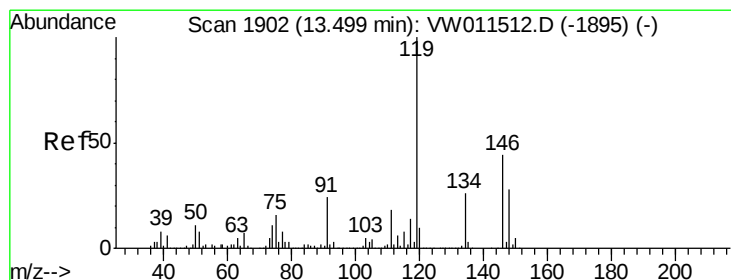
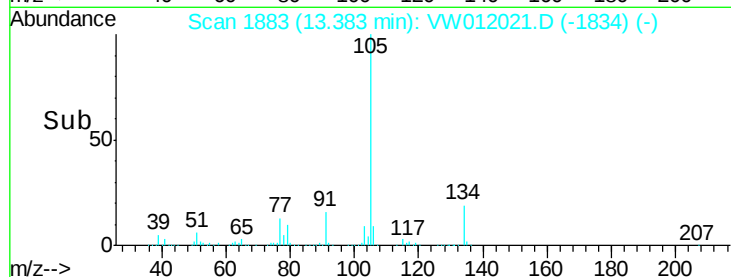
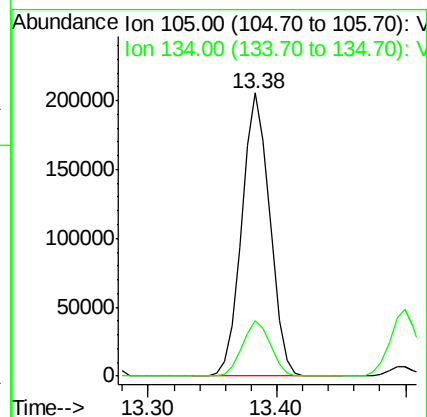
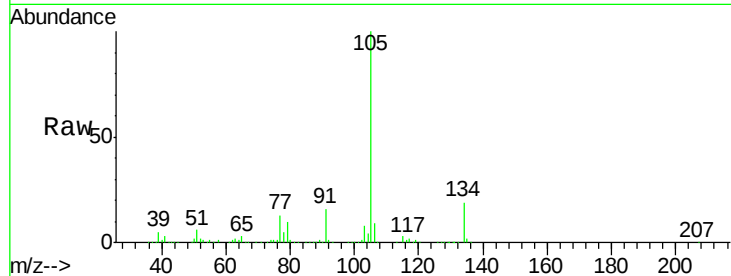
134 19.6 9.7 29.1

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#86

p-Isopropyltoluene

Concen: 22.129 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012021.D

Acq: 20 Aug 2019 10:43

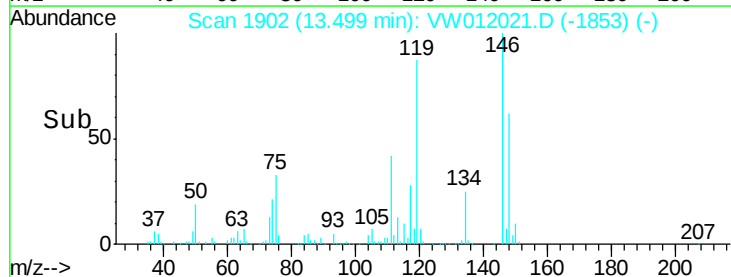
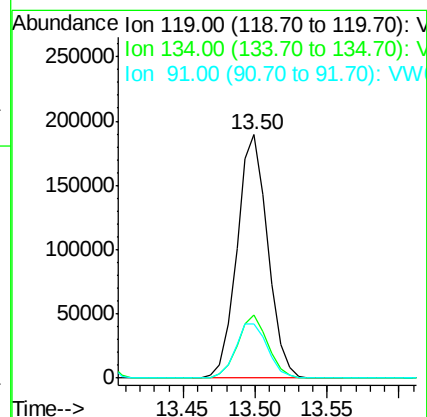
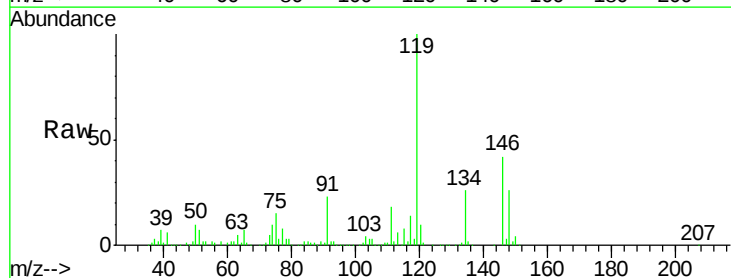
Tgt Ion:119 Resp: 280732

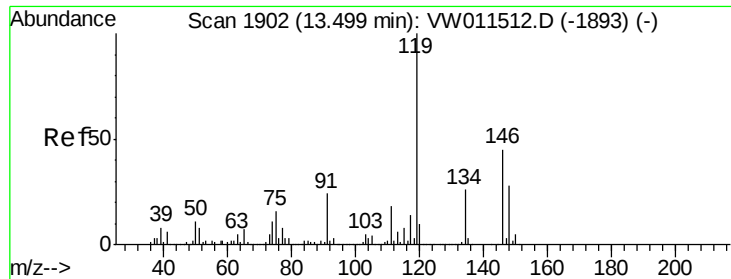
Ion Ratio Lower Upper

119 100

134 25.4 12.8 38.4

91 23.6 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 21.220 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012021.D

Acq: 20 Aug 2019 10:43

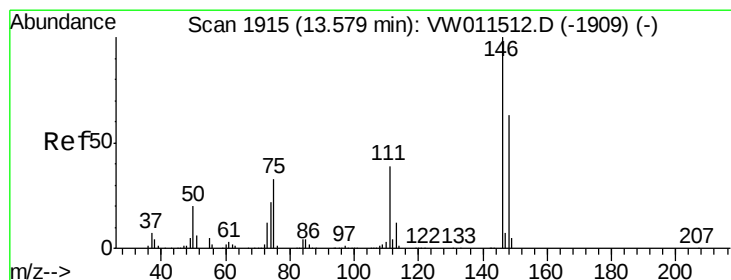
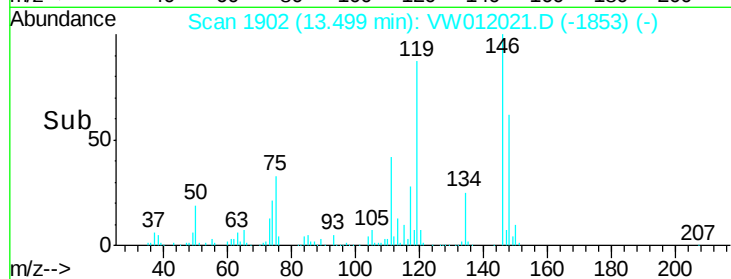
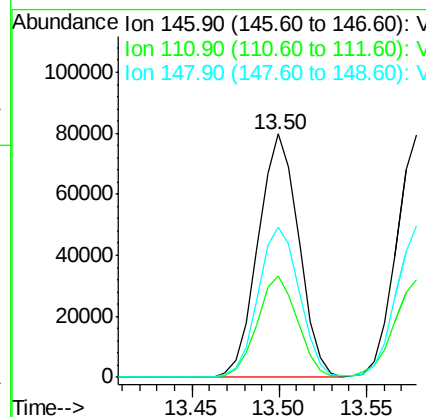
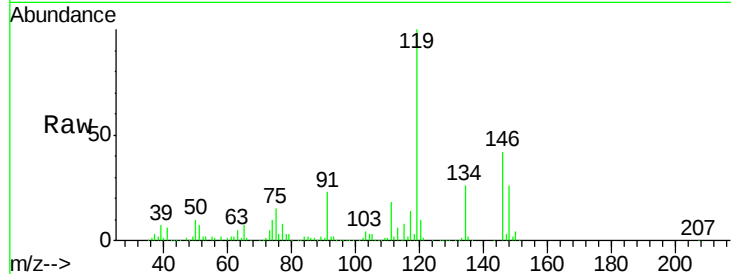
Instrument :
MSVOA_W

ClientSampleId :
VW0820SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	128557		
111	41.2	20.5	61.6	
148	62.8	31.8	95.3	

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#88

1,4-Dichlorobenzene

Concen: 21.009 ug/l

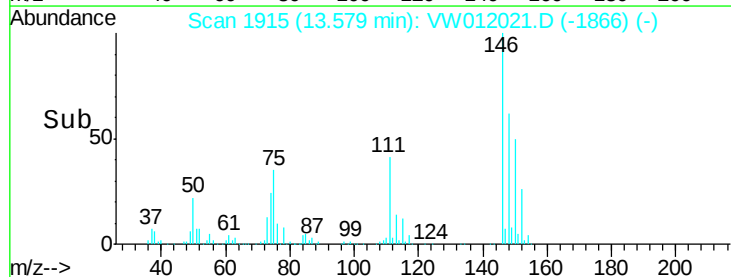
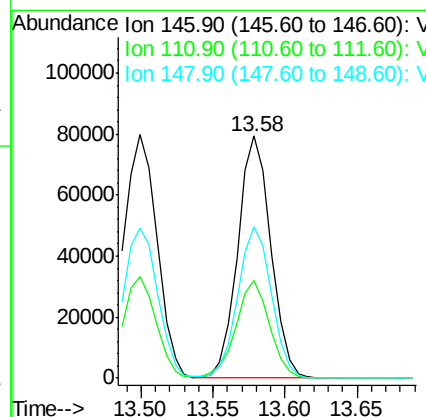
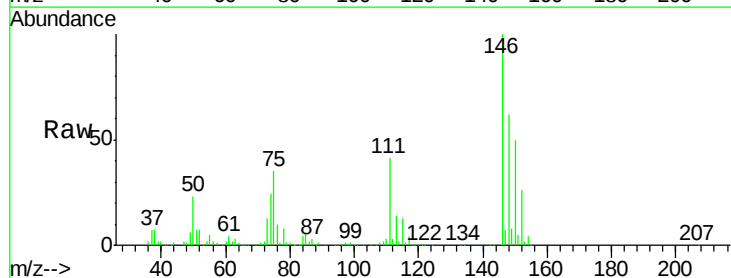
RT: 13.58 min Scan# 1915

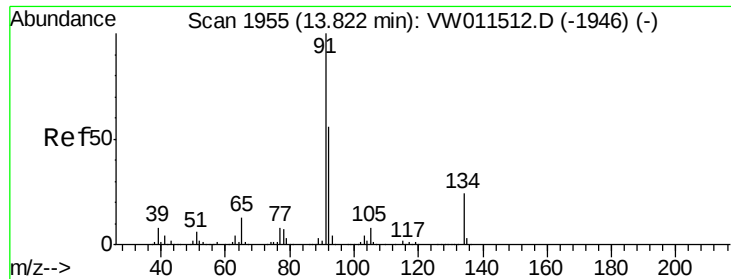
Delta R.T. -0.00 min

Lab File: VW012021.D

Acq: 20 Aug 2019 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	126615		
111	41.3	20.1	60.2	
148	63.8	31.9	95.9	





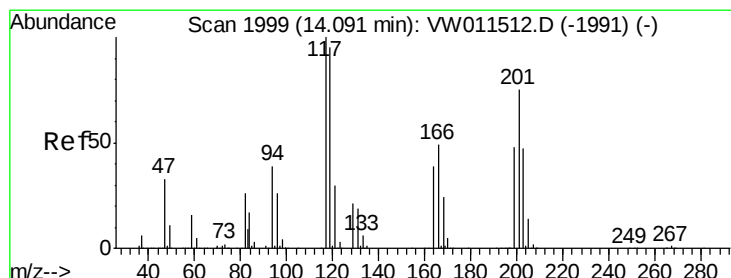
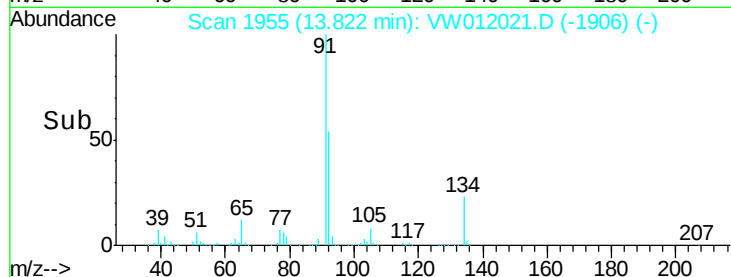
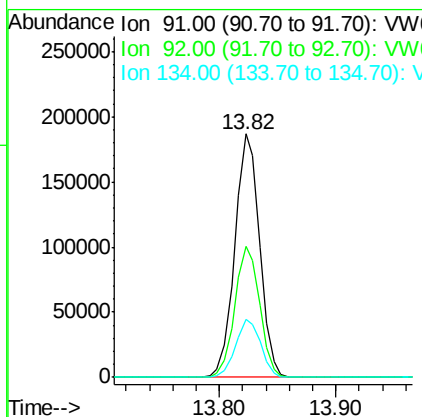
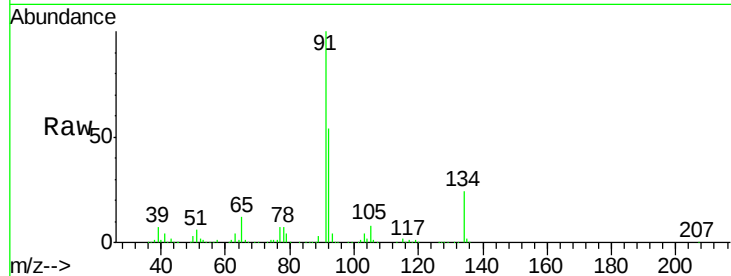
#89
n-Butylbenzene
Concen: 21.893 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012021.D
Acq: 20 Aug 2019 10:43

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	277162		
92	54.1		27.5	82.4
134	24.3		12.2	36.6

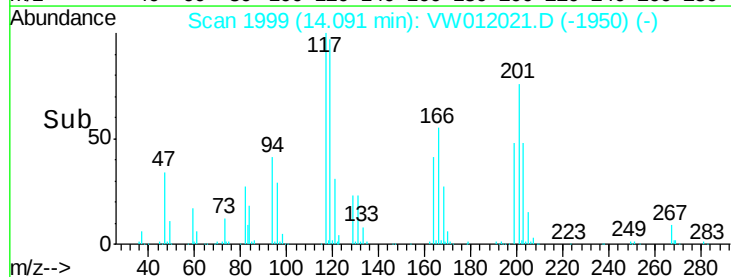
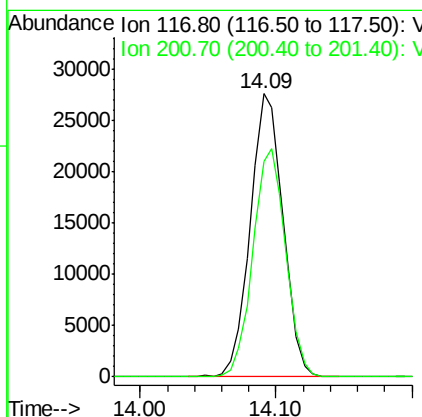
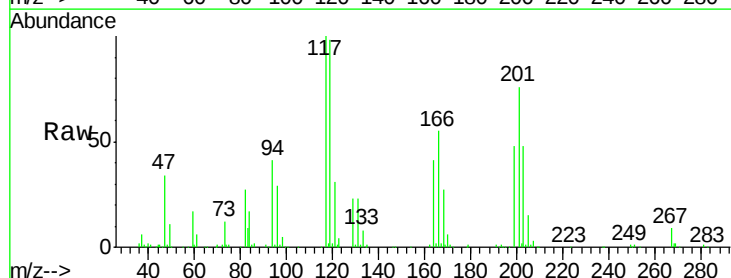
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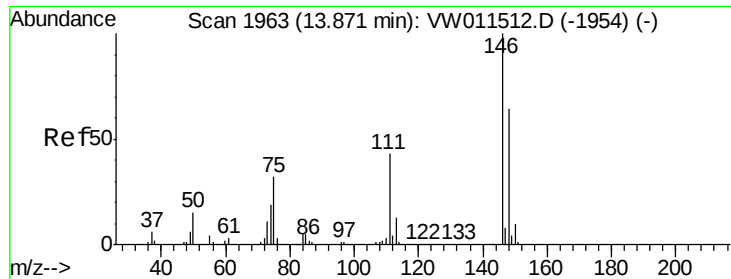
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#90
Hexachloroethane
Concen: 20.862 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW012021.D
Acq: 20 Aug 2019 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	46798		
201	80.1		39.4	118.2





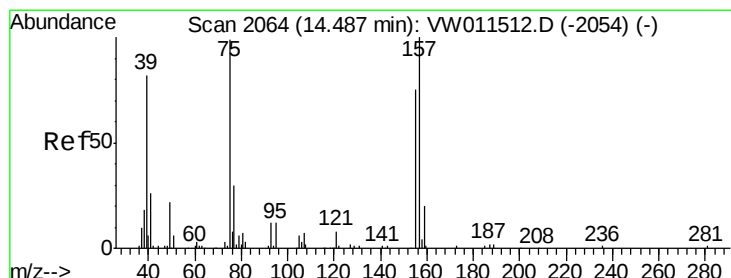
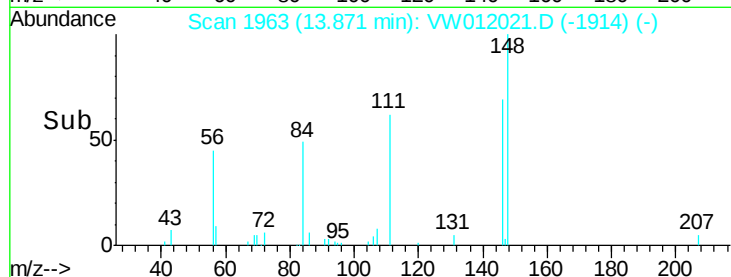
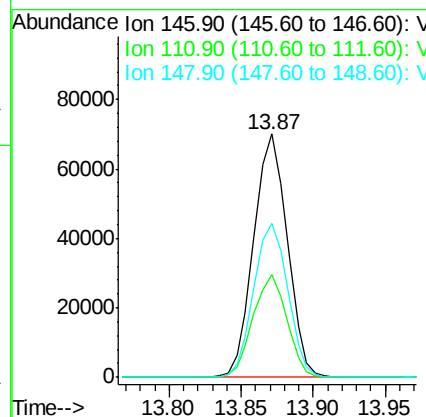
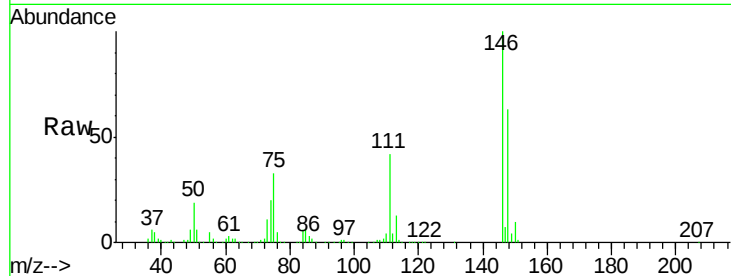
#91
 1,2-Dichlorobenzene
 Concen: 21.088 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012021.D
 Acq: 20 Aug 2019 10:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0820SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.6	65.0
148	64.3	32.0	96.2

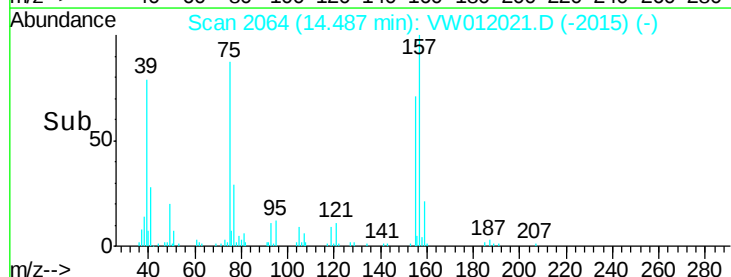
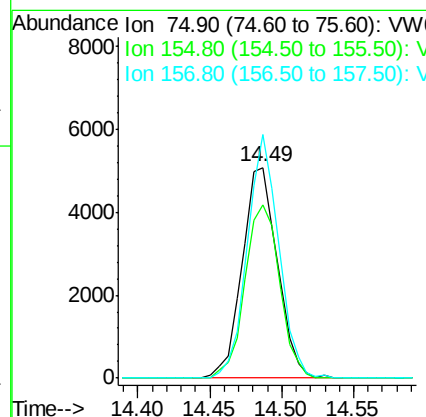
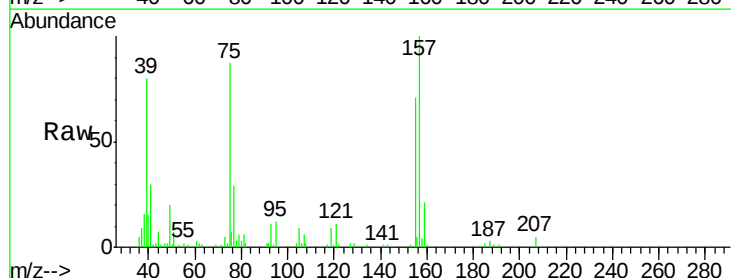
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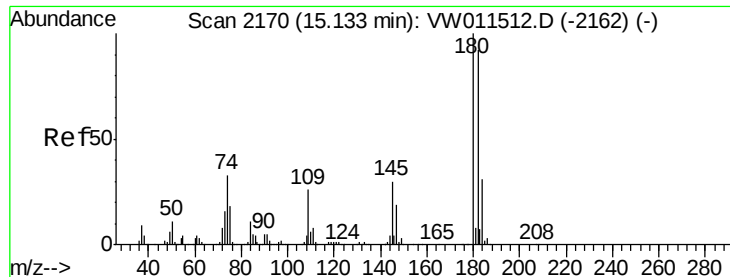
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.258 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW012021.D
 Acq: 20 Aug 2019 10:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.7	38.2	114.6
157	102.5	48.9	146.7





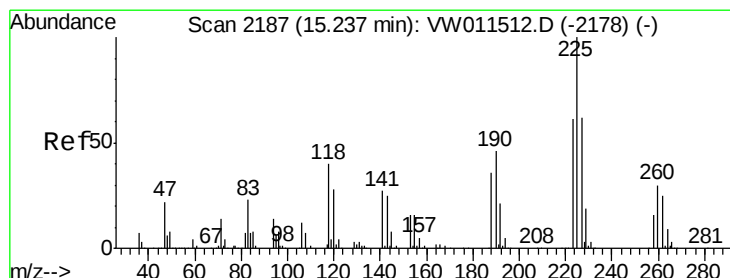
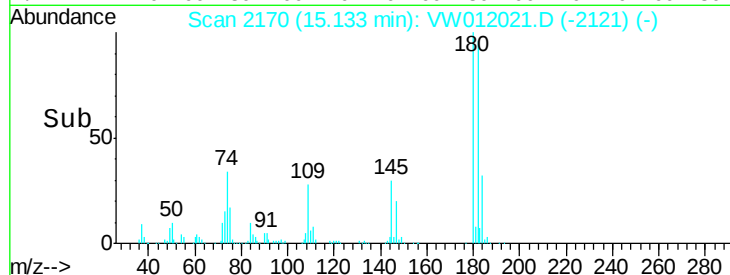
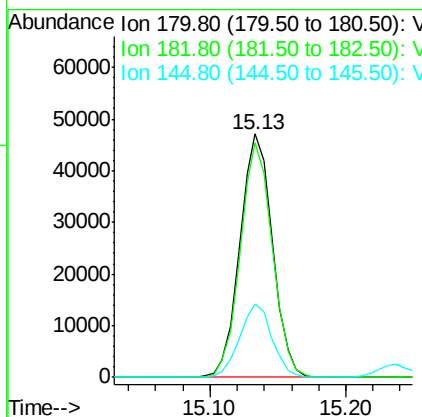
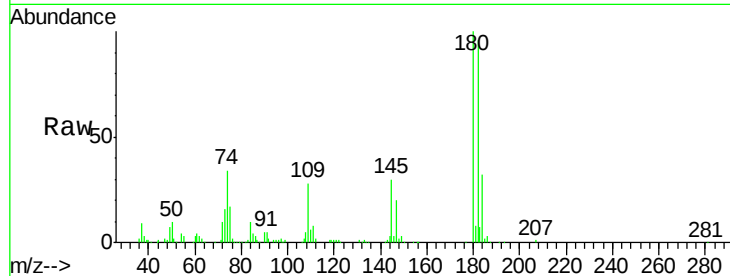
#93
 1,2,4-Trichlorobenzene
 Concen: 20.800 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012021.D
 Acq: 20 Aug 2019 10:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0820SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.4	142.2
145	30.1	15.4	46.1

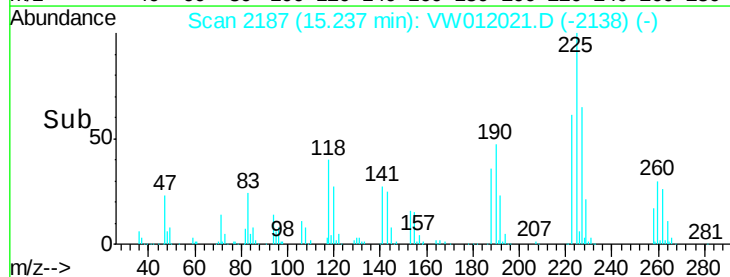
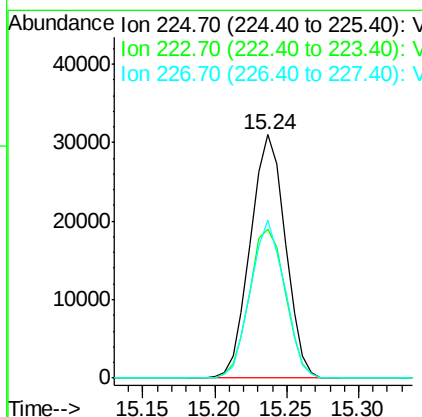
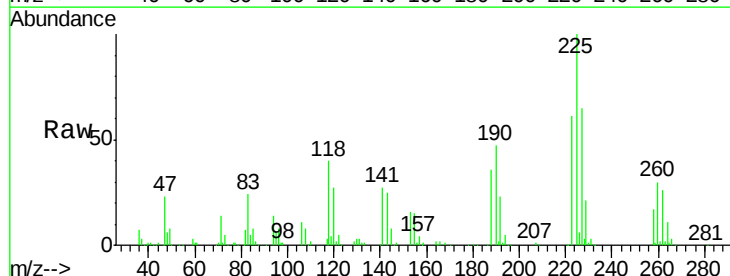
Manual Integrations
 APPROVED

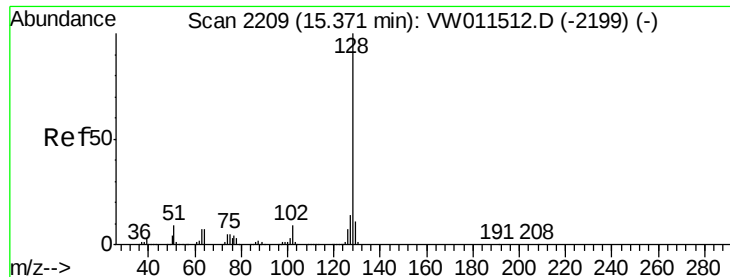
MMDadoda
 8/21/2019 8:28:52 AM



#94
 Hexachlorobutadiene
 Concen: 22.179 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012021.D
 Acq: 20 Aug 2019 10:43

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	30.8	92.3
227	63.1	31.6	94.7





#95

Naphthalene

Concen: 19.808 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW012021.D

Acq: 20 Aug 2019 10:43

Instrument :

MSVOA_W

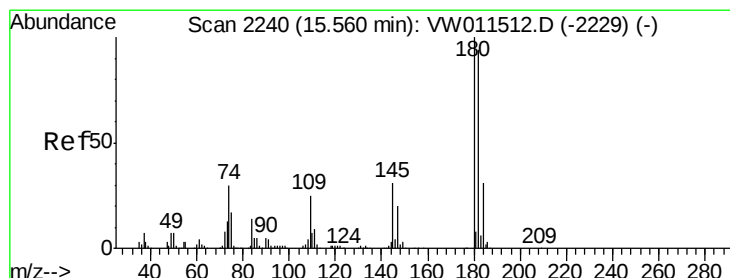
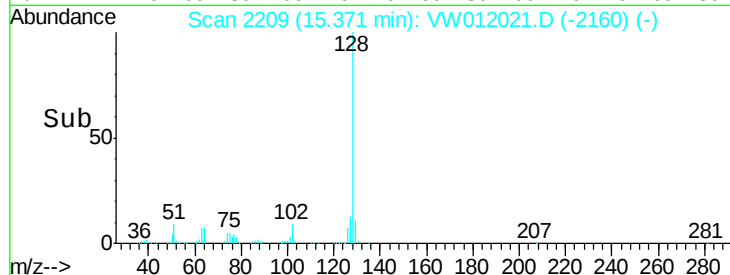
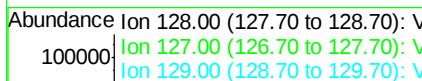
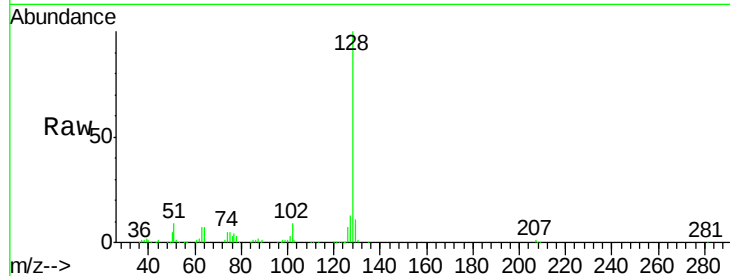
ClientSampleId :

VW0820SBSD01

Tot Ion:	128	Resp:	136900
Ion Ratio	Lower	Upper	
128	100		
127	13.7	10.6	16.0
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
8/21/2019 8:28:52 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.452 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW012021.D

Acq: 20 Aug 2019 10:43

Tgt Ion:	180	Resp:	67702
Ion Ratio	Lower	Upper	
180	100		
182	96.4	47.4	142.2
145	32.6	15.9	47.7

