

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070819\
 Data File : VW011156.D
 Acq On : 08 Jul 2019 11:07
 Operator : SY/VA
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 7/9/2019 4:12:41 PM

Quant Time: Jul 09 05:55:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 09 05:44:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	237755	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	395155	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	347347	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	172038	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	31411	10.51	ug/l	0.00
Spiked Amount			Recovery	=	21.02%	
35) Dibromofluoromethane	7.88	113	24077	10.22	ug/l	0.00
Spiked Amount			Recovery	=	20.44%	
50) Toluene-d8	10.32	98	96355	10.12	ug/l	0.00
Spiked Amount			Recovery	=	20.24%	
62) 4-Bromofluorobenzene	12.62	95	35089	10.06	ug/l	0.00
Spiked Amount			Recovery	=	20.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	18403	10.378	ug/l	97
3) Chloromethane	2.21	50	22911	10.027	ug/l	98
4) Vinyl Chloride	2.35	62	31956	10.686	ug/l	96
5) Bromomethane	2.78	94	15926	10.598	ug/l	93
6) Chloroethane	2.92	64	16211	10.064	ug/l	93
7) Trichlorofluoromethane	3.24	101	9907	9.325	ug/l	93
8) Diethyl Ether	3.67	74	14777	10.053	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	26551	10.434	ug/l	96
10) Methyl Iodide	4.28	142	34025	9.721	ug/l	96
11) Tert butyl alcohol	5.17	59	11645	52.649	ug/l	97
12) 1,1-Dichloroethene	4.04	96	25969	9.832	ug/l	98
13) Acrolein	3.89	56	8694	49.362	ug/l	99
14) Allyl chloride	4.66	41	47570	9.877	ug/l	100
15) Acrylonitrile	5.36	53	38360	51.239	ug/l	99
16) Acetone	4.12	43	36938	51.387	ug/l	95
17) Carbon Disulfide	4.38	76	78586	9.814	ug/l	99
18) Methyl Acetate	4.67	43	23060	10.258	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	41204	10.281	ug/l	99
20) Methylene Chloride	4.91	84	29203	10.298	ug/l	90
21) trans-1,2-Dichloroethene	5.42	96	27162	9.897	ug/l	92
22) Diisopropyl ether	6.31	45	104666	10.104	ug/l	93
23) Vinyl Acetate	6.25	43	310533	48.438	ug/l	99
24) 1,1-Dichloroethane	6.21	63	53464	9.828	ug/l	99
25) 2-Butanone	7.17	43	57205	50.697	ug/l	97
26) 2,2-Dichloropropane	7.16	77	28697	10.149	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	29540	9.978	ug/l	98
28) Bromochloromethane	7.51	49	24805	10.029	ug/l	100
29) Tetrahydrofuran	7.52	42	38269	51.724	ug/l	99
30) Chloroform	7.67	83	50956	10.115	ug/l	99
31) Cyclohexane	7.95	56	60297	10.419	ug/l	# 88
32) 1,1,1-Trichloroethane	7.87	97	37614	9.815	ug/l	99
36) 1,1-Dichloropropene	8.08	75	41788	9.931	ug/l	99
37) Ethyl Acetate	7.25	43	25644	10.143	ug/l	99
38) Carbon Tetrachloride	8.07	117	34987	9.808	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.34	83	50369	9.876	ug/l	99
40) Benzene	8.32	78	116269	9.998	ug/l	100
41) Methacrylonitrile	7.48	41	12667	8.760	ug/l	93
42) 1,2-Dichloroethane	8.40	62	37903	10.047	ug/l	100
43) Isopropyl Acetate	8.42	43	47688	9.990	ug/l	100
44) Trichloroethene	9.09	130	27916	9.975	ug/l	99
45) 1,2-Dichloropropane	9.37	63	30674	9.740	ug/l	98
46) Dibromomethane	9.46	93	14826	10.022	ug/l	99
47) Bromodichloromethane	9.64	83	36497	9.642	ug/l	99
48) Methyl methacrylate	9.43	41	21960	9.563	ug/l	99
49) 1,4-Dioxane	9.44	88	4908	198.764	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	124966	50.117	ug/l	100
52) Toluene	10.38	92	69451	9.845	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	38236	9.490	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	45525	9.600	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	21160	10.083	ug/l	96
56) Ethyl methacrylate	10.65	69	30968	9.692	ug/l	99
57) 1,3-Dichloropropane	10.93	76	39394	9.926	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	75526	50.987	ug/l	99
59) 2-Hexanone	10.97	43	85750	49.588	ug/l	100
60) Dibromochloromethane	11.13	129	22442	9.752	ug/l	98
61) 1,2-Dibromoethane	11.24	107	20083	10.103	ug/l	99
64) Tetrachloroethene	10.86	164	23716	10.118	ug/l	97
65) Chlorobenzene	11.66	112	70397	9.968	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	24247	9.751	ug/l	99
67) Ethyl Benzene	11.73	91	134841	9.974	ug/l	98
68) m/p-Xylenes	11.84	106	96899	19.809	ug/l	100
69) o-Xylene	12.16	106	45241	9.812	ug/l	99
70) Styrene	12.18	104	77572	9.749	ug/l	98
71) Bromoform	12.35	173	12744	9.640	ug/l #	96
73) Isopropylbenzene	12.46	105	123713	9.620	ug/l	100
74) N-amyl acetate	12.27	43	42691	9.531	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	26436	10.028	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	22463m	11.268	ug/l	
77) Bromobenzene	12.75	156	28323	9.814	ug/l	99
78) n-propylbenzene	12.80	91	154792	9.771	ug/l	99
79) 2-Chlorotoluene	12.90	91	89261	9.791	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	107029	9.796	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	8054	9.163	ug/l	95
82) 4-Chlorotoluene	12.99	91	94627	9.966	ug/l	99
83) tert-Butylbenzene	13.21	119	88925	9.759	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	107370	9.787	ug/l	99
85) sec-Butylbenzene	13.38	105	129042	9.815	ug/l	99
86) p-Isopropyltoluene	13.50	119	114175	9.682	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	54253	9.770	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	55713	9.964	ug/l	96
89) n-Butylbenzene	13.82	91	114002	9.691	ug/l	100
90) Hexachloroethane	14.10	117	20580	9.550	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	50913	10.106	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	4688	10.026	ug/l	93

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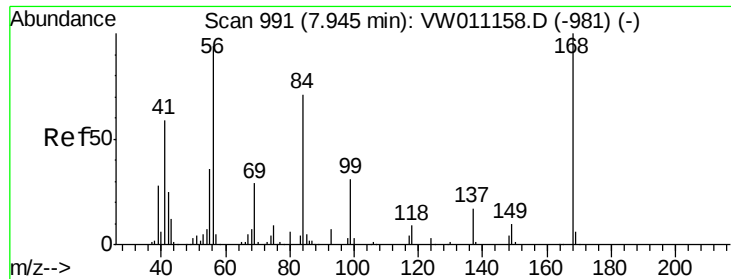
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	33793	9.739	ug/l	97
94) Hexachlorobutadiene	15.24	225	21686	10.180	ug/l	99
95) Naphthalene	15.37	128	62603	9.415	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	29781	9.725	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: VW011156.D

Acq: 08 Jul 2019 11:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 237755

Ion Ratio Lower Upper

168 100

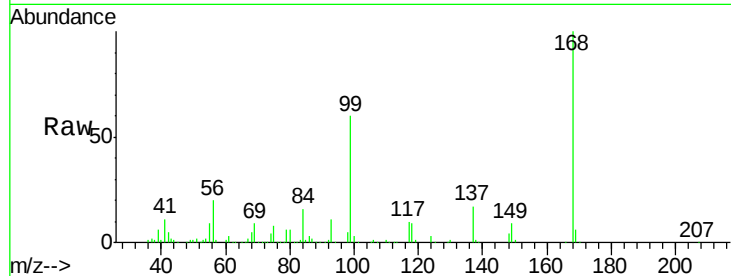
99 59.9 50.1 75.1

Manual Integrations

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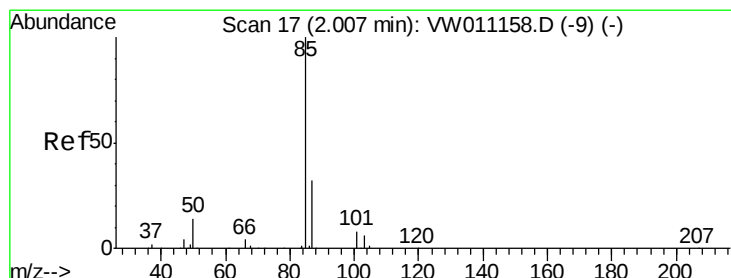
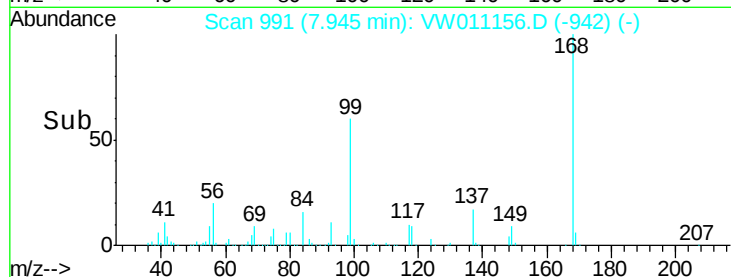
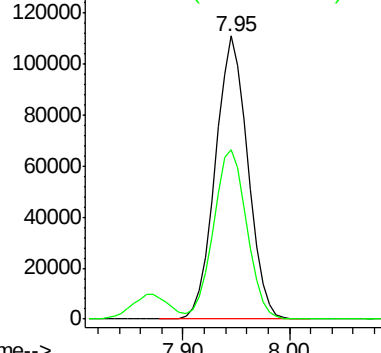
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 10.378 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW011156.D

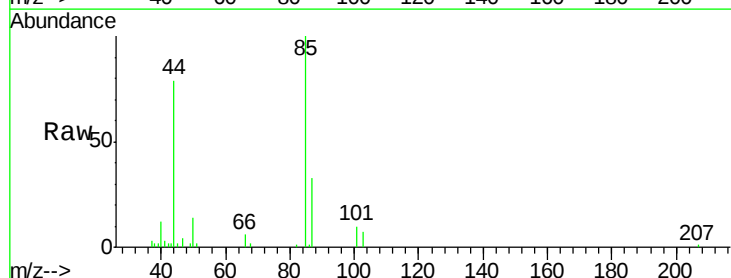
Acq: 08 Jul 2019 11:07

Tgt Ion: 85 Resp: 18403

Ion Ratio Lower Upper

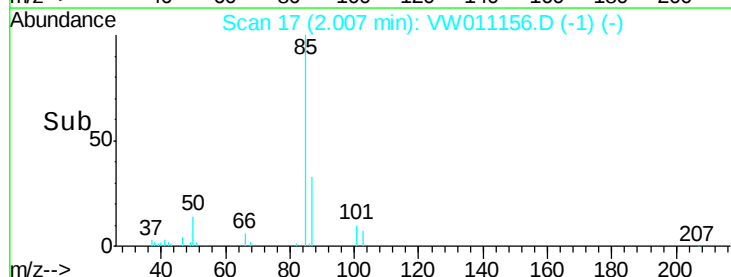
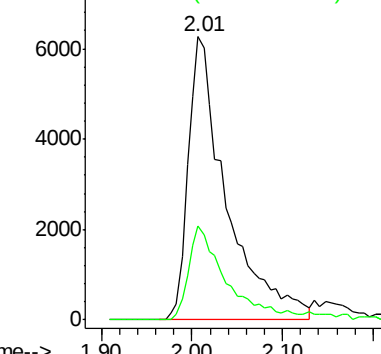
85 100

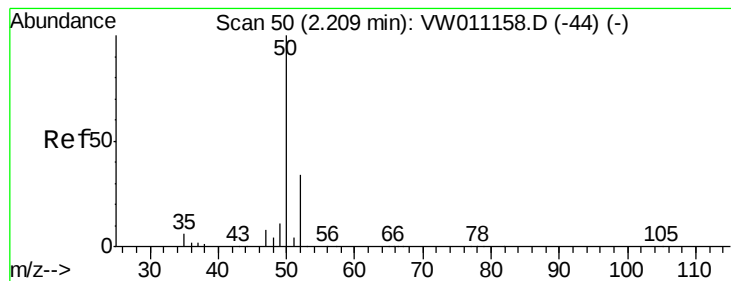
87 33.1 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 10.027 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW011156.D

Acq: 08 Jul 2019 11:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 22911

Ion Ratio Lower Upper

50 100

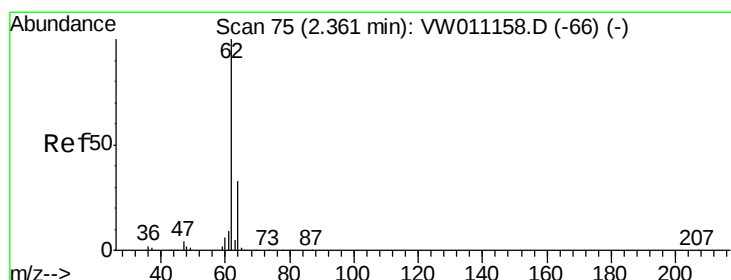
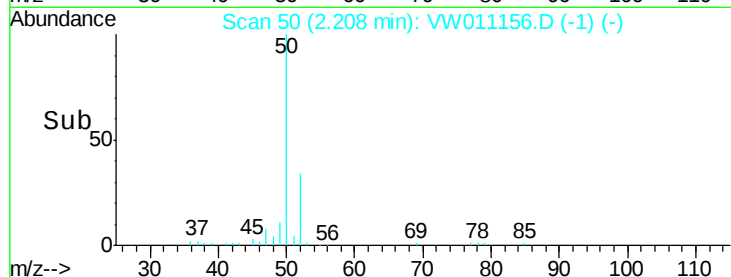
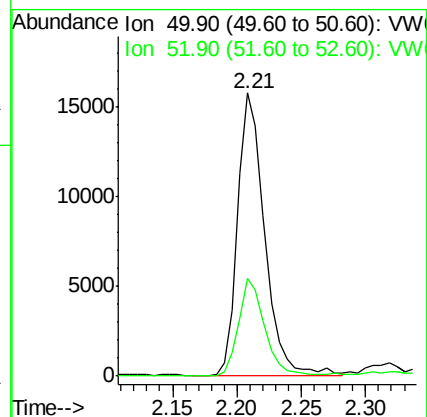
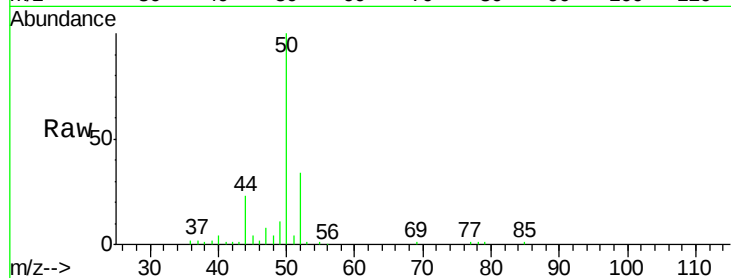
52 34.5 26.9 40.3

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#4

Vinyl Chloride

Concen: 10.686 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011156.D

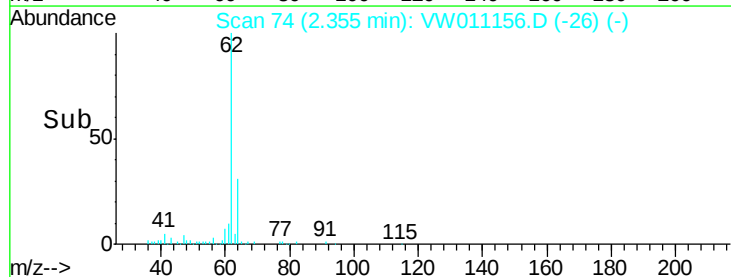
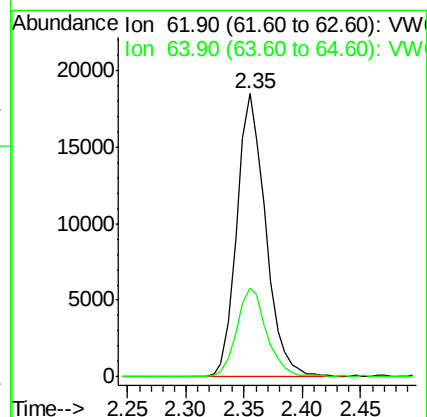
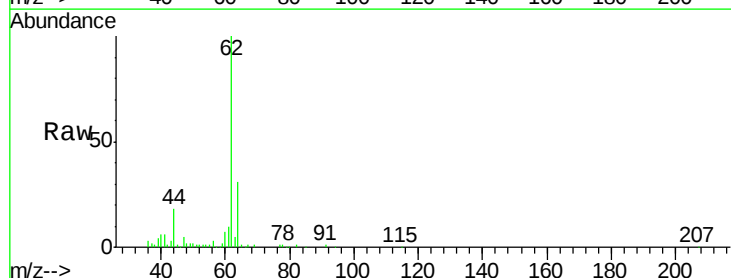
Acq: 08 Jul 2019 11:07

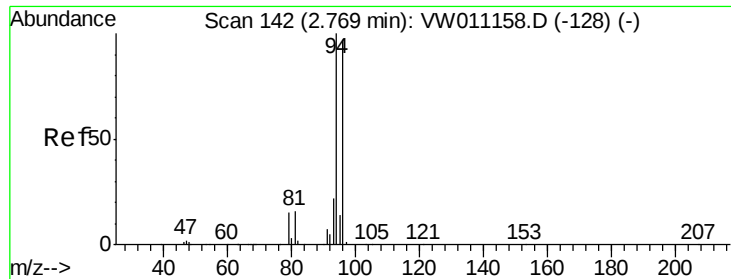
Tgt Ion: 62 Resp: 31956

Ion Ratio Lower Upper

62 100

64 31.3 26.6 40.0





#5

Bromomethane

Concen: 10.598 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW011156.D

Acq: 08 Jul 2019 11:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 15926

Ion Ratio Lower Upper

94 100

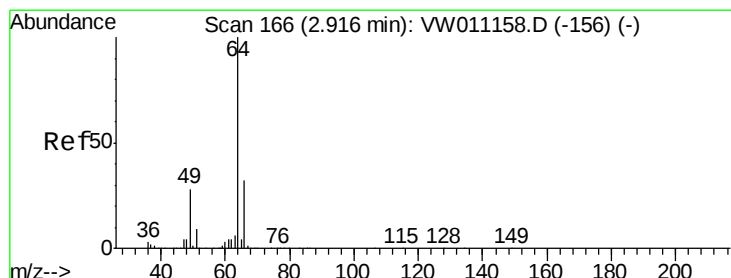
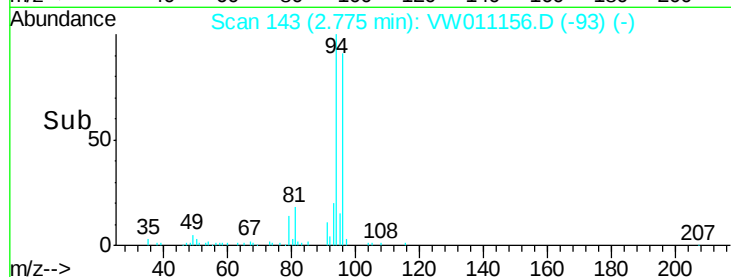
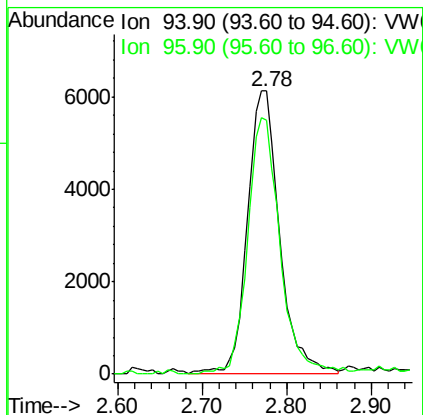
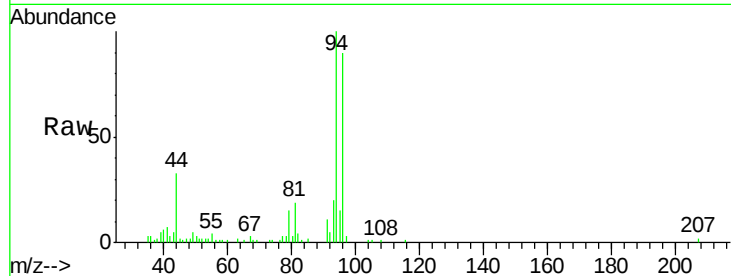
96 89.6 77.4 116.0

Manual Integrations

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#6

Chloroethane

Concen: 10.064 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW011156.D

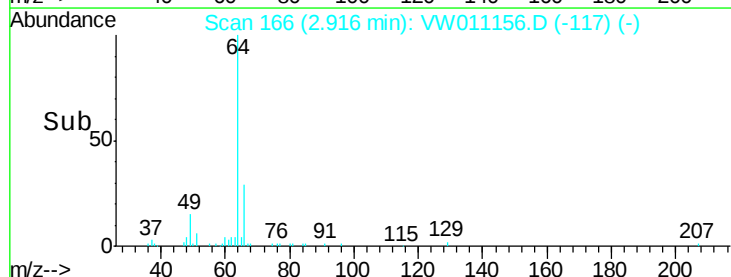
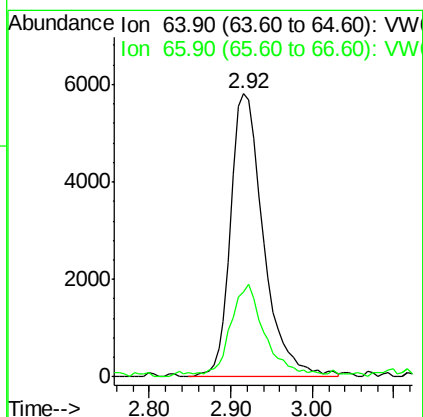
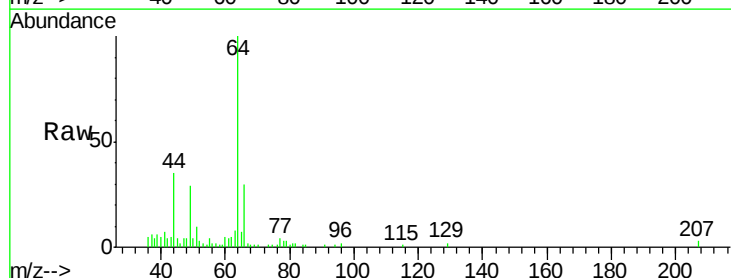
Acq: 08 Jul 2019 11:07

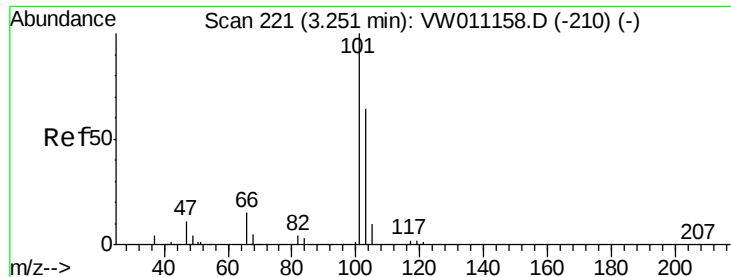
Tgt Ion: 64 Resp: 16211

Ion Ratio Lower Upper

64 100

66 28.5 25.8 38.8





#7

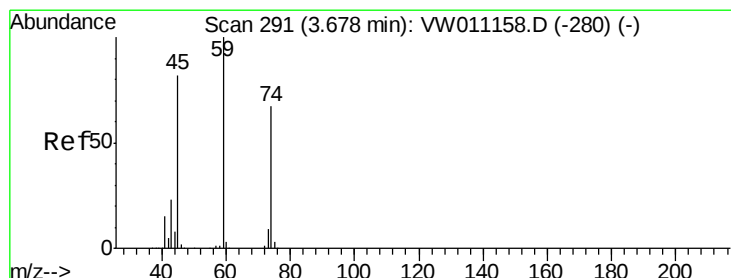
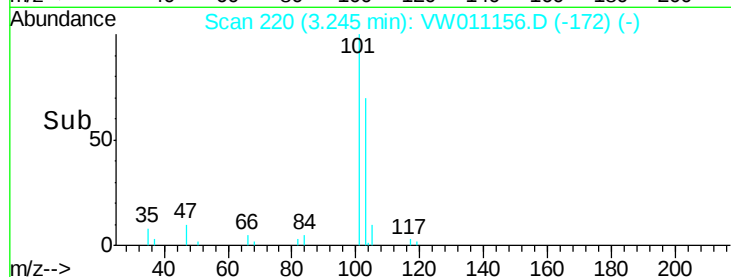
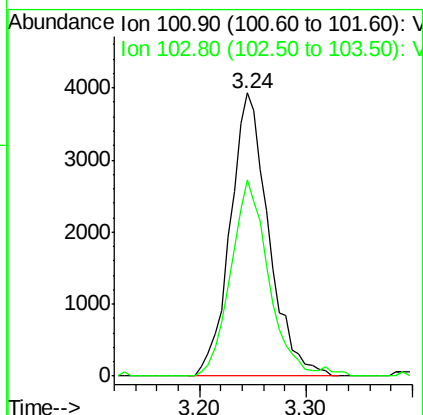
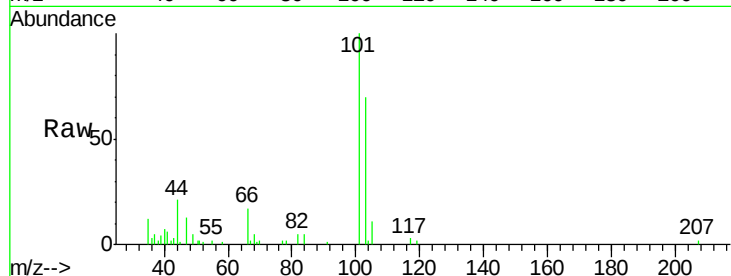
Trichlorofluoromethane
Concen: 9.325 ug/l
RT: 3.24 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW011156.D
Acq: 08 Jul 2019 11:07

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	9907		
103	69.6	51.3	76.9	

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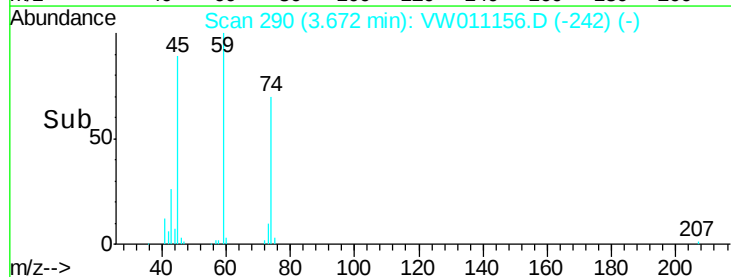
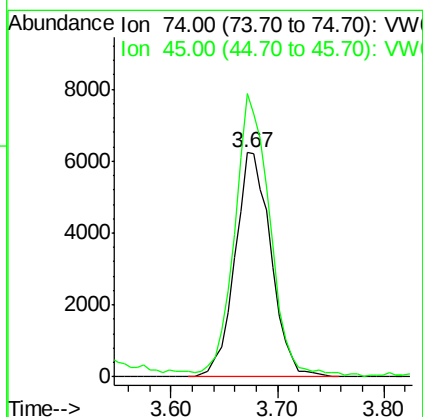
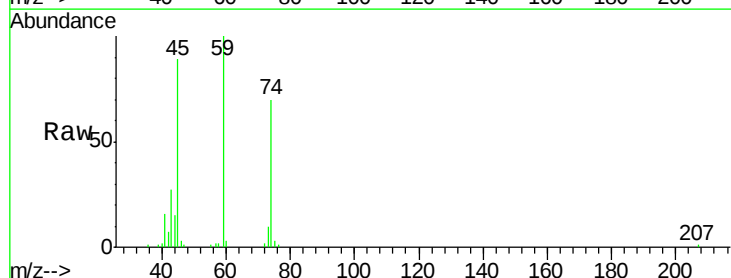
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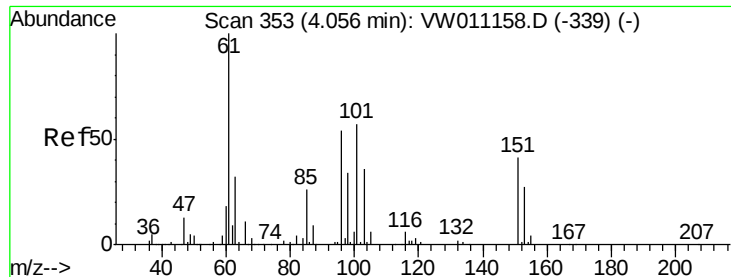


#8

Diethyl Ether
Concen: 10.053 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW011156.D
Acq: 08 Jul 2019 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	14777		
45	124.7	59.9	179.7	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.434 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW011156.D

Acq: 08 Jul 2019 11:07

Instrument :

MSVOA_W

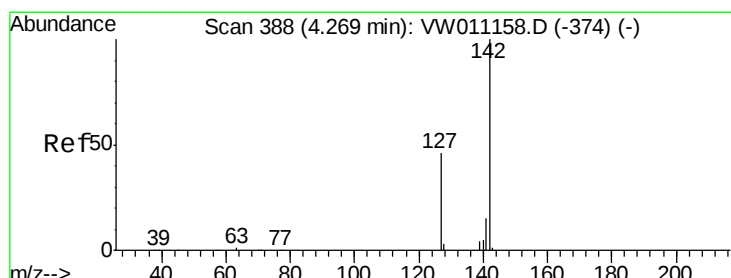
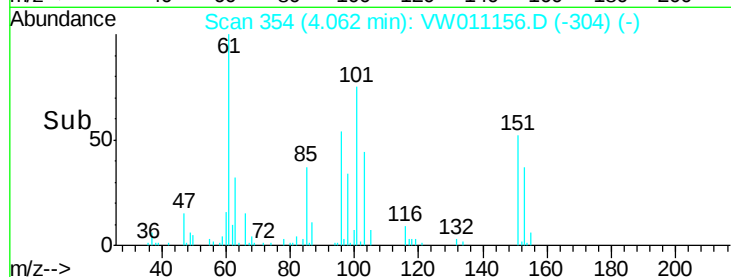
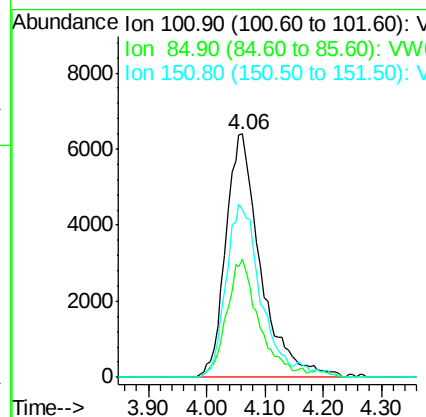
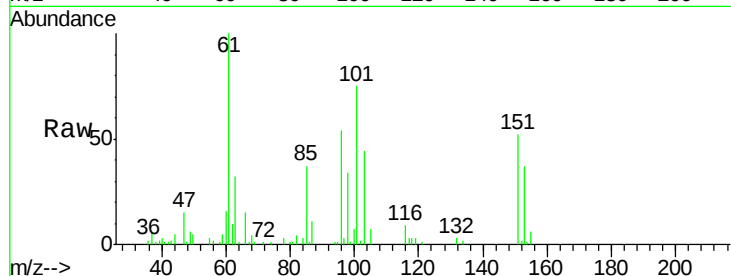
ClientSampleId :

VSTDIC010

Tot Ion:	101	Resp:	26551
Ion Ratio	Lower	Upper	
101	100		
85	44.5	36.5	54.7
151	69.3	59.1	88.7

Manual Integrations
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#10

Methyl Iodide

Concen: 9.721 ug/l

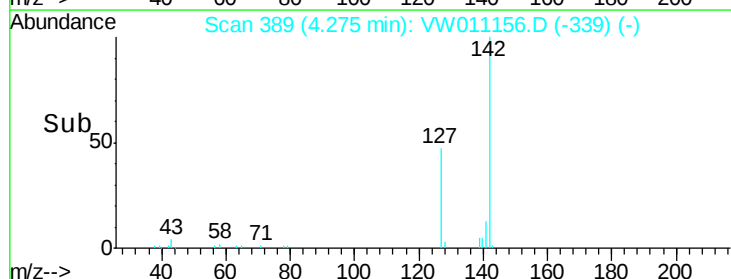
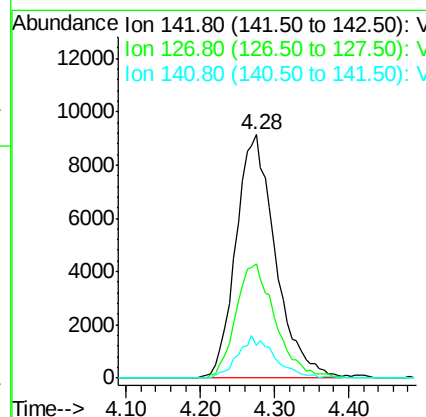
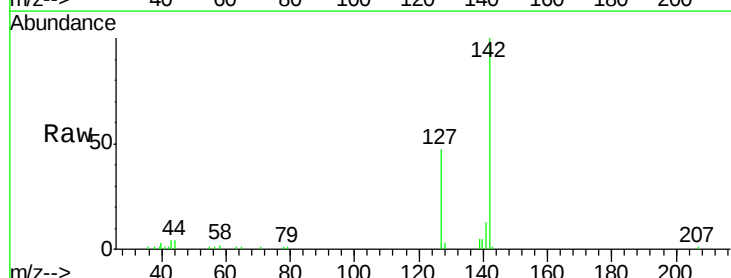
RT: 4.28 min Scan# 389

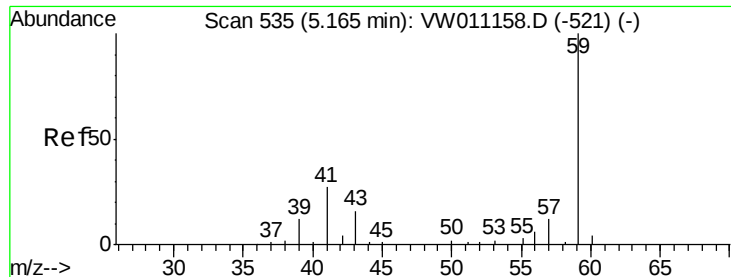
Delta R.T. 0.01 min

Lab File: VW011156.D

Acq: 08 Jul 2019 11:07

Tgt Ion:	142	Resp:	34025
Ion Ratio	Lower	Upper	
142	100		
127	46.9	35.7	53.5
141	16.0	11.5	17.3





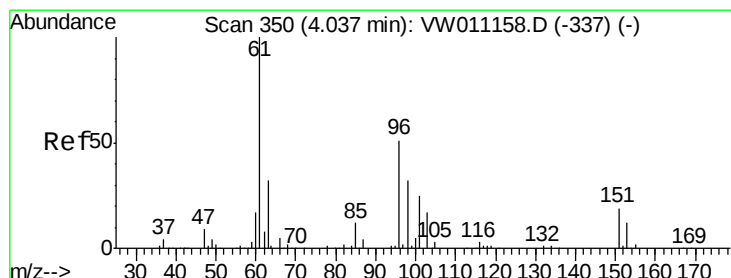
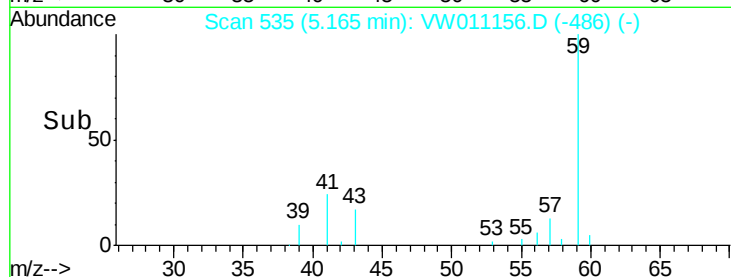
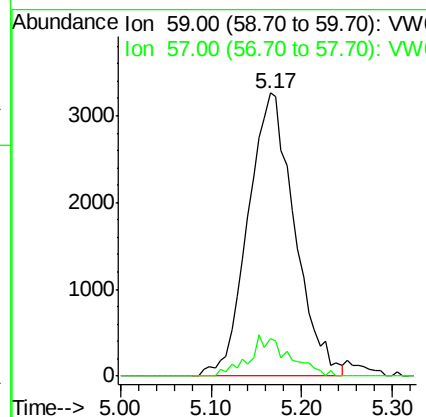
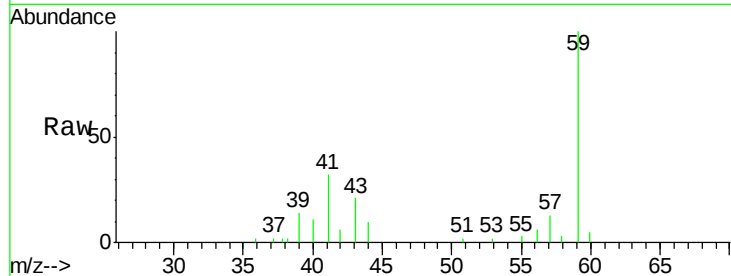
#11
Tert butyl alcohol
Concen: 52.649 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.00 min
Lab File: VW011156.D
Acq: 08 Jul 2019 11:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.4	9.0	13.6

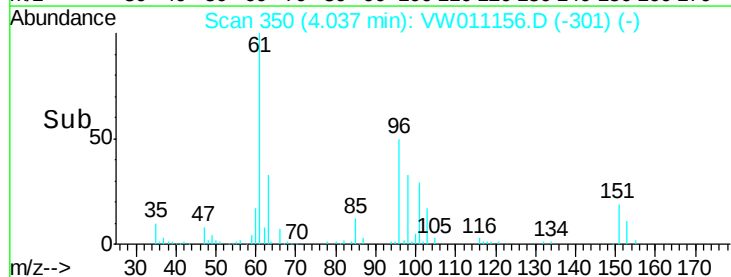
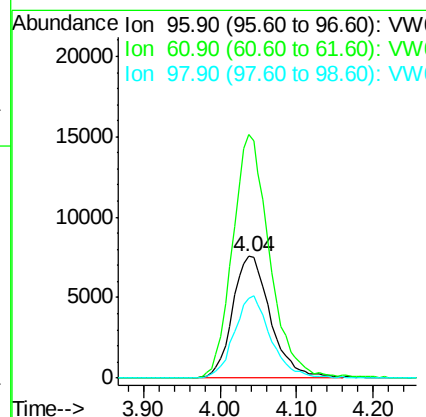
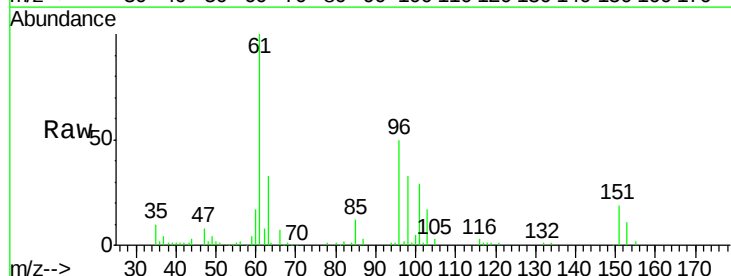
Manual Integrations
APPROVED

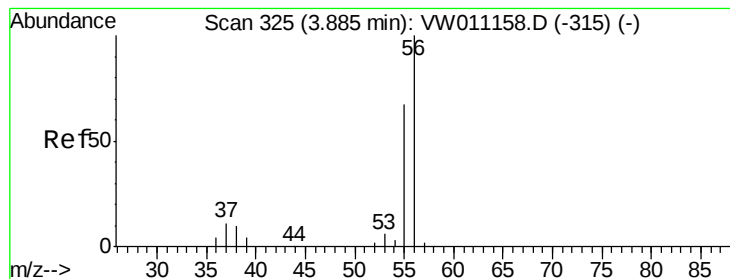
MMDadoda
7/9/2019 4:12:41 PM



#12
1,1-Dichloroethene
Concen: 9.832 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.00 min
Lab File: VW011156.D
Acq: 08 Jul 2019 11:07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	199.8	157.7	236.5
98	65.1	50.9	76.3





#13

Acrolein

Concen: 49.362 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW011156.D

Acq: 08 Jul 2019 11:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 56 Resp: 8694

Ion Ratio Lower Upper

56 100

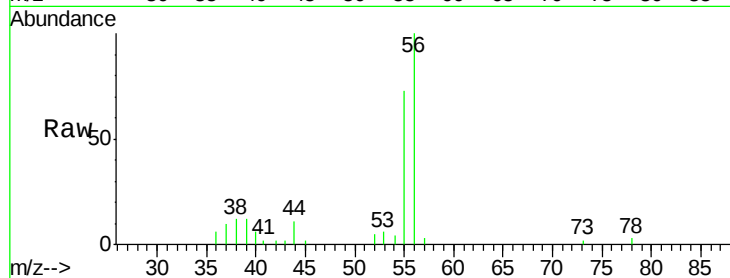
55 71.7 56.4 84.6

Manual Integrations

APPROVED

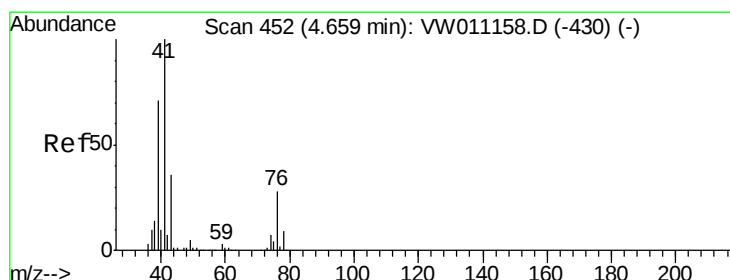
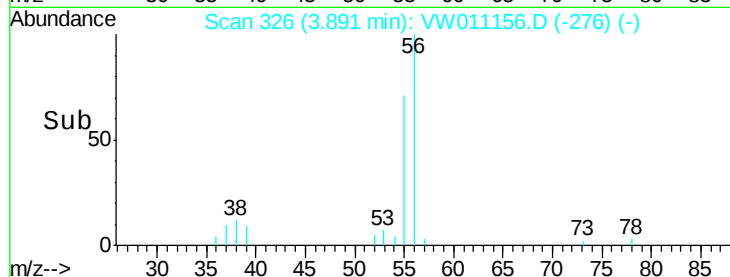
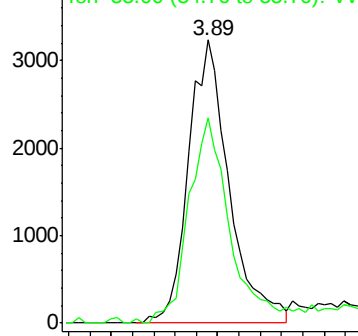
MMDadoda

7/9/2019 4:12:41 PM



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 9.877 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW011156.D

Acq: 08 Jul 2019 11:07

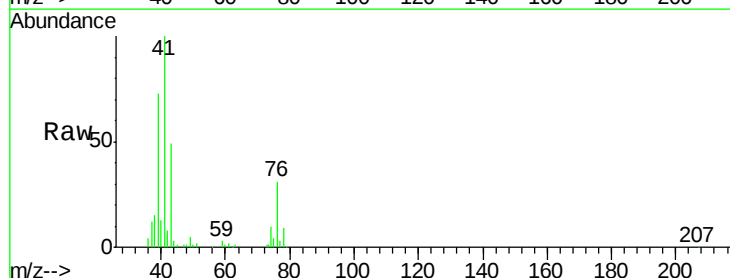
Tgt Ion: 41 Resp: 47570

Ion Ratio Lower Upper

41 100

39 69.1 55.1 82.7

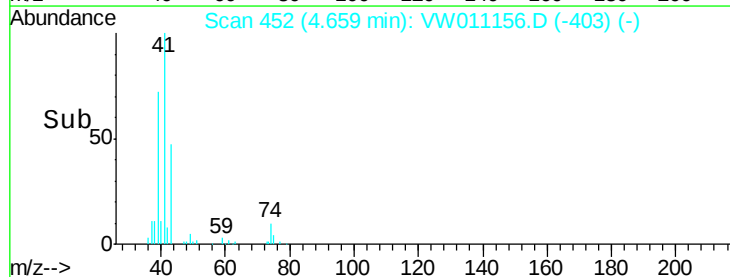
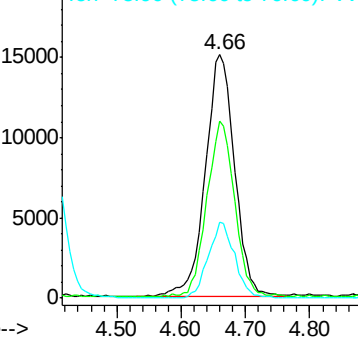
76 28.1 22.5 33.7

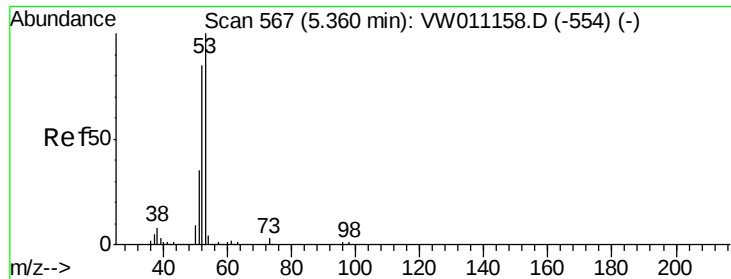


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 51.239 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW011156.D

Acq: 08 Jul 2019 11:07

Instrument :

MSVOA_W

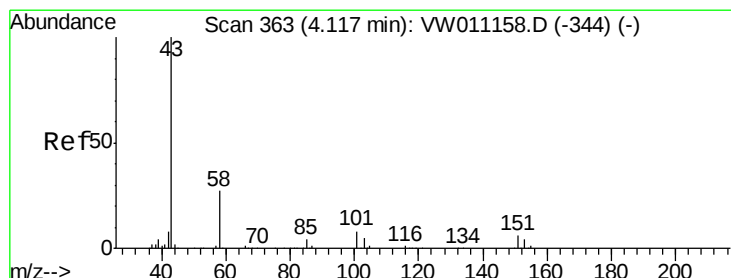
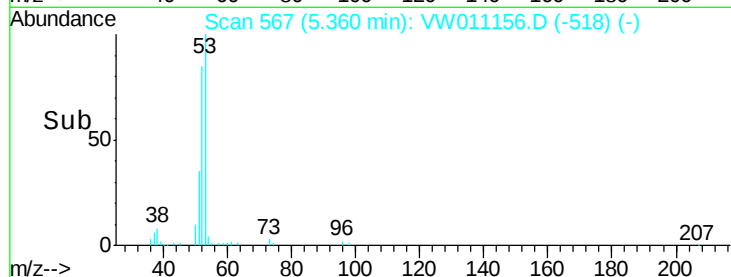
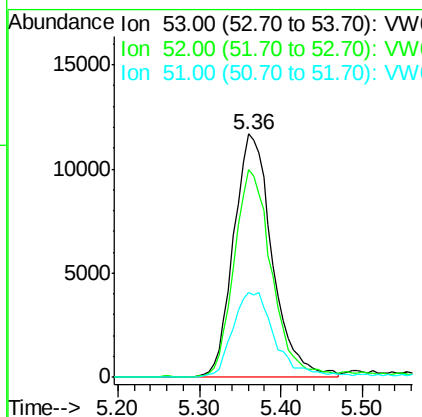
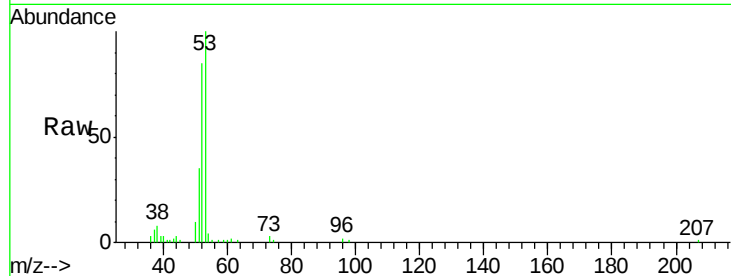
ClientSampleId :

VSTDIC010

Tot Ion:	53	Resp:	38360
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.2	99.4
51	38.2	29.1	43.7

Manual Integrations
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#16

Acetone

Concen: 51.387 ug/l

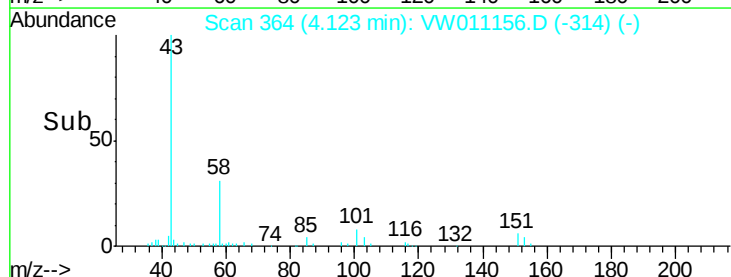
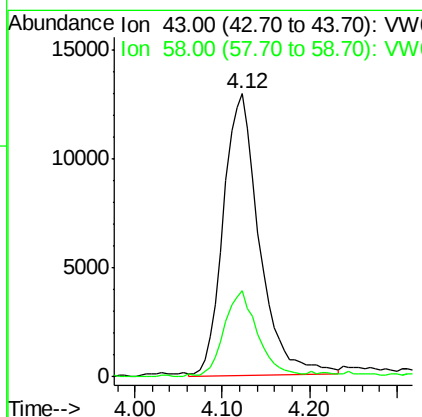
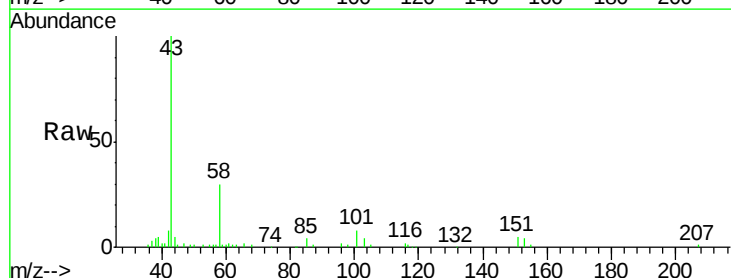
RT: 4.12 min Scan# 364

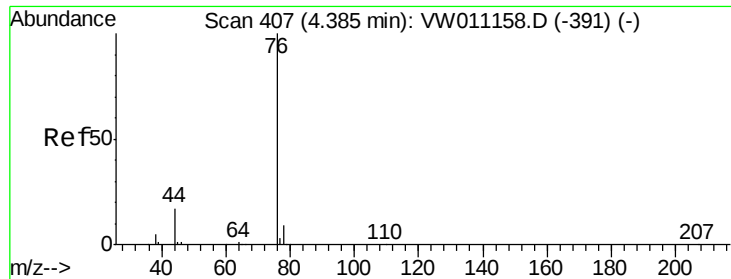
Delta R.T. 0.01 min

Lab File: VW011156.D

Acq: 08 Jul 2019 11:07

Tgt Ion:	43	Resp:	36938
Ion	Ratio	Lower	Upper
43	100		
58	29.8	21.8	32.6





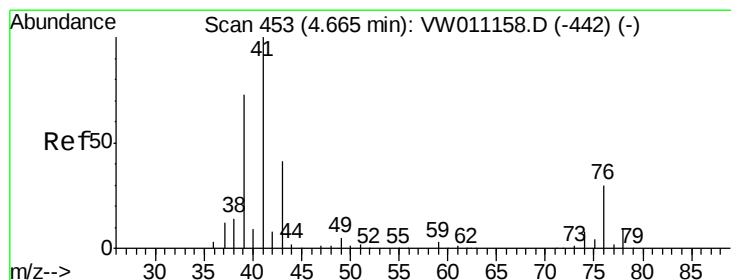
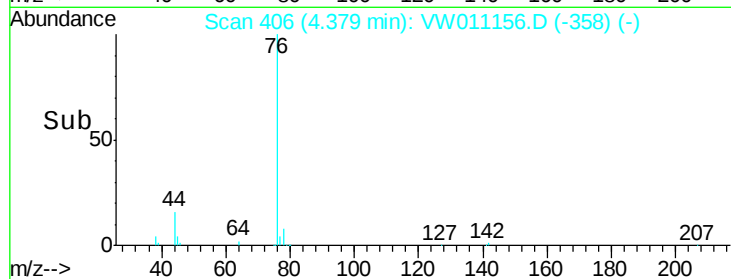
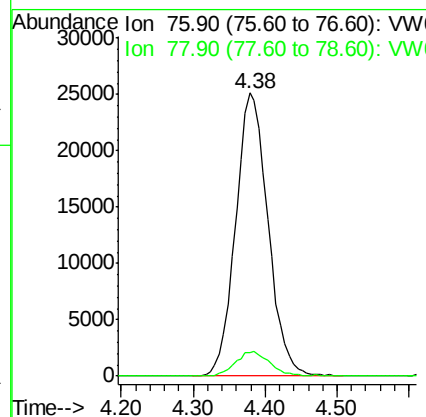
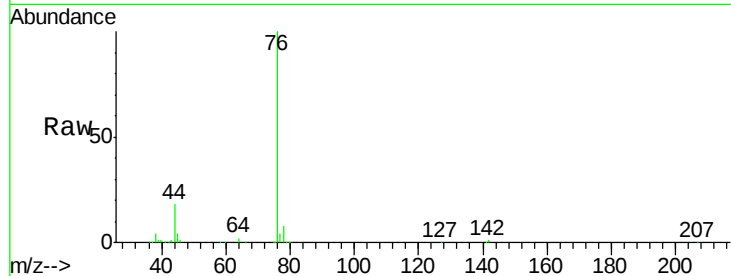
#17
Carbon Disulfide
Concen: 9.814 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW011156.D
Acq: 08 Jul 2019 11:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.4	7.1	10.7

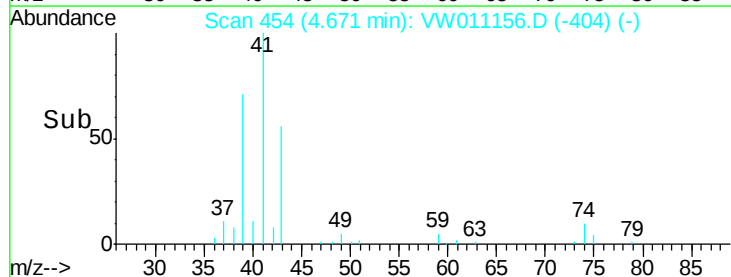
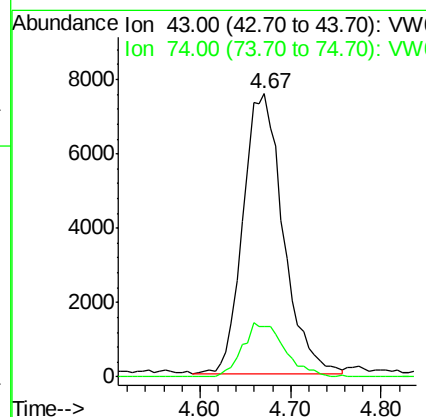
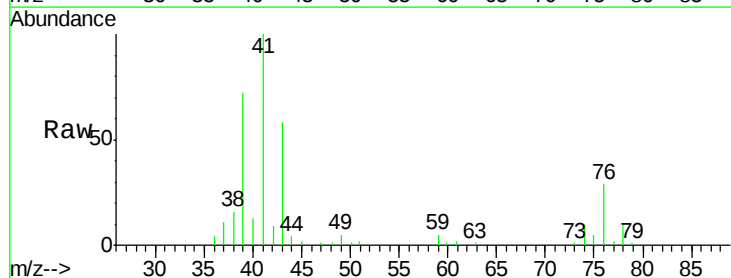
Manual Integrations
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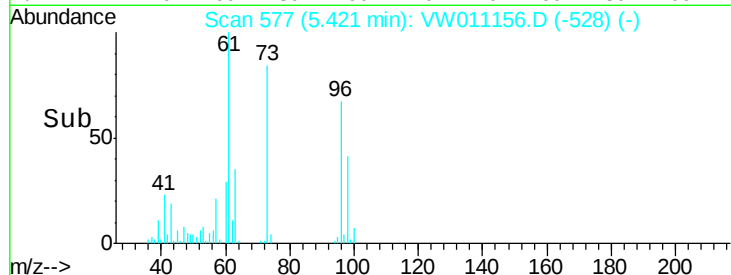
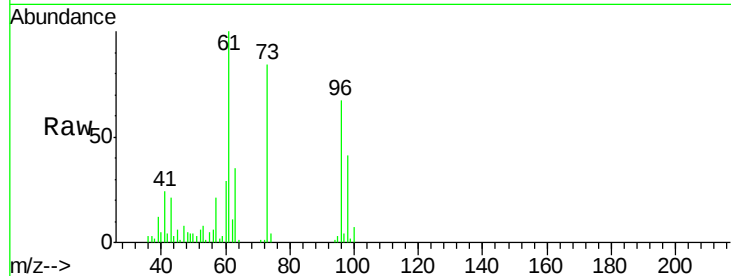
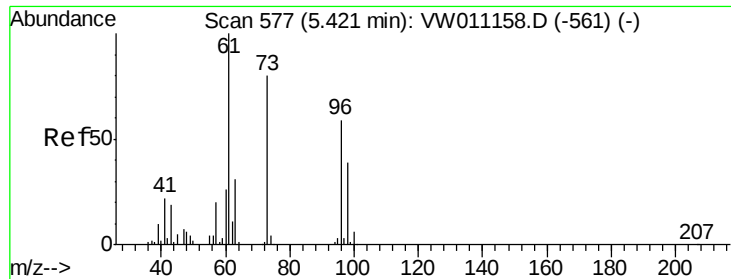
MMDadoda
7/9/2019 4:12:41 PM



#18
Methyl Acetate
Concen: 10.258 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW011156.D
Acq: 08 Jul 2019 11:07

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.0	15.7	23.5





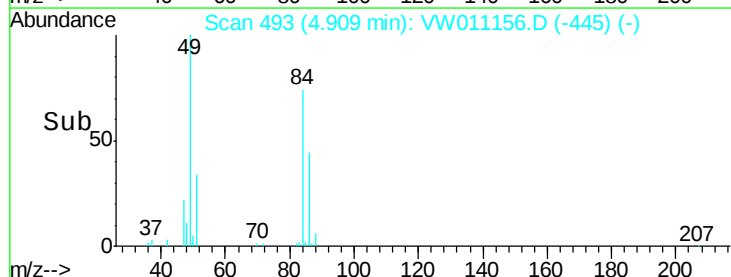
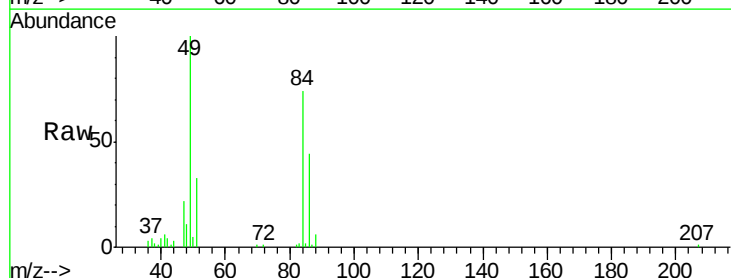
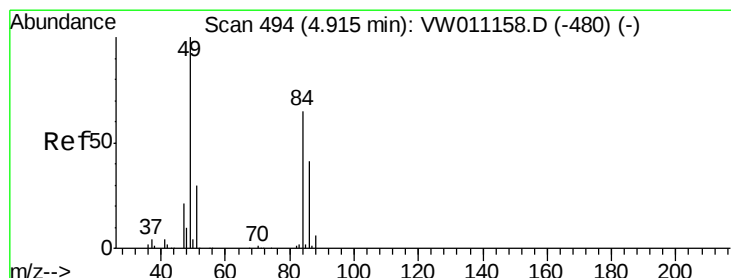
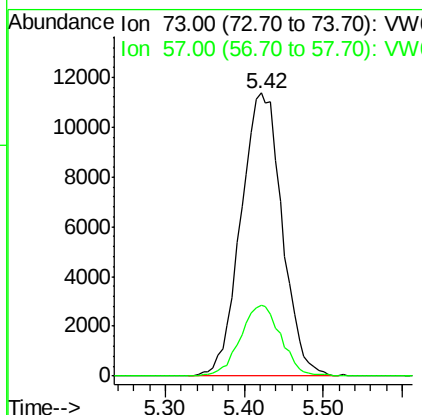
#19
Methyl tert-butyl Ether
Concen: 10.281 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW011156.D
Acq: 08 Jul 2019 11:07

Tot Ion: 73 Resp: 41204
Ion Ratio Lower Upper
73 100
57 25.2 19.7 29.5

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

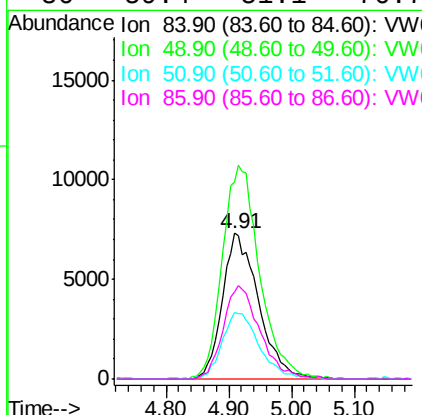
Manual Integrations
APPROVED

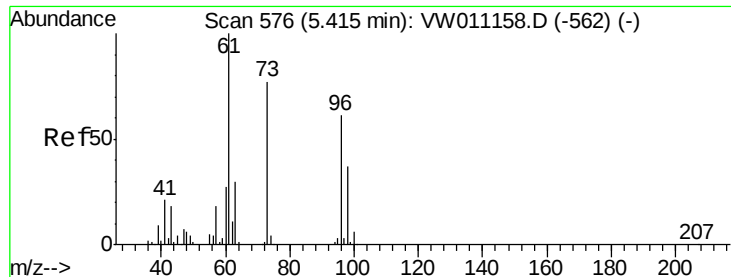
MMDadoda
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#20
Methylene Chloride
Concen: 10.298 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011156.D
Acq: 08 Jul 2019 11:07

Tgt Ion: 84 Resp: 29203
Ion Ratio Lower Upper
84 100
49 135.5 123.8 185.6
51 45.4 37.4 56.2
86 59.4 51.1 76.7





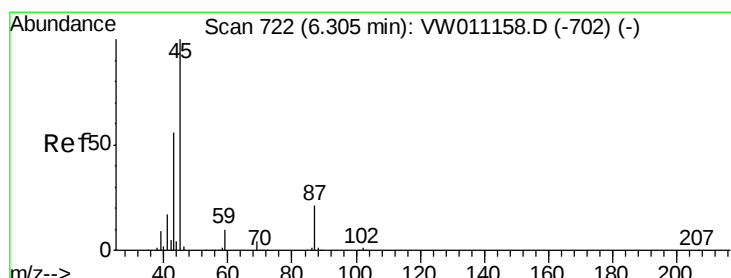
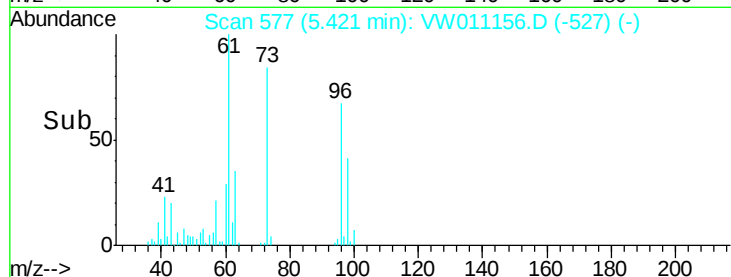
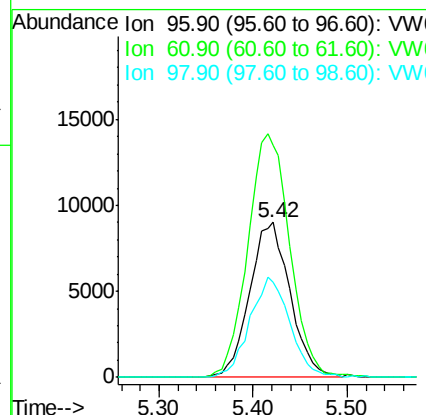
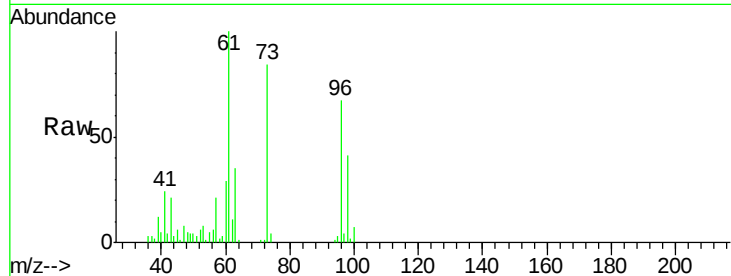
#21
trans-1,2-Dichloroethene
Concen: 9.897 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW011156.D
Acq: 08 Jul 2019 11:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.7	132.2	198.2
98	61.5	49.4	74.0

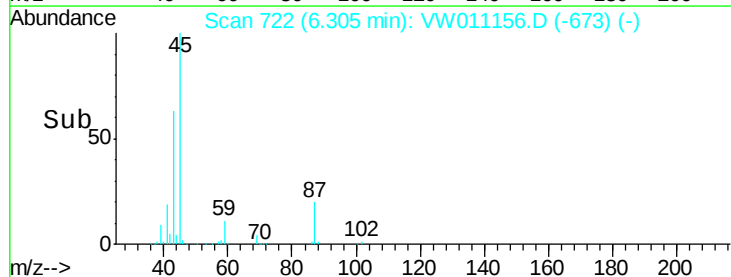
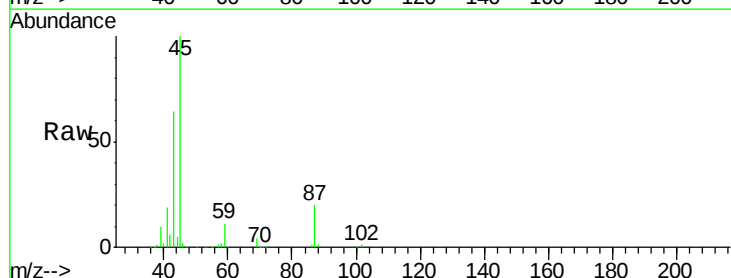
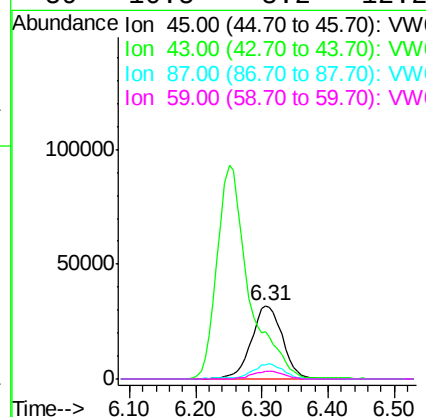
Manual Integrations
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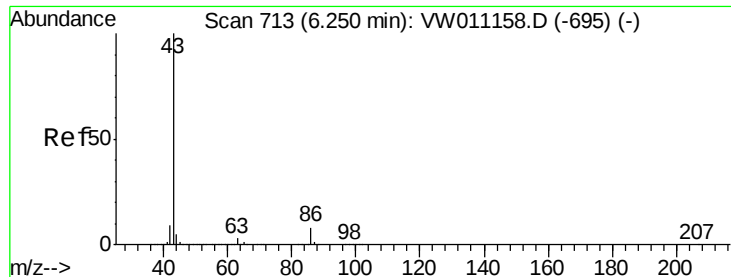
MMDadoda
7/9/2019 4:12:41 PM



#22
Diisopropyl ether
Concen: 10.104 ug/l
RT: 6.31 min Scan# 722
Delta R.T. -0.00 min
Lab File: VW011156.D
Acq: 08 Jul 2019 11:07

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.4	44.6	66.8
87	19.7	17.3	25.9
59	10.5	8.2	12.2





#23

Vinyl Acetate

Concen: 48.438 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW011156.D

Acq: 08 Jul 2019 11:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 310533

Ion Ratio Lower Upper

43 100

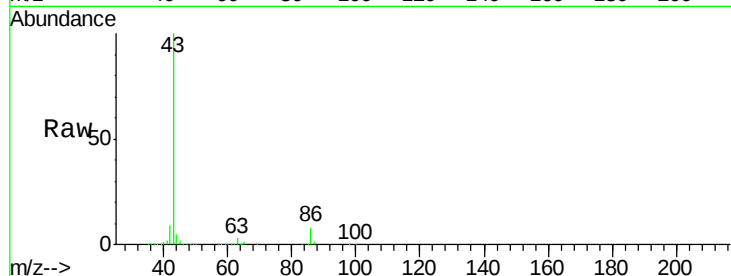
86 7.8 6.5 9.7

Manual Integrations

APPROVED

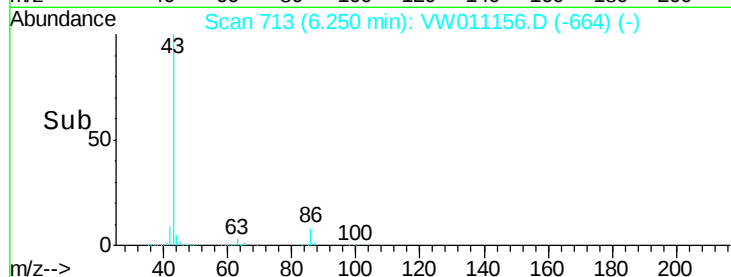
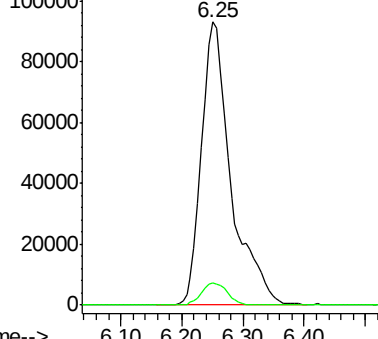
MMDadoda

7/9/2019 4:12:41 PM

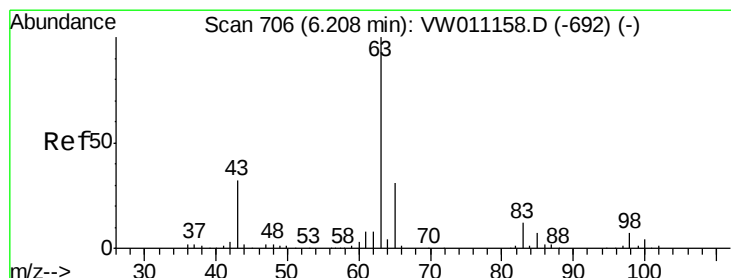


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



Time-->



#24

1,1-Dichloroethane

Concen: 9.828 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.01 min

Lab File: VW011156.D

Acq: 08 Jul 2019 11:07

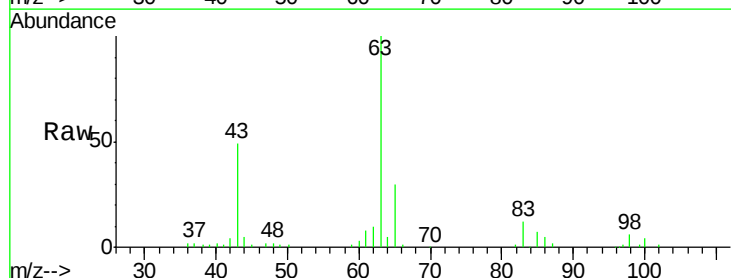
Tgt Ion: 63 Resp: 53464

Ion Ratio Lower Upper

63 100

98 6.3 3.3 9.9

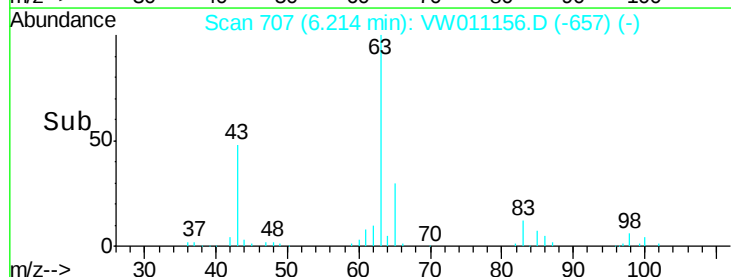
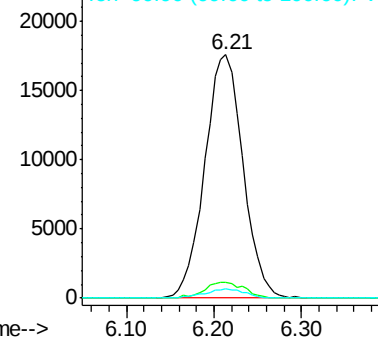
100 3.8 2.1 6.2



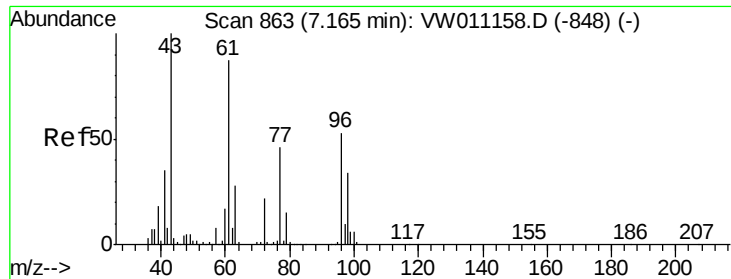
Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW



Time-->



#25

2-Butanone

Concen: 50.697 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW011156.D

Acq: 08 Jul 2019 11:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 57205

Ion Ratio Lower Upper

43 100

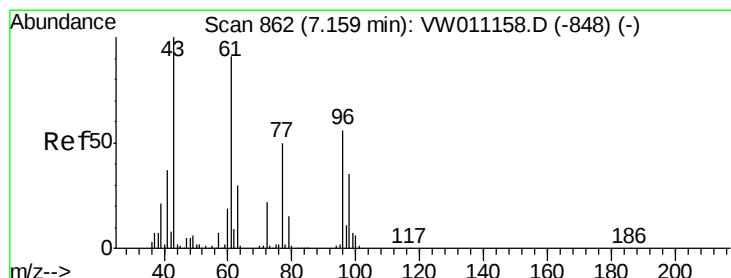
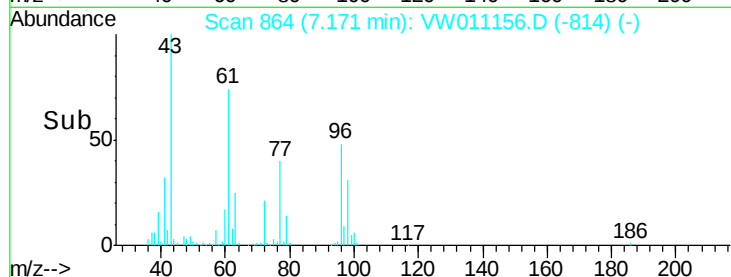
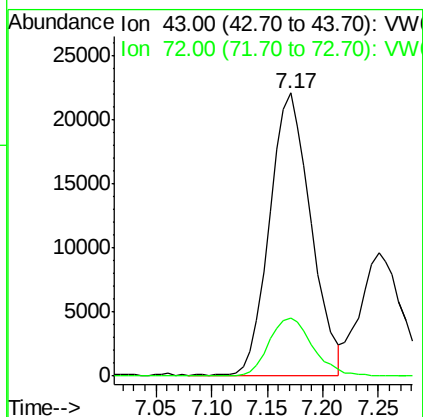
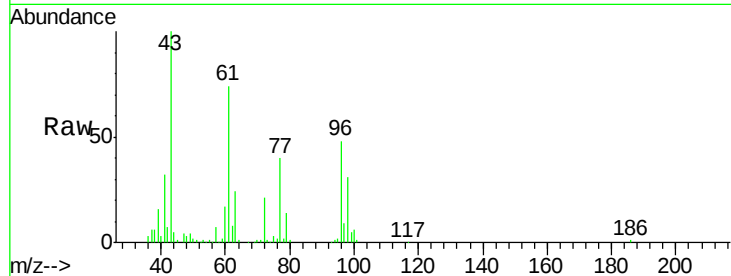
72 20.5 17.6 26.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 10.149 ug/l

RT: 7.16 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW011156.D

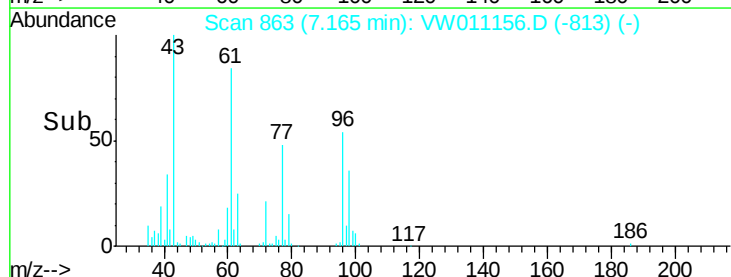
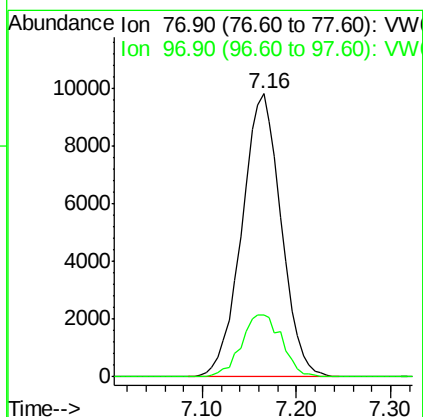
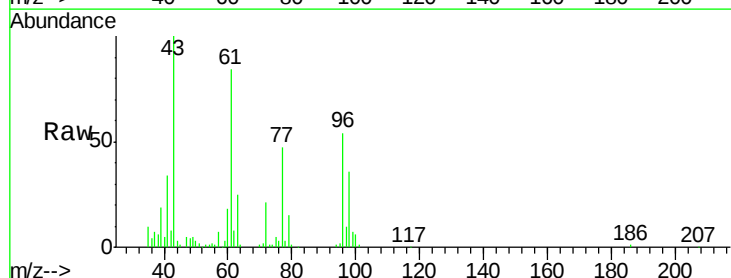
Acq: 08 Jul 2019 11:07

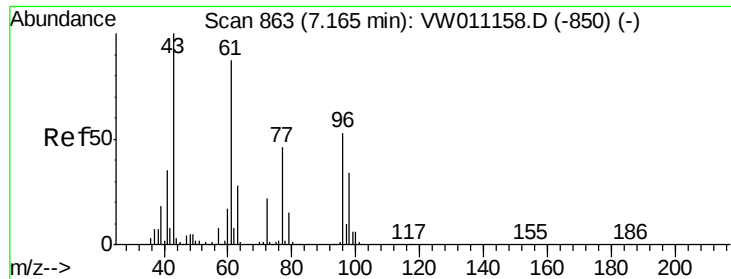
Tgt Ion: 77 Resp: 28697

Ion Ratio Lower Upper

77 100

97 22.7 11.2 33.5





#27

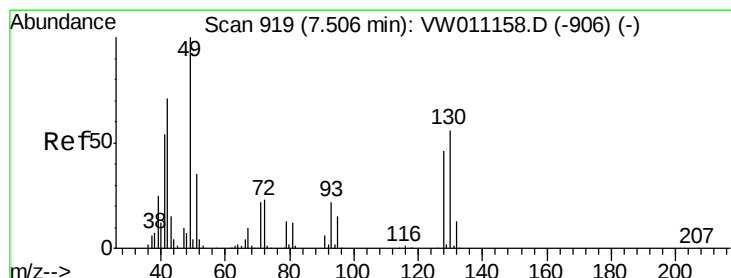
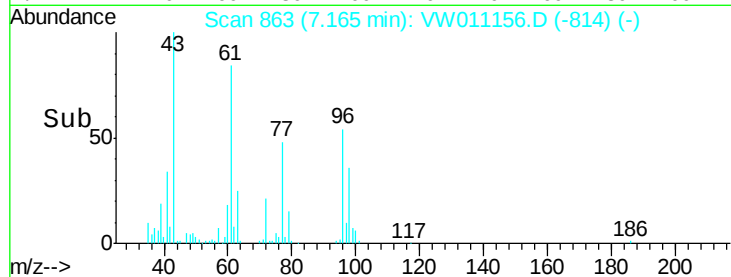
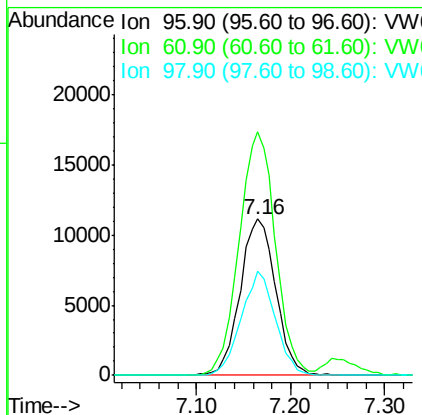
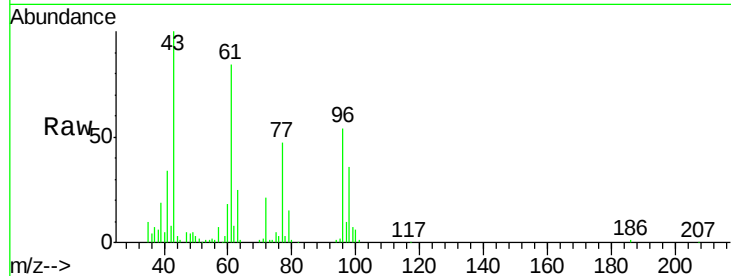
cis-1,2-Dichloroethene
 Concen: 9.978 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW011156.D
 Acq: 08 Jul 2019 11:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
96	100		
61	158.6	0.0	325.6
98	63.7	0.0	128.2

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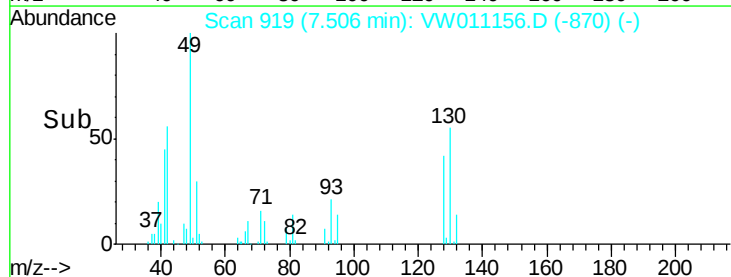
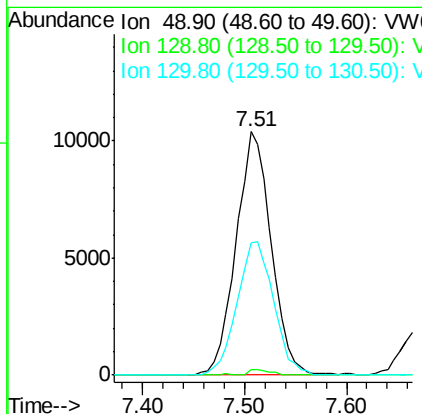
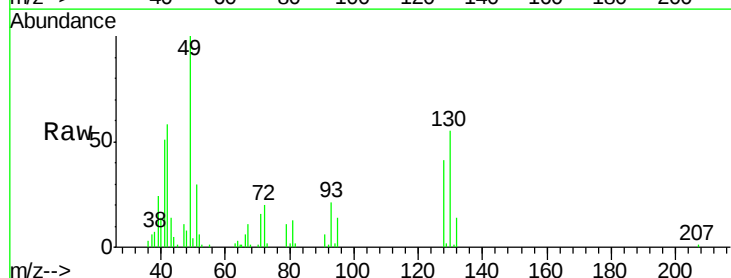
MMDadoda
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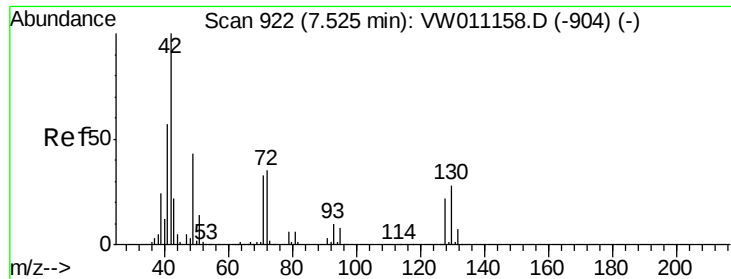


#28

Bromochloromethane
 Concen: 10.029 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW011156.D
 Acq: 08 Jul 2019 11:07

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	1.4
130	57.0	45.8	68.8





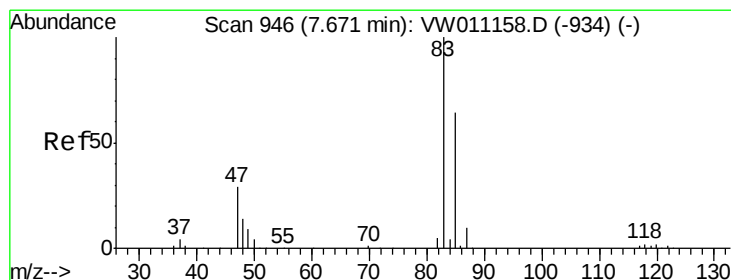
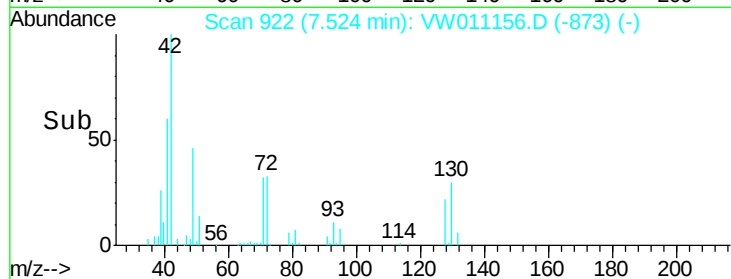
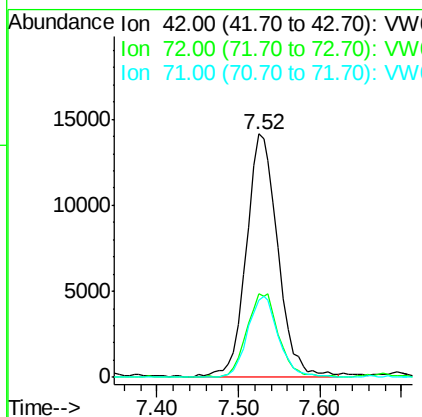
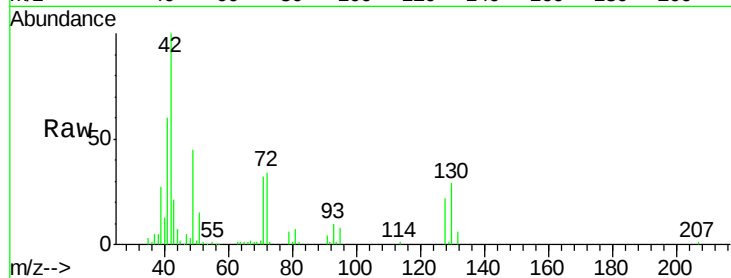
#29
Tetrahydrofuran
Concen: 51.724 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW011156.D
Acq: 08 Jul 2019 11:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.8	27.4	41.2
71	32.4	25.9	38.9

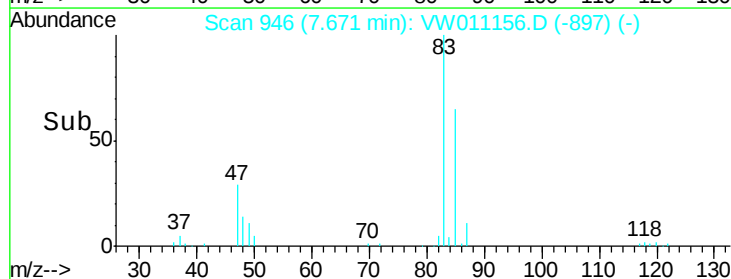
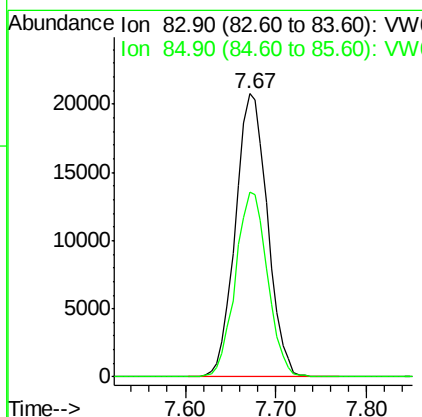
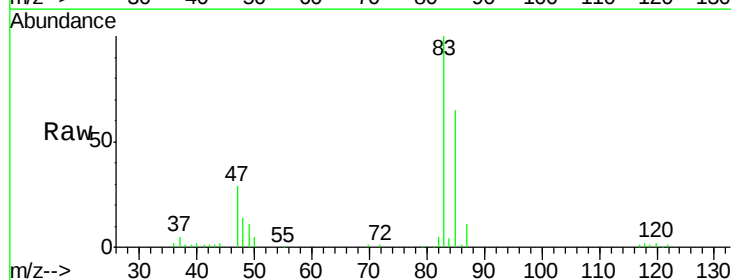
Manual Integrations
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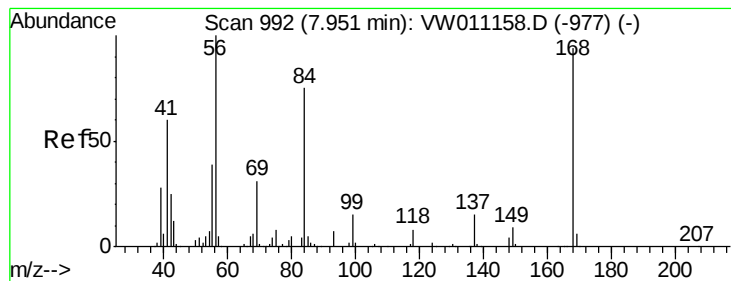
MMDadoda
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#30
Chloroform
Concen: 10.115 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW011156.D
Acq: 08 Jul 2019 11:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.4	77.2





#31

Cyclohexane

Concen: 10.419 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW011156.D

Acq: 08 Jul 2019 11:07

Instrument :

MSVOA_W

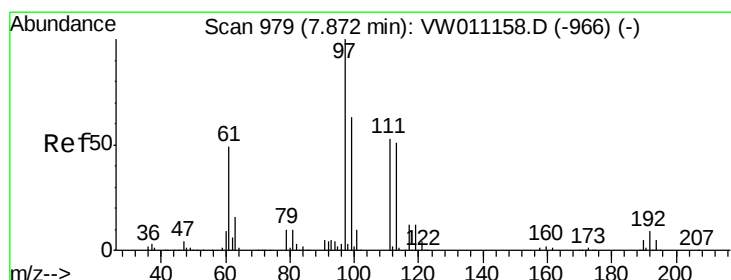
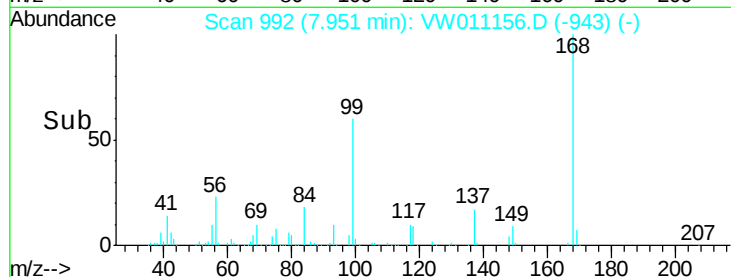
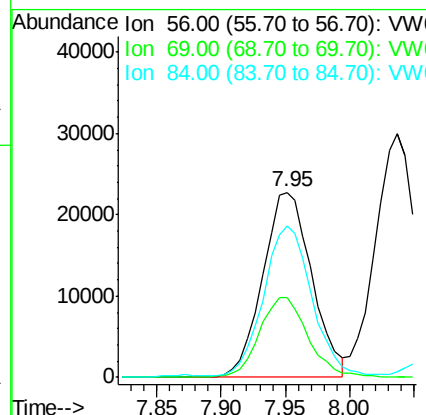
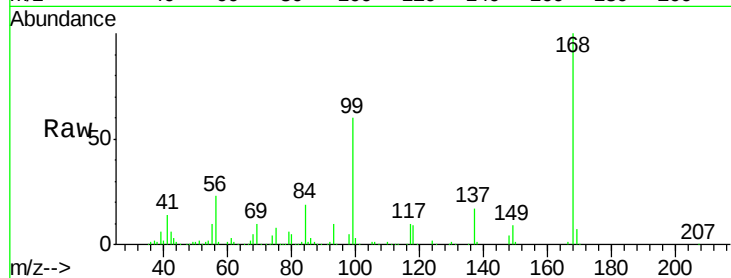
ClientSampleId :

VSTDIC010

Tot Ion:	56	Resp:	60297
Ion Ratio		Lower	Upper
56	100		
69	43.1	24.6	36.8#
84	81.0	60.1	90.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 9.815 ug/l

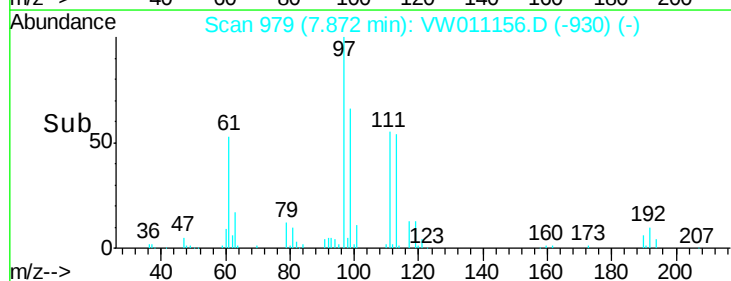
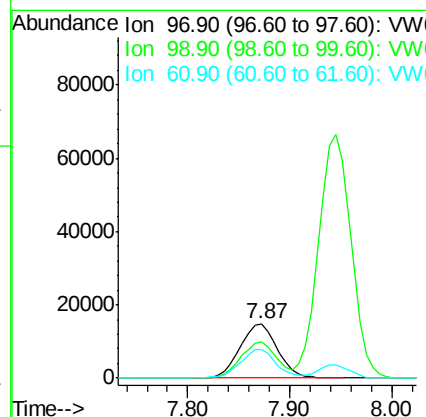
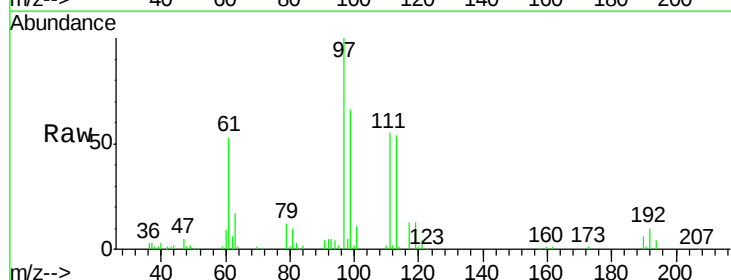
RT: 7.87 min Scan# 979

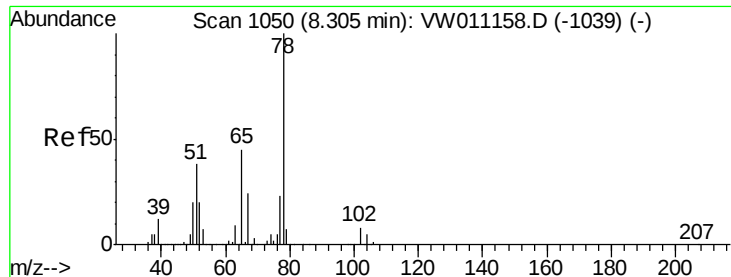
Delta R.T. -0.00 min

Lab File: VW011156.D

Acq: 08 Jul 2019 11:07

Tgt Ion:	97	Resp:	37614
Ion Ratio		Lower	Upper
97	100		
99	64.5	51.0	76.4
61	51.8	40.4	60.6





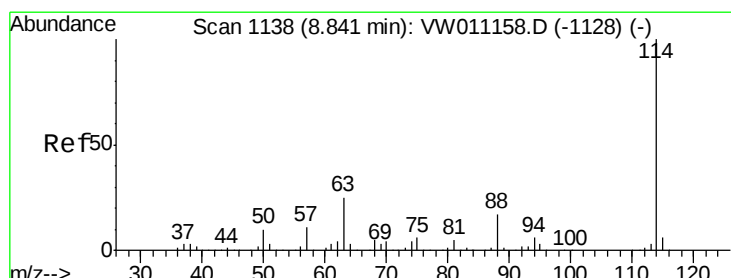
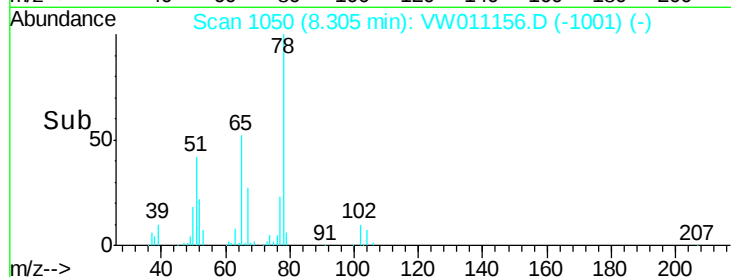
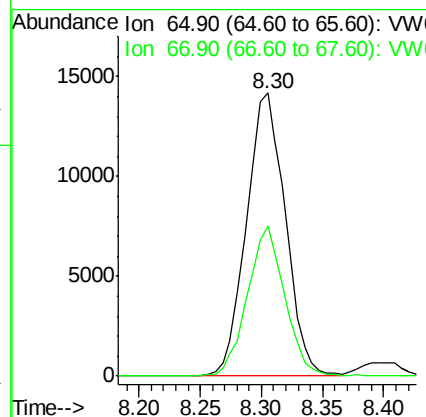
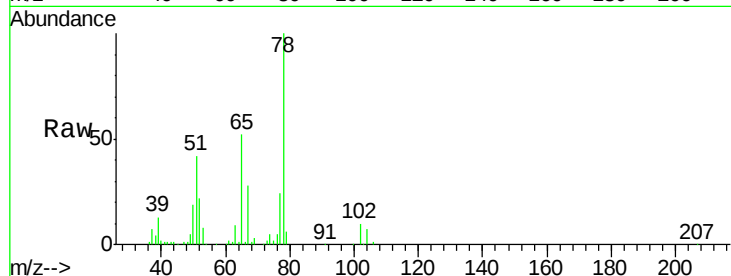
#33
 1,2-Dichloroethane-d4
 Concen: 10.514 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011156.D
 Acq: 08 Jul 2019 11:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
65	100	31411		
67	50.7	0.0	104.4	

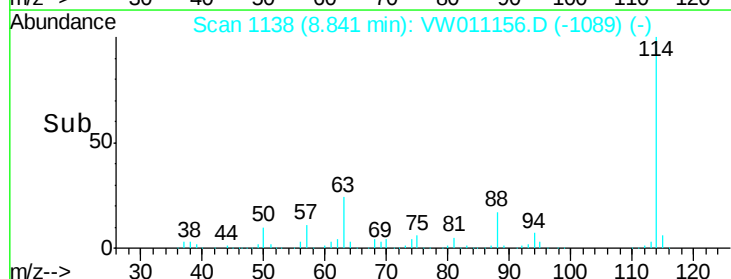
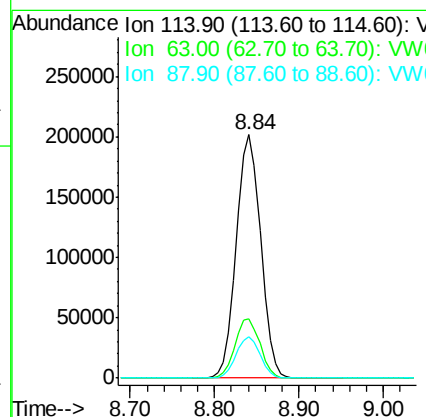
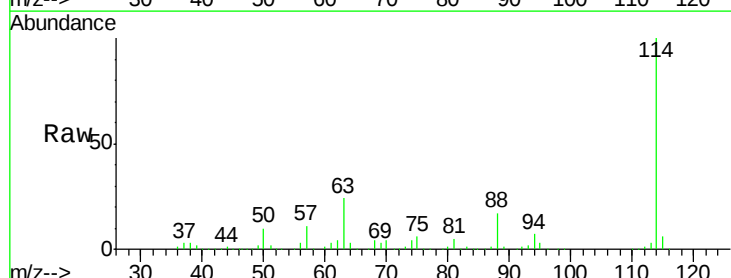
Manual Integrations
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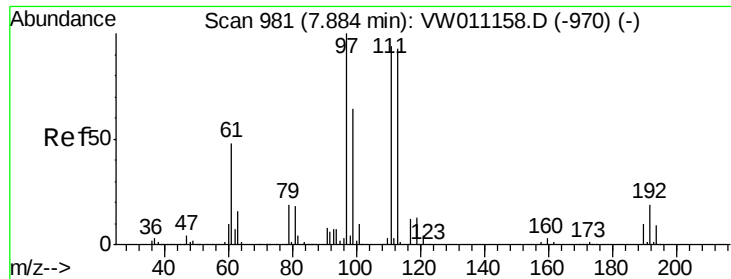
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011156.D
 Acq: 08 Jul 2019 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	395155		
63	24.2	0.0	50.8	
88	17.1	0.0	34.2	





#35

Dibromofluoromethane

Concen: 10.222 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW011156.D

Acq: 08 Jul 2019 11:07

Instrument :

MSVOA_W

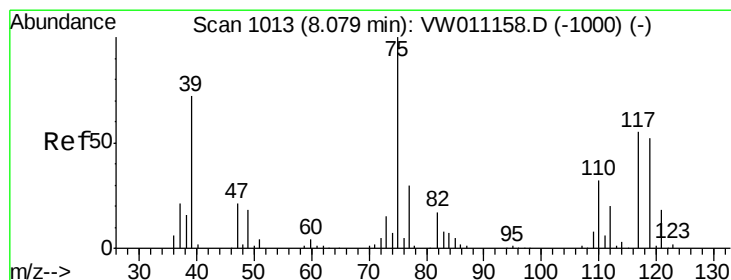
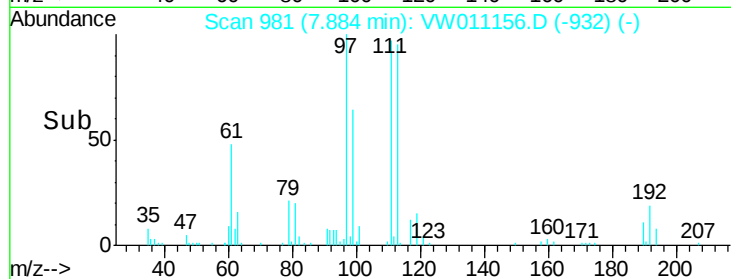
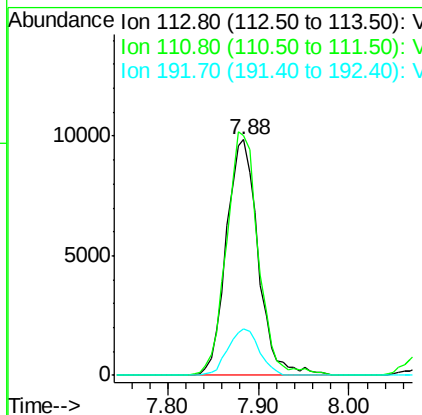
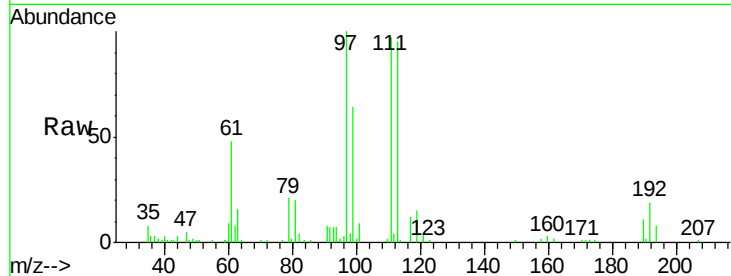
ClientSampleId :

VSTDIC010

Tot Ion:	113	Resp:	24077
Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.4	123.6
192	19.4	15.8	23.8

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#36

1,1-Dichloropropene

Concen: 9.931 ug/l

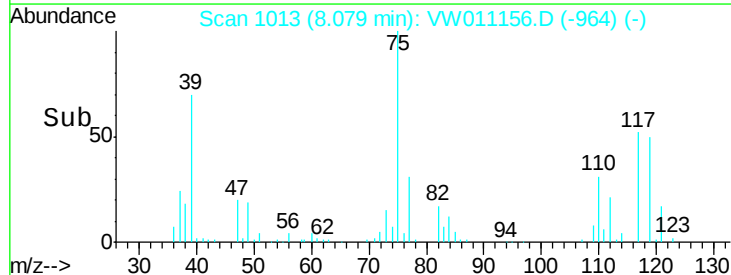
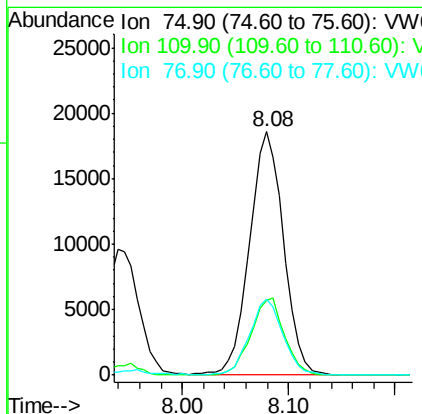
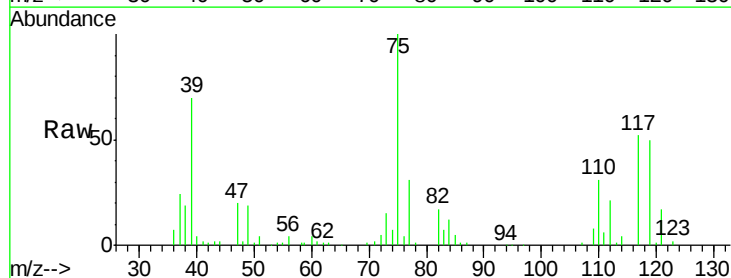
RT: 8.08 min Scan# 1013

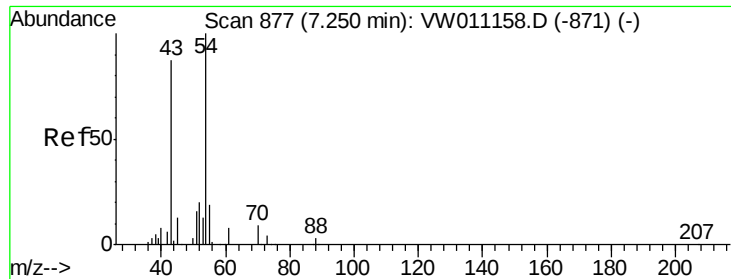
Delta R.T. -0.00 min

Lab File: VW011156.D

Acq: 08 Jul 2019 11:07

Tgt Ion:	75	Resp:	41788
Ion	Ratio	Lower	Upper
75	100		
110	30.9	15.9	47.6
77	30.8	24.6	36.8





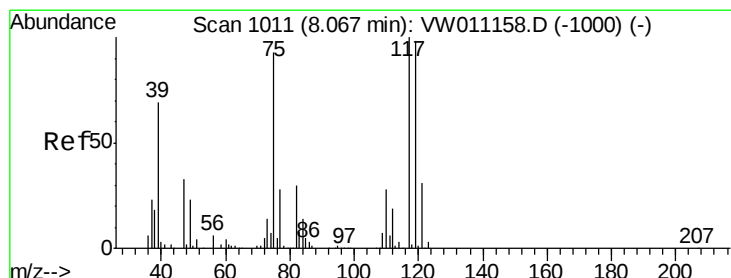
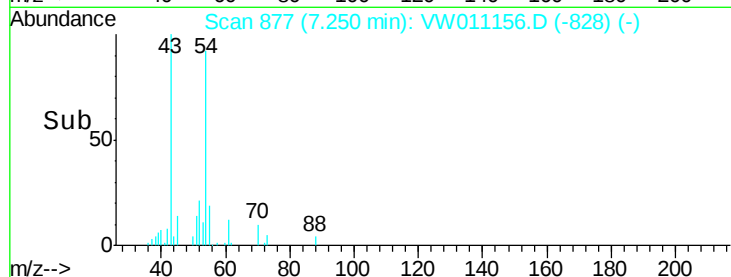
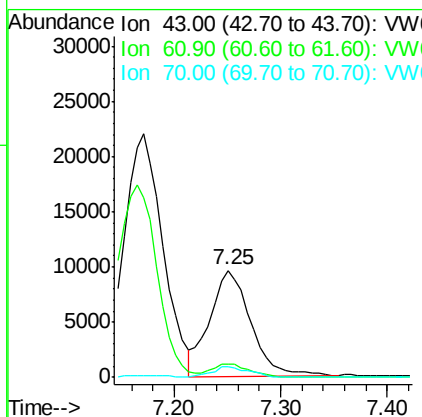
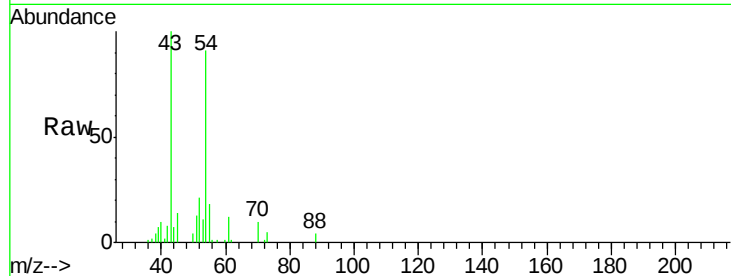
#37
Ethyl Acetate
Concen: 10.143 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW011156.D
Acq: 08 Jul 2019 11:07

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.4	9.5	14.3
70	9.3	7.1	10.7

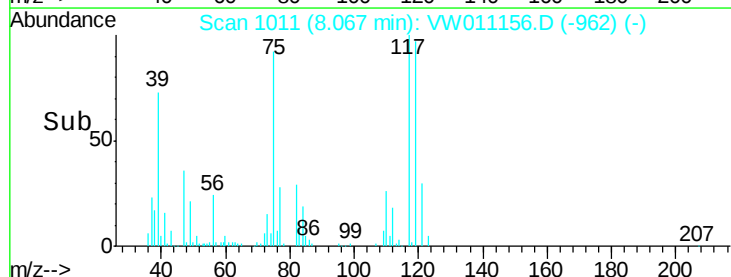
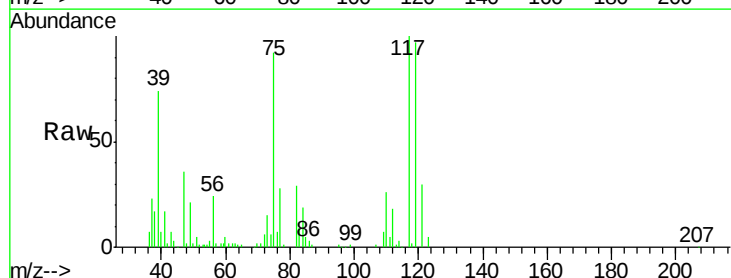
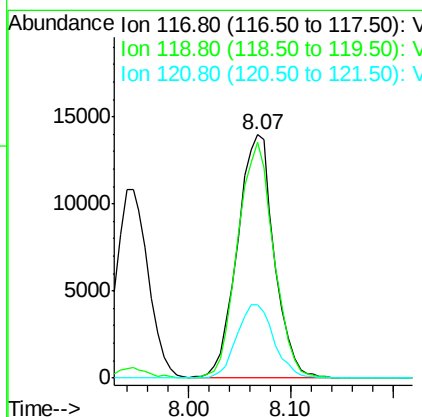
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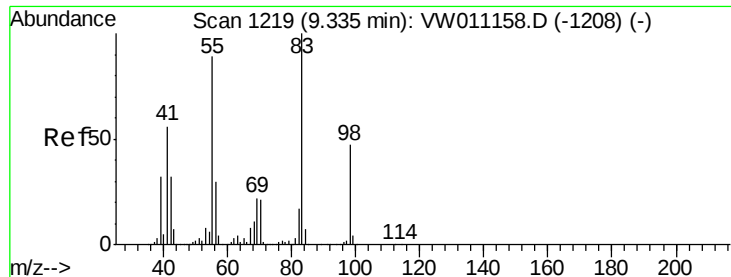
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#38
Carbon Tetrachloride
Concen: 9.808 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW011156.D
Acq: 08 Jul 2019 11:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.0	78.1	117.1
121	30.1	25.1	37.7





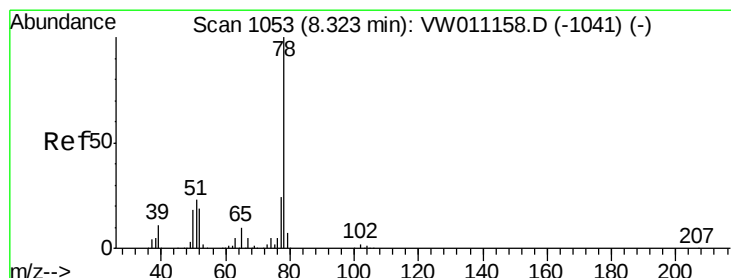
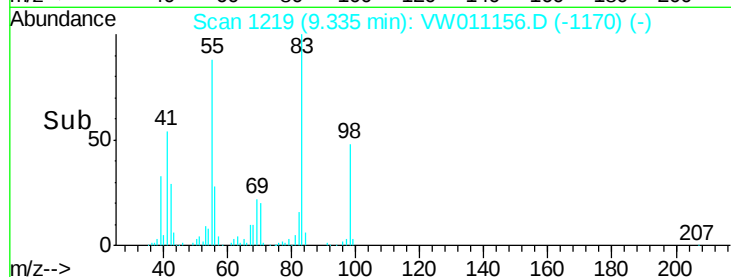
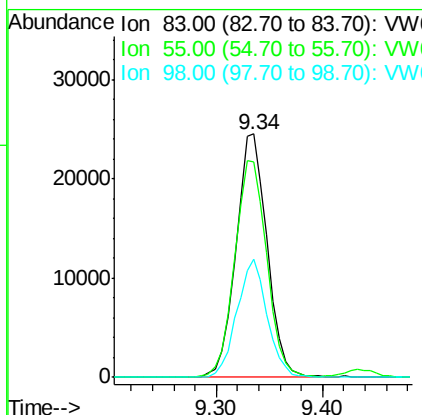
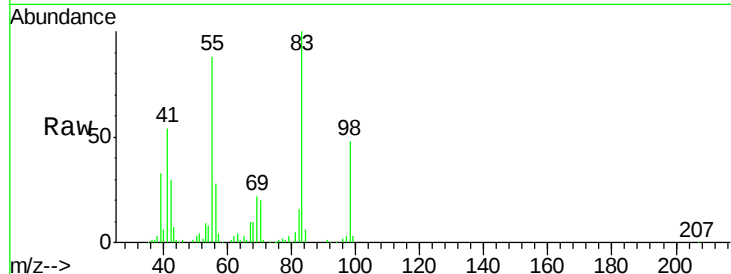
#39
Methvlcvclohexane
Concen: 9.876 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW011156.D
Acq: 08 Jul 2019 11:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.2	71.2	106.8
98	48.4	37.5	56.3

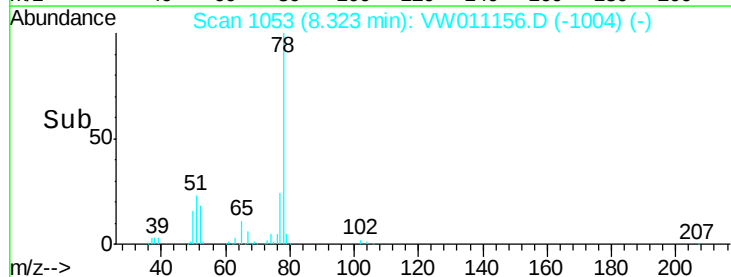
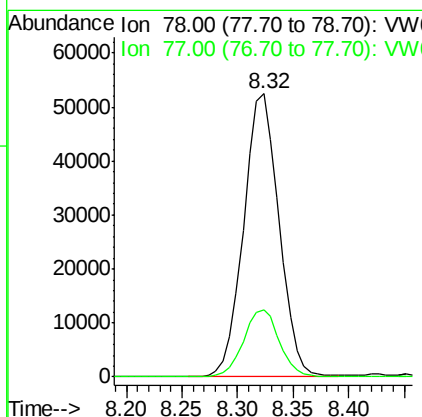
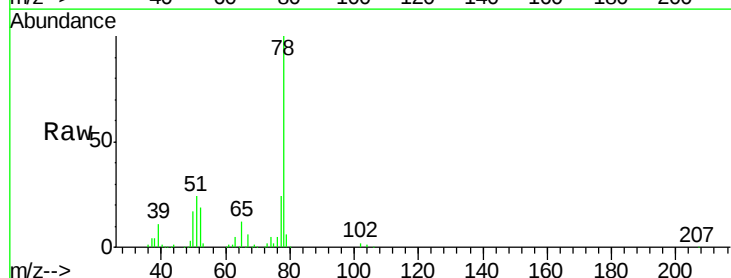
Manual Integrations
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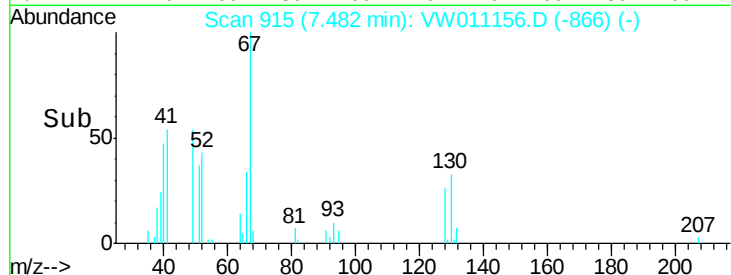
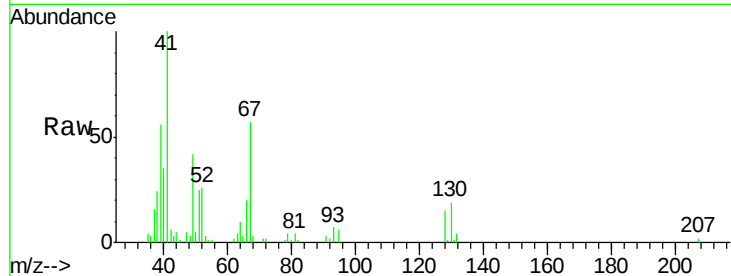
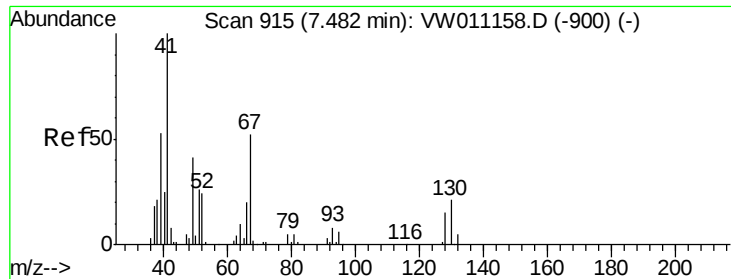
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#40
Benzene
Concen: 9.998 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW011156.D
Acq: 08 Jul 2019 11:07

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.6





#41

Methacrylonitrile

Concen: 8.760 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW011156.D

Acq: 08 Jul 2019 11:07

Tot Ion:	41	Resp:	12667
Ion	Ratio	Lower	Upper
41	100		
39	63.7	48.0	72.0
67	70.1	49.7	74.5
52	31.1	23.4	35.0

Instrument :

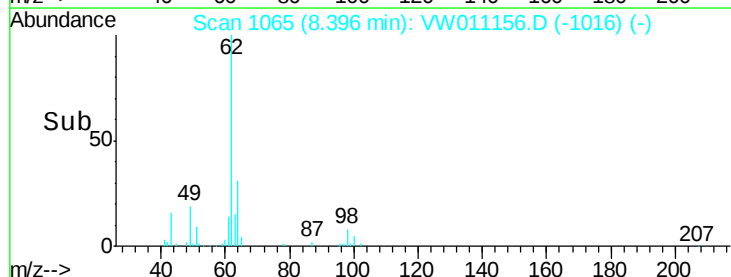
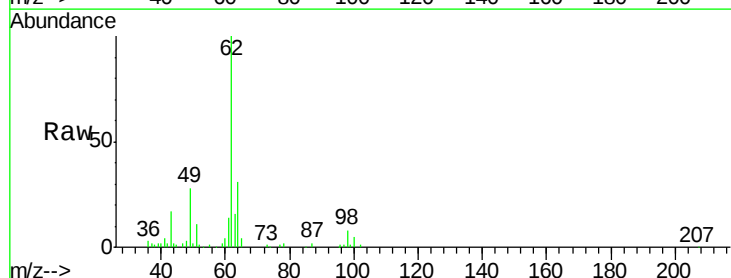
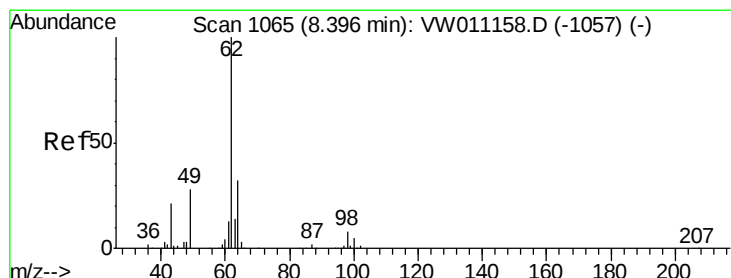
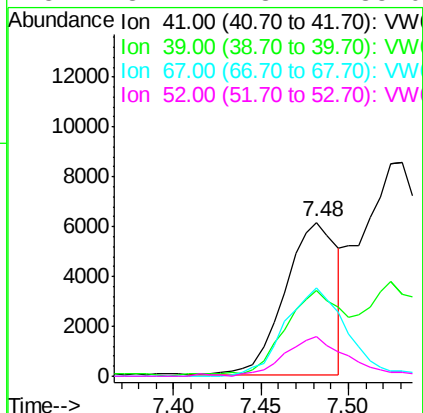
MSVOA_W

ClientSampleId :

VSTDIC010

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 10.047 ug/l

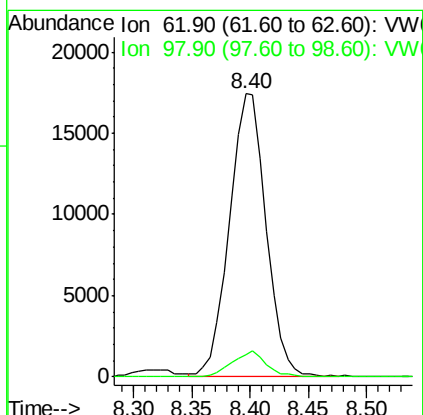
RT: 8.40 min Scan# 1065

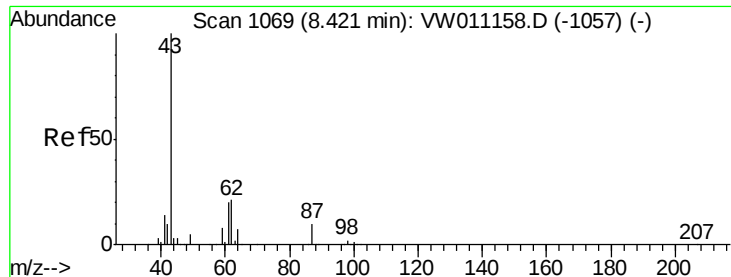
Delta R.T. -0.00 min

Lab File: VW011156.D

Acq: 08 Jul 2019 11:07

Tgt Ion:	62	Resp:	37903
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	16.8





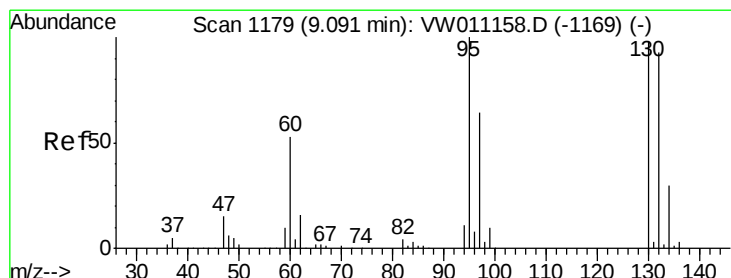
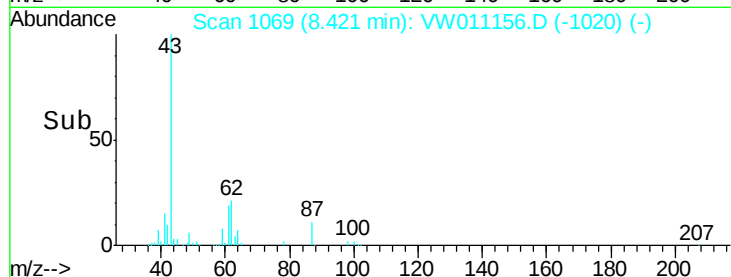
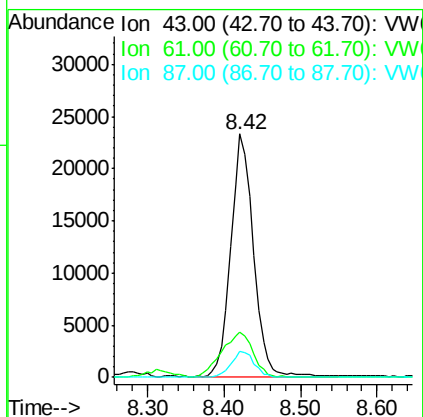
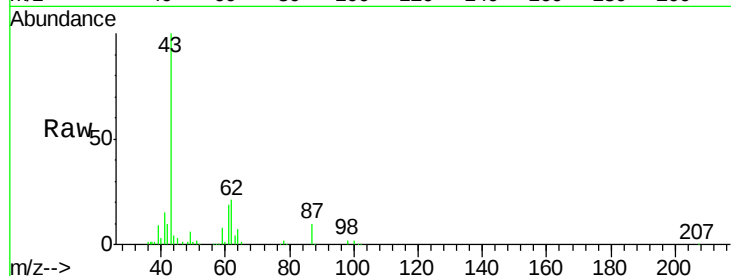
#43
Isopropyl Acetate
Concen: 9.990 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VW011156.D
Acq: 08 Jul 2019 11:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	43	Resp	47688
Ion Ratio	100	Lower	Upper
43	100		
61	25.9	20.7	31.1
87	10.7	8.1	12.1

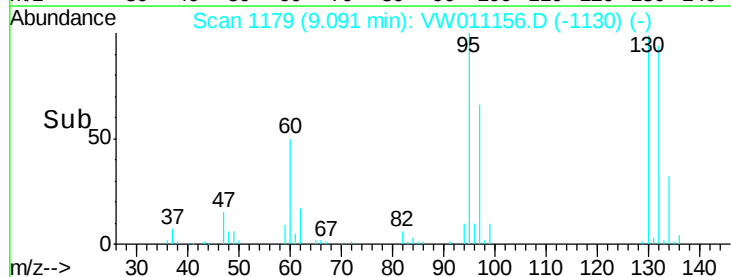
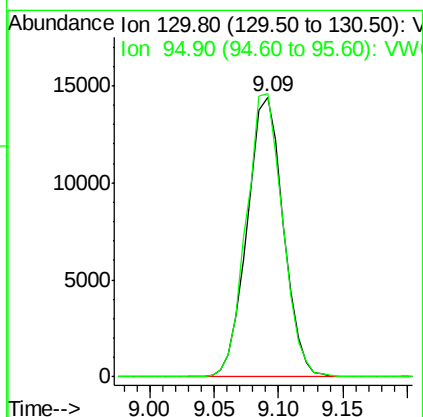
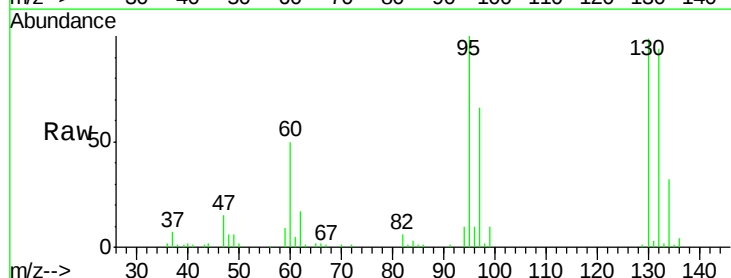
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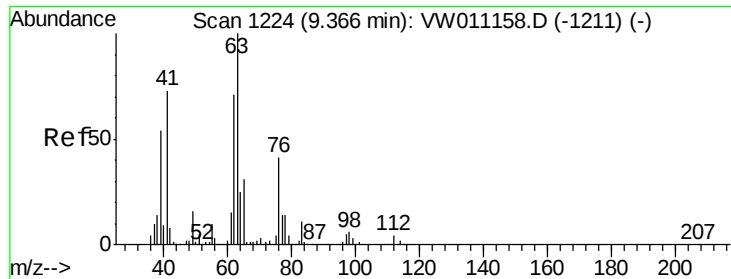
MMDadoda
7/9/2019 4:12:41 PM



#44
Trichloroethene
Concen: 9.975 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW011156.D
Acq: 08 Jul 2019 11:07

Tgt Ion	130	Resp	27916
Ion Ratio	100	Lower	Upper
130	100		
95	101.0	0.0	203.6





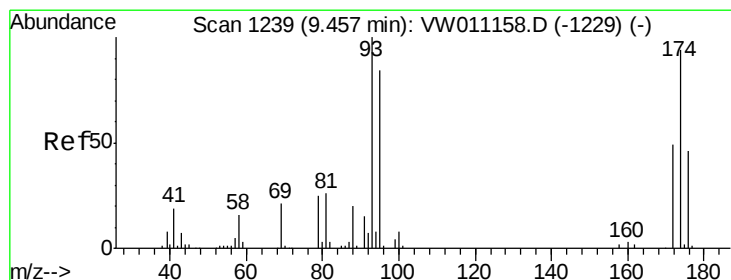
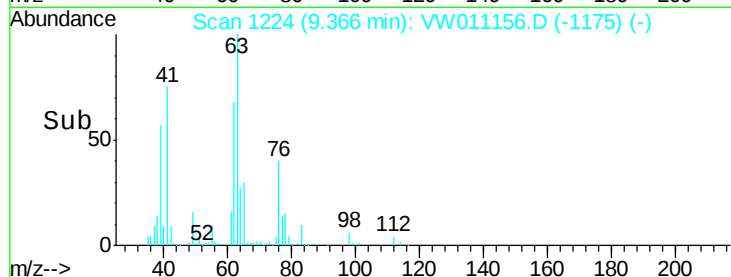
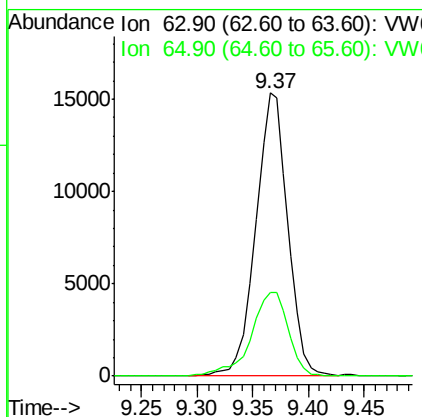
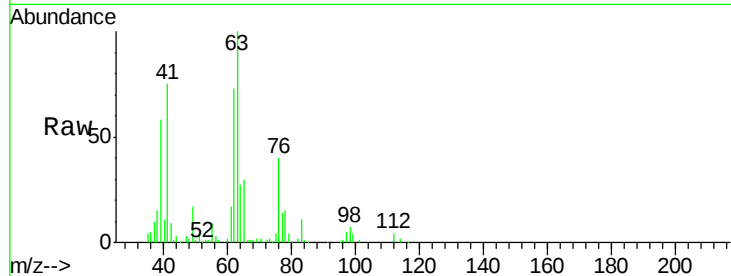
#45
 1,2-Dichloropropane
 Concen: 9.740 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW011156.D
 Acq: 08 Jul 2019 11:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion: 63 Resp: 30674
 Ion Ratio Lower Upper
 63 100
 65 29.7 24.4 36.6

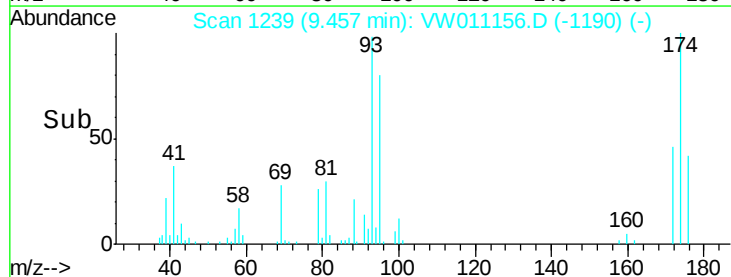
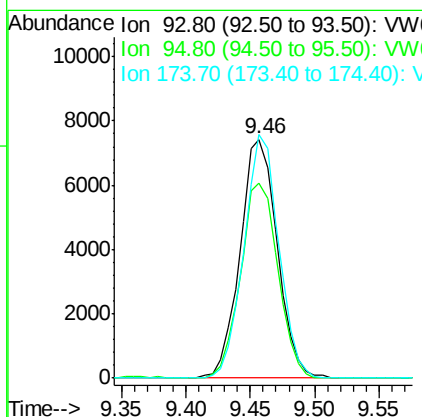
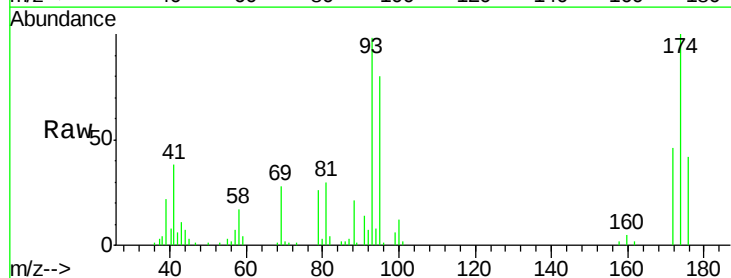
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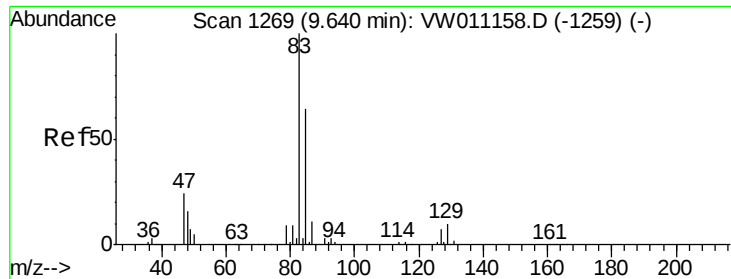
MMDadoda
 7/9/2019 4:12:41 PM



#46
 Dibromomethane
 Concen: 10.022 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW011156.D
 Acq: 08 Jul 2019 11:07

Tgt Ion: 93 Resp: 14826
 Ion Ratio Lower Upper
 93 100
 95 81.9 67.2 100.8
 174 95.2 76.3 114.5





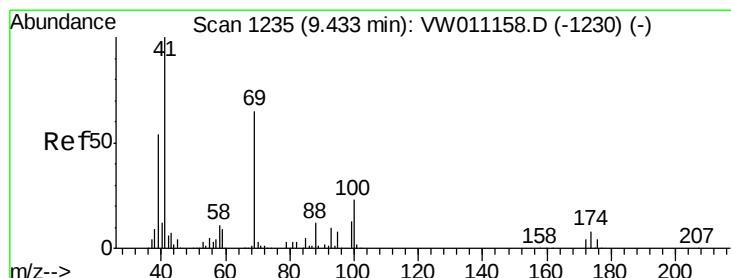
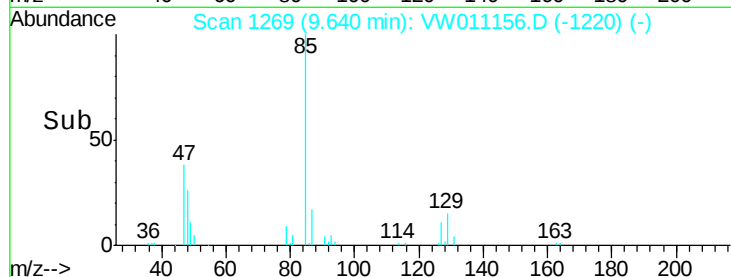
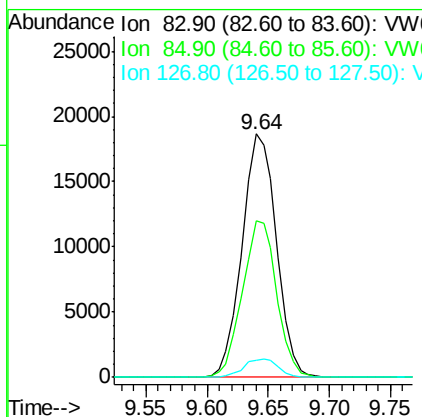
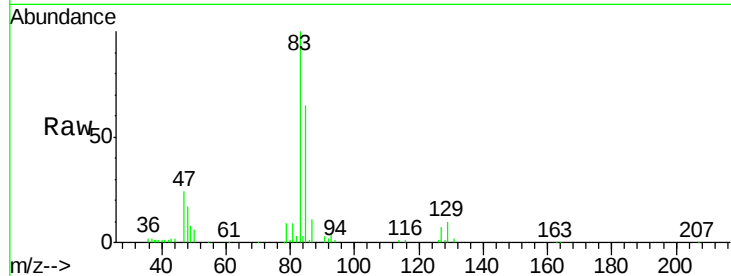
#47
Bromodichloromethane
Concen: 9.642 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW011156.D
Acq: 08 Jul 2019 11:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	83	Resp	36497
Ion Ratio	100	Lower	Upper
83	100		
85	64.6	51.0	76.4
127	7.2	6.0	9.0

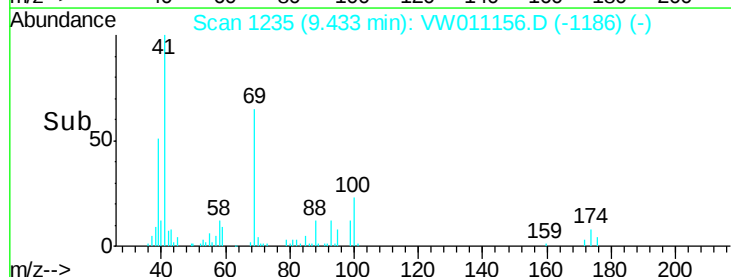
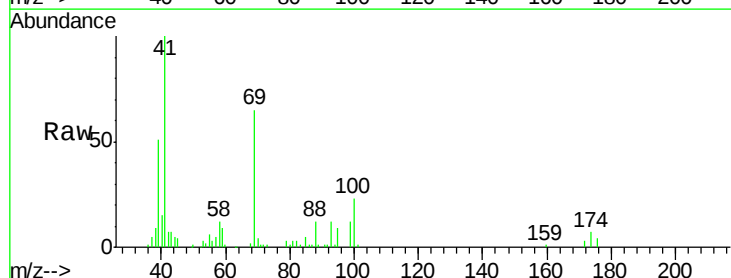
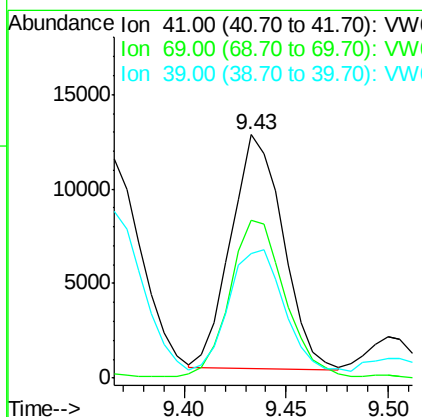
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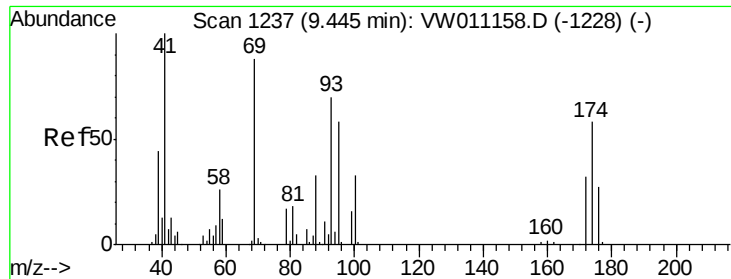
MMDadoda
7/9/2019 4:12:41 PM



#48
Methyl methacrylate
Concen: 9.563 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW011156.D
Acq: 08 Jul 2019 11:07

Tgt Ion	41	Resp	21960
Ion Ratio	100	Lower	Upper
41	100		
69	70.2	56.0	84.0
39	55.4	43.5	65.3





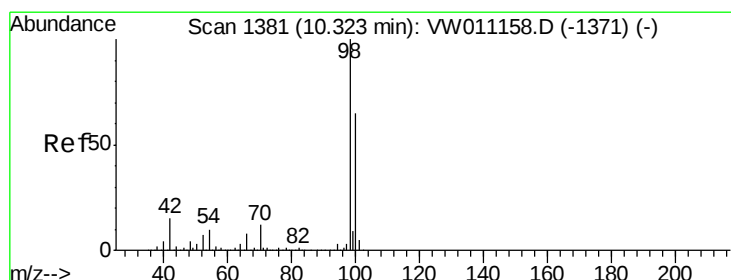
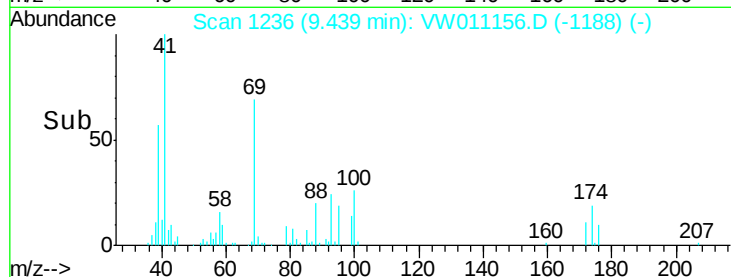
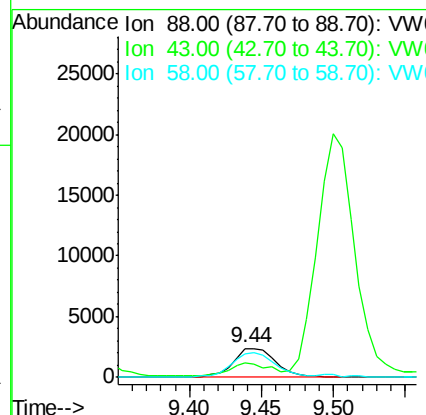
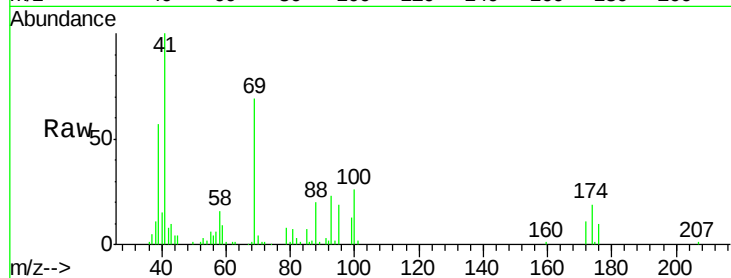
#49
1,4-Dioxane
Concen: 198.764 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.01 min
Lab File: VW011156.D
Acq: 08 Jul 2019 11:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
88	100		
43	43.0	33.4	50.0
58	88.0	64.5	96.7

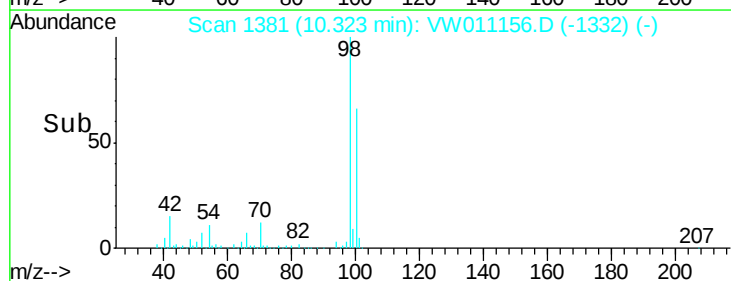
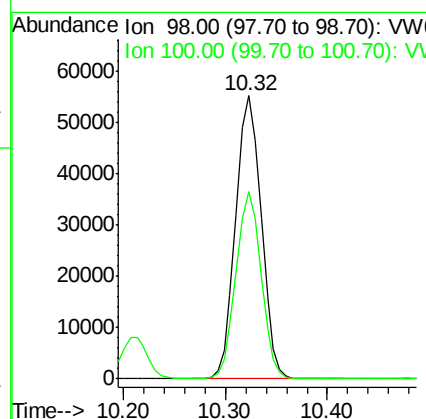
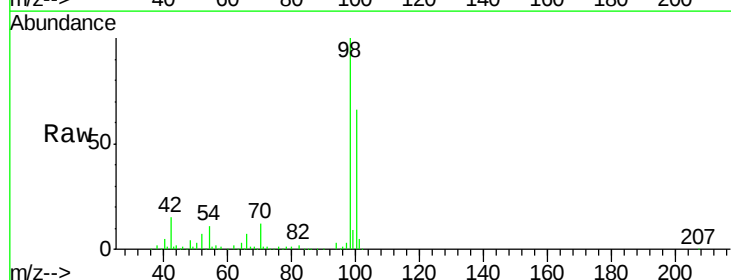
Manual Integrations
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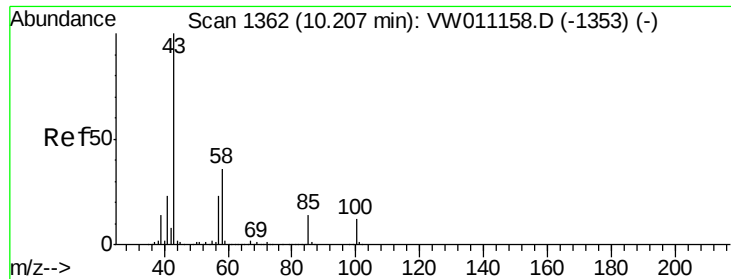
MMDadoda
7/9/2019 4:12:41 PM



#50
Toluene-d8
Concen: 10.121 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011156.D
Acq: 08 Jul 2019 11:07

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 50.117 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW011156.D

Acq: 08 Jul 2019 11:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 124966

Ion Ratio Lower Upper

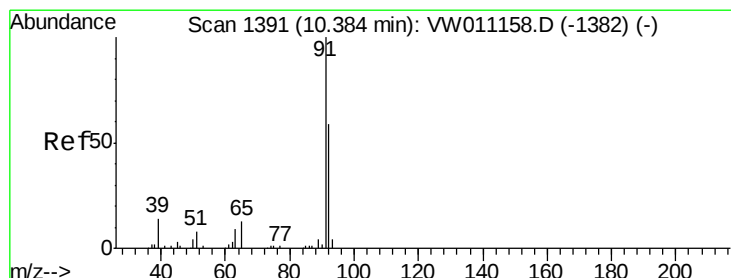
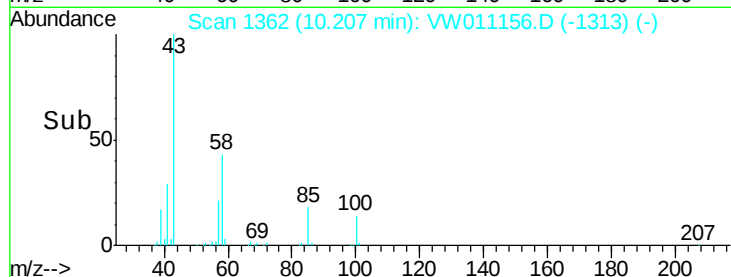
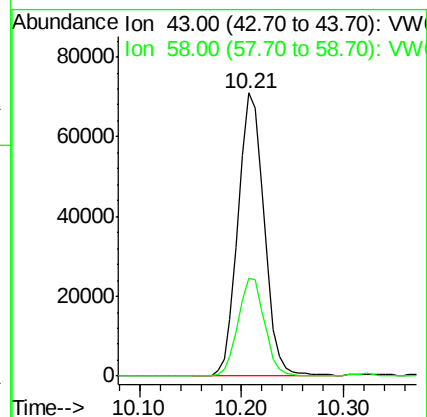
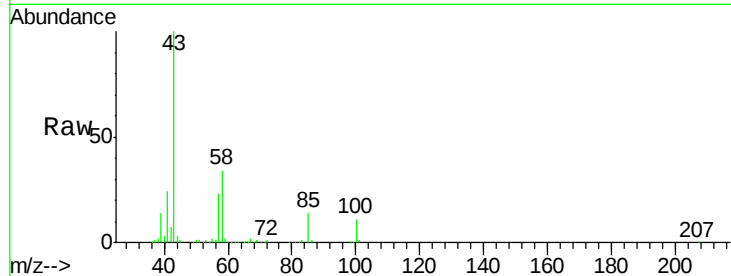
43 100

58 35.1 28.2 42.2

Manual Integrations
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#52

Toluene

Concen: 9.845 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW011156.D

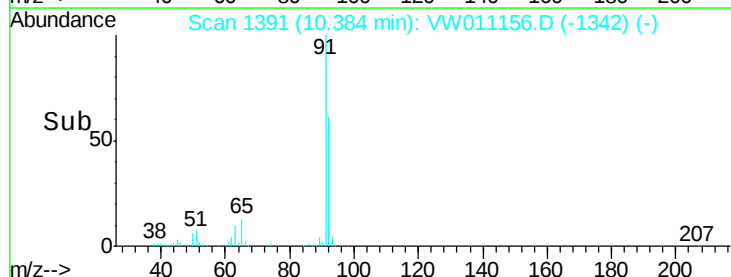
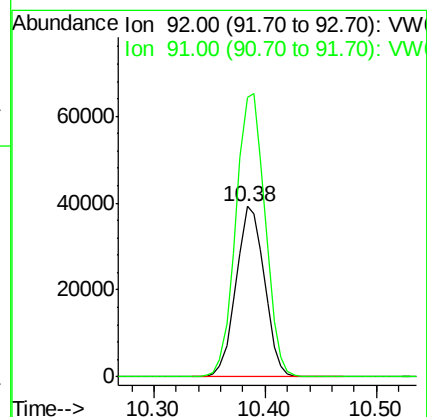
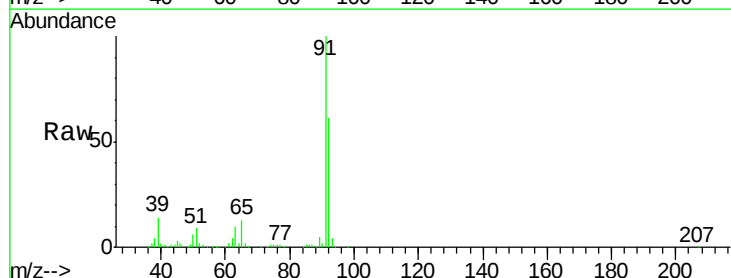
Acq: 08 Jul 2019 11:07

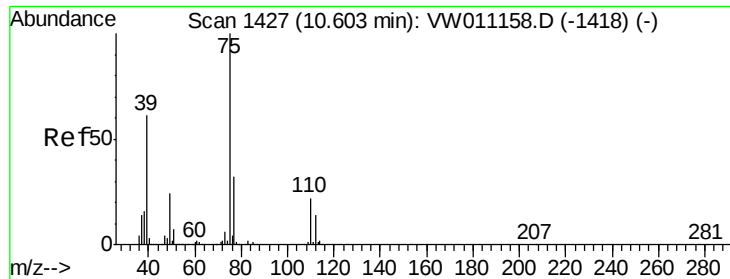
Tgt Ion: 92 Resp: 69451

Ion Ratio Lower Upper

92 100

91 170.9 136.6 205.0





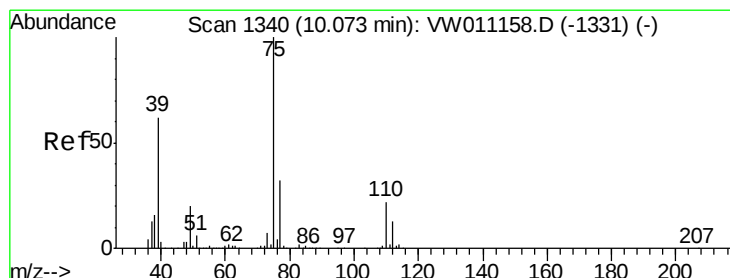
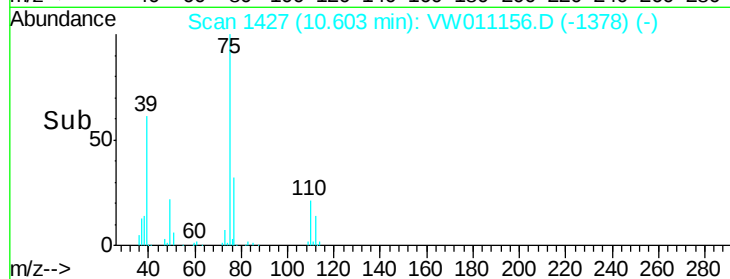
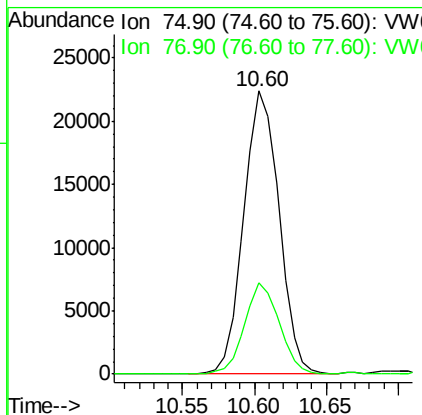
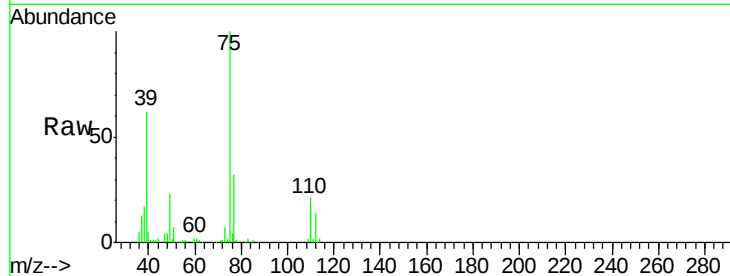
#53
t-1,3-Dichloropropene
Concen: 9.490 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW011156.D
Acq: 08 Jul 2019 11:07

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	75	Resp	38236
Ion Ratio	Lower	Upper	
75	100		
77	32.1	25.4	38.0

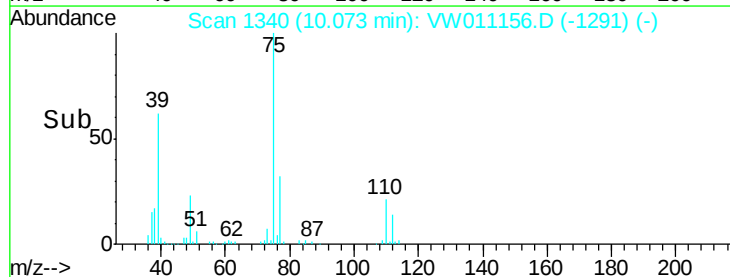
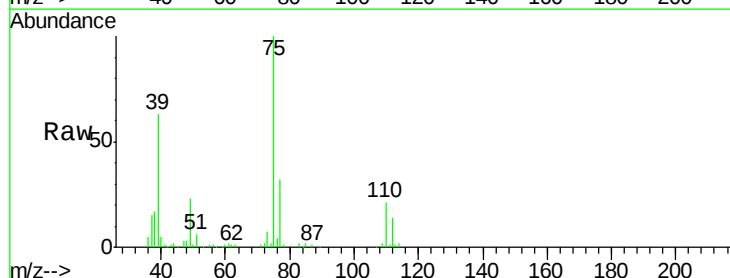
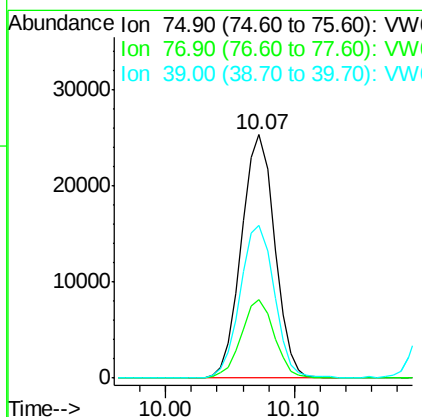
Manual Integrations
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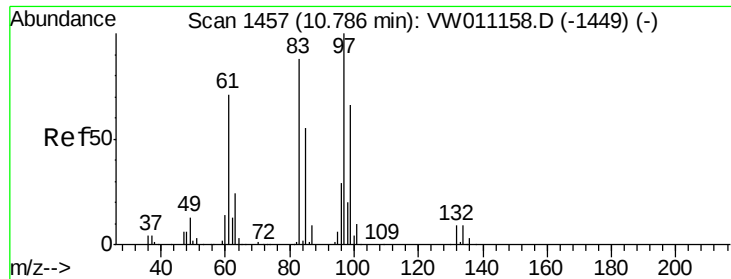
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#54
cis-1,3-Dichloropropene
Concen: 9.600 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW011156.D
Acq: 08 Jul 2019 11:07

Tgt Ion	75	Resp	45525
Ion Ratio	Lower	Upper	
75	100		
77	32.0	25.7	38.5
39	62.3	49.8	74.8





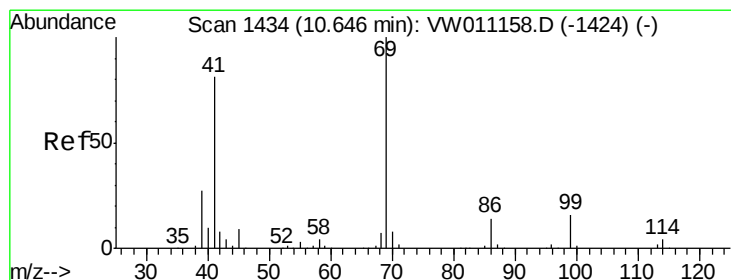
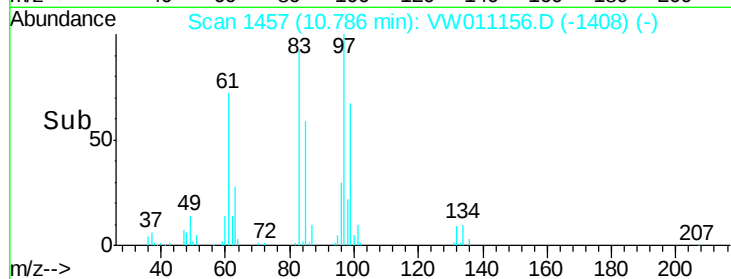
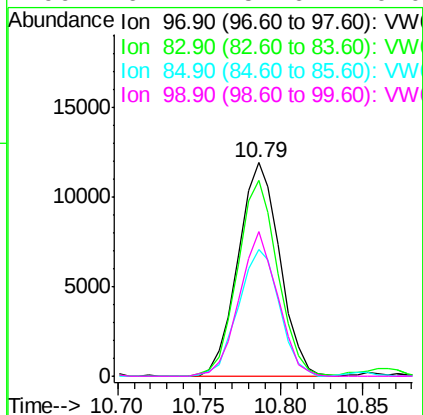
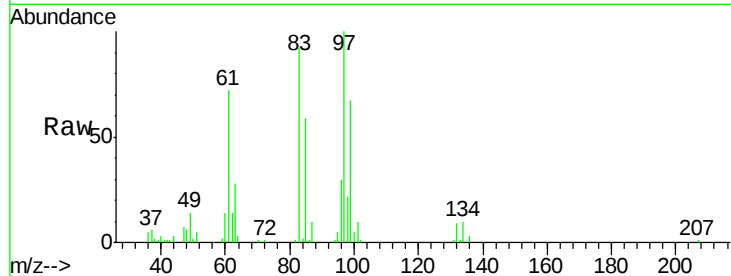
#55
 1,1,2-Trichloroethane
 Concen: 10.083 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW011156.D
 Acq: 08 Jul 2019 11:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion:	97	Resp:	21160
Ion	Ratio	Lower	Upper
97	100		
83	91.8	70.2	105.4
85	59.3	44.2	66.2
99	67.4	52.6	79.0

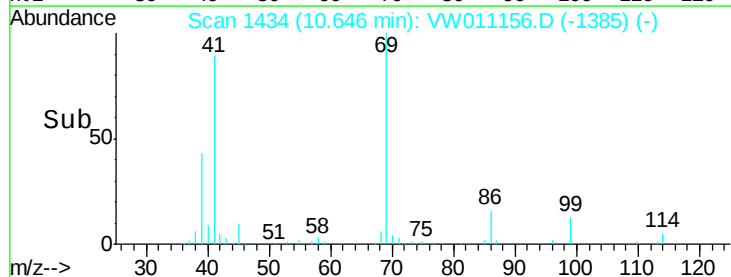
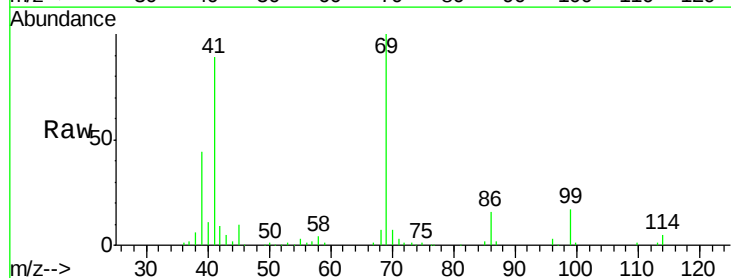
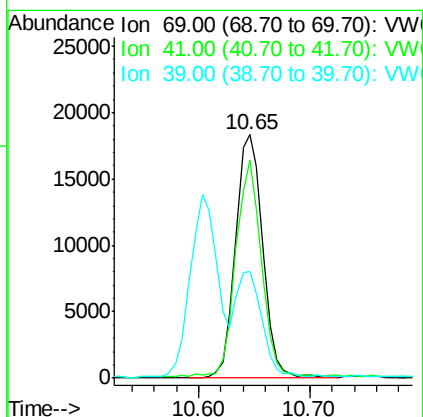
Manual Integrations
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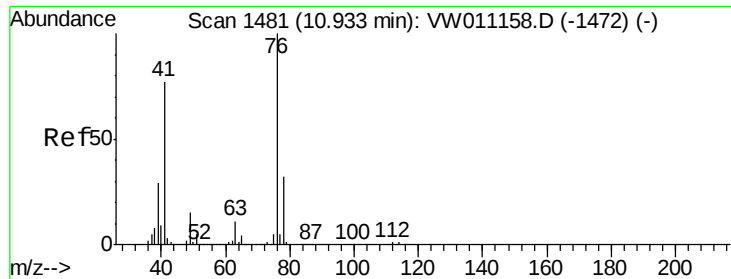
MMDadoda
 7/9/2019 4:12:41 PM



#56
 Ethyl methacrylate
 Concen: 9.692 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW011156.D
 Acq: 08 Jul 2019 11:07

Tgt Ion:	69	Resp:	30968
Ion	Ratio	Lower	Upper
69	100		
41	85.0	66.5	99.7
39	40.6	32.5	48.7





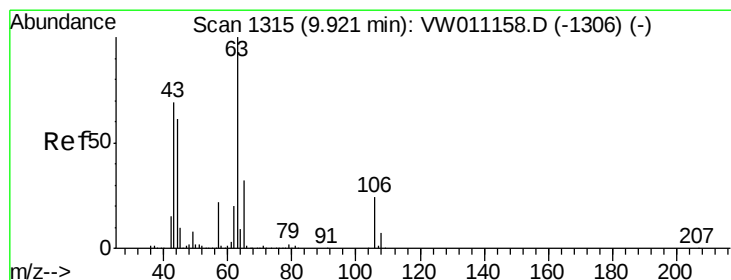
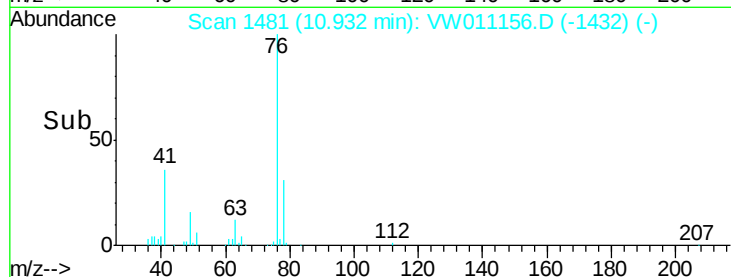
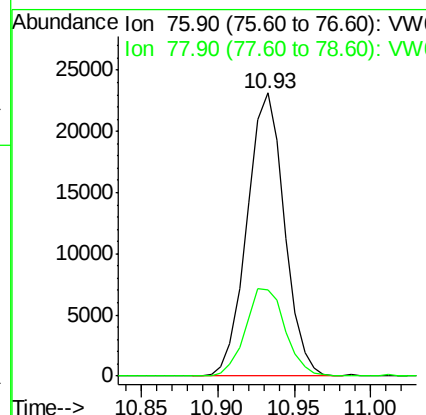
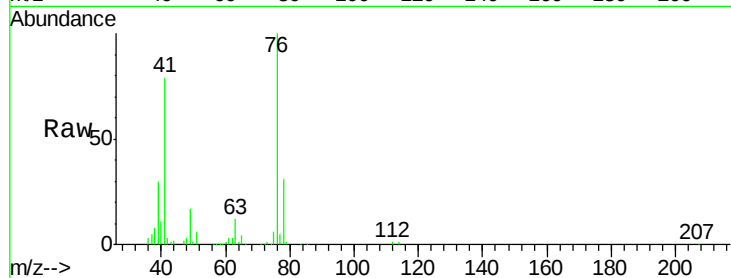
#57
 1,3-Dichloropropane
 Concen: 9.926 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW011156.D
 Acq: 08 Jul 2019 11:07

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.0	26.2	39.2

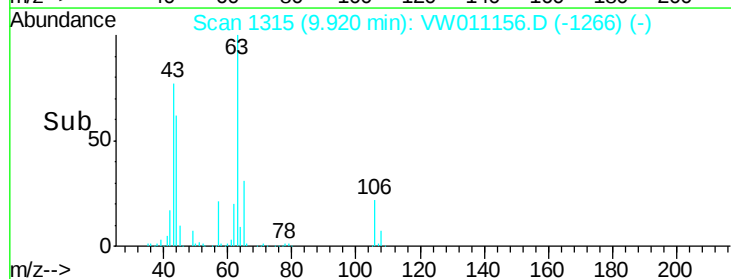
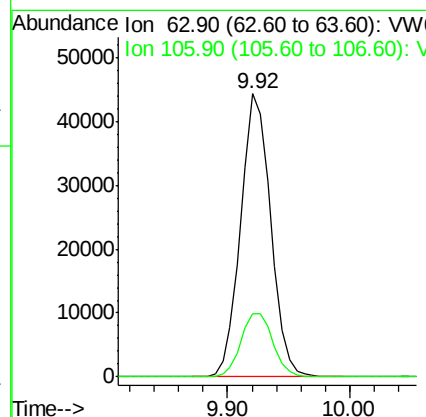
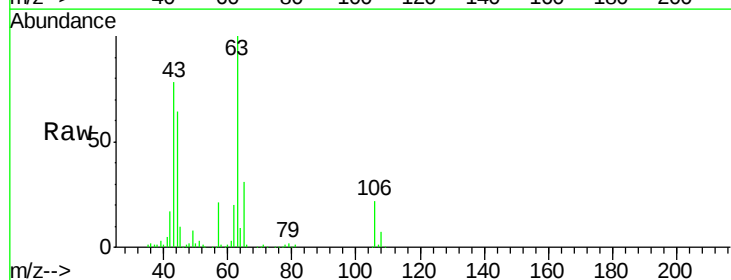
Manual Integrations
 APPROVED

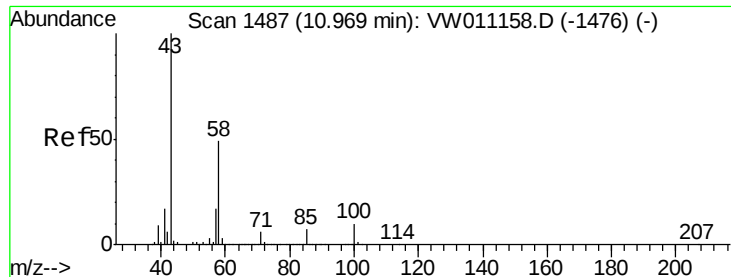
MMDadoda
 7/9/2019 4:12:41 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 50.987 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW011156.D
 Acq: 08 Jul 2019 11:07

Tgt Ion	Ratio	Lower	Upper
63	100		
106	23.8	19.4	29.0





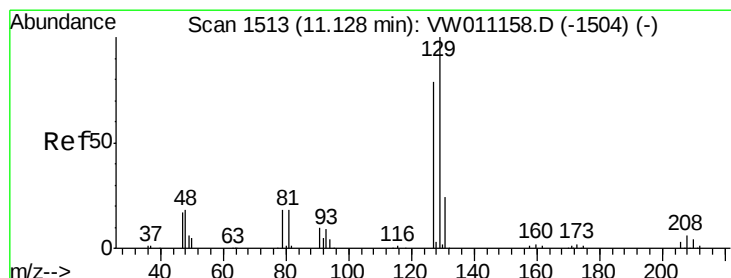
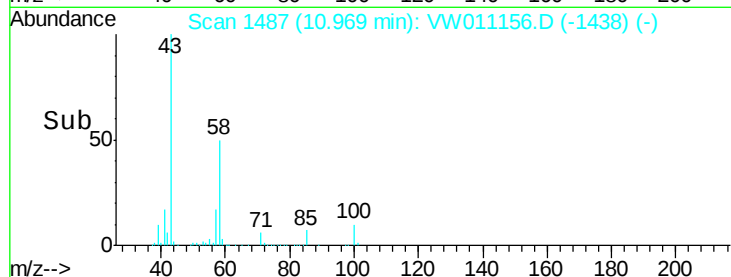
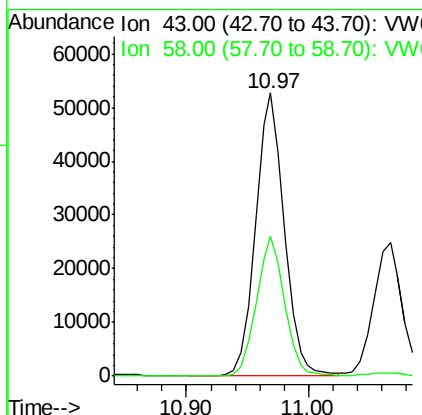
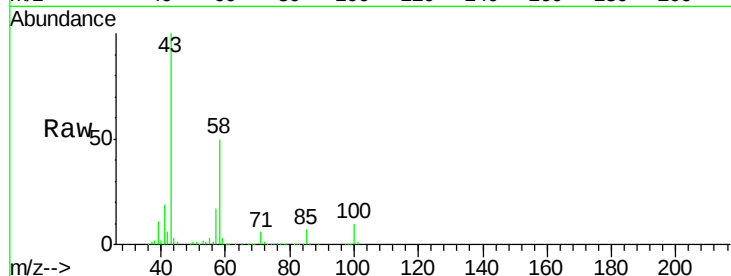
#59
2-Hexanone
Concen: 49.588 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011156.D
Acq: 08 Jul 2019 11:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 85750
Ion Ratio Lower Upper
43 100
58 48.6 24.4 73.4

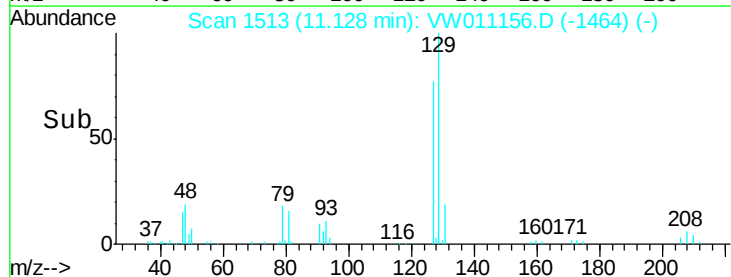
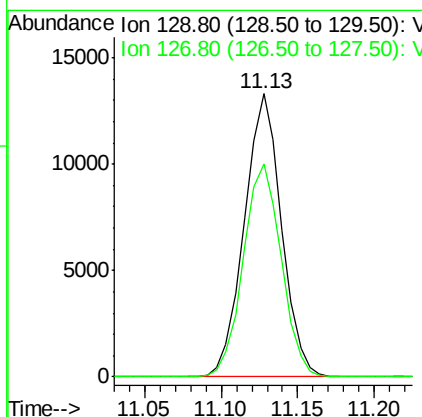
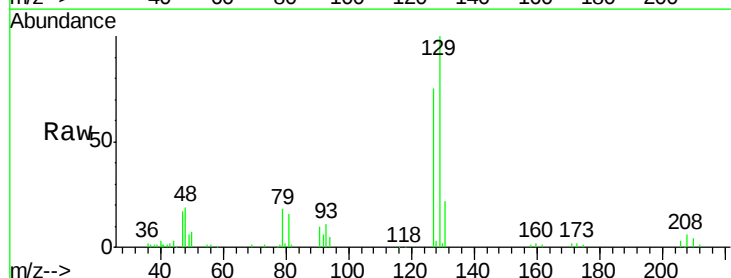
Manual Integrations
APPROVED

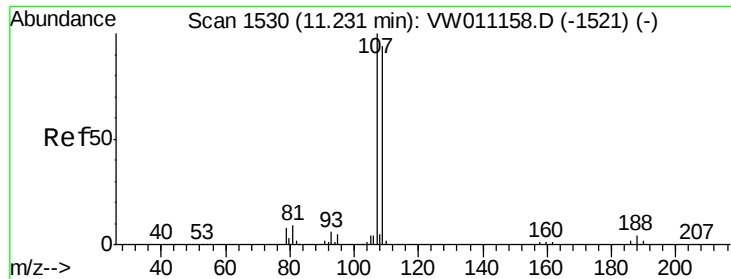
MMDadoda
7/9/2019 4:12:41 PM



#60
Dibromochloromethane
Concen: 9.752 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011156.D
Acq: 08 Jul 2019 11:07

Tgt Ion: 129 Resp: 22442
Ion Ratio Lower Upper
129 100
127 76.7 39.1 117.3





#61

1,2-Dibromoethane

Concen: 10.103 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.01 min

Lab File: VW011156.D

Acq: 08 Jul 2019 11:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 107 Resp: 20083

Ion Ratio Lower Upper

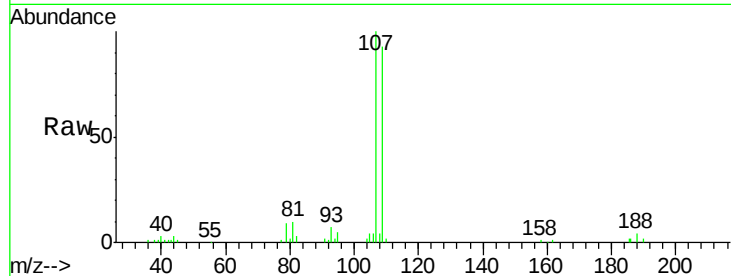
107 100

109 92.8 75.2 112.8

Manual Integrations
APPROVED

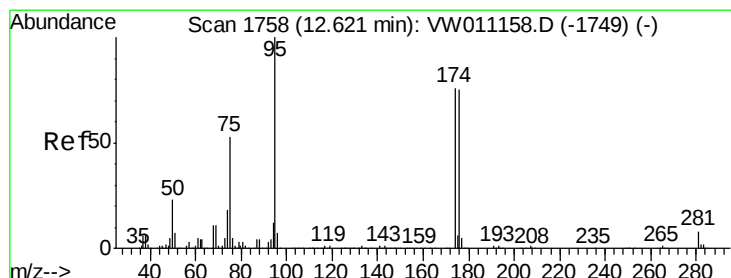
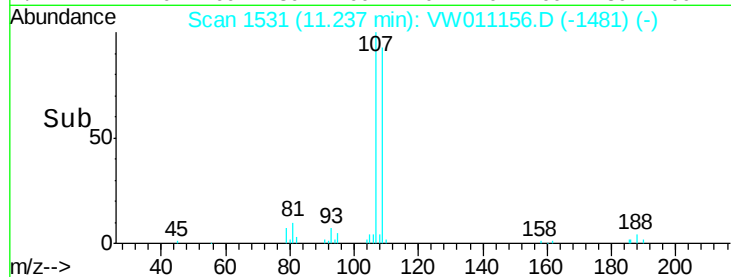
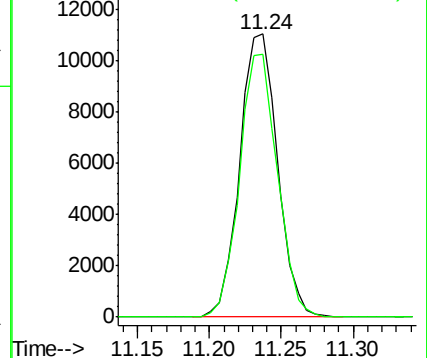
MMDadoda

7/9/2019 4:12:41 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 10.055 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW011156.D

Acq: 08 Jul 2019 11:07

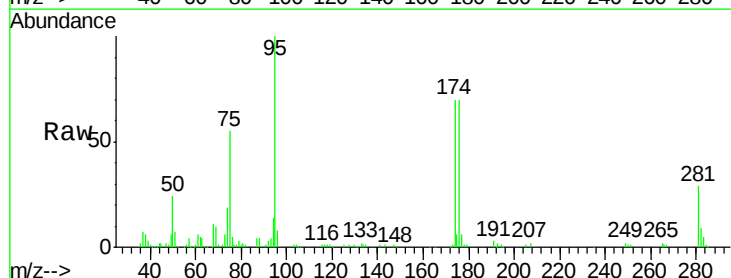
Tgt Ion: 95 Resp: 35089

Ion Ratio Lower Upper

95 100

174 73.3 0.0 147.6

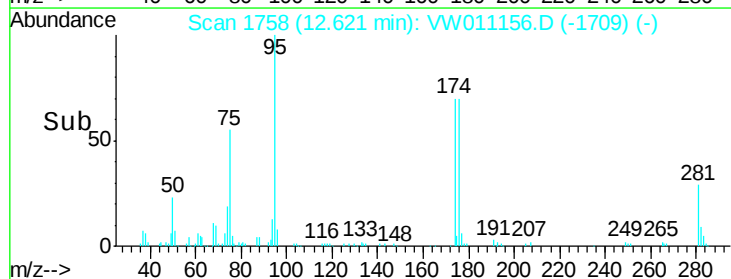
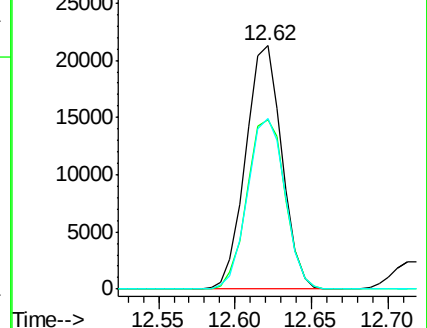
176 72.7 0.0 144.6

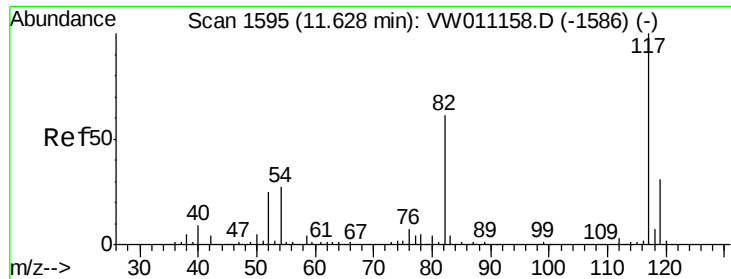


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





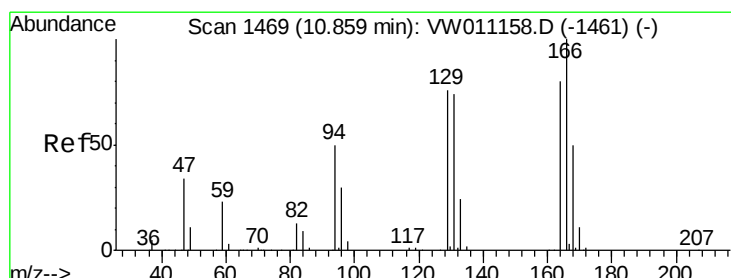
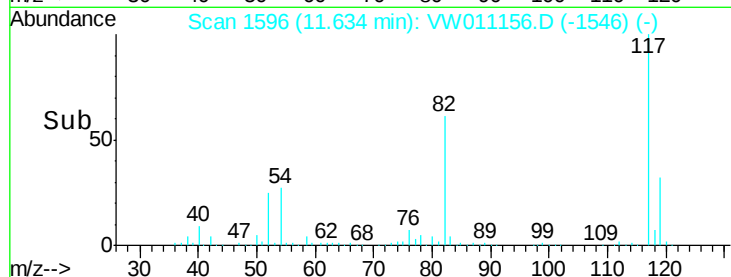
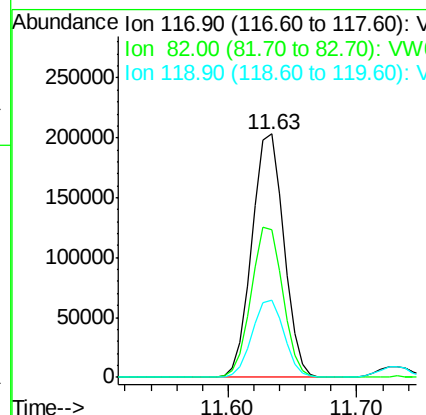
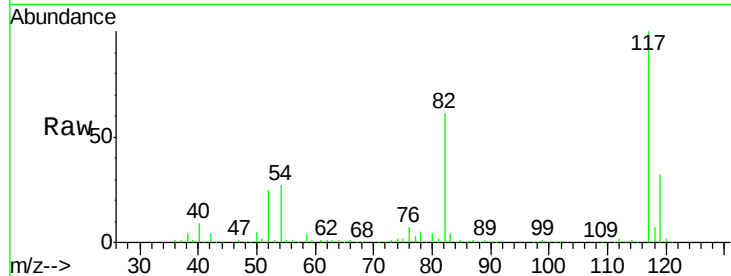
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW011156.D
Acq: 08 Jul 2019 11:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.7	48.9	73.3
119	31.5	25.0	37.6

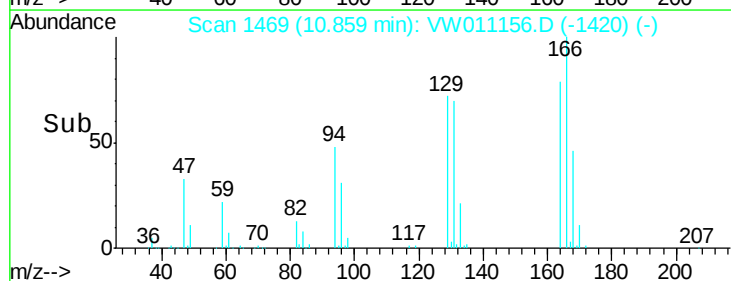
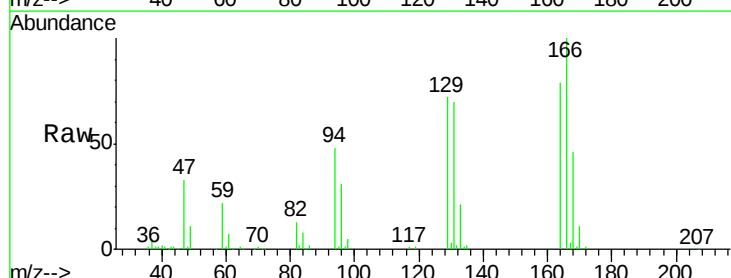
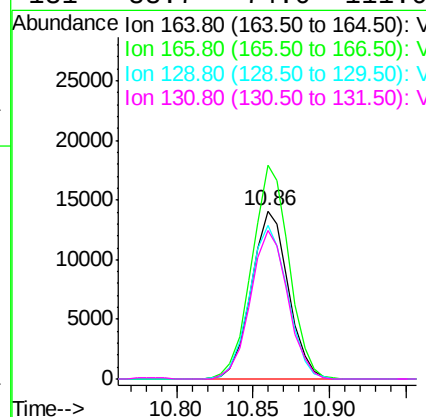
Manual Integrations
APPROVED

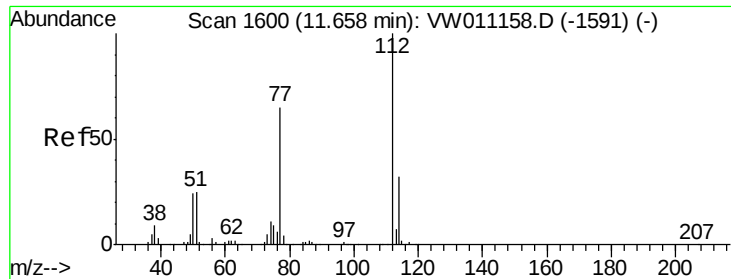
MMDadoda
7/9/2019 4:12:41 PM



#64
Tetrachloroethene
Concen: 10.118 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW011156.D
Acq: 08 Jul 2019 11:07

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.1	99.7	149.5
129	91.6	76.2	114.2
131	88.7	74.0	111.0





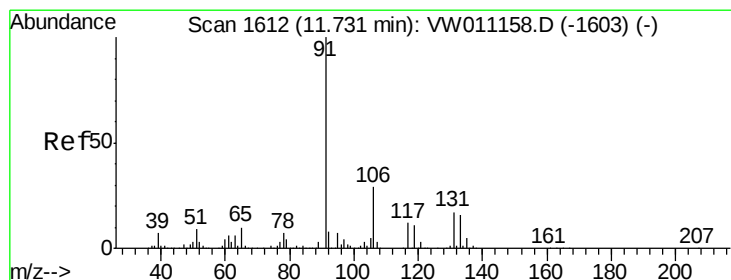
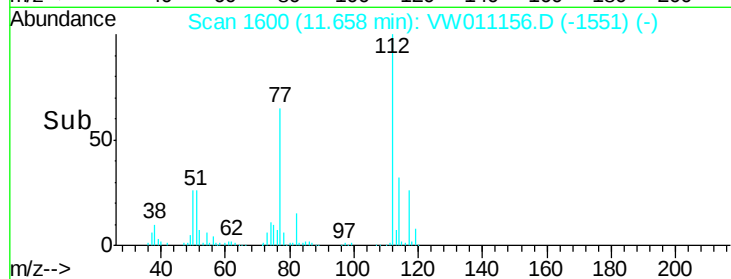
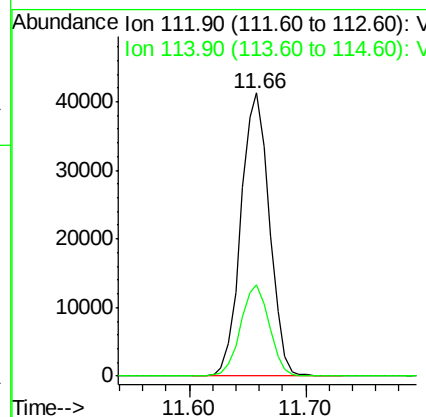
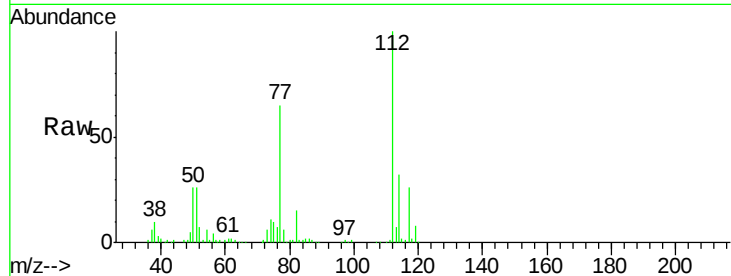
#65
Chlorobenzene
Concen: 9.968 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011156.D
Acq: 08 Jul 2019 11:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.5	38.3

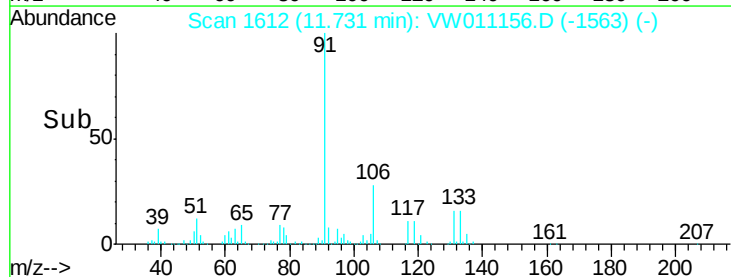
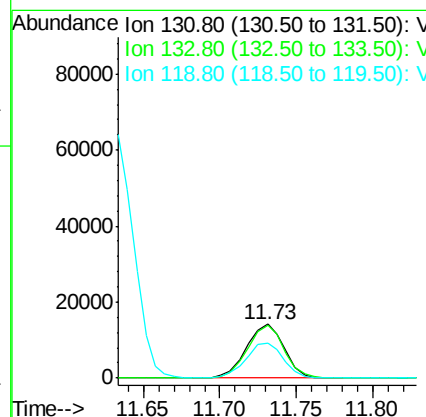
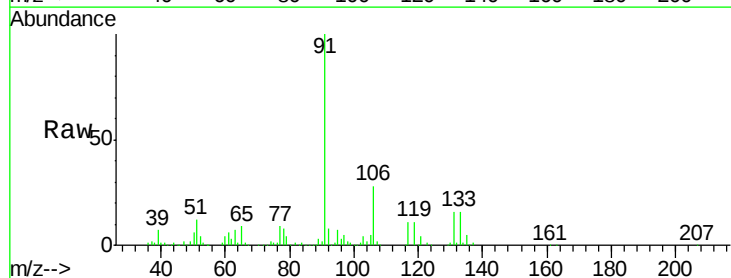
Manual Integrations
APPROVED

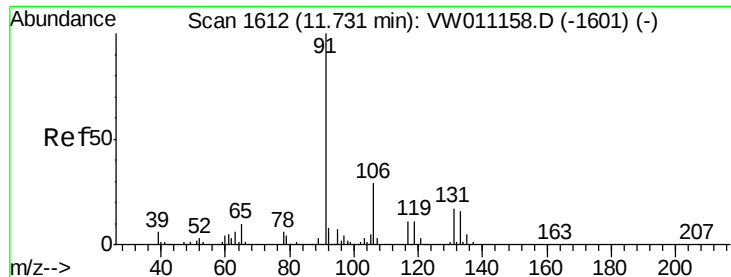
MMDadoda
7/9/2019 4:12:41 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 9.751 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011156.D
Acq: 08 Jul 2019 11:07

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.6	47.9	143.8
119	65.3	33.1	99.2





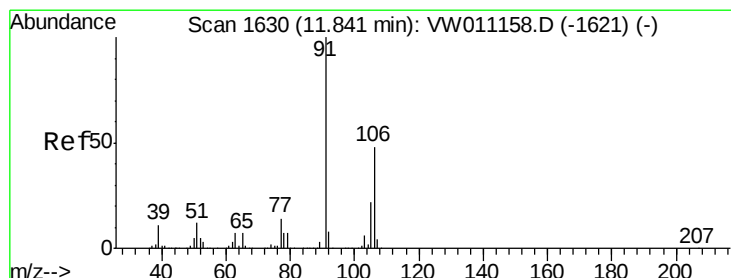
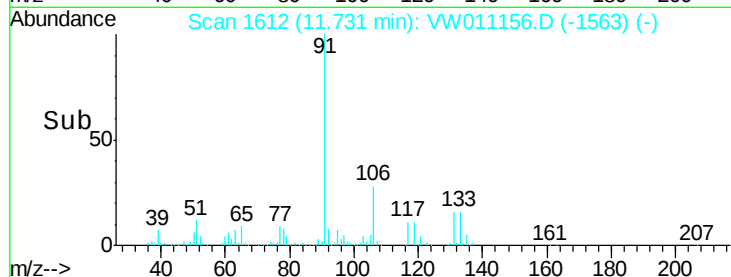
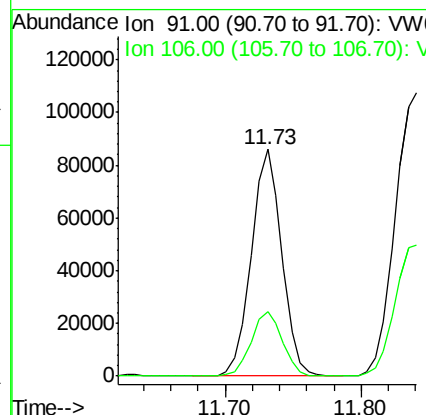
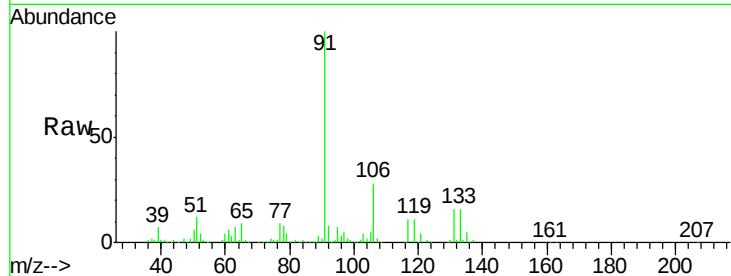
#67
Ethyl Benzene
Concen: 9.974 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011156.D
Acq: 08 Jul 2019 11:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	28.5	23.5	35.3	

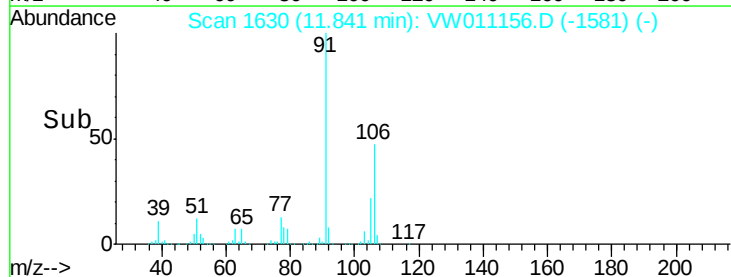
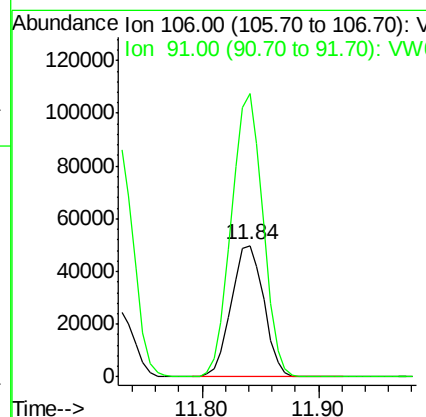
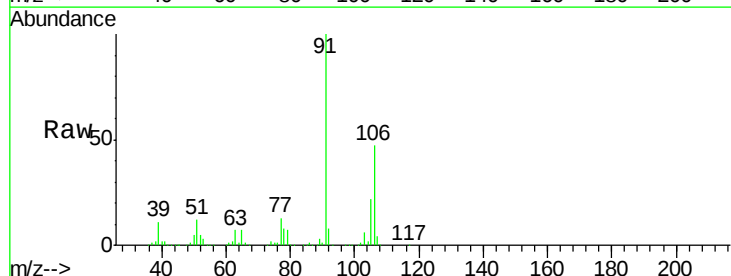
Manual Integrations
APPROVED

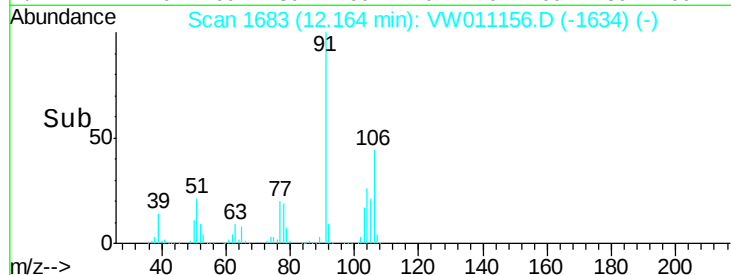
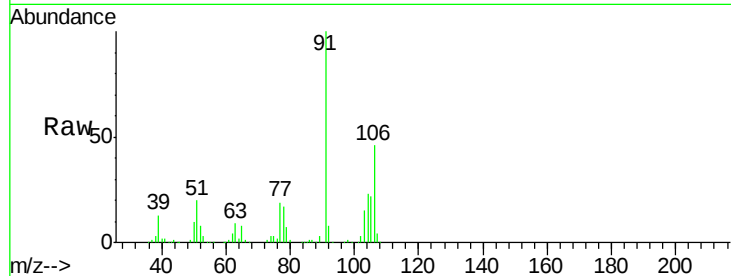
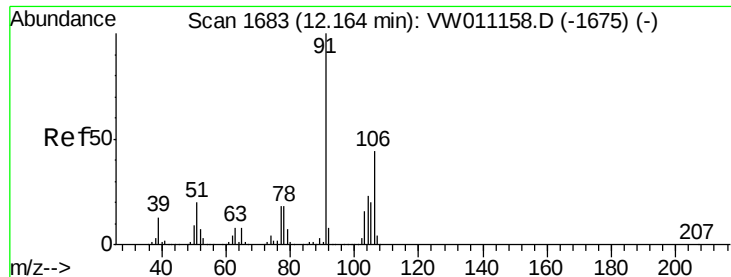
MMDadoda
7/9/2019 4:12:41 PM



#68
m/p-Xylenes
Concen: 19.809 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW011156.D
Acq: 08 Jul 2019 11:07

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	208.9	167.7	251.5	





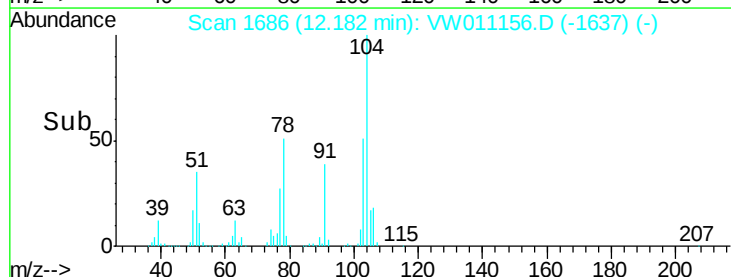
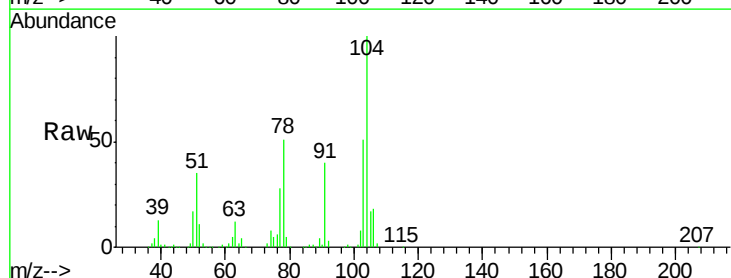
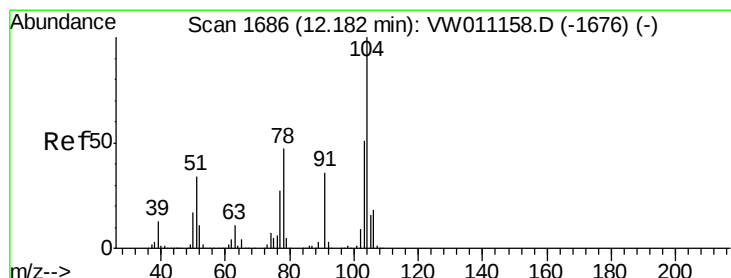
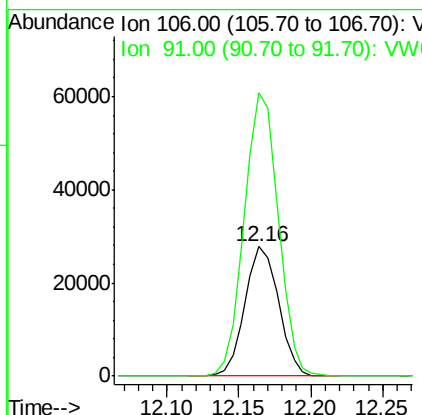
#69
o-Xylene
Concen: 9.812 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011156.D
Acq: 08 Jul 2019 11:07

Tot Ion:106 Resp: 45241
Ion Ratio Lower Upper
106 100
91 220.5 110.7 332.1

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

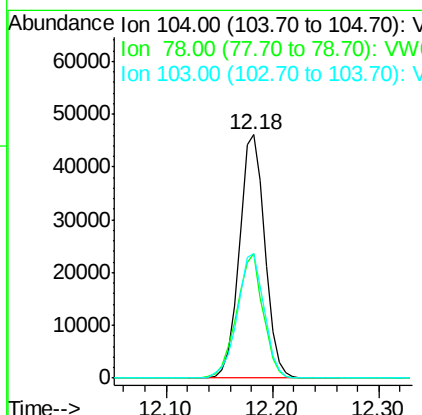
Manual Integrations
APPROVED

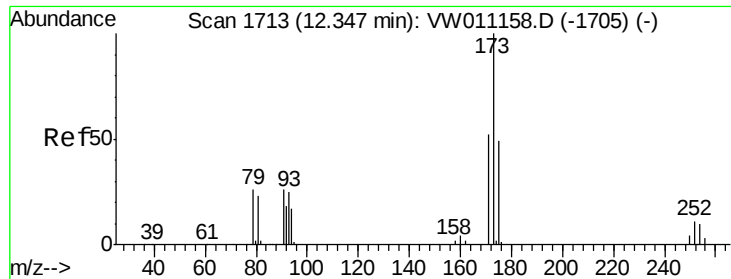
MMDadoda
7/9/2019 4:12:41 PM



#70
Styrene
Concen: 9.749 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011156.D
Acq: 08 Jul 2019 11:07

Tgt Ion:104 Resp: 77572
Ion Ratio Lower Upper
104 100
78 52.9 43.1 64.7
103 53.9 44.1 66.1





#71

Bromoform

Concen: 9.640 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW011156.D

Acq: 08 Jul 2019 11:07

Instrument :

MSVOA_W

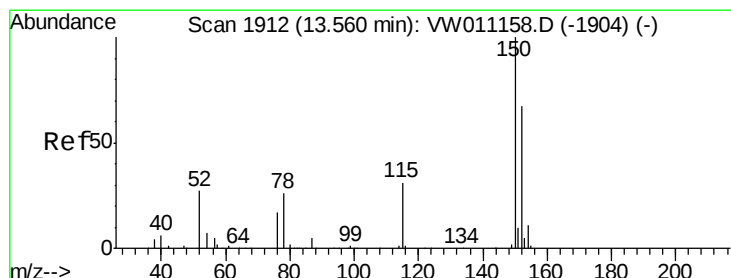
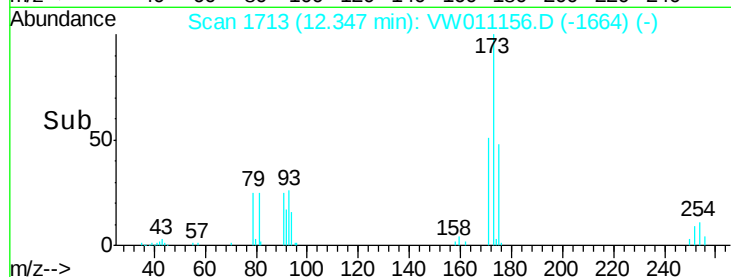
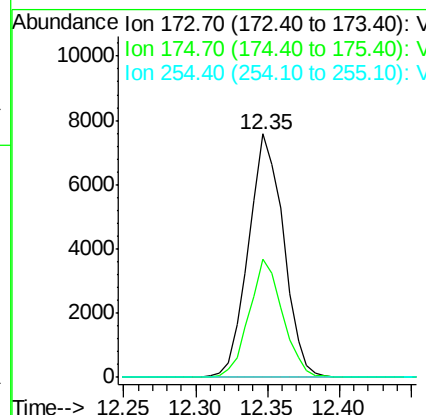
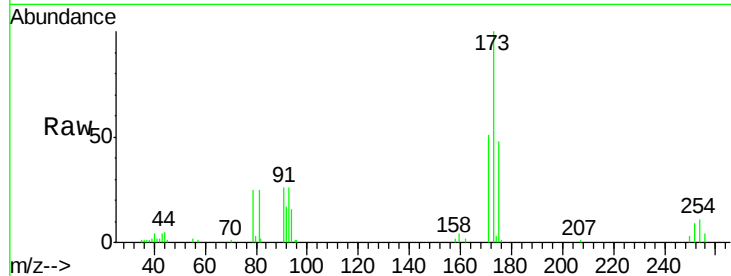
ClientSampleId :

VSTDIC010

Tot Ion	Ion	Ratio	Lower	Upper
173	100			
175	46.6	24.8	74.3	
254	0.0	0.0	0.0	

Manual Integrations
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7/9/2019 4:12:41 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

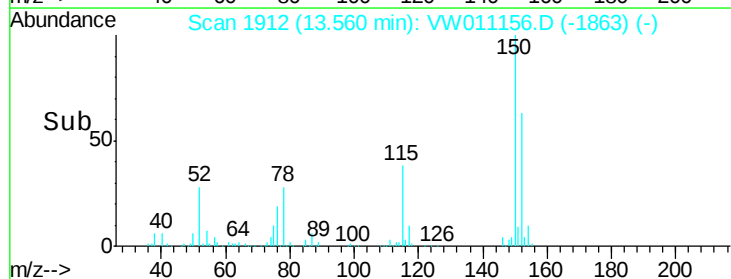
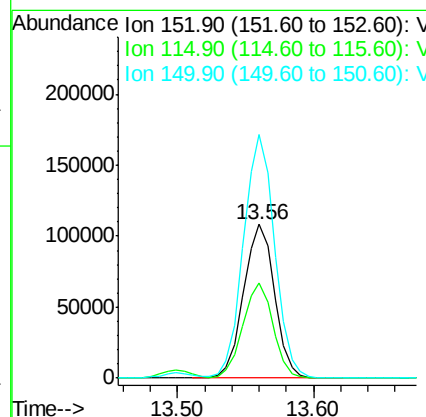
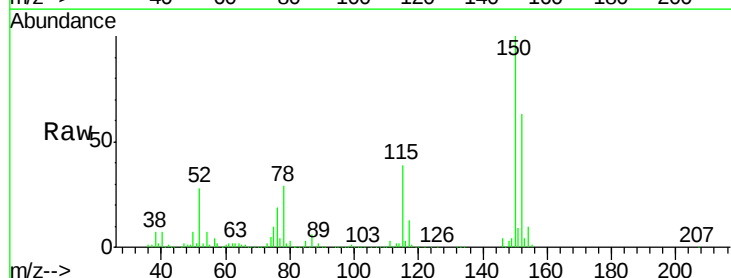
RT: 13.56 min Scan# 1912

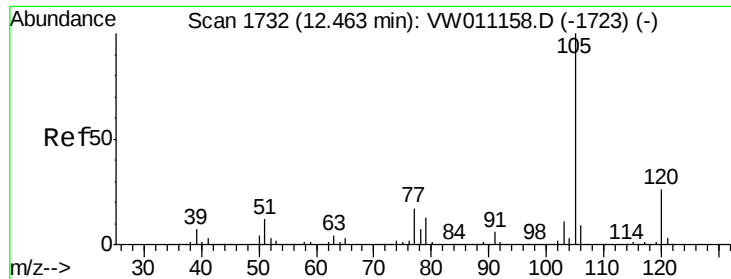
Delta R.T. -0.00 min

Lab File: VW011156.D

Acq: 08 Jul 2019 11:07

Tgt Ion	Ion	Ratio	Lower	Upper
152	100			
115	60.1	30.1	90.3	
150	159.6	0.0	346.0	





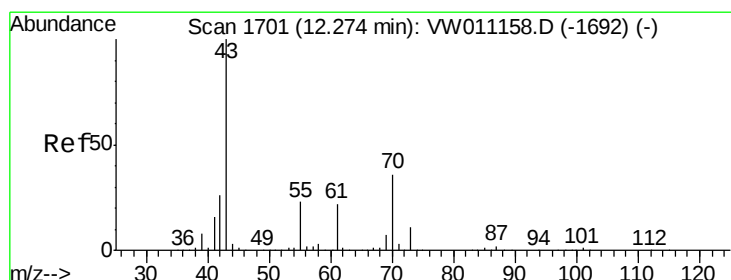
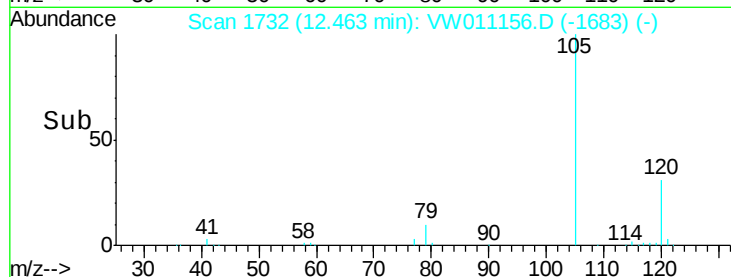
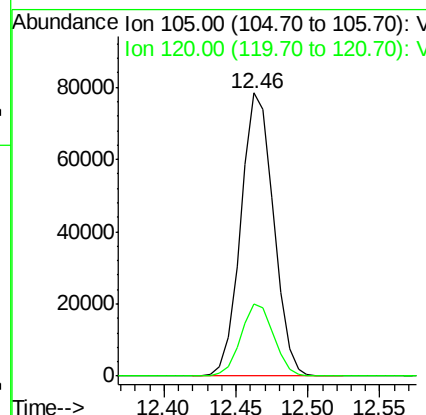
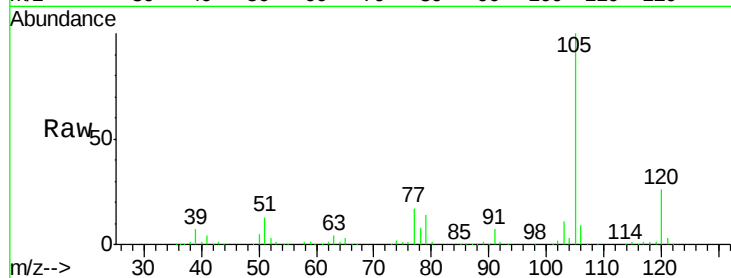
#73
Isopropylbenzene
Concen: 9.620 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW011156.D
Acq: 08 Jul 2019 11:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.6	12.8	38.3

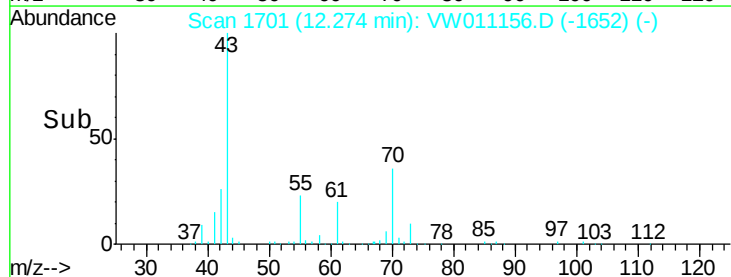
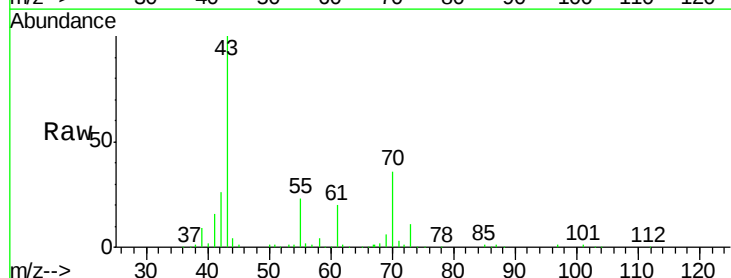
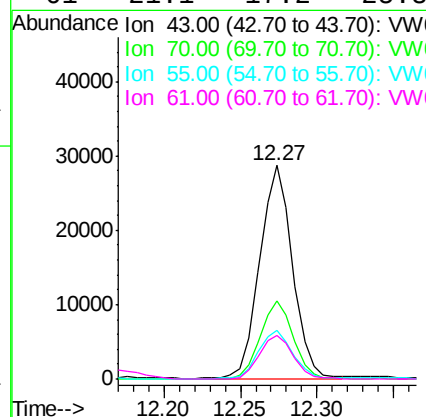
Manual Integrations
APPROVED

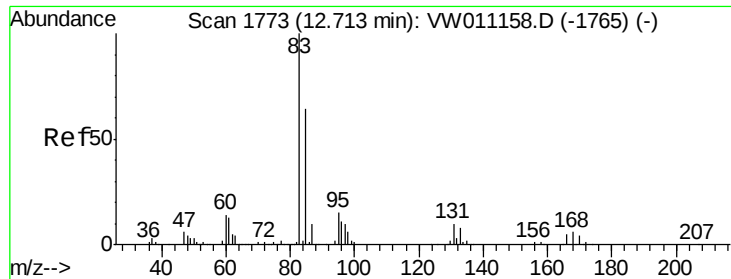
MMDadoda
7/9/2019 4:12:41 PM



#74
N-ethyl acetate
Concen: 9.531 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW011156.D
Acq: 08 Jul 2019 11:07

Tgt Ion	Ratio	Lower	Upper
43	100		
70	36.9	28.5	42.7
55	24.7	18.1	27.1
61	21.1	17.2	25.8





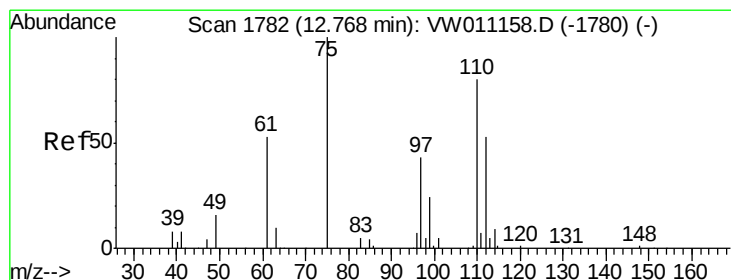
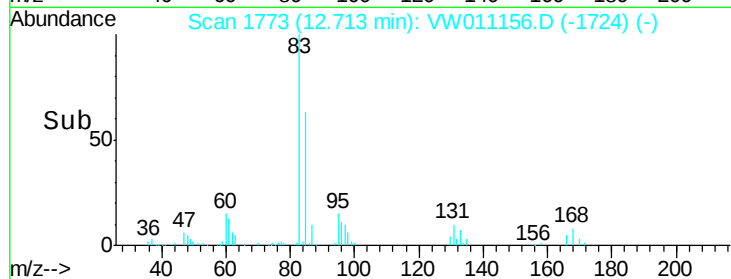
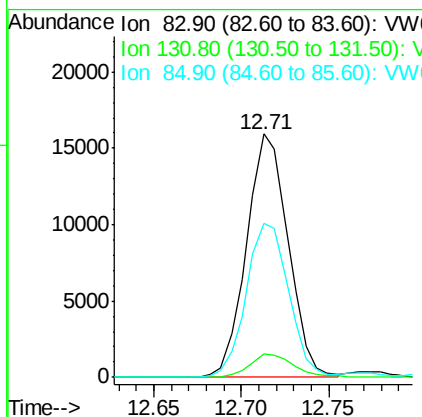
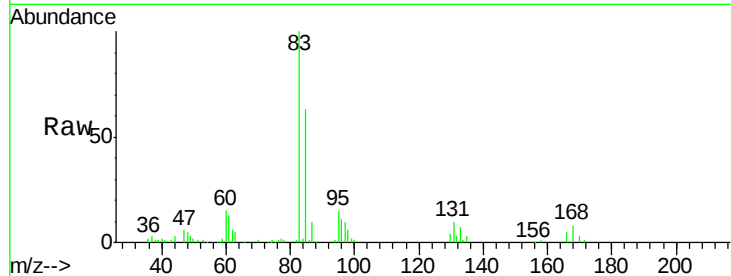
#75
 1,1,2,2-Tetrachloroethane
 Concen: 10.028 ug/l
 RT: 12.71 min Scan# 1773
 Delta R.T. -0.00 min
 Lab File: VW011156.D
 Acq: 08 Jul 2019 11:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.0	15.0
85	64.7	31.6	94.8

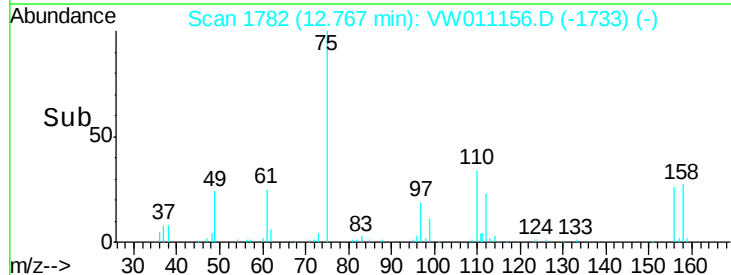
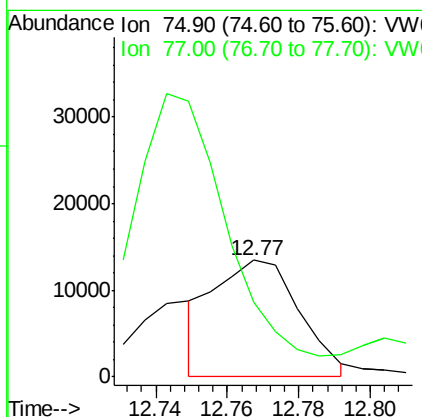
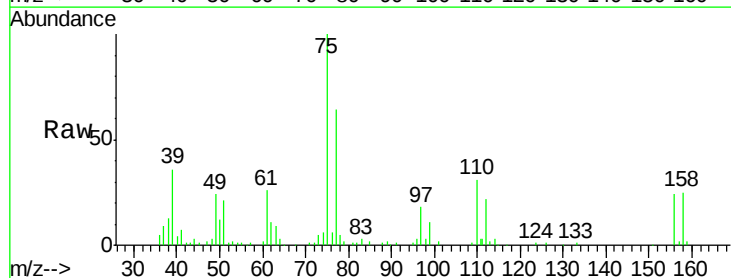
Manual Integrations
 APPROVED

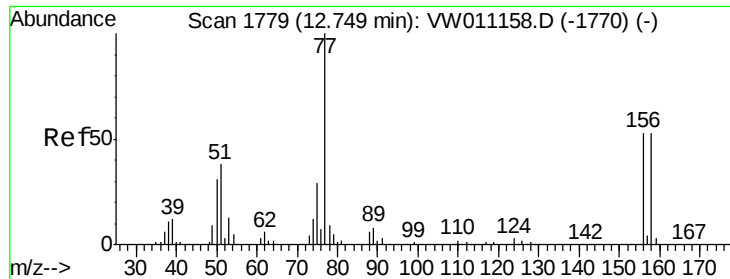
MMDadoda
 7/9/2019 4:12:41 PM



#76
 1,2,3-Trichloropropane
 Concen: 11.268 ug/l m
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW011156.D
 Acq: 08 Jul 2019 11:07

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





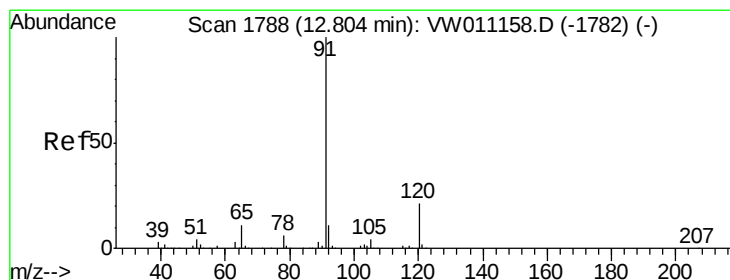
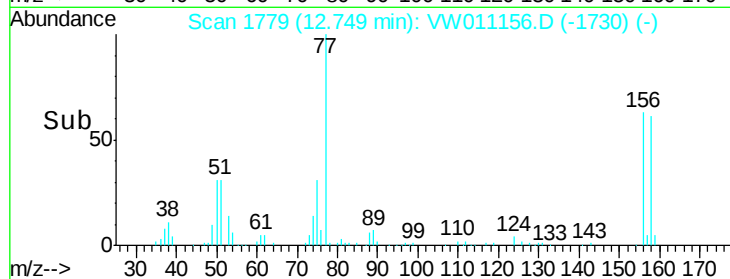
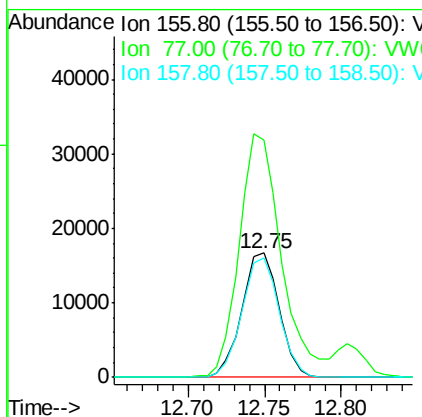
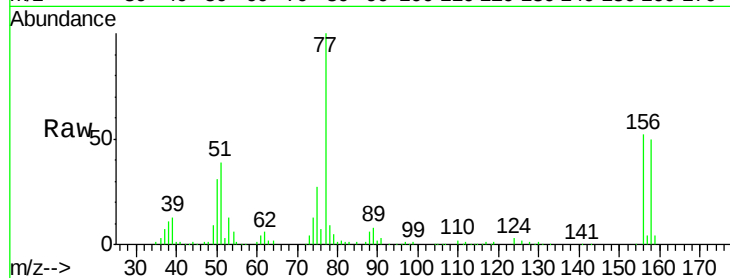
#77
Bromobenzene
Concen: 9.814 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW011156.D
Acq: 08 Jul 2019 11:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	156	Resp	28323
Ion Ratio	Lower	Upper	
156	100		
77	218.8	109.0	327.0
158	96.5	48.8	146.3

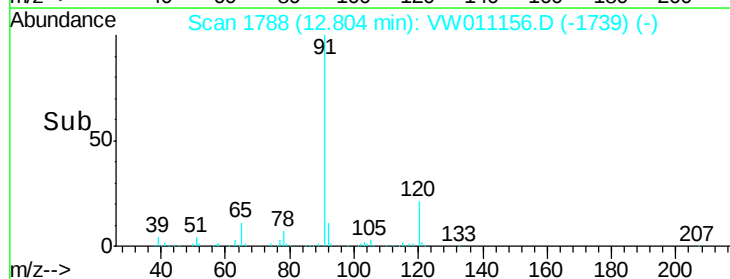
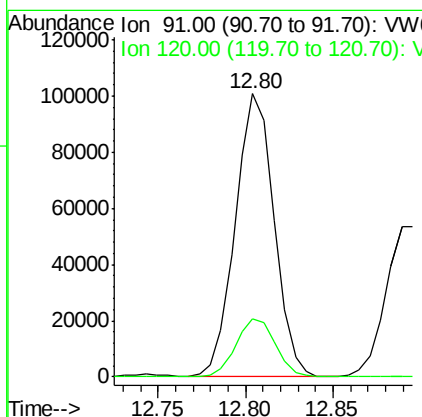
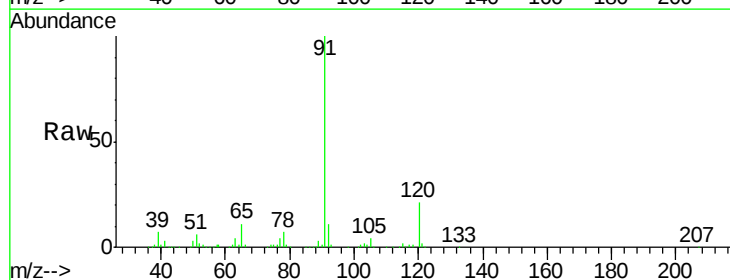
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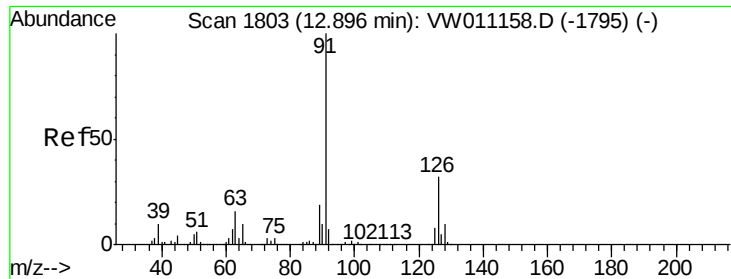
MMDadoda
7/9/2019 4:12:41 PM



#78
n-propylbenzene
Concen: 9.771 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW011156.D
Acq: 08 Jul 2019 11:07

Tgt Ion	91	Resp	154792
Ion Ratio	Lower	Upper	
91	100		
120	21.1	10.8	32.3





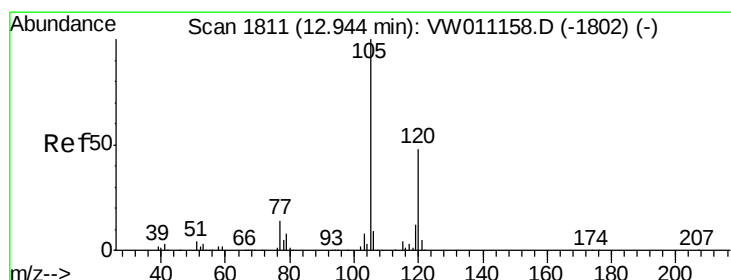
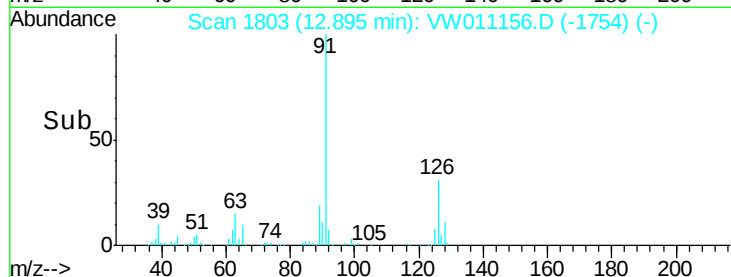
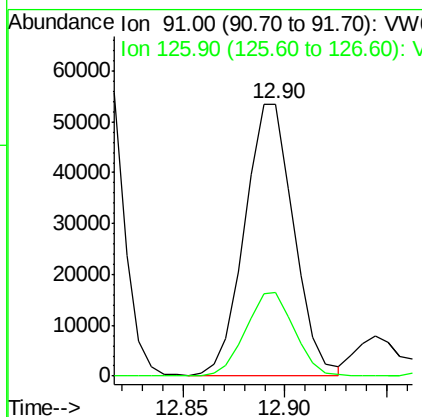
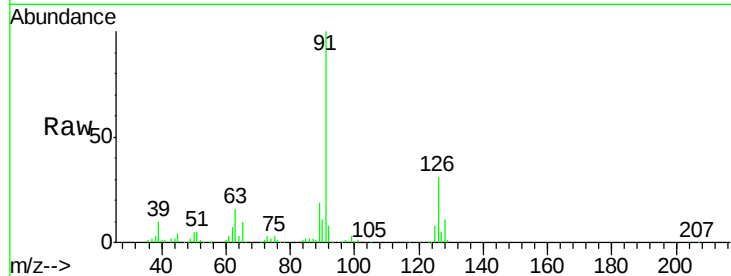
#79
 2-Chlorotoluene
 Concen: 9.791 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW011156.D
 Acq: 08 Jul 2019 11:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
126	30.6	15.8	47.3

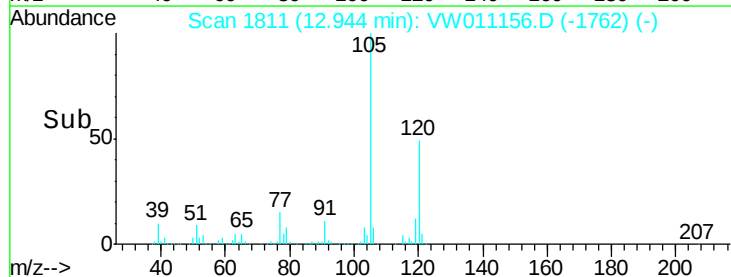
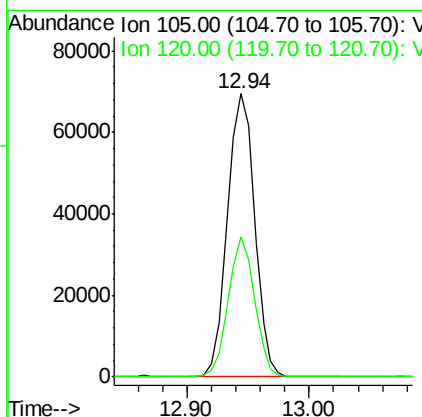
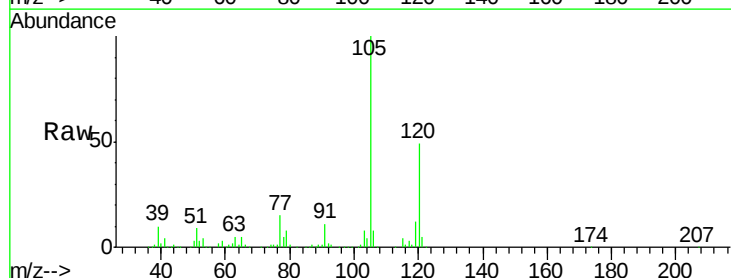
Manual Integrations
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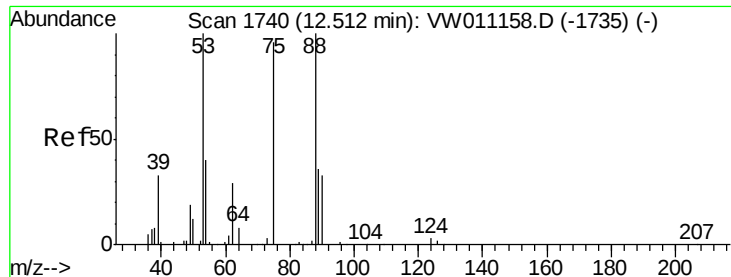
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 9.796 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW011156.D
 Acq: 08 Jul 2019 11:07

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.8	24.1	72.2





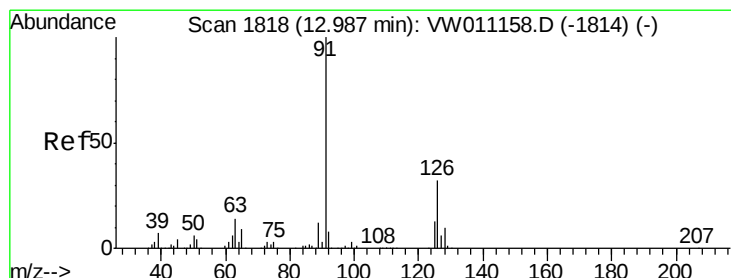
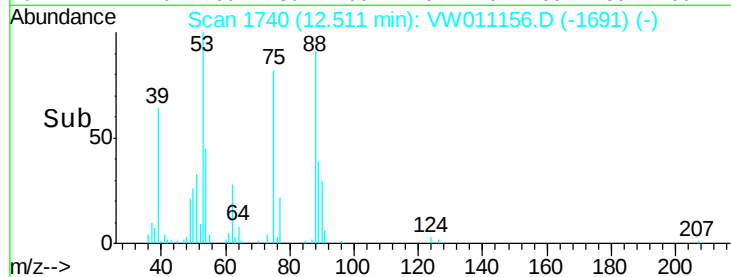
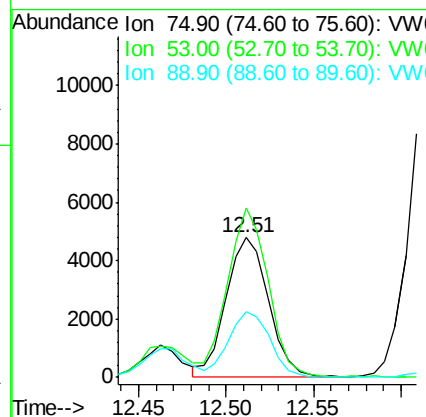
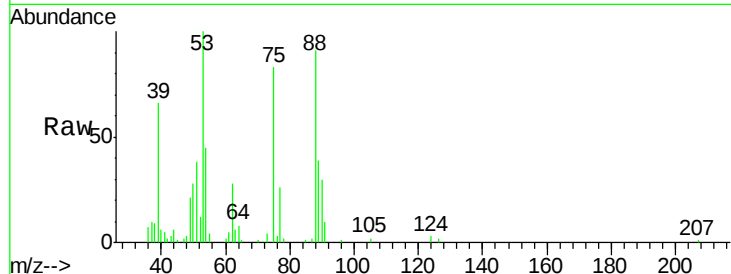
#81
trans-1,4-Dichloro-2-butene
Concen: 9.163 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW011156.D
Acq: 08 Jul 2019 11:07

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
75	100		
53	117.2	89.8	134.6
89	45.9	34.3	51.5

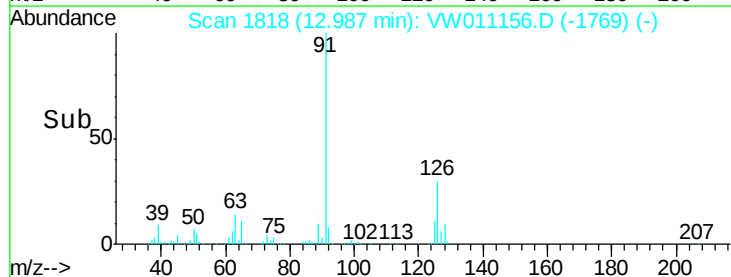
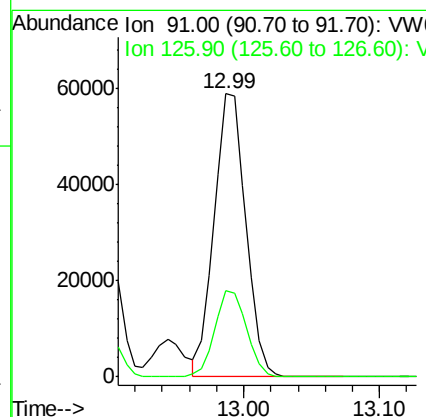
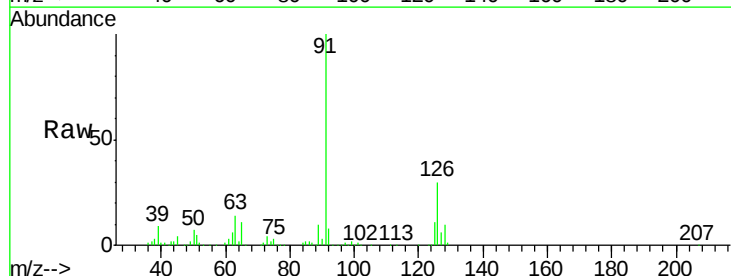
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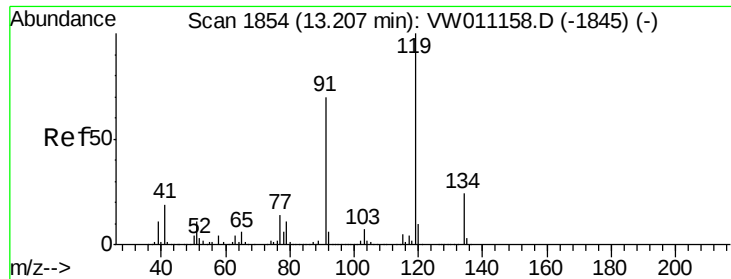
MMDadoda
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#82
4-Chlorotoluene
Concen: 9.966 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW011156.D
Acq: 08 Jul 2019 11:07

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.8	15.7	47.1





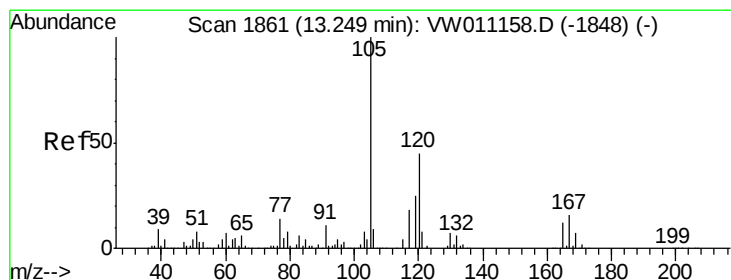
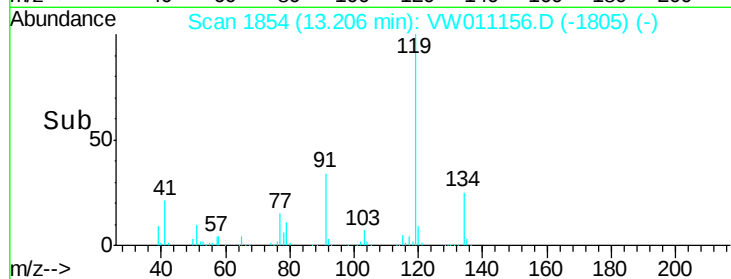
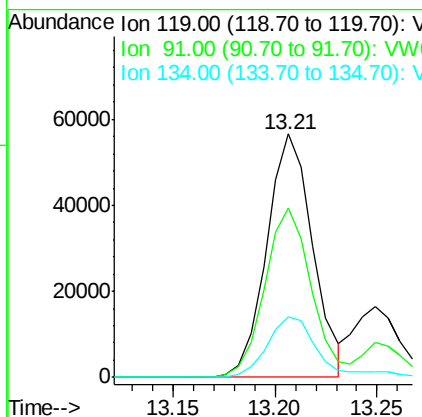
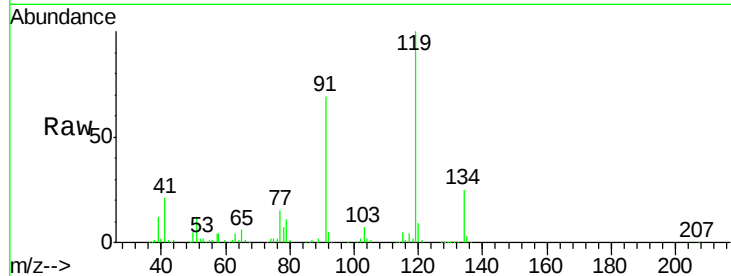
#83
tert-Butylbenzene
Concen: 9.759 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW011156.D
Acq: 08 Jul 2019 11:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.7	35.4	106.3
134	27.9	13.4	40.2

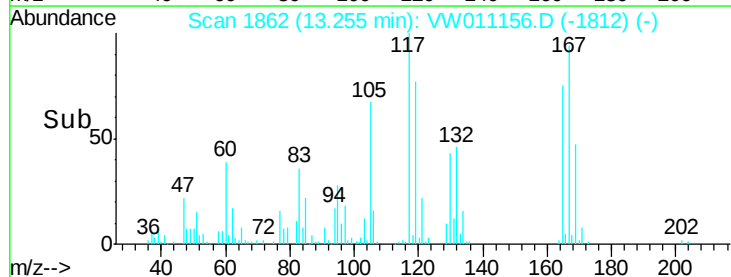
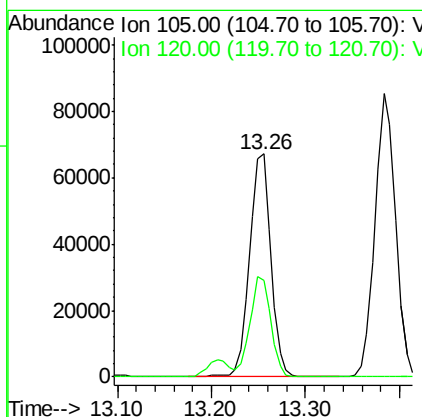
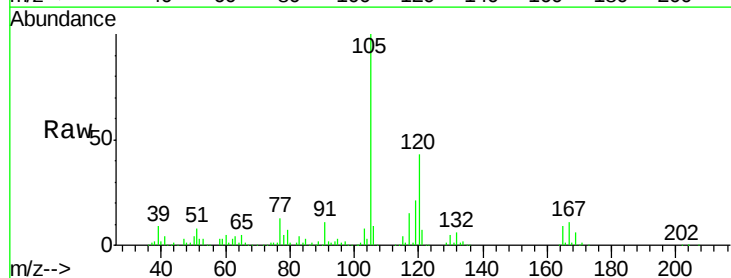
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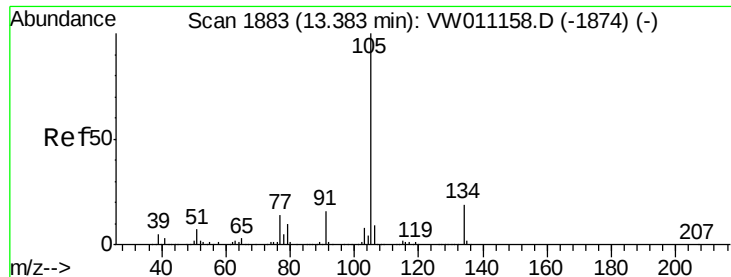
MMDadoda
7/9/2019 4:12:41 PM



#84
1,2,4-Trimethylbenzene
Concen: 9.787 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.01 min
Lab File: VW011156.D
Acq: 08 Jul 2019 11:07

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.7	22.3	66.9





#85

sec-Butylbenzene

Concen: 9.815 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW011156.D

Acq: 08 Jul 2019 11:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 129042

Ion Ratio Lower Upper

105 100

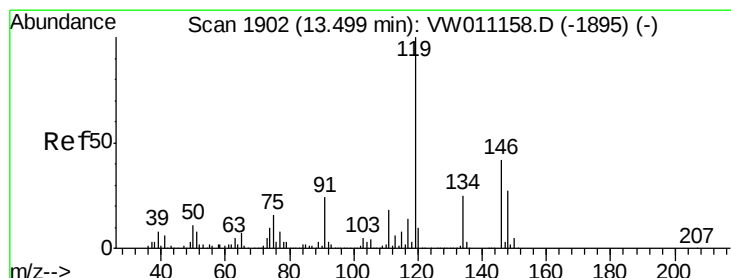
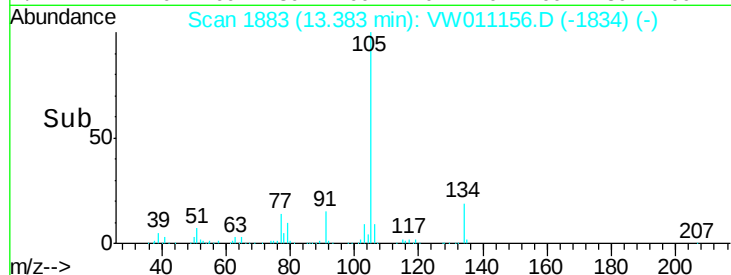
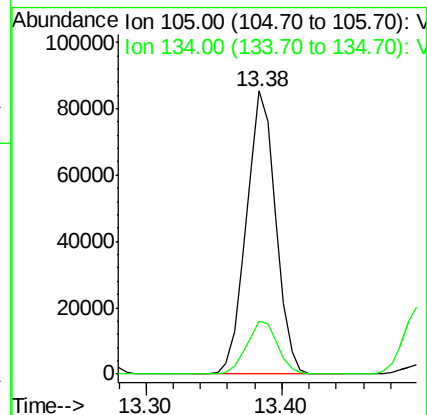
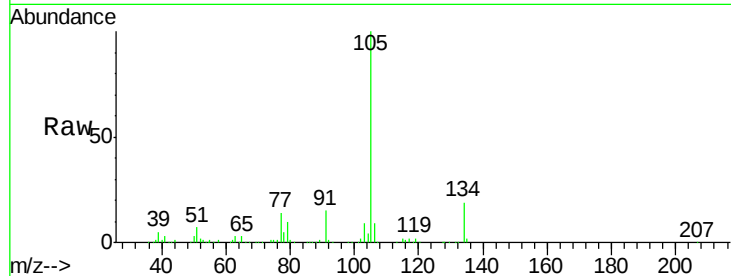
134 19.5 9.7 28.9

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#86

p-Isopropyltoluene

Concen: 9.682 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW011156.D

Acq: 08 Jul 2019 11:07

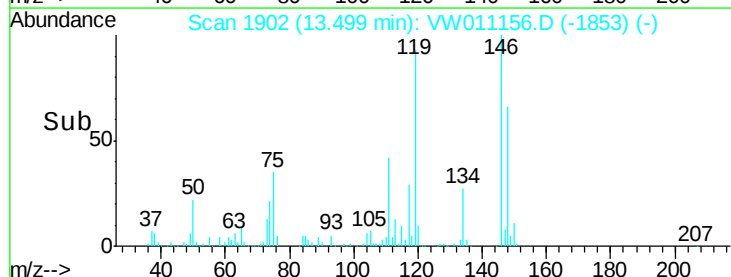
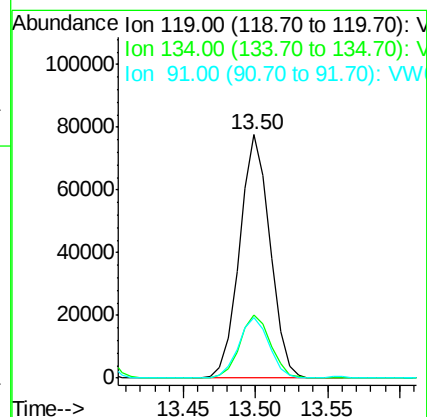
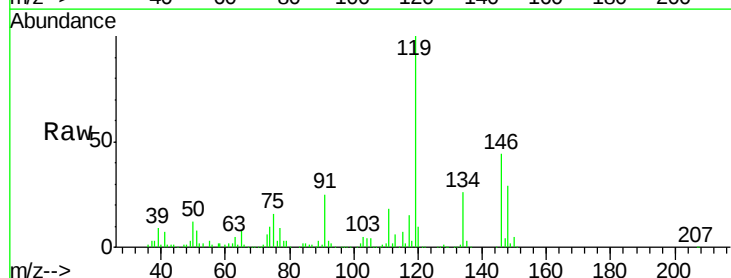
Tgt Ion:119 Resp: 114175

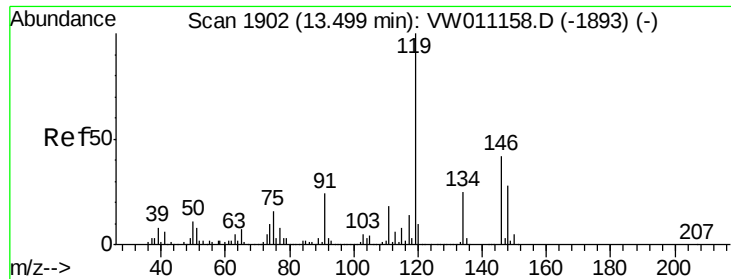
Ion Ratio Lower Upper

119 100

134 26.3 12.9 38.6

91 25.0 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 9.770 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW011156.D

Acq: 08 Jul 2019 11:07

Instrument :

MSVOA_W

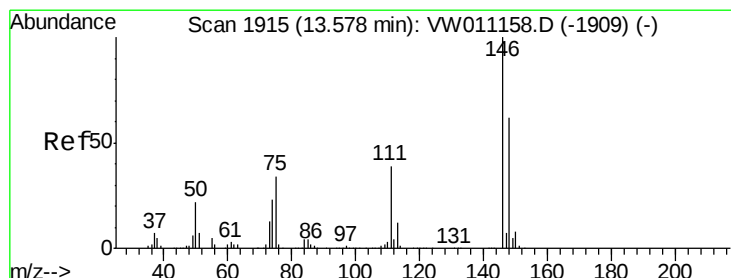
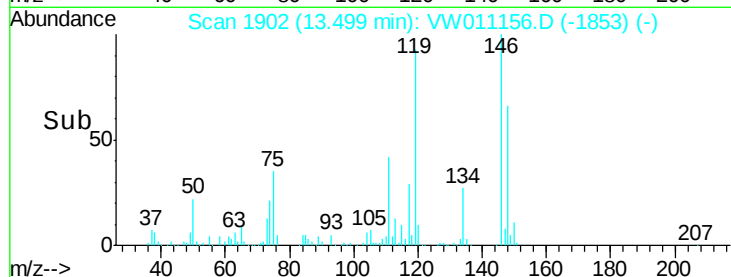
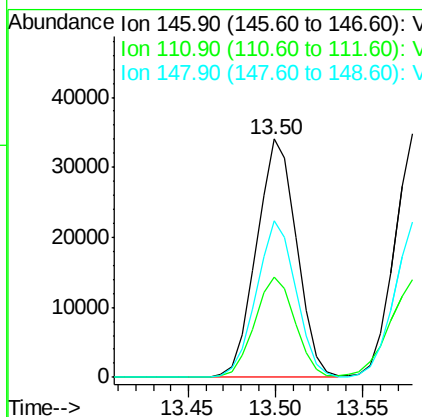
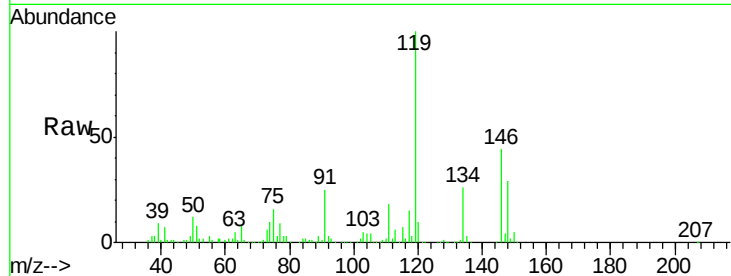
ClientSampleId :

VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.1	63.1
148	64.8	32.6	97.7

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#88

1,4-Dichlorobenzene

Concen: 9.964 ug/l

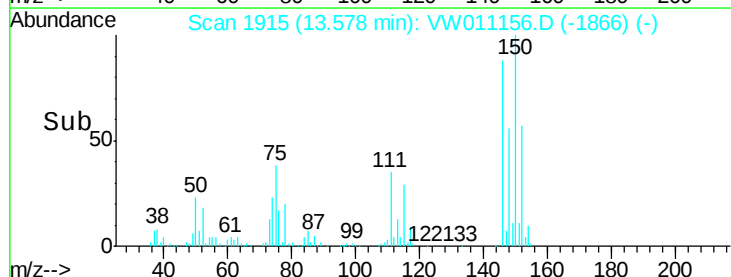
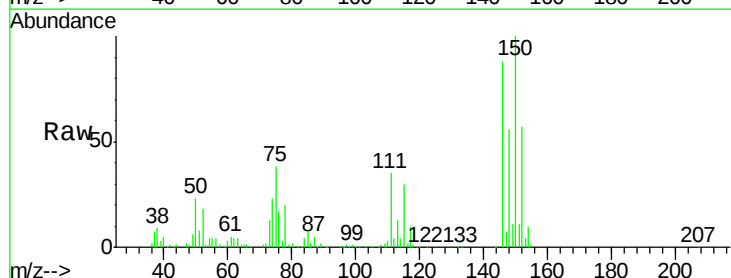
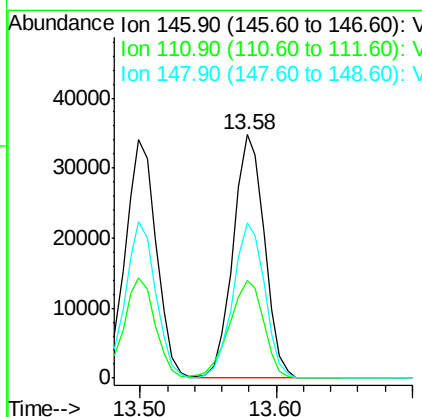
RT: 13.58 min Scan# 1915

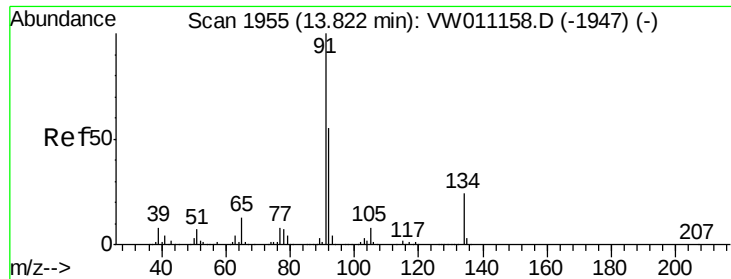
Delta R.T. -0.00 min

Lab File: VW011156.D

Acq: 08 Jul 2019 11:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.2	19.9	59.7
148	64.7	31.5	94.5





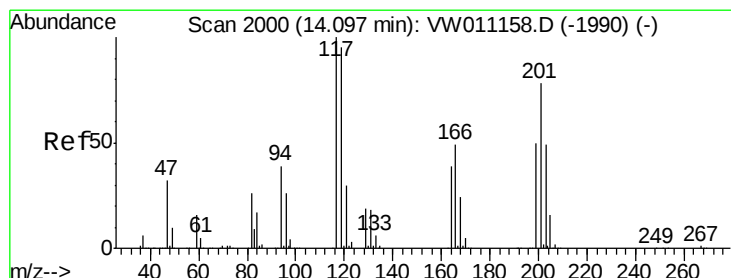
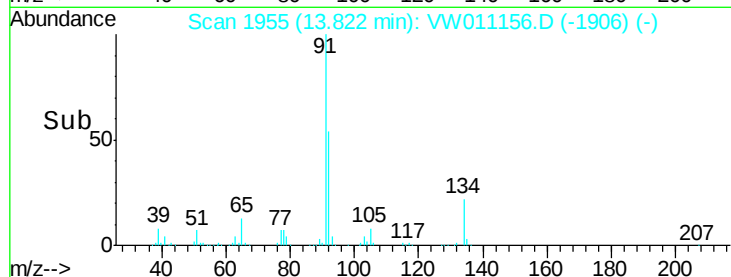
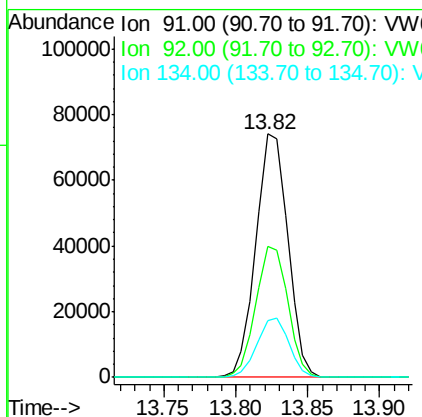
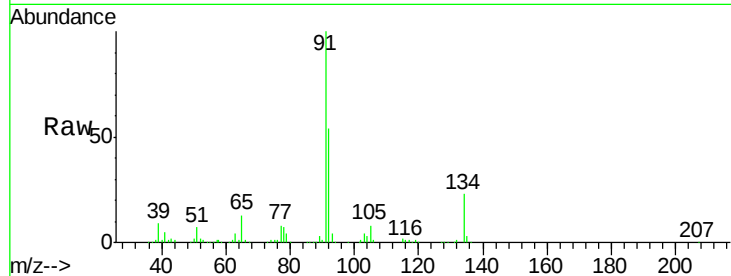
#89
n-Butylbenzene
Concen: 9.691 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW011156.D
Acq: 08 Jul 2019 11:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.8	26.9	80.7
134	24.4	12.2	36.4

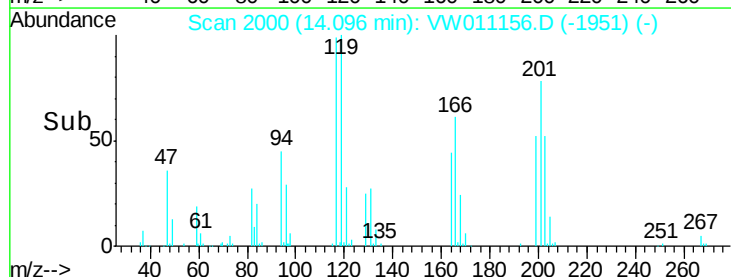
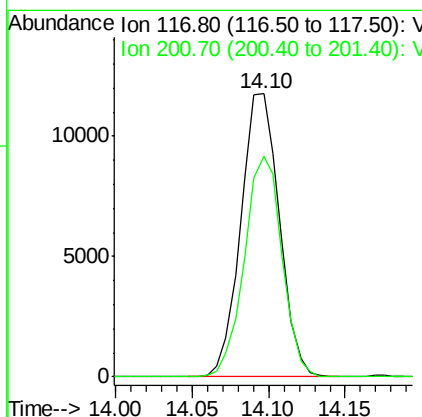
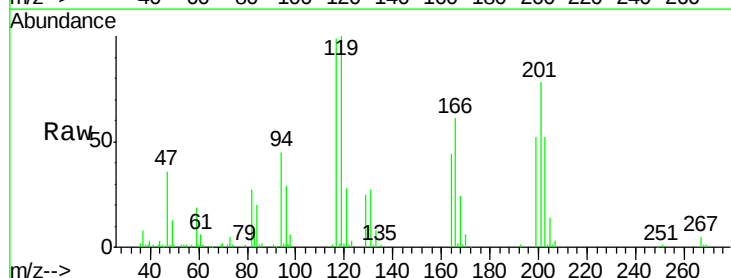
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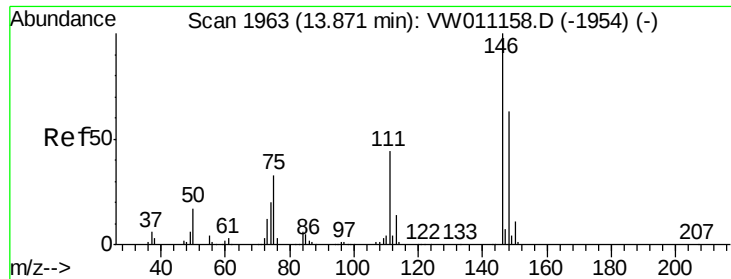
MMDadoda
7/9/2019 4:12:41 PM



#90
Hexachloroethane
Concen: 9.550 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW011156.D
Acq: 08 Jul 2019 11:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.1	38.3	114.8





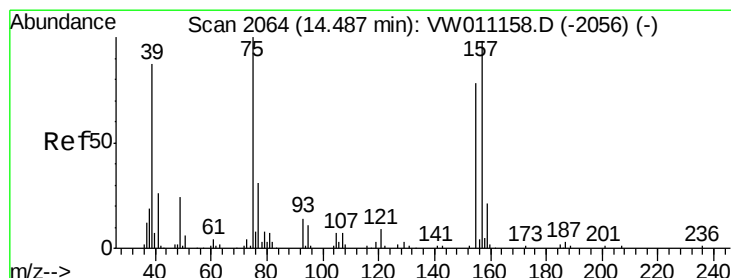
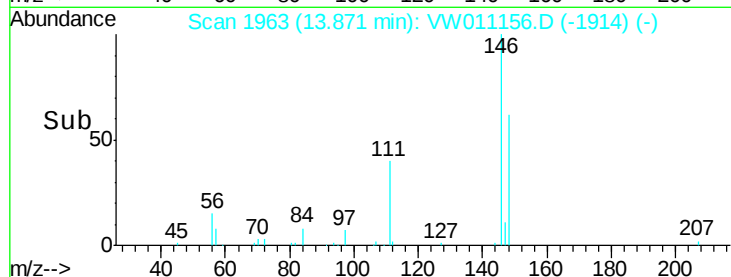
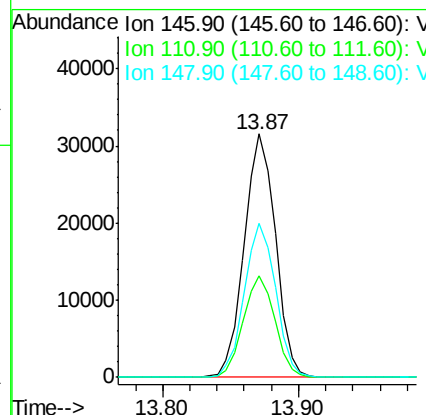
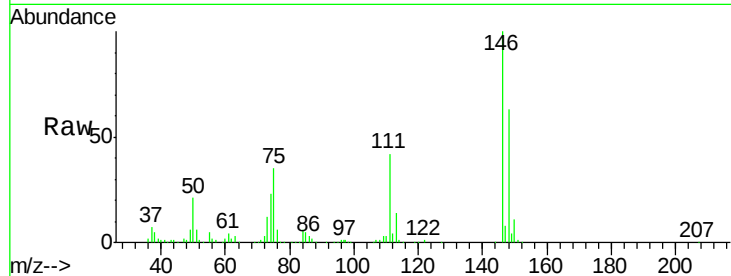
#91
 1,2-Dichlorobenzene
 Concen: 10.106 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011156.D
 Acq: 08 Jul 2019 11:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.6	65.0
148	63.2	31.9	95.5

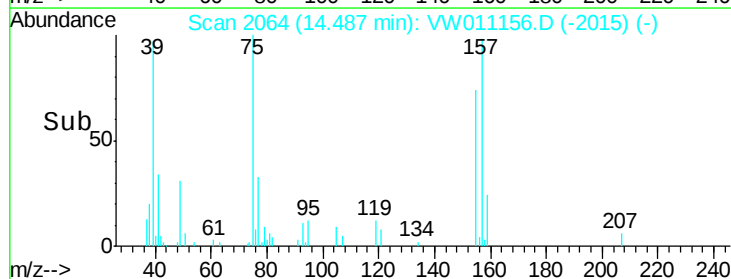
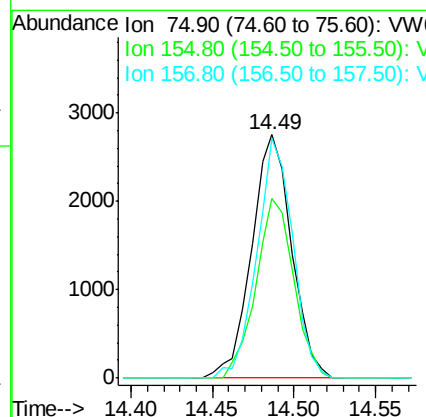
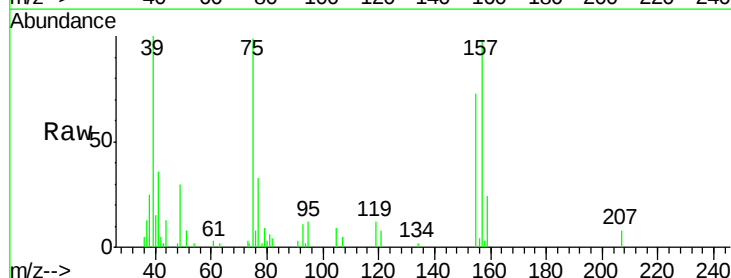
Manual Integrations
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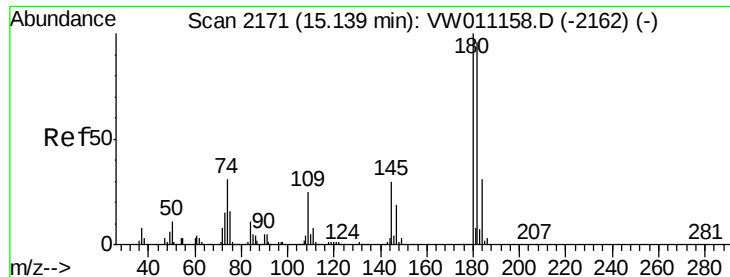
MMDadoda
 7/9/2019 4:12:41 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 10.026 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011156.D
 Acq: 08 Jul 2019 11:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.0	37.1	111.3
157	88.6	48.5	145.6





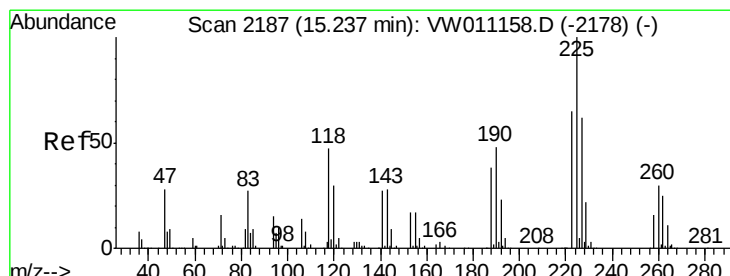
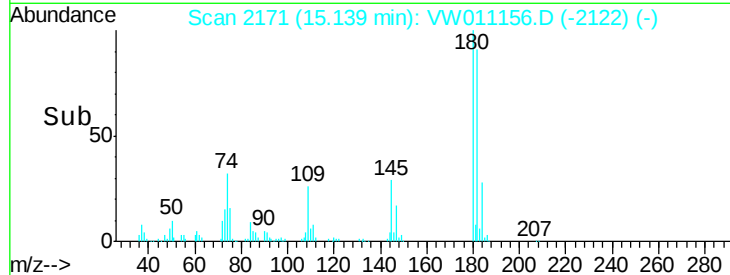
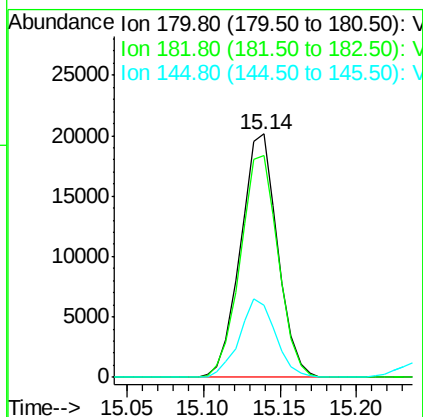
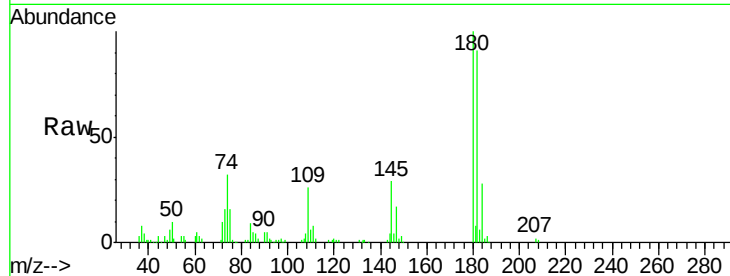
#93
 1,2,4-Trichlorobenzene
 Concen: 9.739 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW011156.D
 Acq: 08 Jul 2019 11:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
180	100	33793		
182	93.1	48.3	144.9	
145	31.3	15.5	46.5	

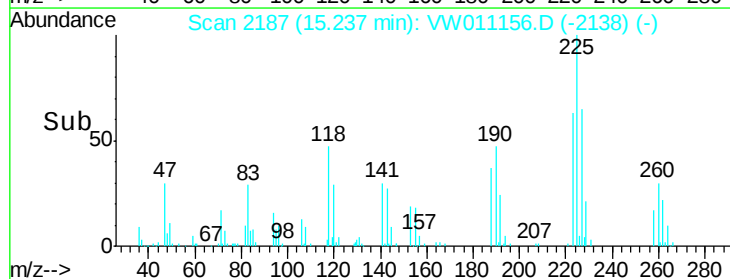
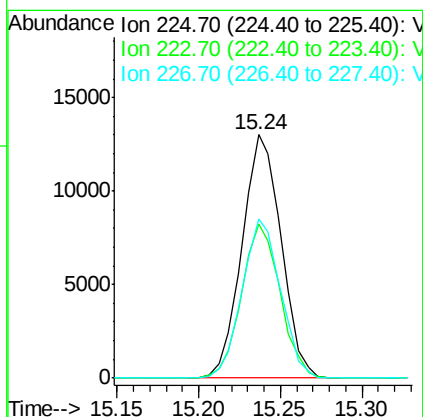
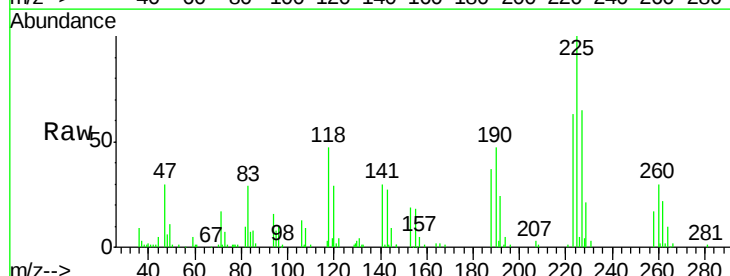
Manual Integrations
 APPROVED

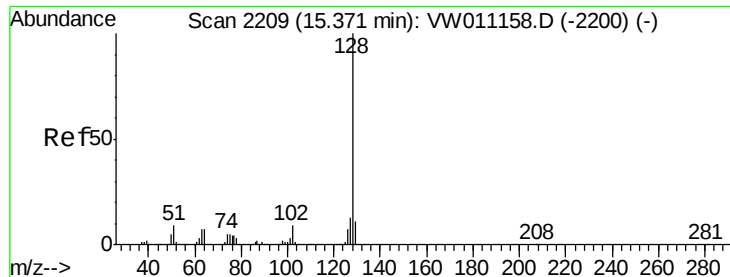
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 10.180 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW011156.D
 Acq: 08 Jul 2019 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	21686		
223	62.3	31.6	95.0	
227	64.2	32.0	96.0	





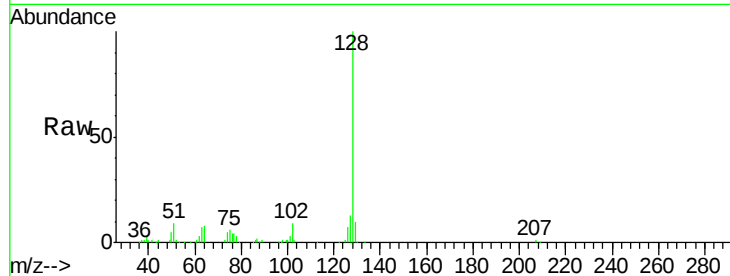
#95
Naphthalene
Concen: 9.415 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW011156.D
Acq: 08 Jul 2019 11:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

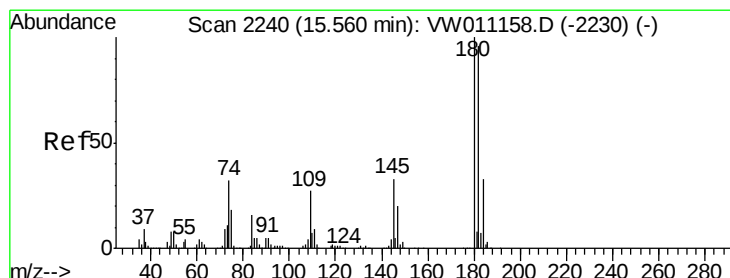
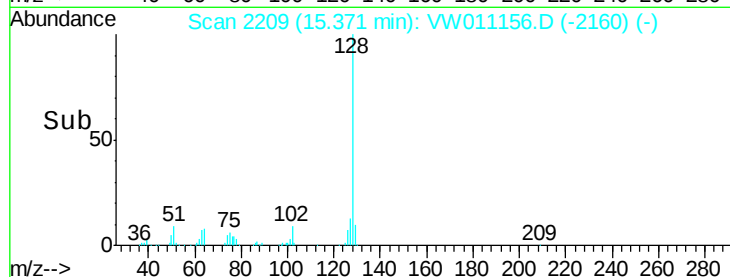
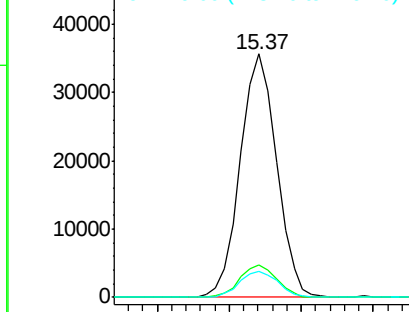
Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.6	16.0
129	11.1	8.7	13.1

Manual Integrations
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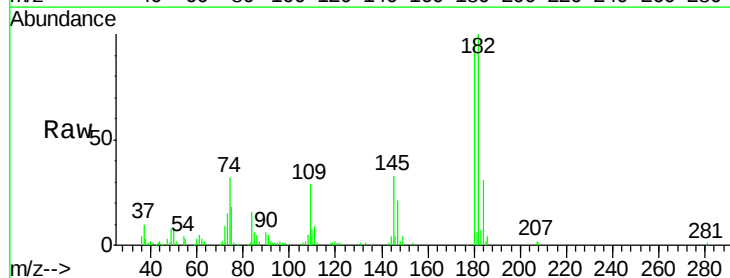


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 9.725 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW011156.D
Acq: 08 Jul 2019 11:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.7	47.6	142.8
145	32.7	16.5	49.5



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

