

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081219\
 Data File : VW011818.D
 Acq On : 09 Aug 2019 18:16
 Operator : SY/VA
 Sample : VW0812SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/13/2019 2:44:06 PM

Quant Time: Aug 11 01:39:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	228335	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	371062	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	325973	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	159406	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	144790	55.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.44%	
35) Dibromofluoromethane	7.88	113	113610	54.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.14%	
50) Toluene-d8	10.32	98	463932	54.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.86%	
62) 4-Bromofluorobenzene	12.62	95	164413	54.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	27503	21.613	ug/l	100
3) Chloromethane	2.21	50	41988	19.028	ug/l	99
4) Vinyl Chloride	2.36	62	51836	19.512	ug/l	100
5) Bromomethane	2.76	94	23909	16.259	ug/l	100
6) Chloroethane	2.90	64	27330	18.010	ug/l	97
7) Trichlorofluoromethane	3.25	101	24519	20.651	ug/l	100
8) Diethyl Ether	3.68	74	26284	19.525	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	45295	20.111	ug/l	97
10) Methyl Iodide	4.27	142	58673	18.434	ug/l	97
11) Tert butyl alcohol	5.19	59	16058	70.161	ug/l #	94
12) 1,1-Dichloroethene	4.03	96	44575	18.745	ug/l	97
13) Acrolein	3.89	56	13487	71.689	ug/l	100
14) Allyl chloride	4.67	41	96089	18.998	ug/l	98
15) Acrylonitrile	5.37	53	61780	91.937	ug/l	100
16) Acetone	4.13	43	56421	67.649	ug/l	98
17) Carbon Disulfide	4.38	76	134251	18.038	ug/l	100
18) Methyl Acetate	4.67	43	37970	20.265	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	72707	19.267	ug/l	98
20) Methylene Chloride	4.92	84	57688	20.056	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	49406	19.271	ug/l	97
22) Diisopropyl ether	6.31	45	190185	19.944	ug/l	99
23) Vinyl Acetate	6.25	43	557451	93.034	ug/l	98
24) 1,1-Dichloroethane	6.21	63	99950	19.571	ug/l	98
25) 2-Butanone	7.18	43	87125	79.832	ug/l	97
26) 2,2-Dichloropropane	7.17	77	54768	17.438	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	53803	19.068	ug/l	100
28) Bromochloromethane	7.51	49	49124	21.671	ug/l #	99
29) Tetrahydrofuran	7.53	42	56961	91.309	ug/l	99
30) Chloroform	7.67	83	94000	19.951	ug/l	92
31) Cyclohexane	7.95	56	95446	19.469	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	72351	20.163	ug/l	99
36) 1,1-Dichloropropene	8.08	75	77250	20.021	ug/l	100
37) Ethyl Acetate	7.25	43	40193	18.106	ug/l	97
38) Carbon Tetrachloride	8.07	117	66474	20.125	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

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

39) Methylcyclohexane	9.34	83	83512	19.657	ug/l	97
40) Benzene	8.32	78	211853	19.602	ug/l	100
41) Methacrylonitrile	7.48	41	23312	17.568	ug/l #	92
42) 1,2-Dichloroethane	8.40	62	67470	19.940	ug/l	99
43) Isopropyl Acetate	8.43	43	75028	18.378	ug/l	99
44) Trichloroethene	9.09	130	51033	19.647	ug/l	94
45) 1,2-Dichloropropane	9.37	63	56948	19.693	ug/l	99
46) Dibromomethane	9.46	93	25397	19.242	ug/l	100
47) Bromodichloromethane	9.65	83	67400	19.468	ug/l	99
48) Methyl methacrylate	9.43	41	36366	18.544	ug/l	98
49) 1,4-Dioxane	9.46	88	7198	376.653	ug/l #	74
51) 4-Methyl-2-Pentanone	10.21	43	193846	91.287	ug/l	99
52) Toluene	10.38	92	128249	19.650	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	66938	18.509	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	81080	18.855	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	35919	19.181	ug/l	98
56) Ethyl methacrylate	10.65	69	51320	18.728	ug/l	98
57) 1,3-Dichloropropane	10.93	76	67983	19.189	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	131725	105.871	ug/l	99
59) 2-Hexanone	10.97	43	130246	86.871	ug/l	99
60) Dibromochloromethane	11.13	129	39476	18.991	ug/l	99
61) 1,2-Dibromoethane	11.23	107	33147	18.704	ug/l	99
64) Tetrachloroethene	10.86	164	41600	19.600	ug/l	98
65) Chlorobenzene	11.66	112	128878	19.665	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	43773	19.175	ug/l	98
67) Ethyl Benzene	11.73	91	243012	19.470	ug/l	99
68) m/p-Xylenes	11.84	106	177374	39.076	ug/l	99
69) o-Xylene	12.16	106	82799	19.630	ug/l	99
70) Styrene	12.18	104	142883	19.592	ug/l	99
71) Bromoform	12.35	173	21444	18.424	ug/l #	95
73) Isopropylbenzene	12.46	105	229812	19.325	ug/l	99
74) N-amyl acetate	12.27	43	67439	18.114	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	41950	18.754	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	28925m	17.149	ug/l	
77) Bromobenzene	12.74	156	50218	19.105	ug/l	99
78) n-propylbenzene	12.80	91	282771	19.538	ug/l	100
79) 2-Chlorotoluene	12.89	91	161048	19.316	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	193439	19.405	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	12848	17.555	ug/l	91
82) 4-Chlorotoluene	12.99	91	169608	19.388	ug/l	100
83) tert-Butylbenzene	13.21	119	163579	19.623	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	195271	19.446	ug/l	99
85) sec-Butylbenzene	13.38	105	233708	19.648	ug/l	100
86) p-Isopropyltoluene	13.50	119	207992	19.273	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	98957	19.200	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	97109	18.941	ug/l	98
89) n-Butylbenzene	13.82	91	205262	19.059	ug/l	99
90) Hexachloroethane	14.09	117	35781	18.750	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	87397	19.173	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6914	18.126	ug/l	94

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Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:23:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	58218	18.122	ug/l	99
94) Hexachlorobutadiene	15.24	225	38998	19.465	ug/l	98
95) Naphthalene	15.36	128	98638	17.092	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	50169	17.815	ug/l	98

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

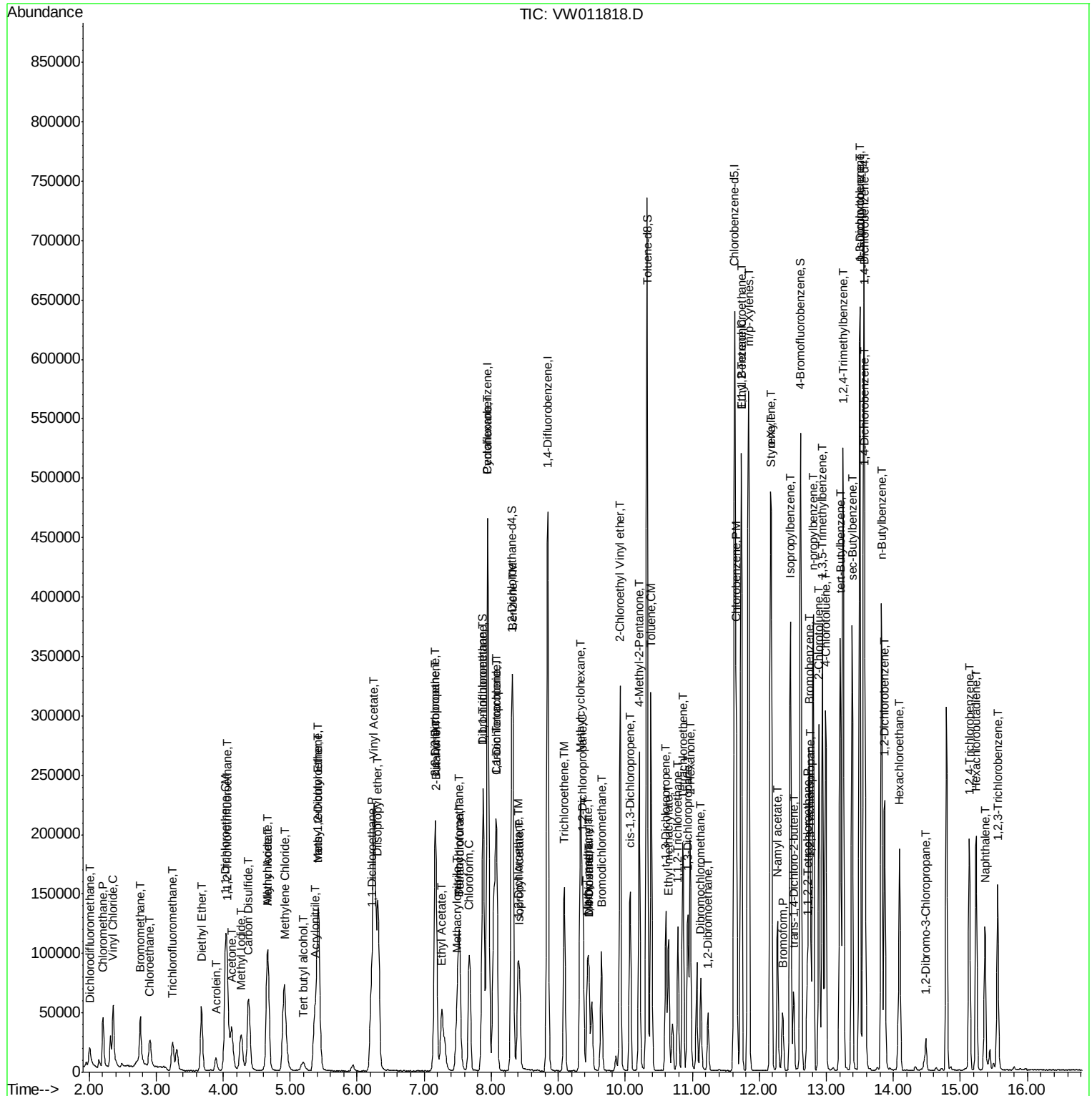
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 Data File : VW011818.D
 Acq On : 09 Aug 2019 18:16
 Operator : SY/VA
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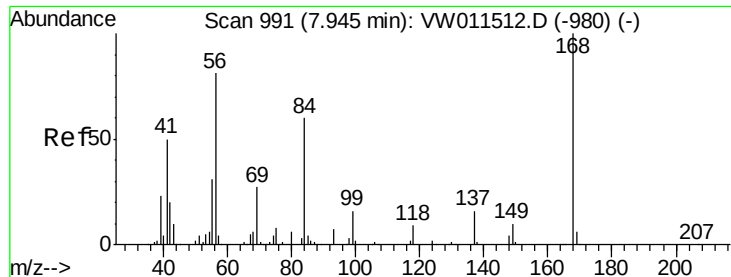
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBS01

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011818.D

Acq: 09 Aug 2019 18:16

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBS01

Tot Ion:168 Resp: 228335

Ion Ratio Lower Upper

168 100

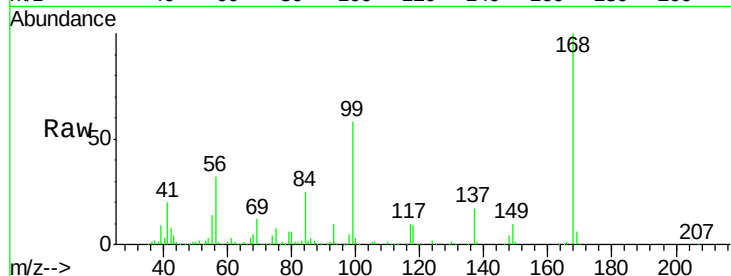
99 58.0 48.2 72.4

Manual Integrations

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8/13/2019 2:44:06 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

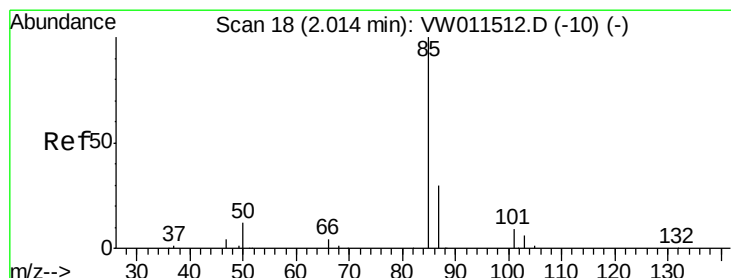
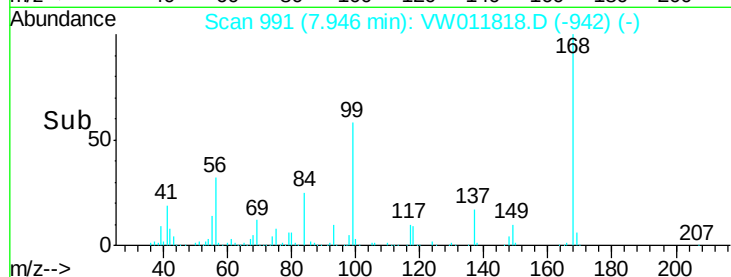
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 21.613 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011818.D

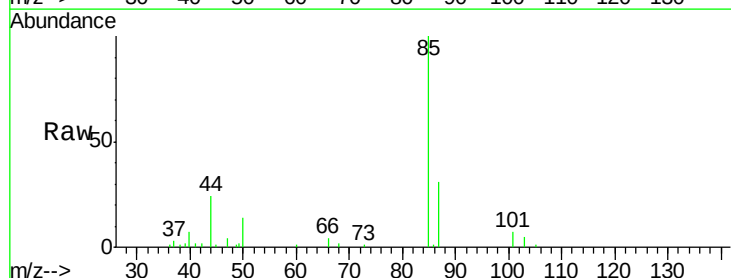
Acq: 09 Aug 2019 18:16

Tgt Ion: 85 Resp: 27503

Ion Ratio Lower Upper

85 100

87 30.7 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

10000

8000

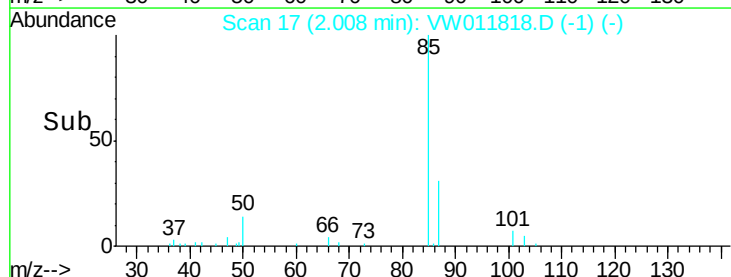
6000

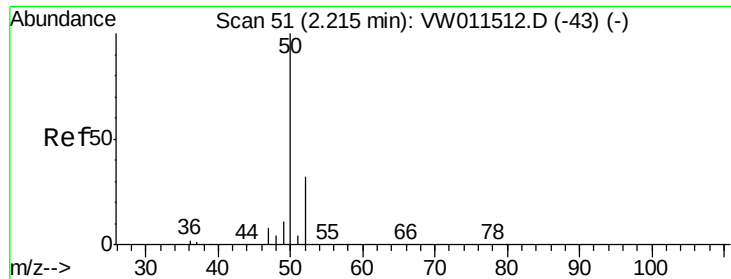
4000

2000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 19.028 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW011818.D

Acq: 09 Aug 2019 18:16

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBS01

Tot Ion: 50 Resp: 41988

Ion Ratio Lower Upper

50 100

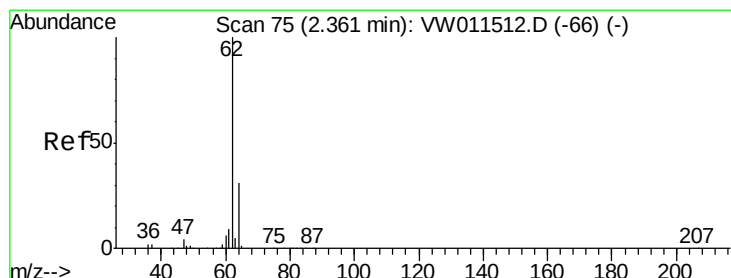
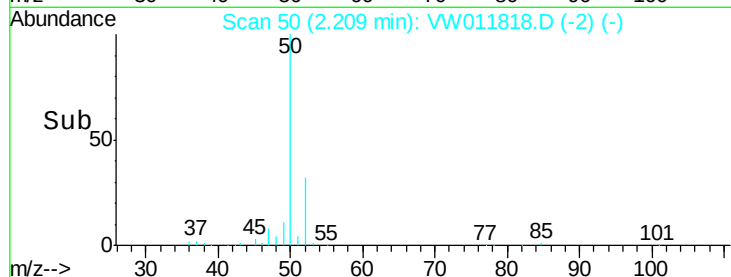
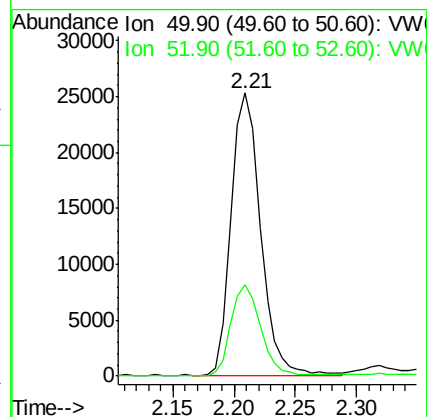
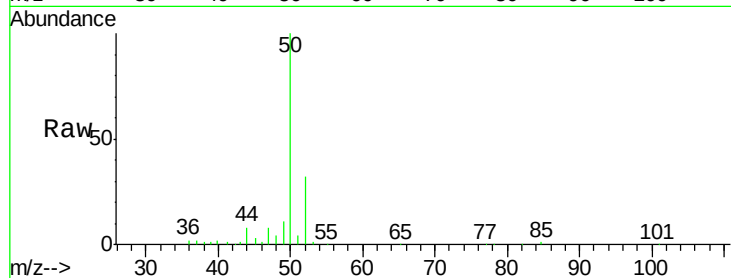
52 32.5 25.4 38.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.512 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW011818.D

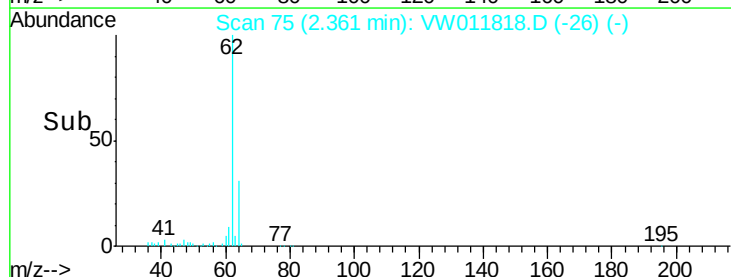
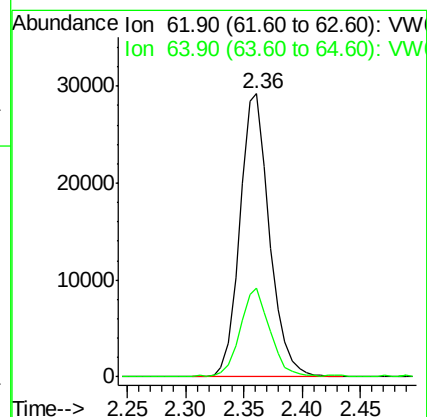
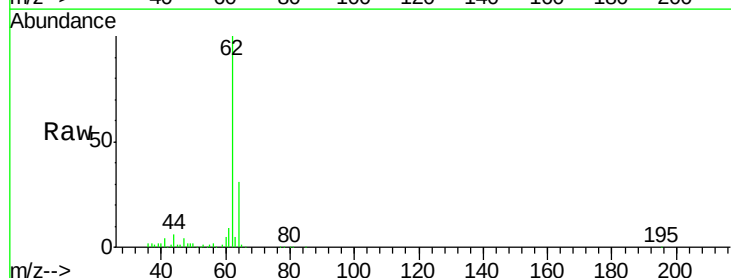
Acq: 09 Aug 2019 18:16

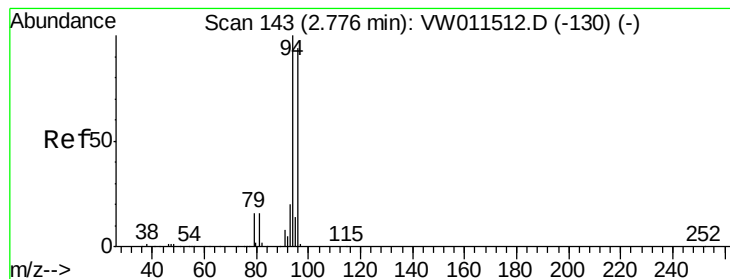
Tgt Ion: 62 Resp: 51836

Ion Ratio Lower Upper

62 100

64 30.9 25.0 37.4





#5

Bromomethane

Concen: 16.259 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW011818.D

Acq: 09 Aug 2019 18:16

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBS01

Tot Ion: 94 Resp: 23909

Ion Ratio Lower Upper

94 100

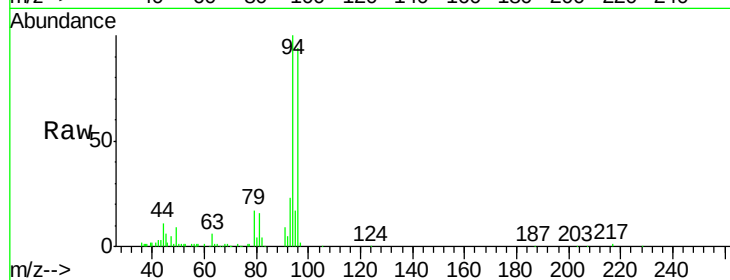
96 94.2 75.0 112.6

Manual Integrations

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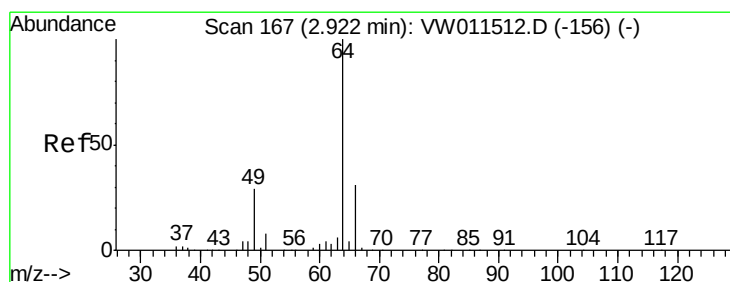
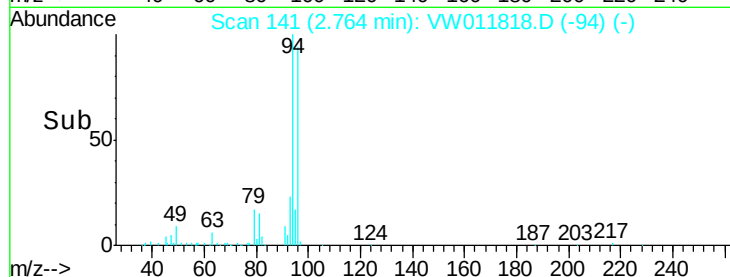
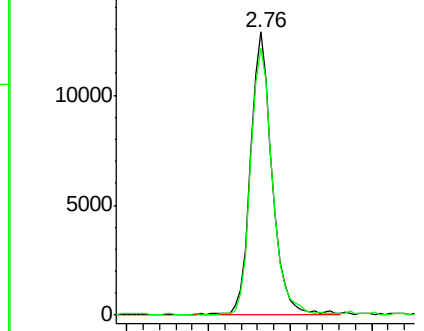
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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 18.010 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.02 min

Lab File: VW011818.D

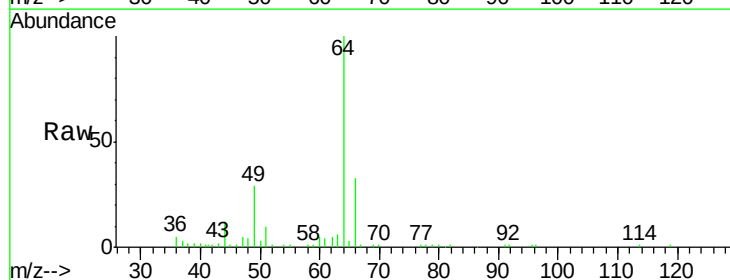
Acq: 09 Aug 2019 18:16

Tgt Ion: 64 Resp: 27330

Ion Ratio Lower Upper

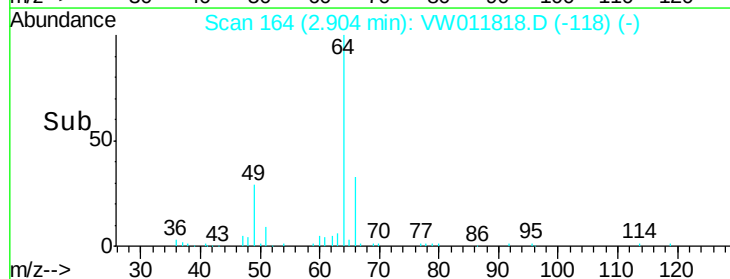
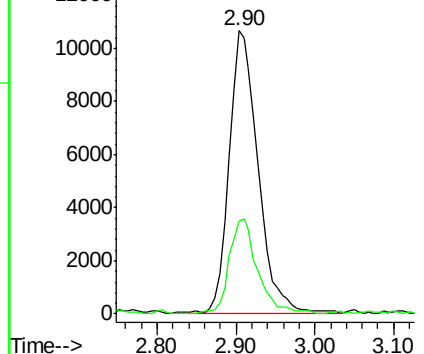
64 100

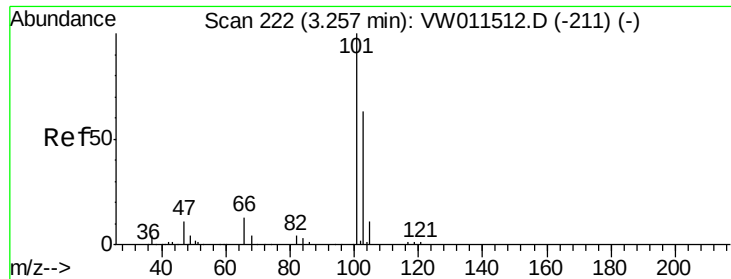
66 32.6 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

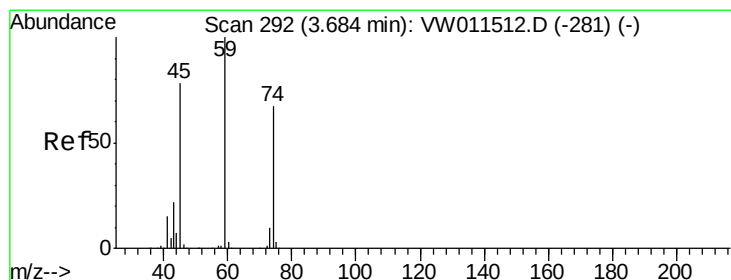
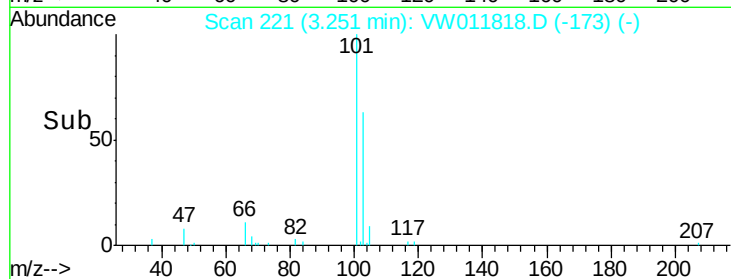
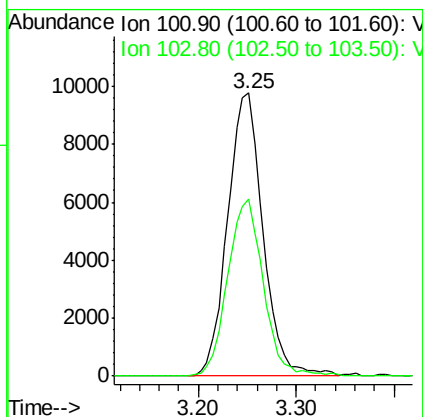
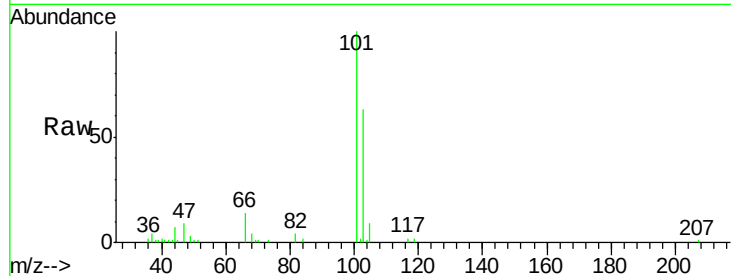
Trichlorofluoromethane
Concen: 20.651 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW011818.D
Acq: 09 Aug 2019 18:16

Instrument :
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ClientSampleId :
VW0812SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.6	50.2	75.4

Manual Integrations
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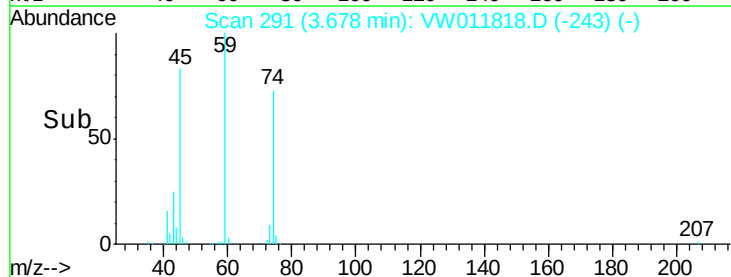
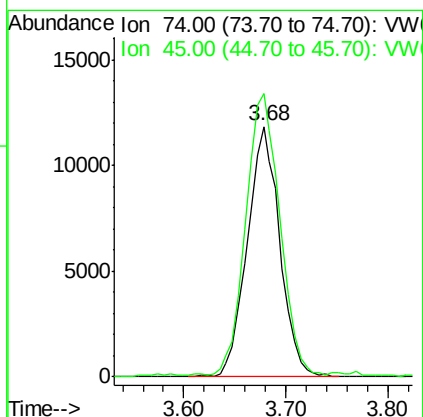
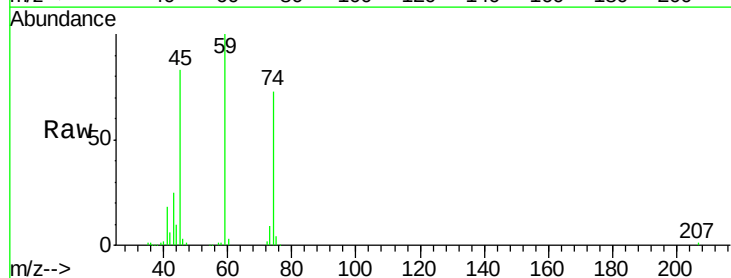
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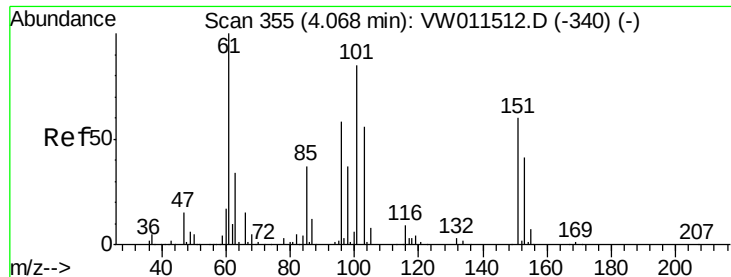


#8

Diethyl Ether
Concen: 19.525 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW011818.D
Acq: 09 Aug 2019 18:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	117.1	59.6	178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.111 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW011818.D

Acq: 09 Aug 2019 18:16

Instrument :

MSVOA_W

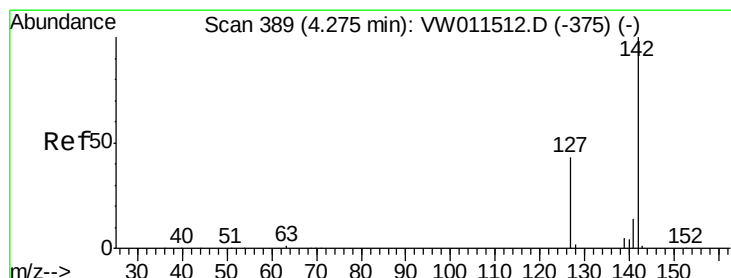
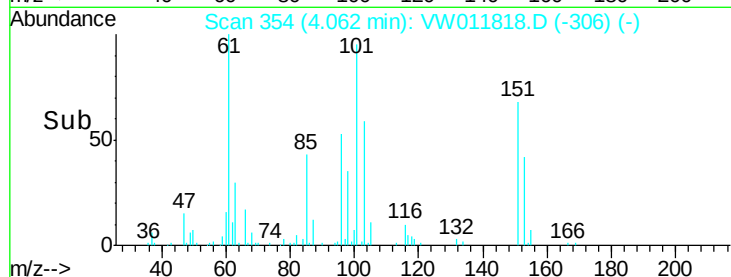
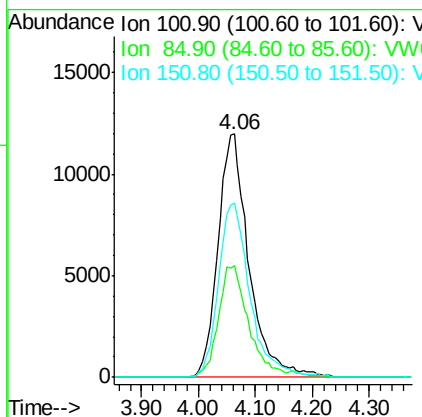
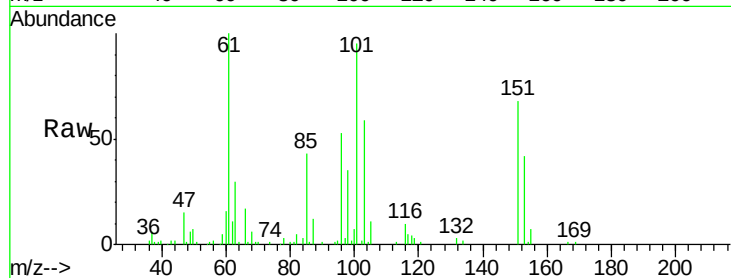
ClientSampleId :

VW0812SBS01

Tot Ion:	101	Resp:	45295
Ion Ratio	Lower	Upper	
101	100		
85	44.5	36.6	54.8
151	72.4	60.2	90.2

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#10

Methyl Iodide

Concen: 18.434 ug/l

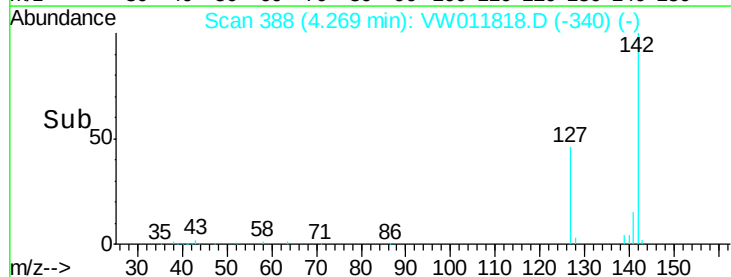
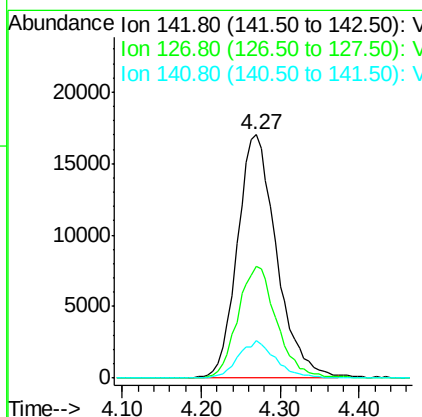
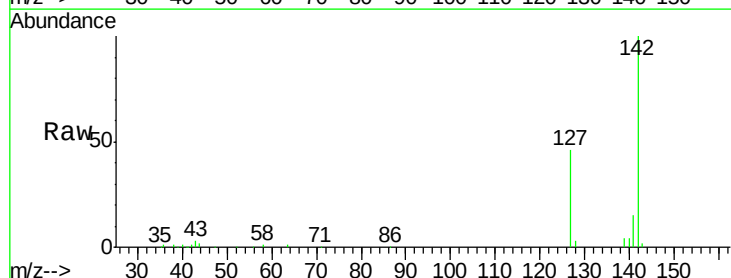
RT: 4.27 min Scan# 388

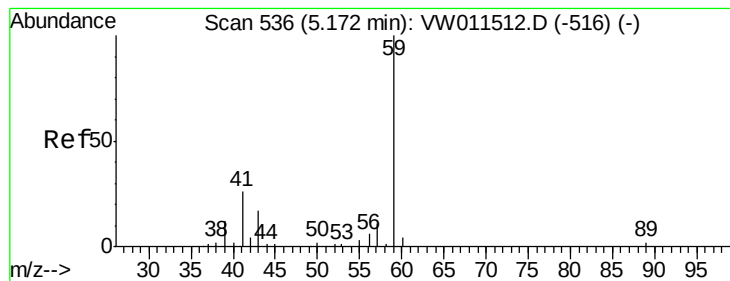
Delta R.T. -0.01 min

Lab File: VW011818.D

Acq: 09 Aug 2019 18:16

Tgt Ion:	142	Resp:	58673
Ion Ratio	Lower	Upper	
142	100		
127	45.8	35.0	52.6
141	14.6	11.9	17.9





#11

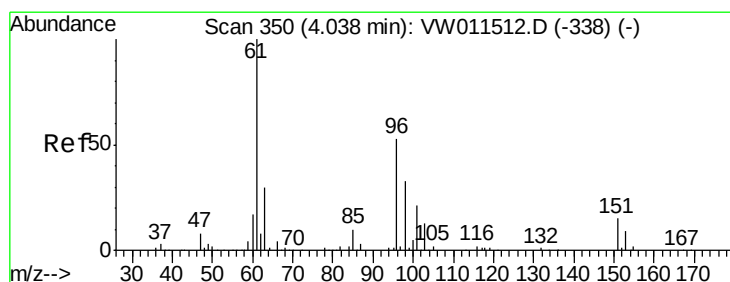
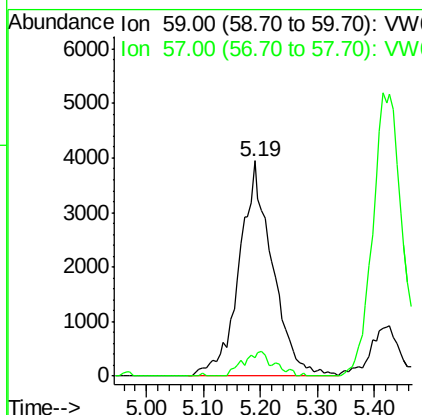
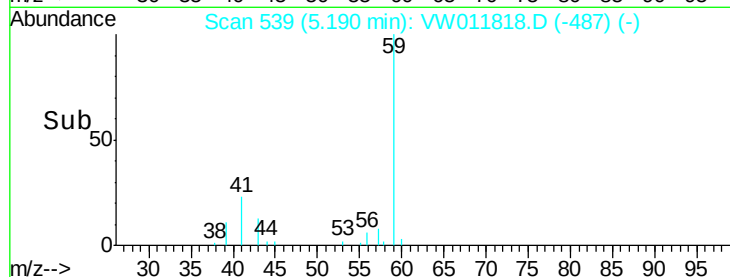
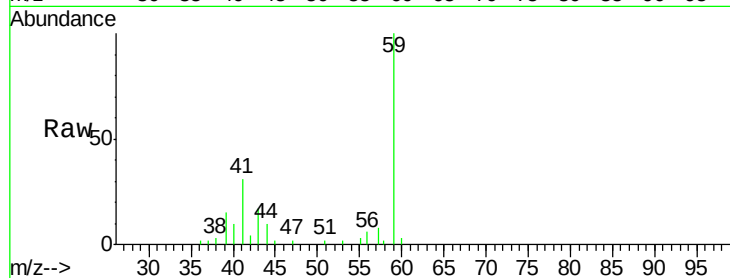
Tert butyl alcohol
Concen: 70.161 ug/l
RT: 5.19 min Scan# 539
Delta R.T. 0.02 min
Lab File: VW011818.D
Acq: 09 Aug 2019 18:16

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	16058		
57	8.4		8.5	12.7#

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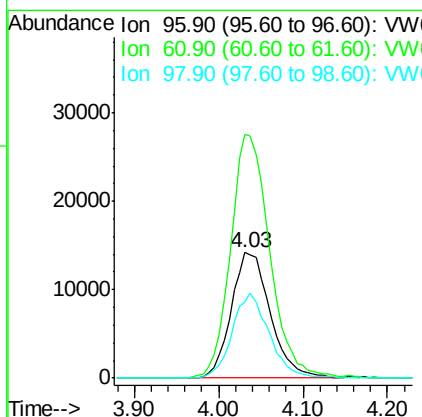
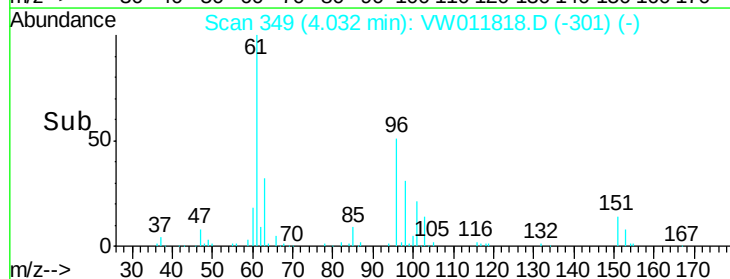
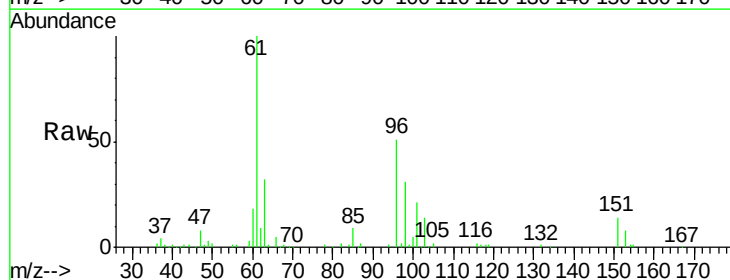
MMDadoda
8/13/2019 2:44:06 PM

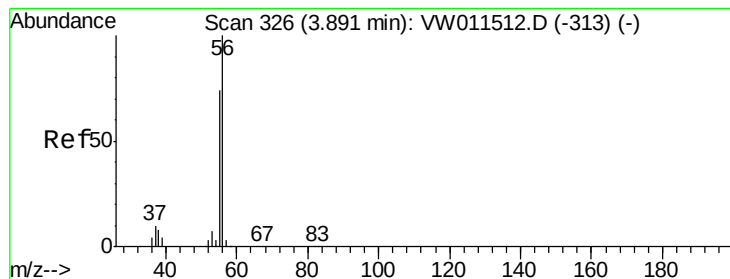


#12

1,1-Dichloroethene
Concen: 18.745 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW011818.D
Acq: 09 Aug 2019 18:16

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	44575		
61	193.6		149.9	224.9
98	60.8		49.1	73.7





#13

Acrolein

Concen: 71.689 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW011818.D

Acq: 09 Aug 2019 18:16

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBS01

Tot Ion: 56 Resp: 13487

Ion Ratio Lower Upper

56 100

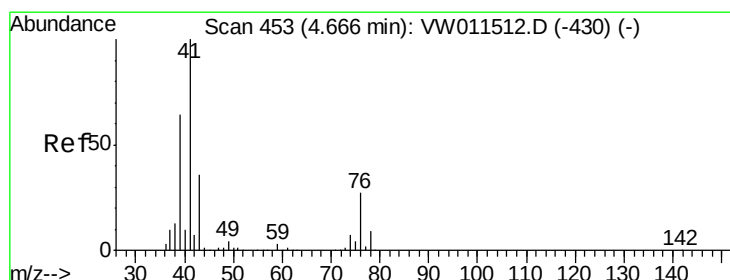
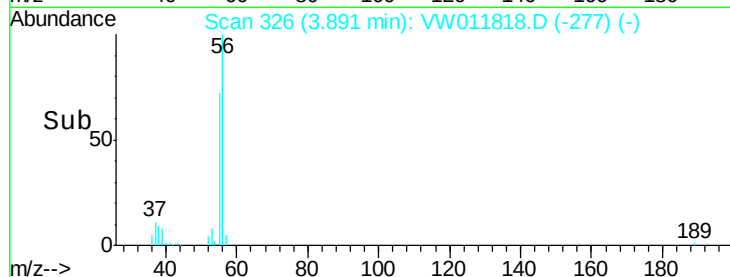
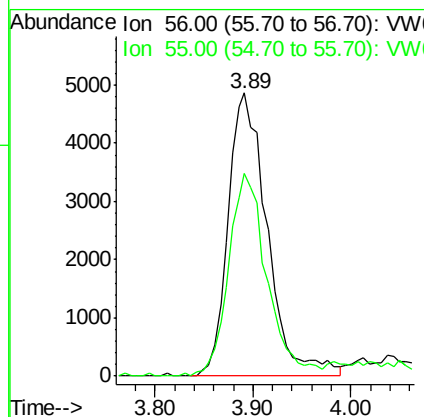
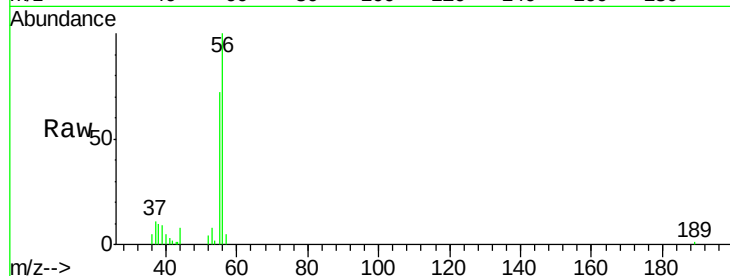
55 70.2 56.0 84.0

Manual Integrations

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#14

Allyl chloride

Concen: 18.998 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW011818.D

Acq: 09 Aug 2019 18:16

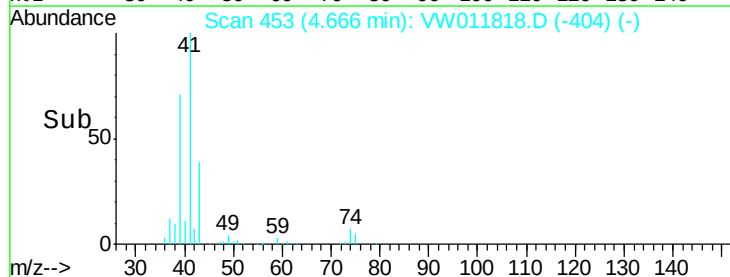
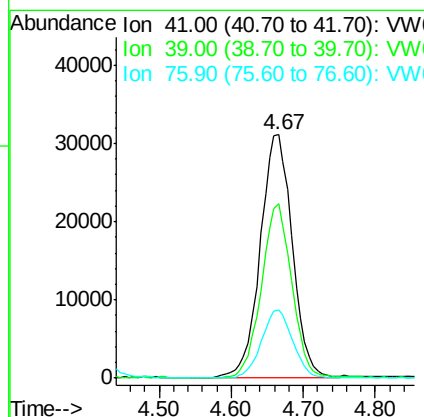
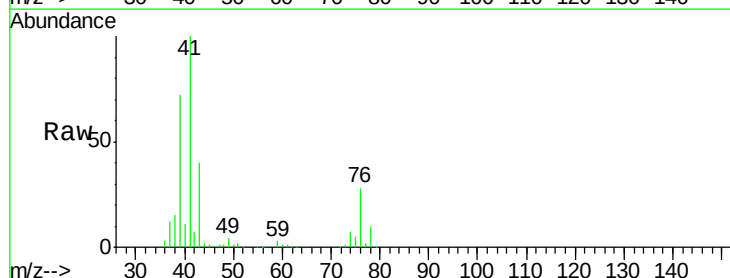
Tgt Ion: 41 Resp: 96089

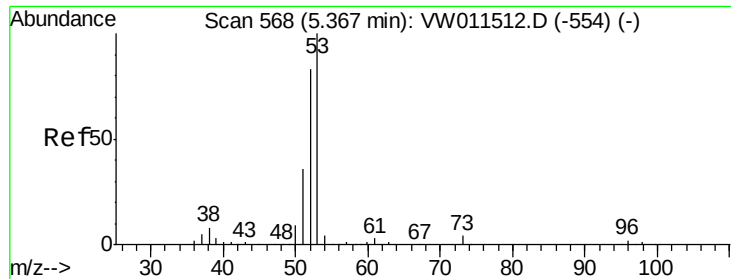
Ion Ratio Lower Upper

41 100

39 67.6 52.6 78.8

76 27.4 22.0 33.0





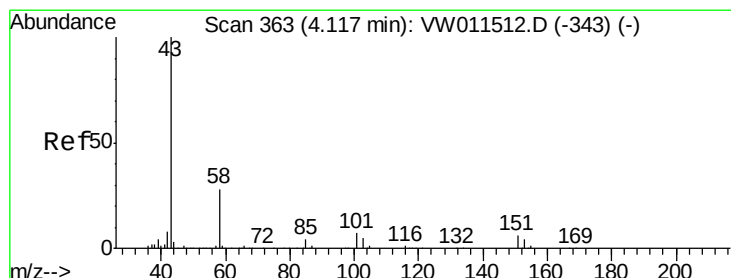
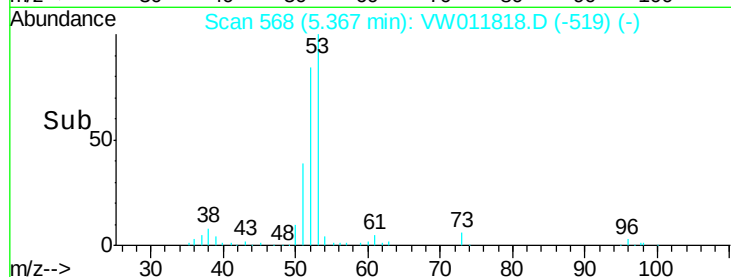
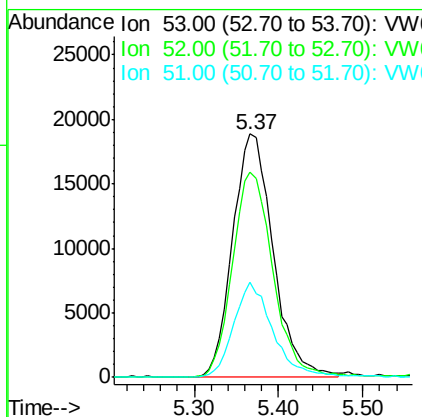
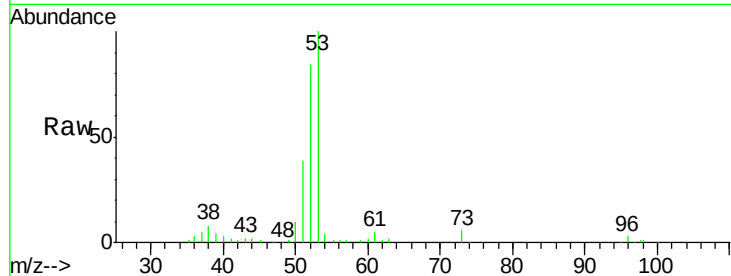
#15
 Acrylonitrile
 Concen: 91.937 ug/l
 RT: 5.37 min Scan# 568
 Delta R.T. 0.00 min
 Lab File: VW011818.D
 Acq: 09 Aug 2019 18:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBS01

Tot Ion	53	Resp	61780
Ion Ratio	100	Lower	Upper
53	100		
52	84.2	67.2	100.8
51	37.8	30.0	45.0

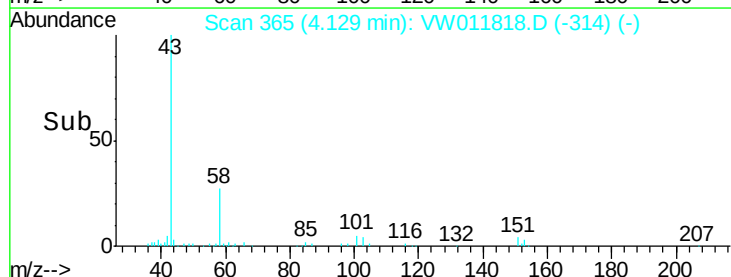
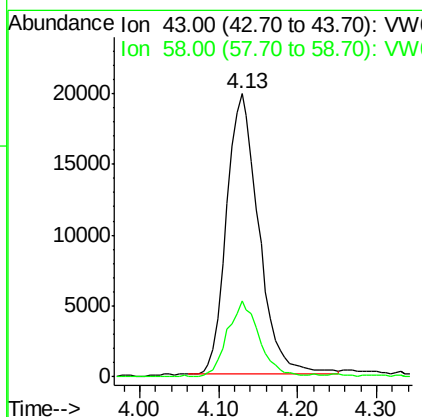
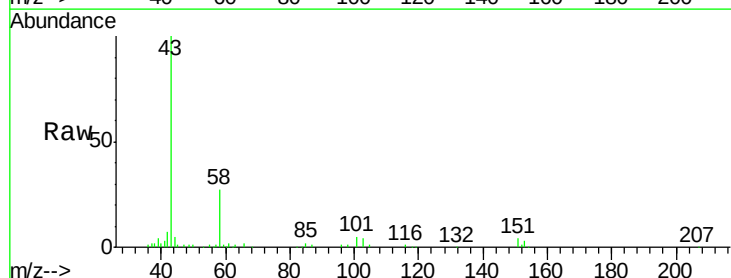
Manual Integrations
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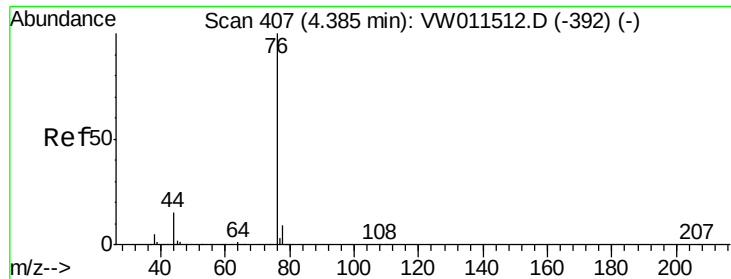
MMDadoda
 8/13/2019 2:44:06 PM



#16
 Acetone
 Concen: 67.649 ug/l
 RT: 4.13 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VW011818.D
 Acq: 09 Aug 2019 18:16

Tgt Ion	43	Resp	56421
Ion Ratio	100	Lower	Upper
43	100		
58	27.0	22.3	33.5





#17

Carbon Disulfide

Concen: 18.038 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW011818.D

Acq: 09 Aug 2019 18:16

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBS01

Tot Ion: 76 Resp: 134251

Ion Ratio Lower Upper

76 100

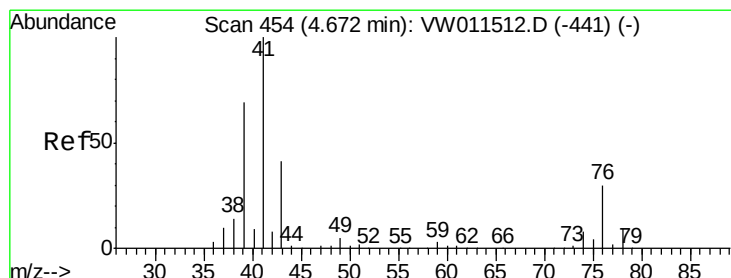
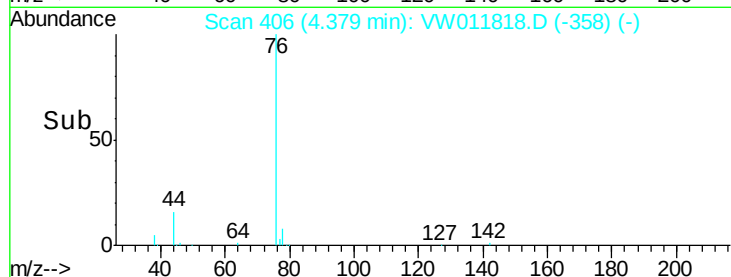
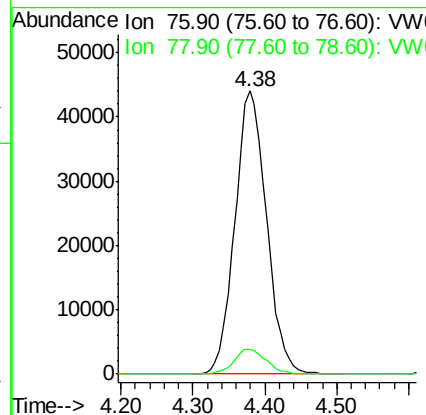
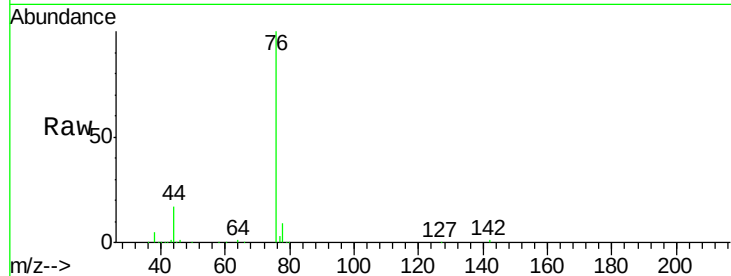
78 8.9 7.1 10.7

Manual Integrations

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8/13/2019 2:44:06 PM



#18

Methyl Acetate

Concen: 20.265 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW011818.D

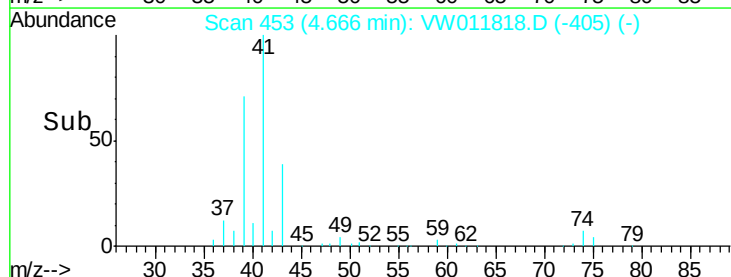
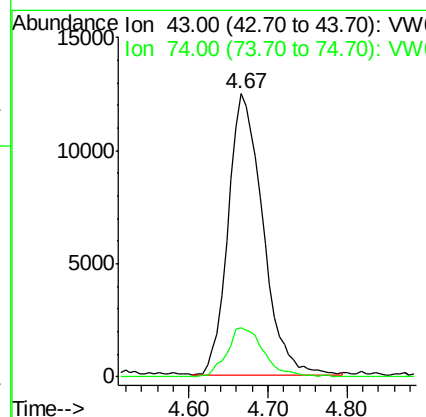
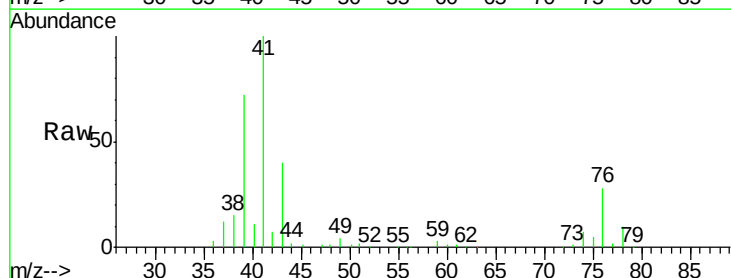
Acq: 09 Aug 2019 18:16

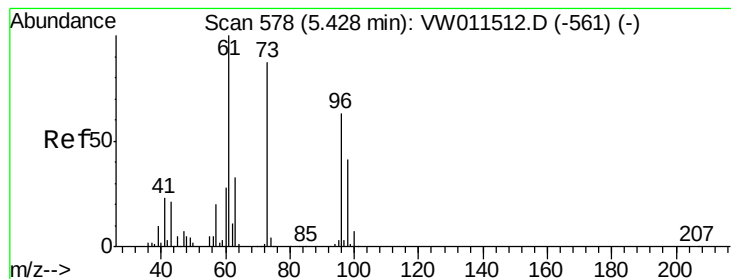
Tgt Ion: 43 Resp: 37970

Ion Ratio Lower Upper

43 100

74 18.5 15.9 23.9





#19

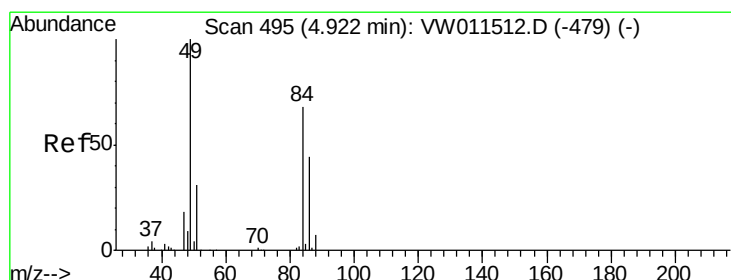
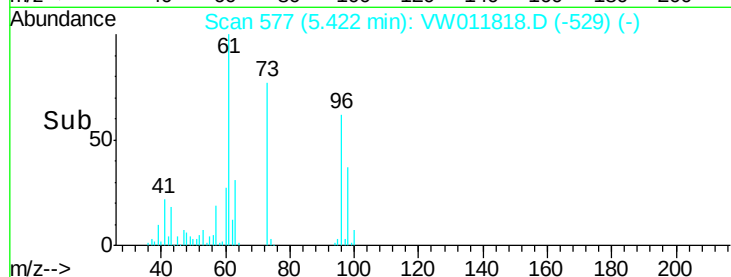
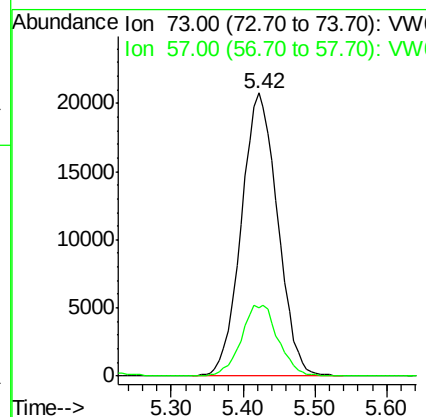
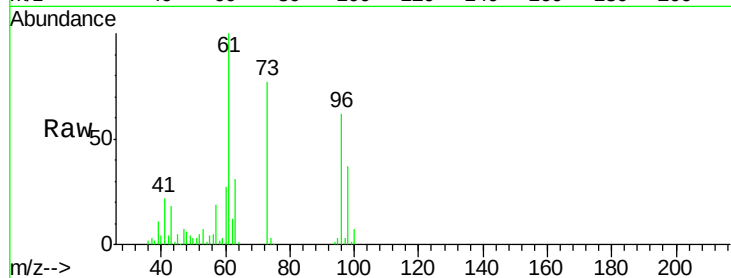
Methyl tert-butyl Ether
 Concen: 19.267 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW011818.D
 Acq: 09 Aug 2019 18:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.1	18.4	27.6

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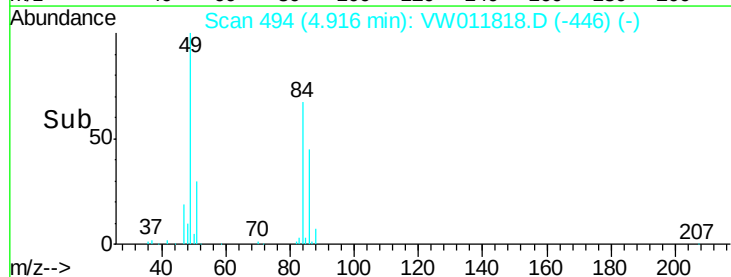
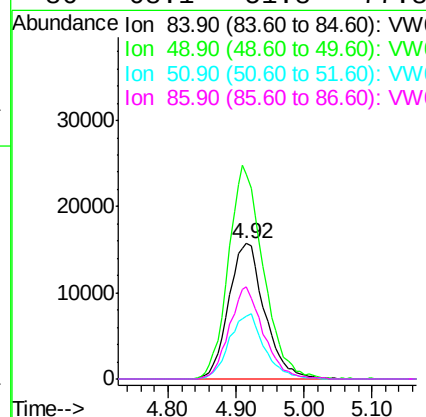
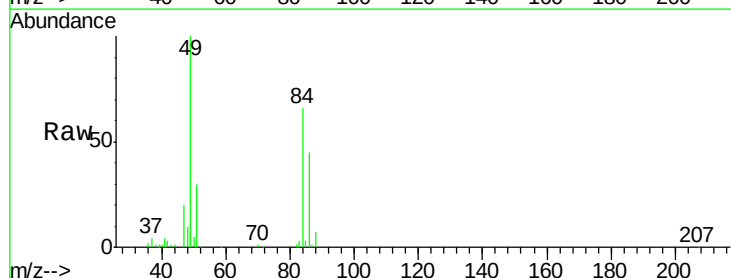
MMDadoda
 8/13/2019 2:44:06 PM

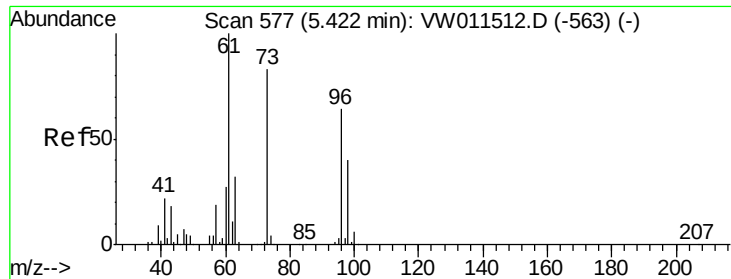


#20

Methylene Chloride
 Concen: 20.056 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. -0.01 min
 Lab File: VW011818.D
 Acq: 09 Aug 2019 18:16

Tgt Ion	Ratio	Lower	Upper
84	100		
49	151.3	117.8	176.6
51	45.9	37.0	55.4
86	68.1	51.8	77.8





#21

trans-1,2-Dichloroethene

Concen: 19.271 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW011818.D

Acq: 09 Aug 2019 18:16

Instrument :

MSVOA_W

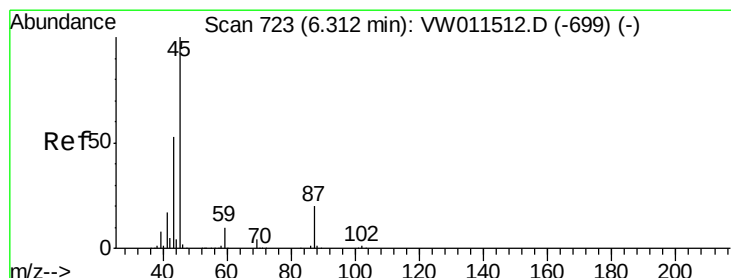
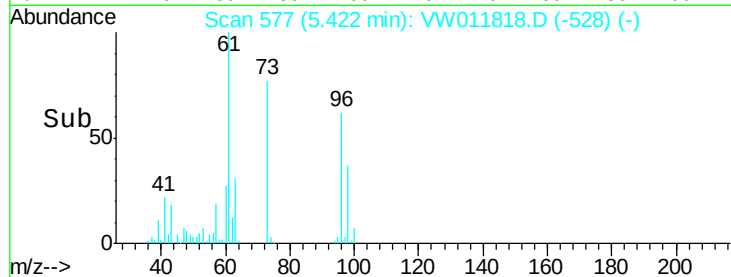
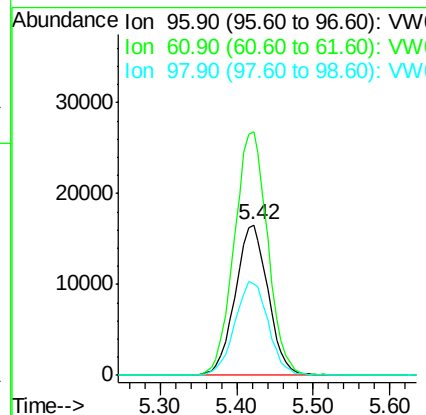
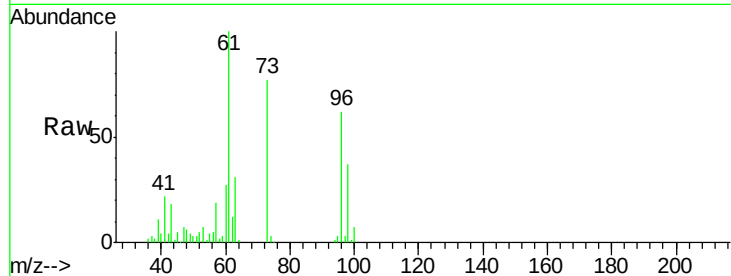
ClientSampleId :

VW0812SBS01

Tot Ion:	96	Resp:	49406
Ion	Ratio	Lower	Upper
96	100		
61	161.6	125.7	188.5
98	60.5	50.3	75.5

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.944 ug/l

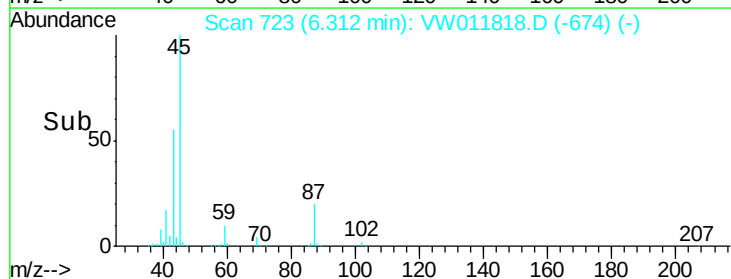
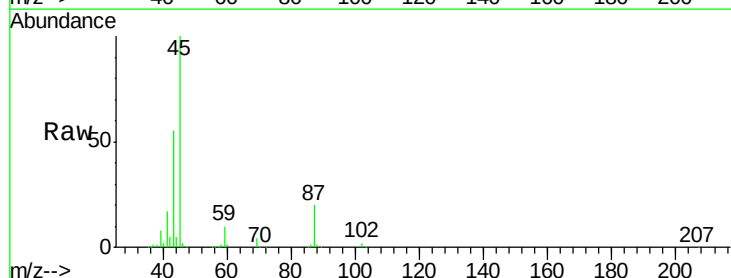
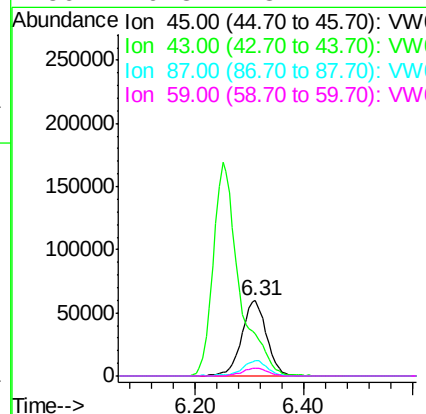
RT: 6.31 min Scan# 723

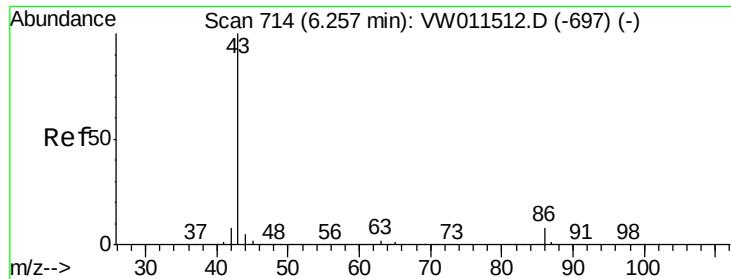
Delta R.T. 0.00 min

Lab File: VW011818.D

Acq: 09 Aug 2019 18:16

Tgt Ion:	45	Resp:	190185
Ion	Ratio	Lower	Upper
45	100		
43	54.8	42.6	63.8
87	20.4	16.4	24.6
59	10.3	8.2	12.2





#23

Vinyl Acetate

Concen: 93.034 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW011818.D

Acq: 09 Aug 2019 18:16

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBS01

Tot Ion: 43 Resp: 557451

Ion Ratio Lower Upper

43 100

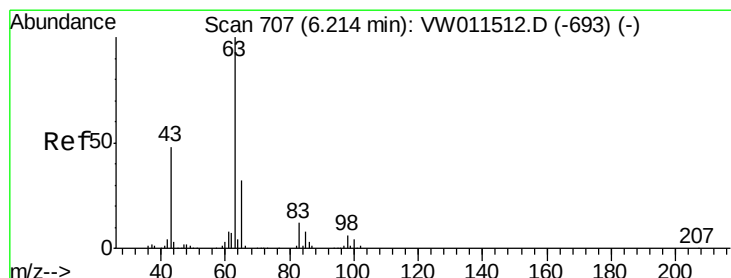
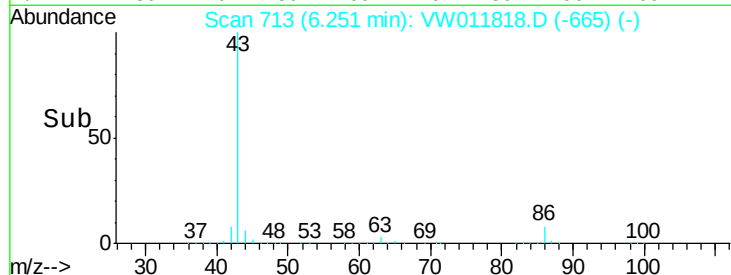
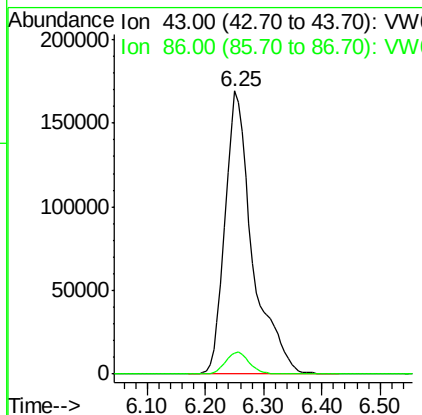
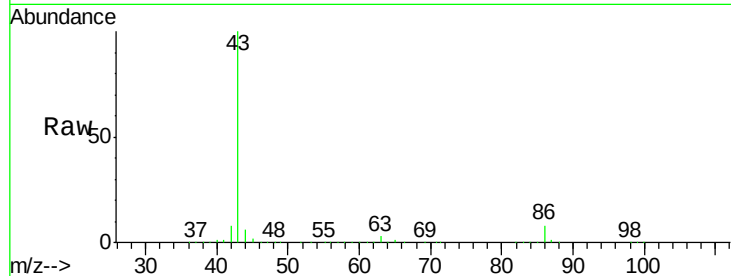
86 7.5 6.5 9.7

Manual Integrations

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MMDadoda

8/13/2019 2:44:06 PM



#24

1,1-Dichloroethane

Concen: 19.571 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW011818.D

Acq: 09 Aug 2019 18:16

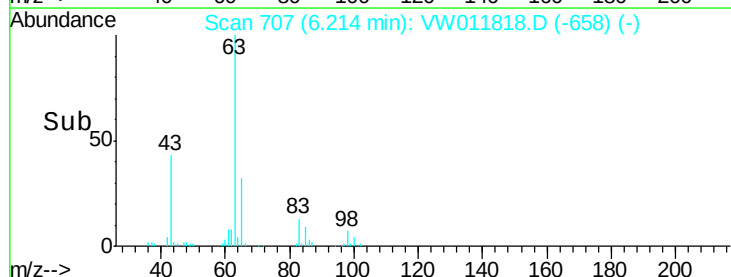
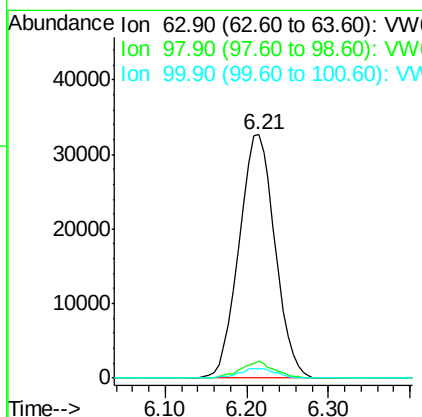
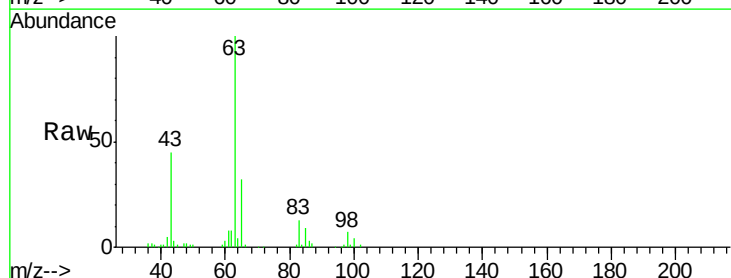
Tgt Ion: 63 Resp: 99950

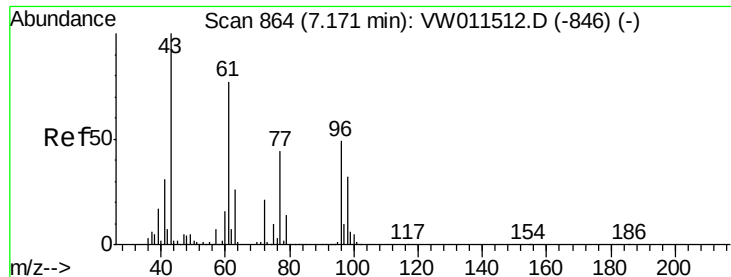
Ion Ratio Lower Upper

63 100

98 6.9 2.9 8.8

100 3.9 2.1 6.3





#25

2-Butanone

Concen: 79.832 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW011818.D

Acq: 09 Aug 2019 18:16

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBS01

Tot Ion: 43 Resp: 87125

Ion Ratio Lower Upper

43 100

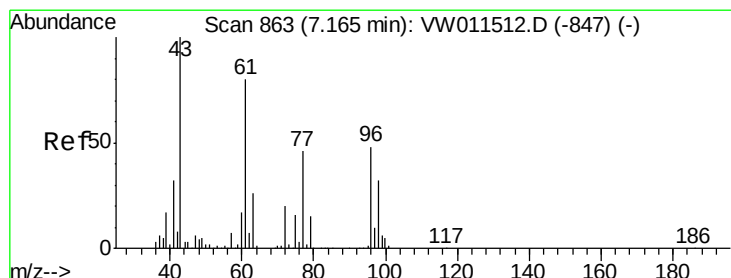
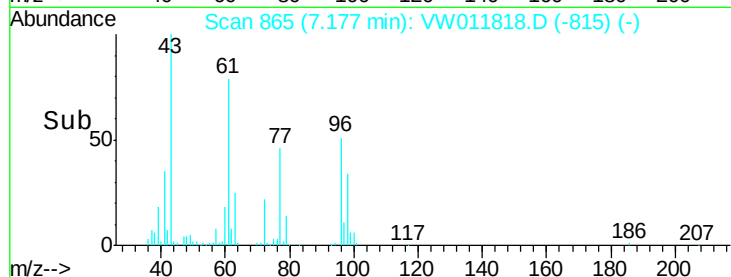
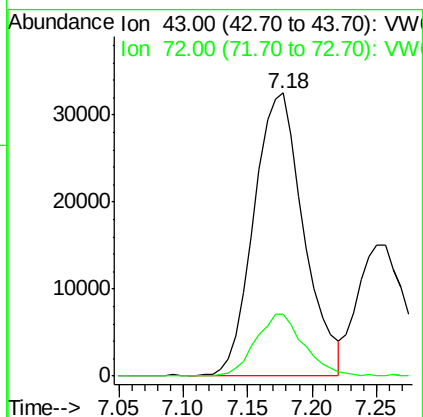
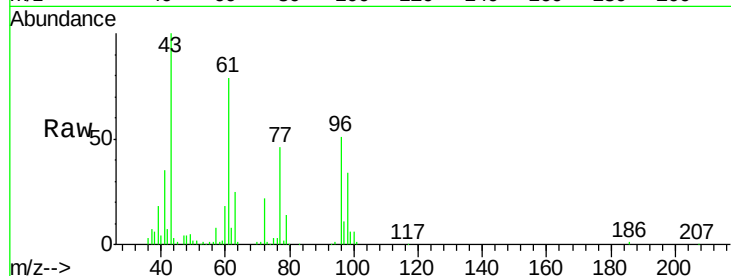
72 21.9 16.6 24.8

Manual Integrations

APPROVED

MMDadoda

8/13/2019 2:44:06 PM



#26

2,2-Dichloropropane

Concen: 17.438 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW011818.D

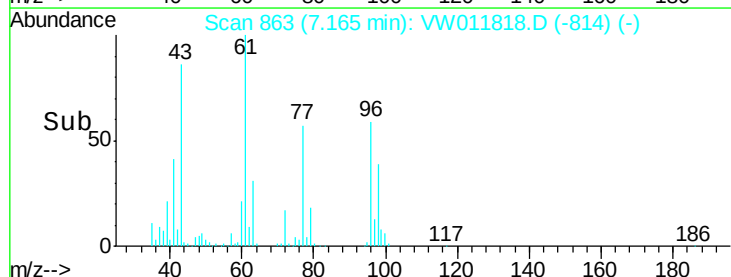
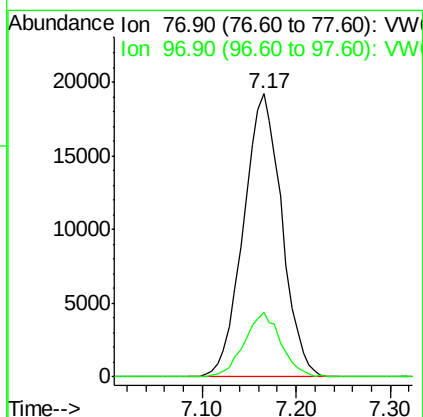
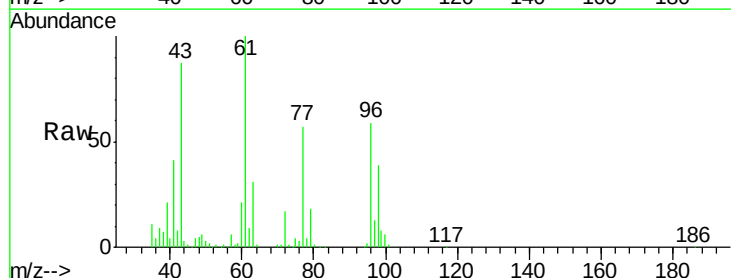
Acq: 09 Aug 2019 18:16

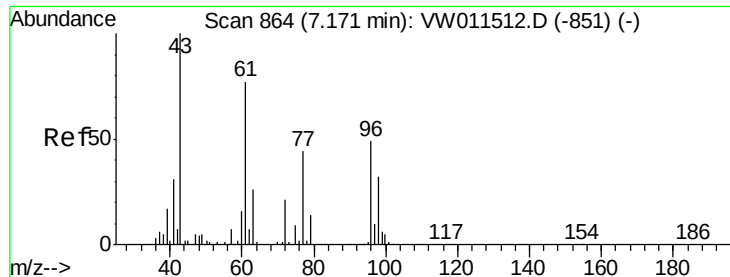
Tgt Ion: 77 Resp: 54768

Ion Ratio Lower Upper

77 100

97 21.7 10.8 32.4





#27

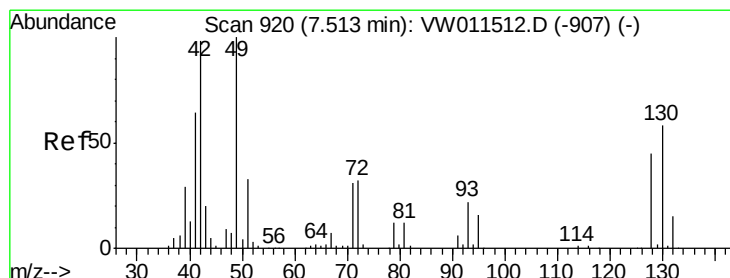
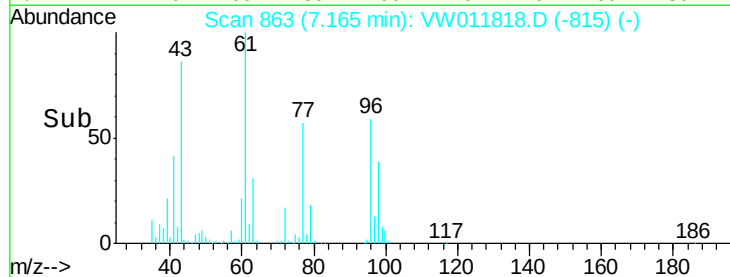
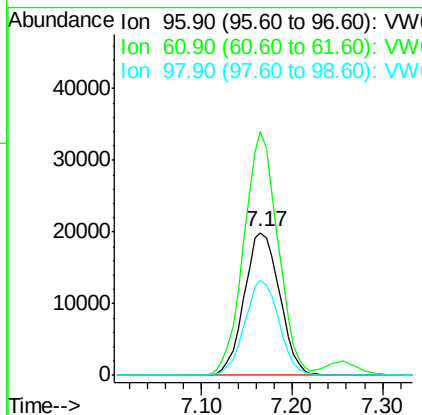
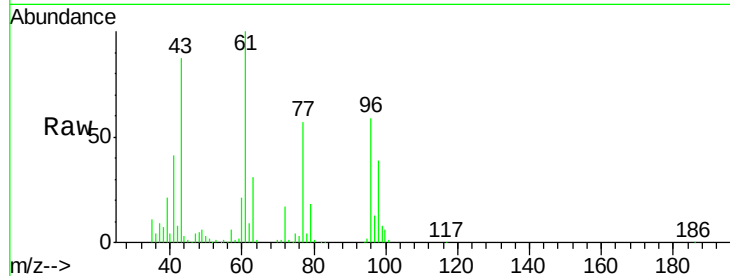
cis-1,2-Dichloroethene
Concen: 19.068 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW011818.D
Acq: 09 Aug 2019 18:16

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	164.2	0.0	328.4
98	64.5	0.0	128.8

Manual Integrations
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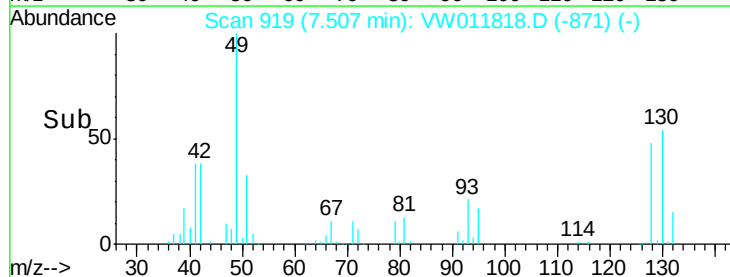
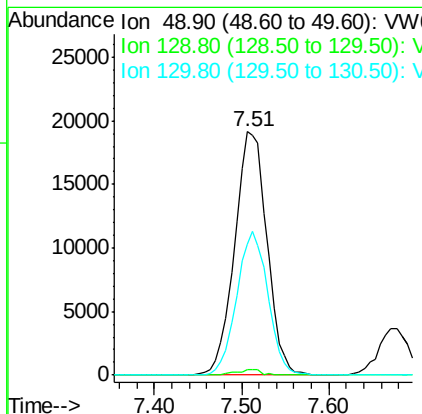
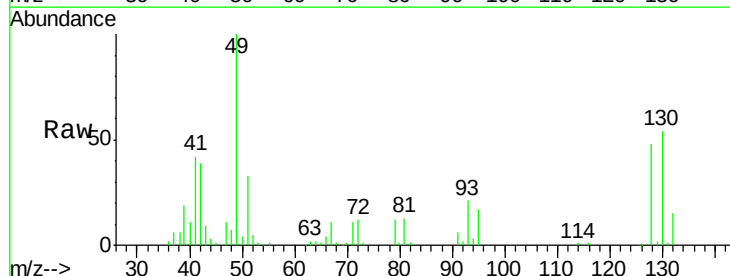
MMDadoda
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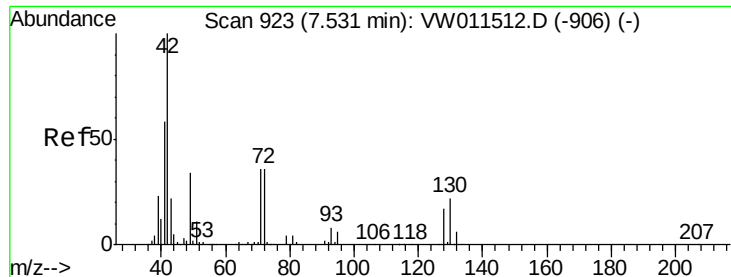


#28

Bromochloromethane
Concen: 21.671 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW011818.D
Acq: 09 Aug 2019 18:16

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	1.0#
130	56.9	46.3	69.5





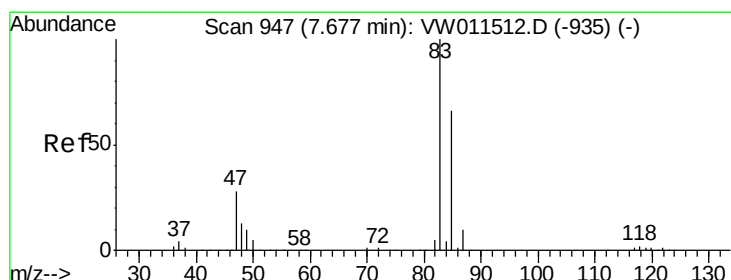
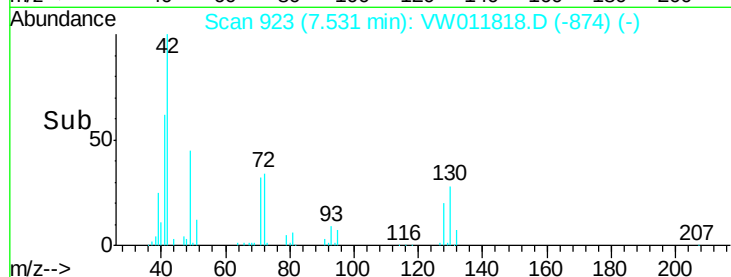
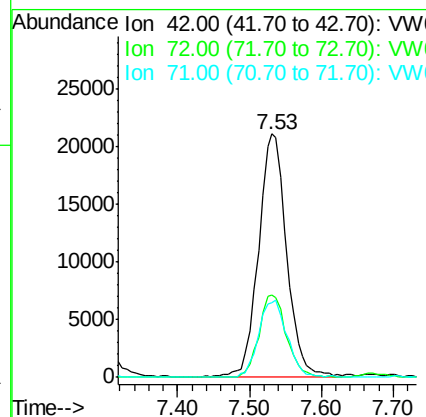
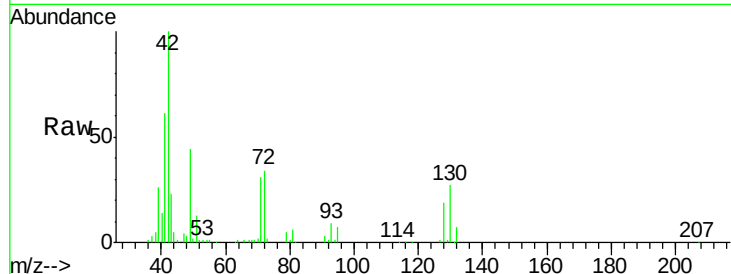
#29
Tetrahydrofuran
Concen: 91.309 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW011818.D
Acq: 09 Aug 2019 18:16

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.2	27.1	40.7
71	32.1	26.2	39.4

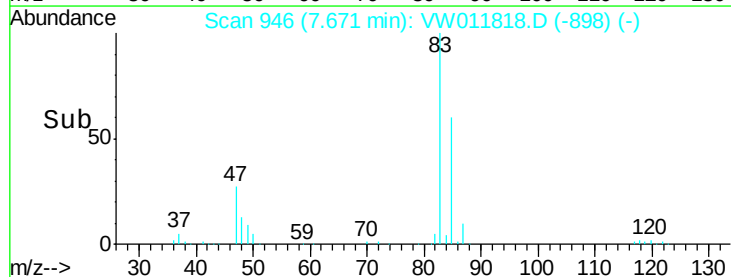
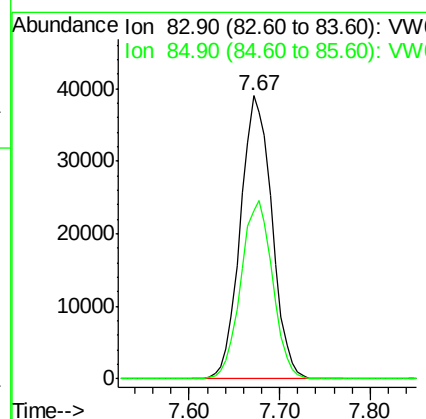
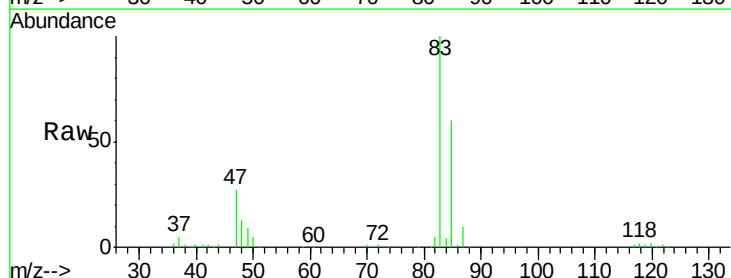
Manual Integrations
APPROVED

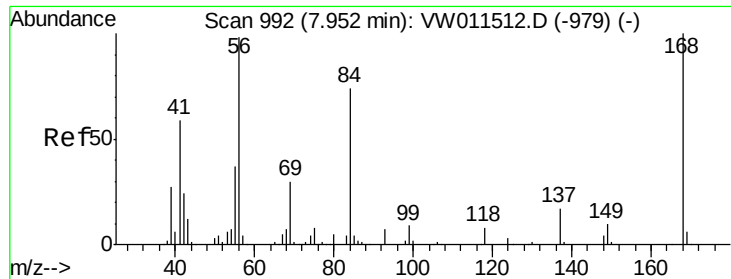
MMDadoda
8/13/2019 2:44:06 PM



#30
Chloroform
Concen: 19.951 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW011818.D
Acq: 09 Aug 2019 18:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.5	52.5	78.7





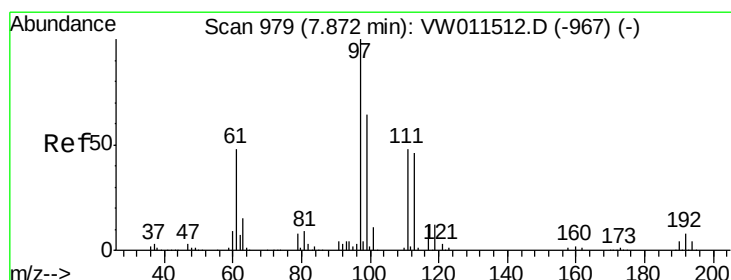
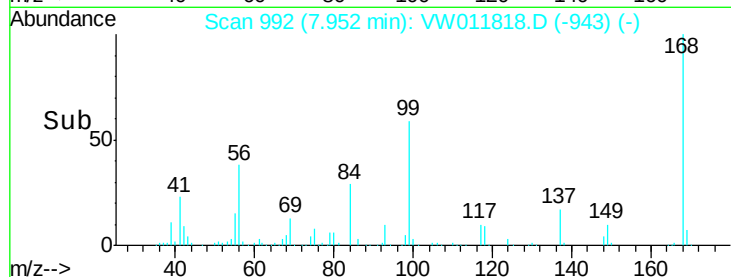
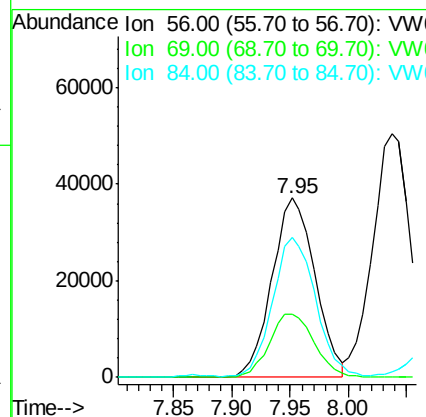
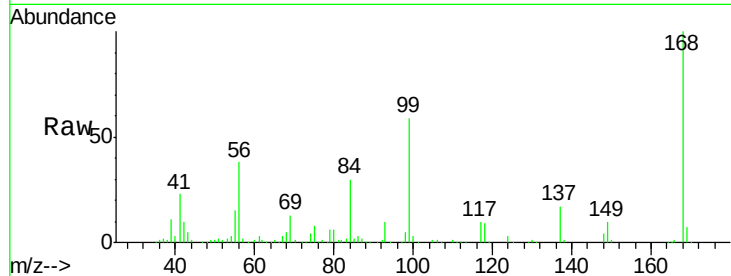
#31
Cyclohexane
Concen: 19.469 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW011818.D
Acq: 09 Aug 2019 18:16

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.3	24.3	36.5
84	76.4	60.4	90.6

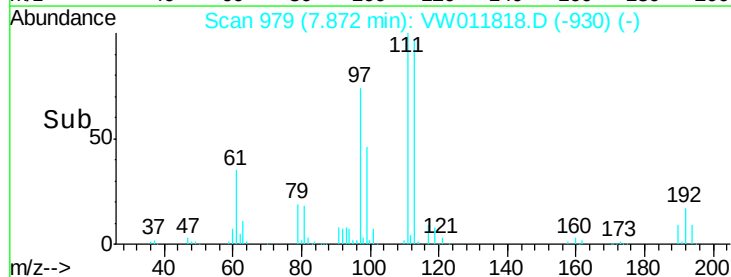
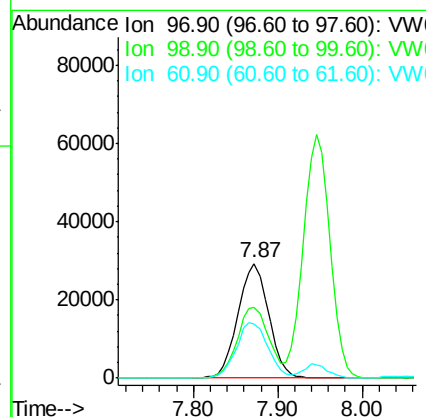
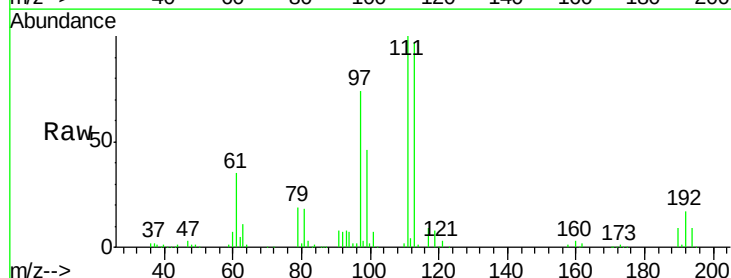
Manual Integrations
APPROVED

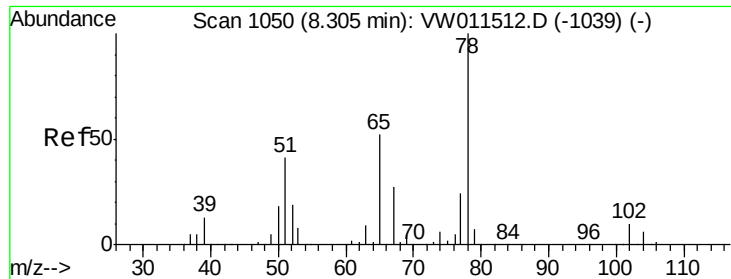
MMDadoda
8/13/2019 2:44:06 PM



#32
1,1,1-Trichloroethane
Concen: 20.163 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW011818.D
Acq: 09 Aug 2019 18:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.0	76.6
61	50.1	39.8	59.6





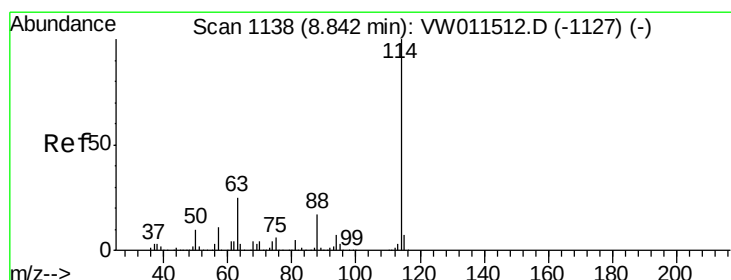
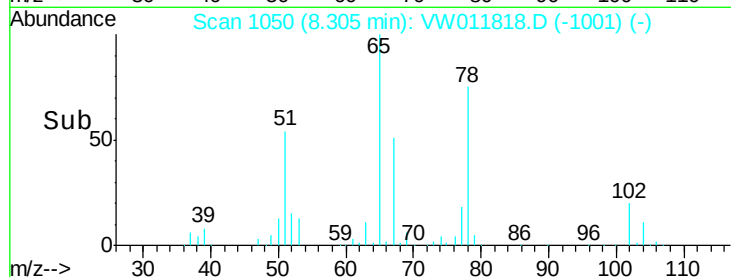
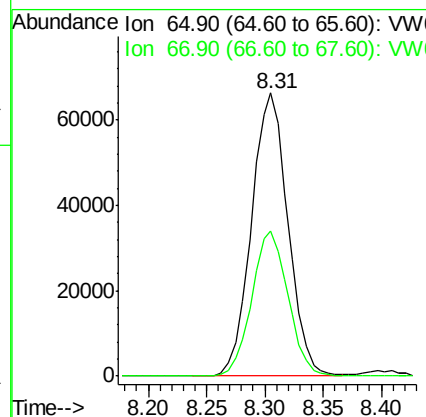
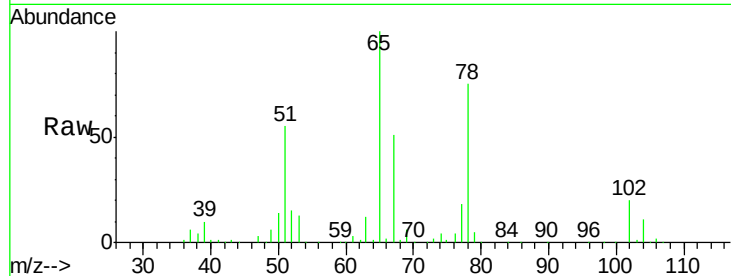
#33
 1,2-Dichloroethane-d4
 Concen: 55.223 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011818.D
 Acq: 09 Aug 2019 18:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	144790		
67	50.9	0.0	105.2	

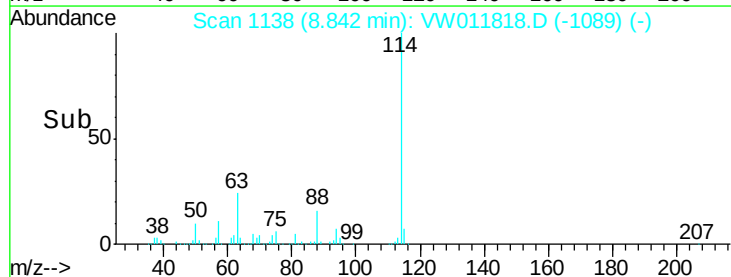
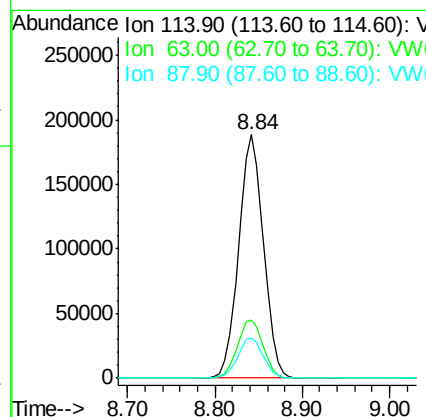
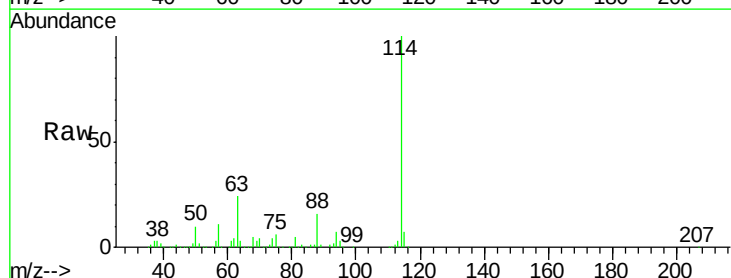
Manual Integrations
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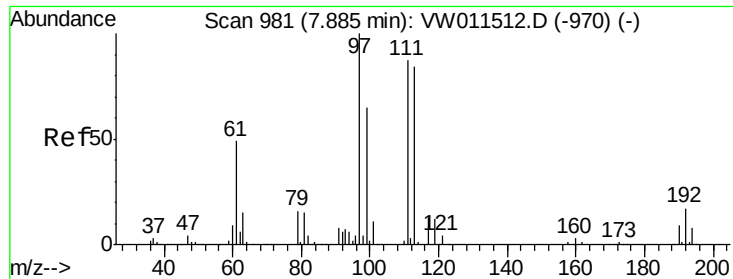
MMDadoda
 8/13/2019 2:44:06 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011818.D
 Acq: 09 Aug 2019 18:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	371062		
63	23.9	0.0	49.2	
88	16.4	0.0	33.8	





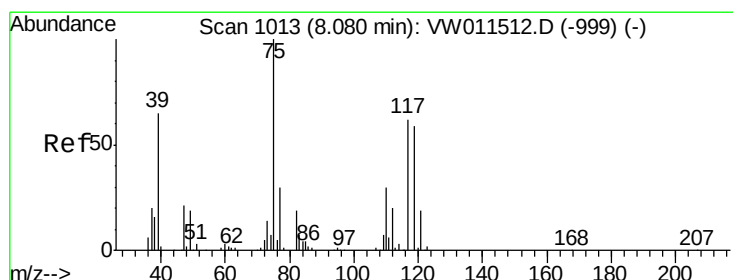
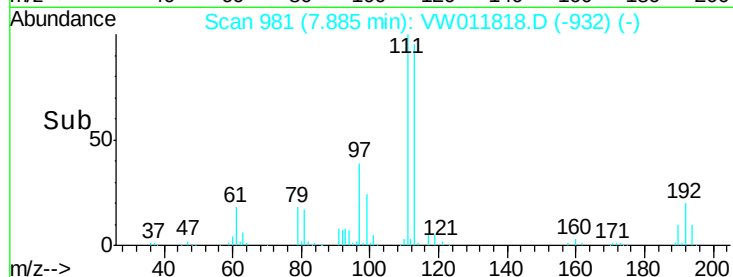
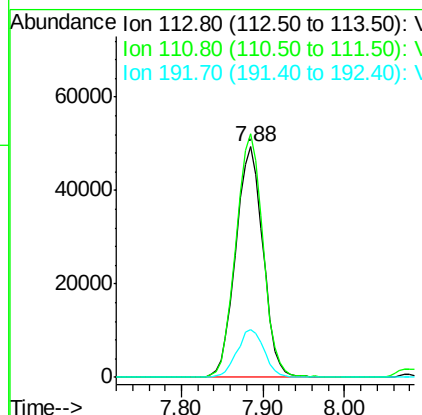
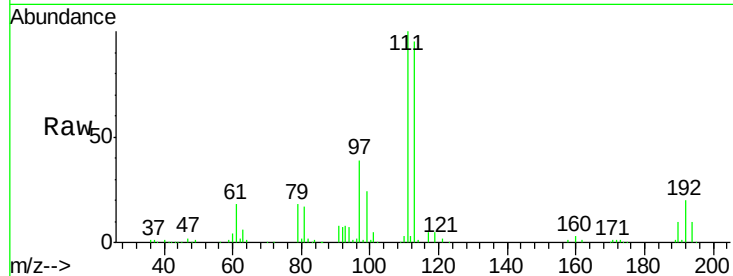
#35
 Dibromofluoromethane
 Concen: 54.575 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW011818.D
 Acq: 09 Aug 2019 18:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	104.7	82.7	124.1	
192	20.5	16.1	24.1	

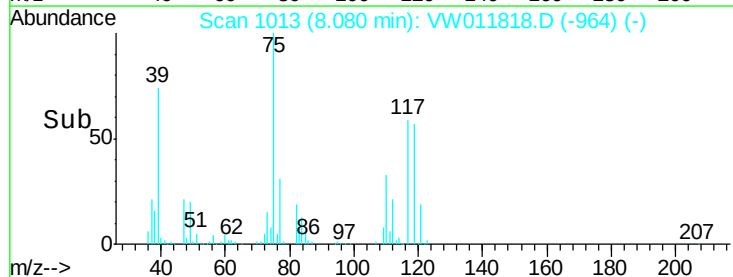
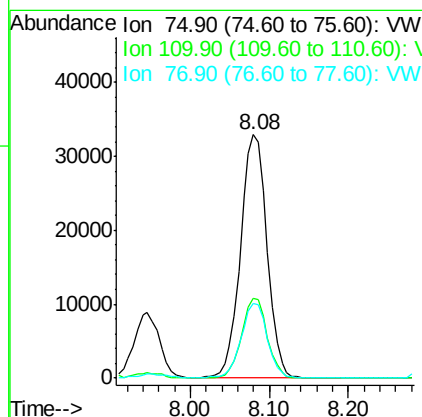
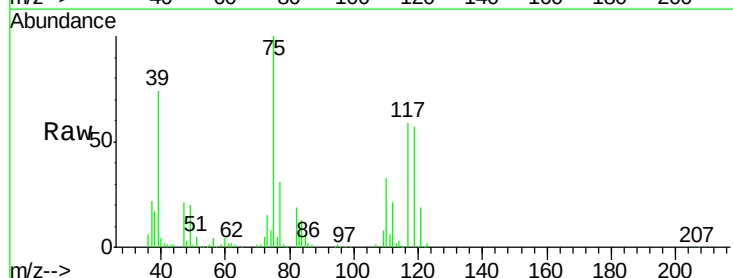
Manual Integrations
 APPROVED

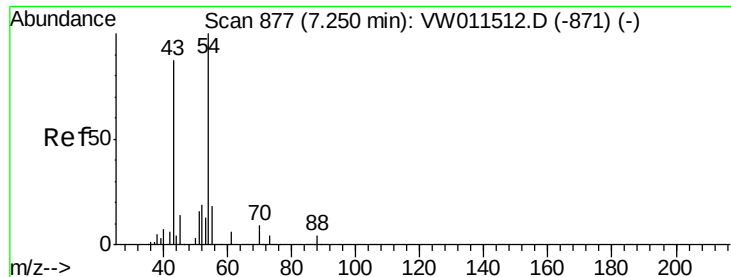
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 20.021 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW011818.D
 Acq: 09 Aug 2019 18:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	31.5	15.6	46.8	
77	30.4	24.3	36.5	





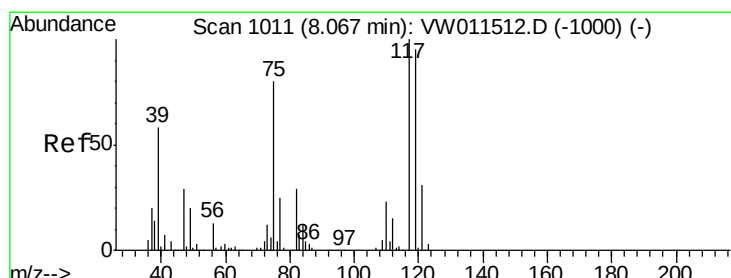
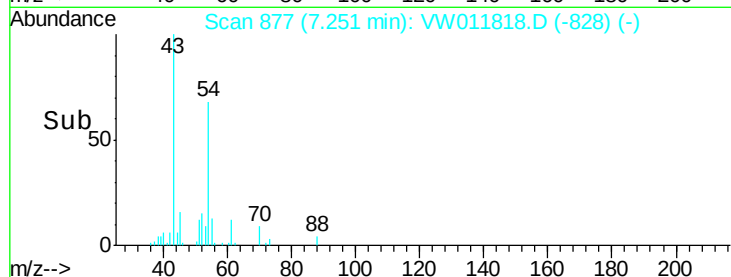
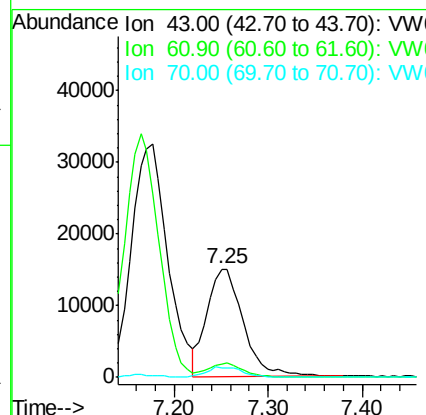
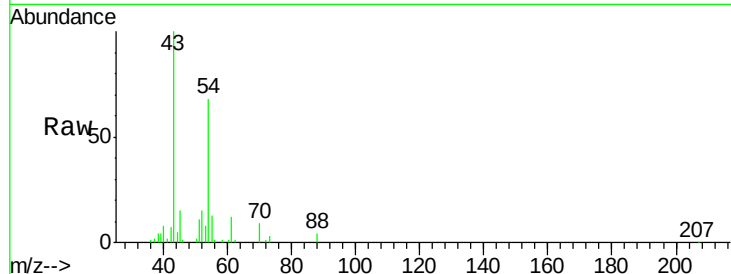
#37
Ethyl Acetate
Concen: 18.106 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW011818.D
Acq: 09 Aug 2019 18:16

Instrument :
MSVOA_W
ClientSampled :
VW0812SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.5	8.8	13.2
70	9.6	7.1	10.7

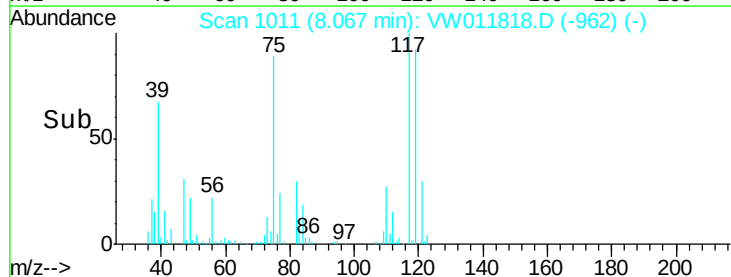
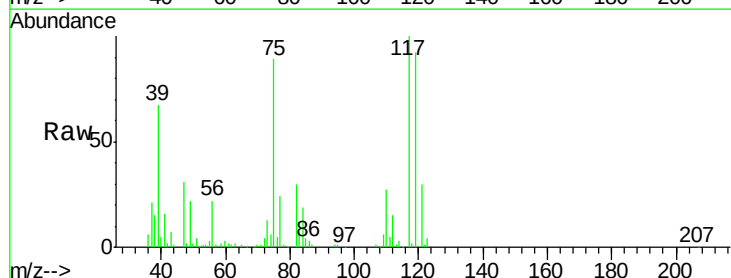
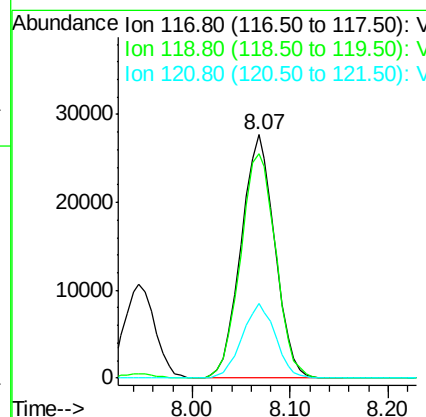
Manual Integrations
APPROVED

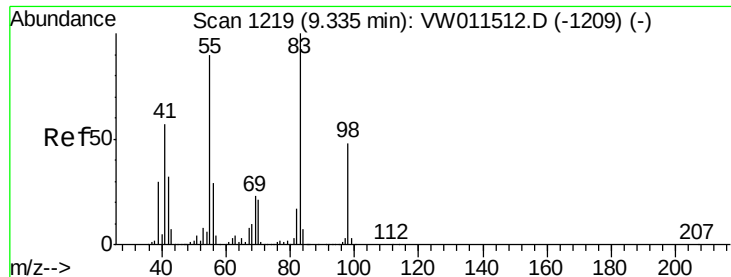
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#38
Carbon Tetrachloride
Concen: 20.125 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW011818.D
Acq: 09 Aug 2019 18:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.0	75.8	113.6
121	30.5	24.7	37.1





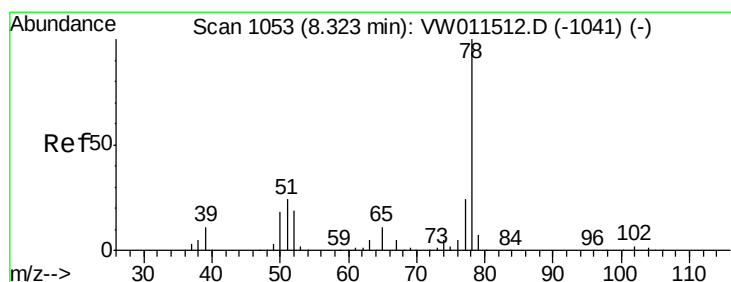
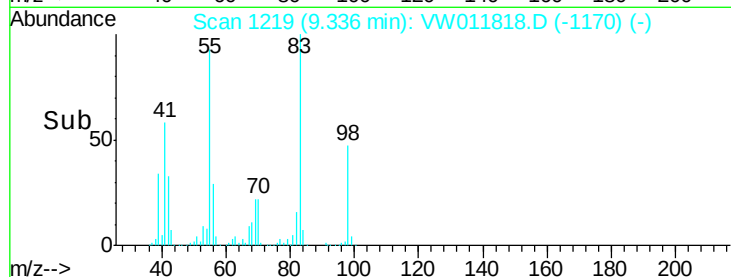
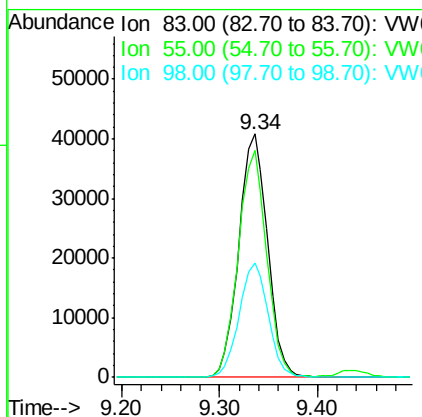
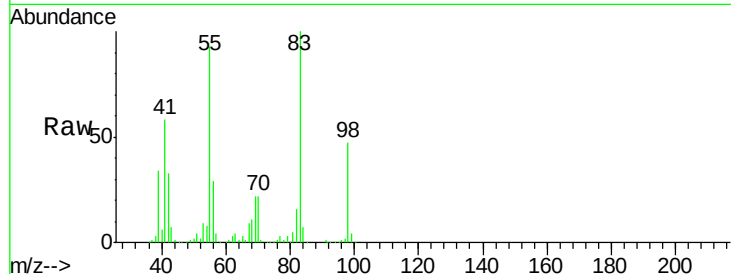
#39
Methylvlcyclohexane
Concen: 19.657 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW011818.D
Acq: 09 Aug 2019 18:16

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	93.0	72.1	108.1
98	47.1	38.6	57.8

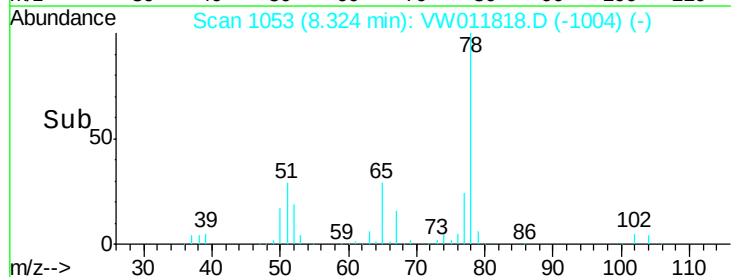
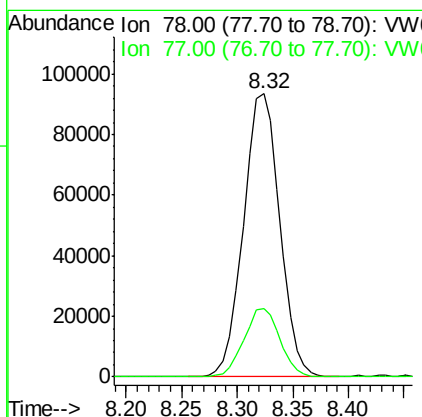
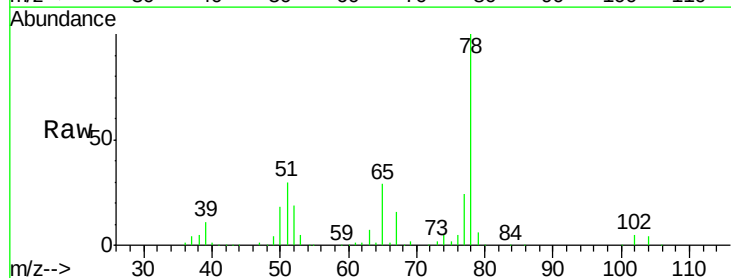
Manual Integrations
APPROVED

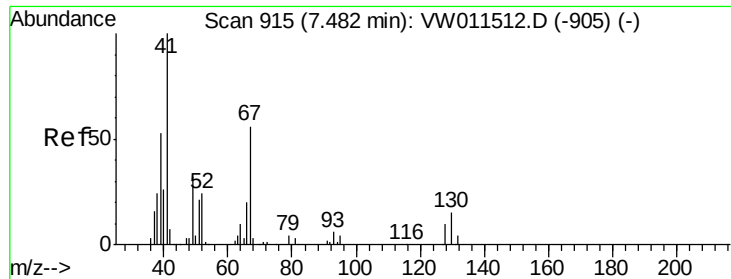
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8/13/2019 2:44:06 PM



#40
Benzene
Concen: 19.602 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW011818.D
Acq: 09 Aug 2019 18:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.4	29.0





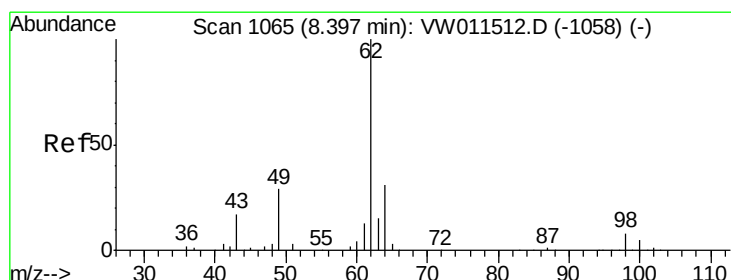
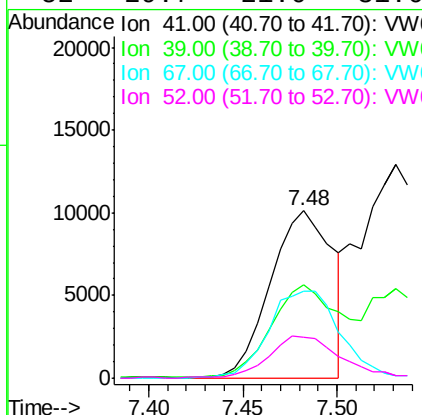
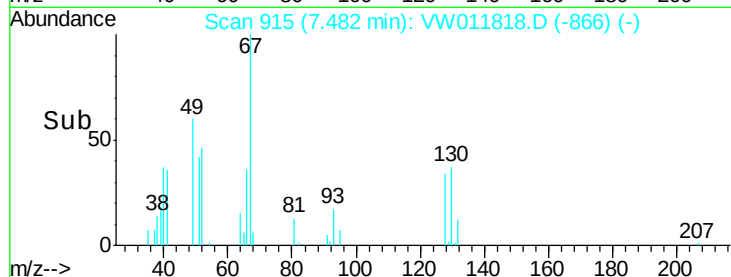
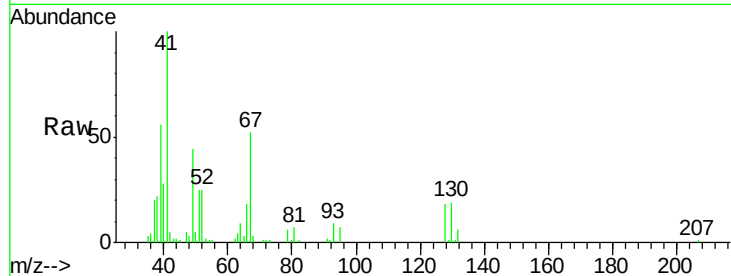
#41
Methacrylonitrile
Concen: 17.568 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW011818.D
Acq: 09 Aug 2019 18:16

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		23312		
39	64.5	43.0	64.4#		
67	60.8	47.5	71.3		
52	29.7	21.0	31.6		

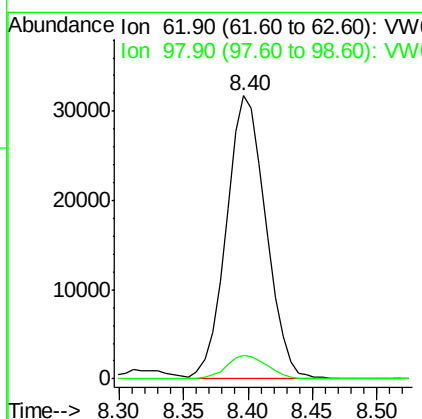
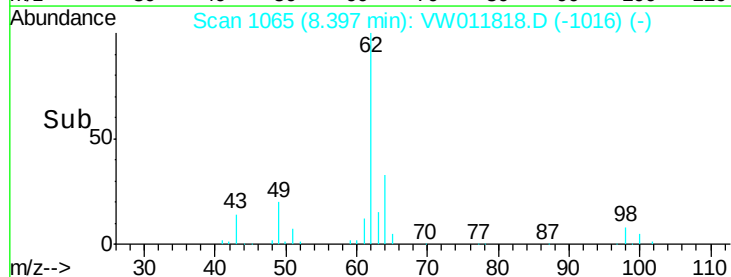
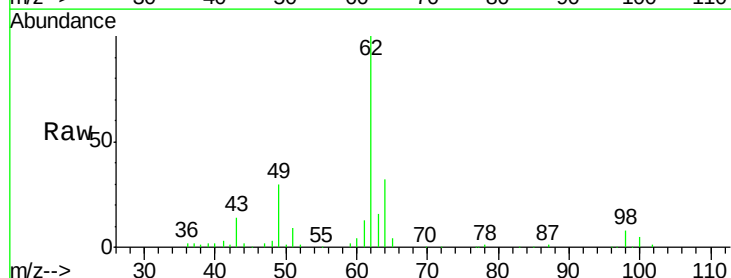
Manual Integrations
APPROVED

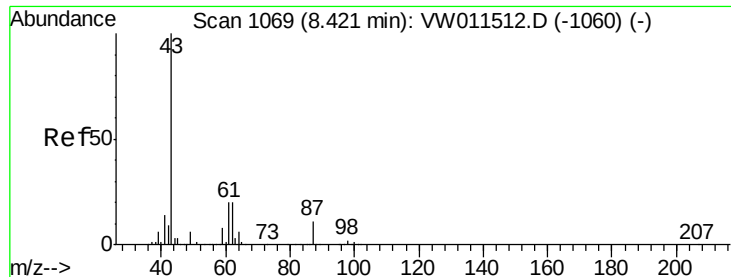
MMDadoda
8/13/2019 2:44:06 PM



#42
1,2-Dichloroethane
Concen: 19.940 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW011818.D
Acq: 09 Aug 2019 18:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		67470		
98	8.6	0.0	16.8		





#43

Isopropyl Acetate

Concen: 18.378 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW011818.D

Acq: 09 Aug 2019 18:16

Instrument :

MSVOA_W

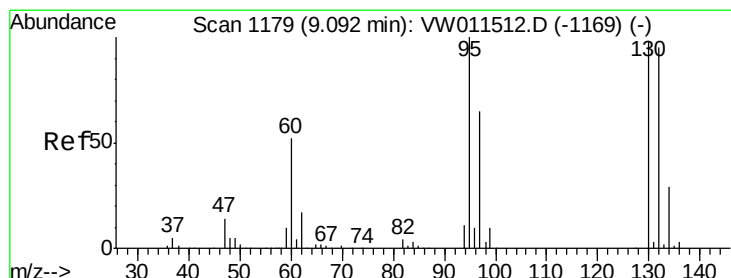
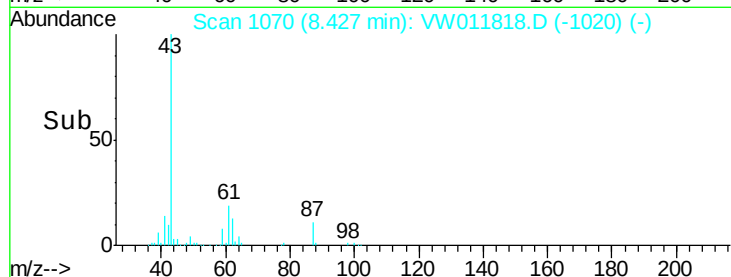
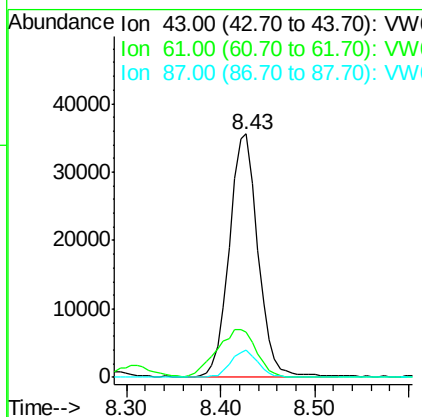
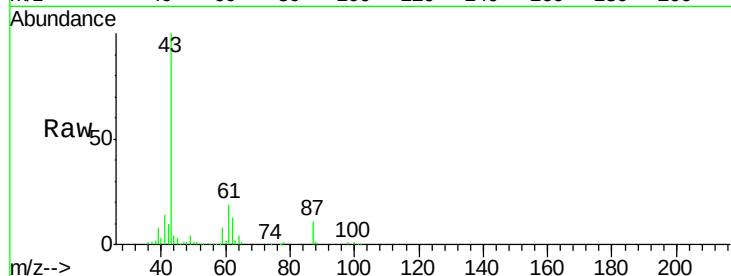
ClientSampleId :

VW0812SBS01

Tot Ion:	43	Resp:	75028
Ion	Ratio	Lower	Upper
43	100		
61	27.6	21.5	32.3
87	10.7	8.4	12.6

Manual Integrations
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8/13/2019 2:44:06 PM



#44

Trichloroethene

Concen: 19.647 ug/l

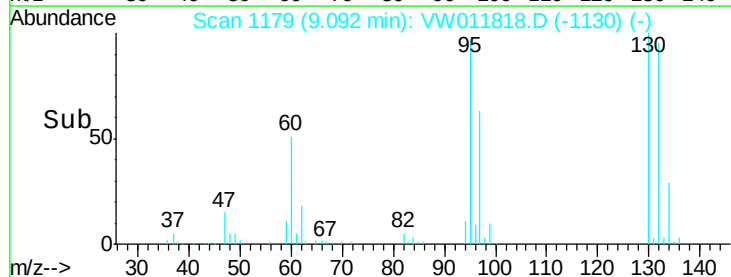
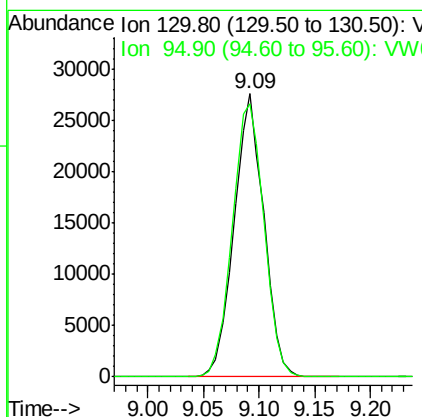
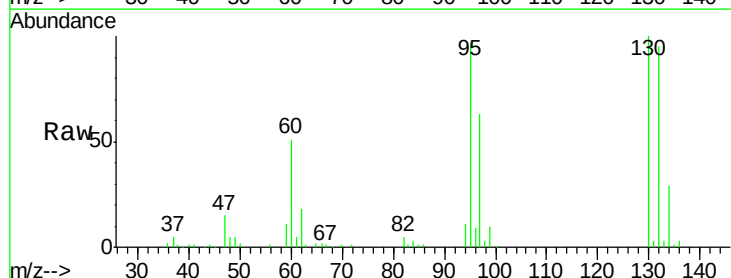
RT: 9.09 min Scan# 1179

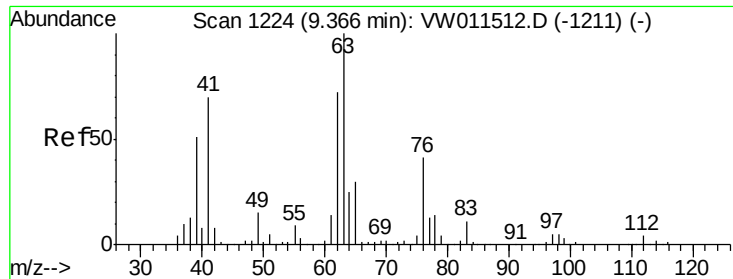
Delta R.T. 0.00 min

Lab File: VW011818.D

Acq: 09 Aug 2019 18:16

Tgt Ion:	130	Resp:	51033
Ion	Ratio	Lower	Upper
130	100		
95	96.6	0.0	204.8





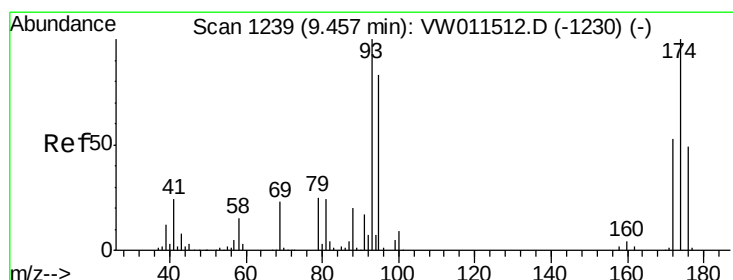
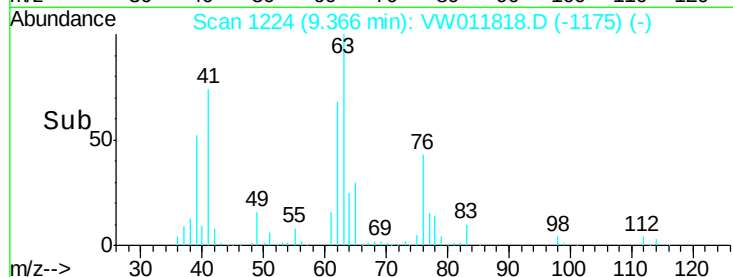
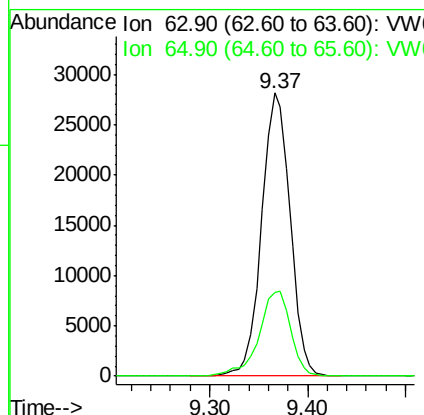
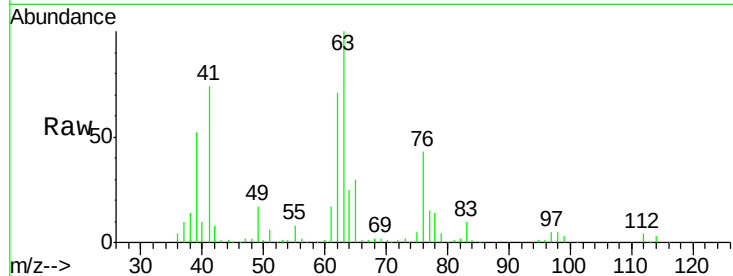
#45
 1,2-Dichloropropane
 Concen: 19.693 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW011818.D
 Acq: 09 Aug 2019 18:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBS01

Tot Ion: 63 Resp: 56948
 Ion Ratio Lower Upper
 63 100
 65 29.7 24.2 36.4

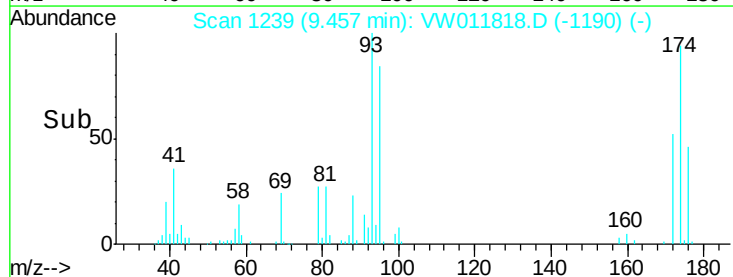
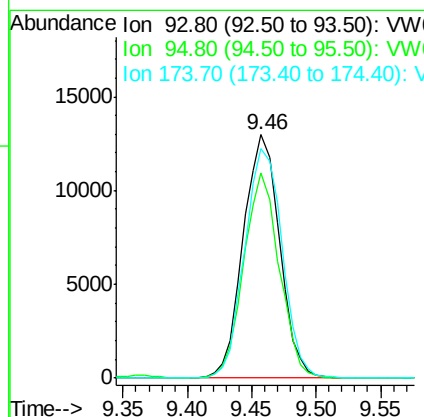
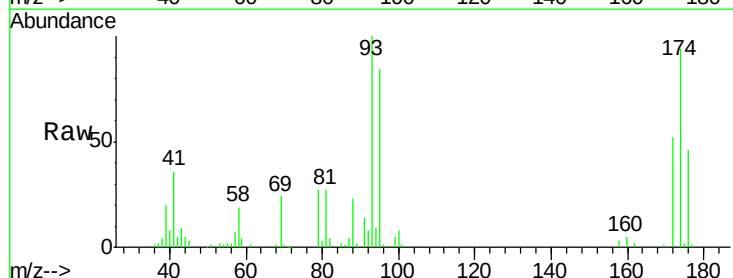
Manual Integrations
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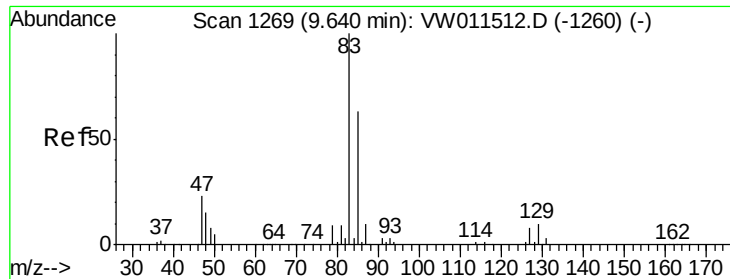
MMDadoda
 8/13/2019 2:44:06 PM



#46
 Dibromomethane
 Concen: 19.242 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW011818.D
 Acq: 09 Aug 2019 18:16

Tgt Ion: 93 Resp: 25397
 Ion Ratio Lower Upper
 93 100
 95 82.1 66.2 99.2
 174 97.4 78.2 117.4





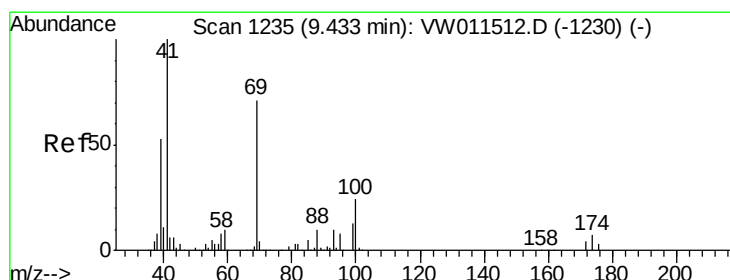
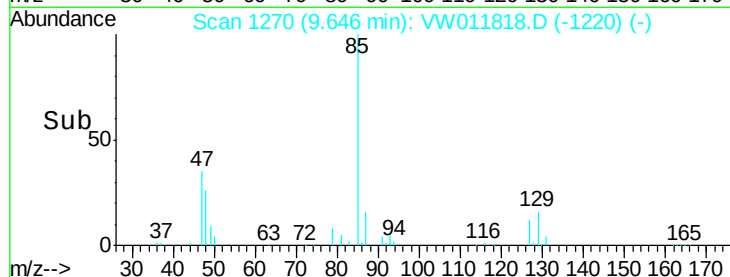
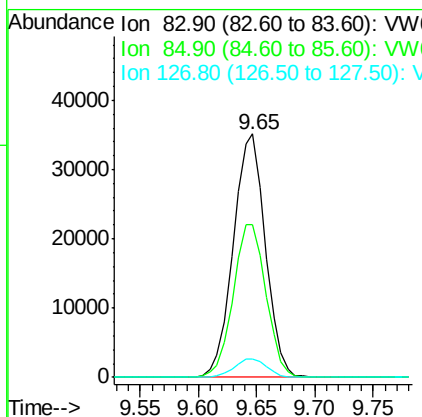
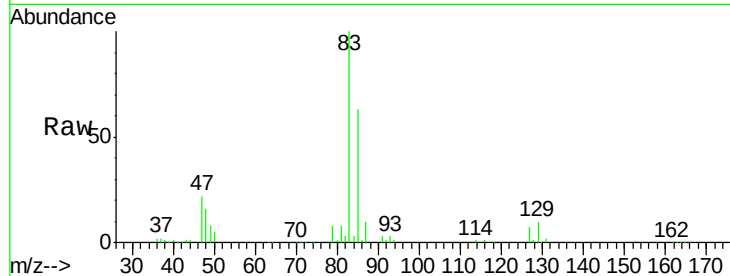
#47
Bromodichloromethane
Concen: 19.468 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW011818.D
Acq: 09 Aug 2019 18:16

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	67400		
85	62.6	50.5	75.7	
127	7.5	6.4	9.6	

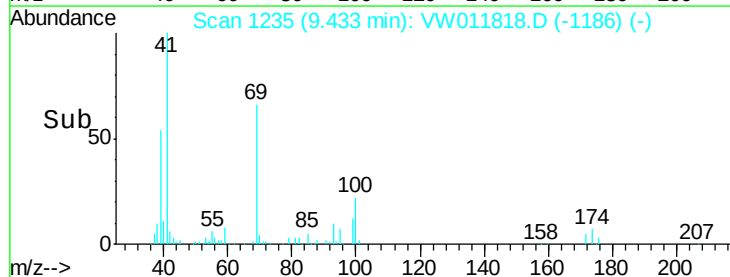
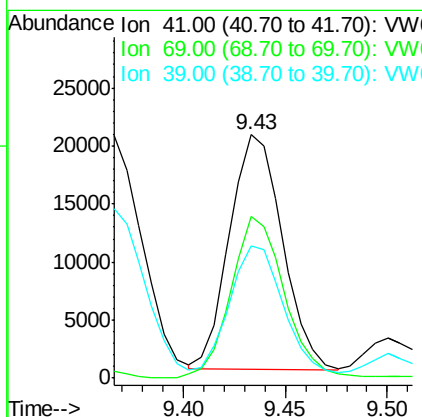
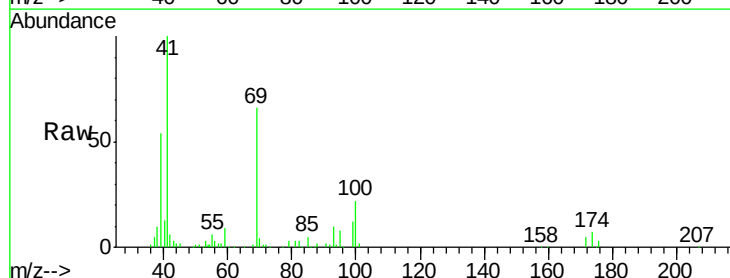
Manual Integrations
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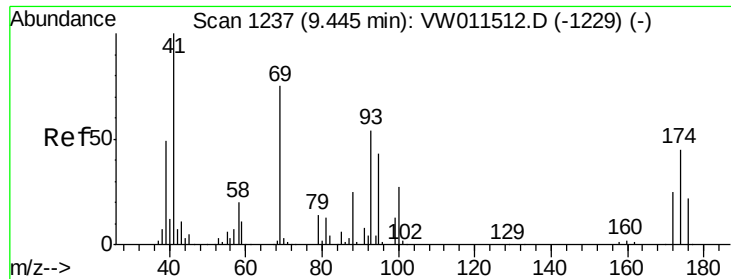
MMDadoda
8/13/2019 2:44:06 PM



#48
Methyl methacrylate
Concen: 18.544 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW011818.D
Acq: 09 Aug 2019 18:16

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	36366		
69	70.6	57.1	85.7	
39	58.9	45.4	68.2	





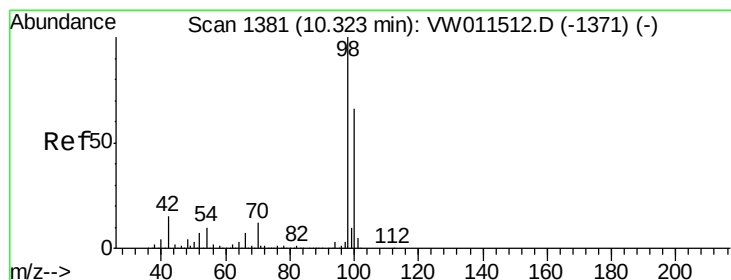
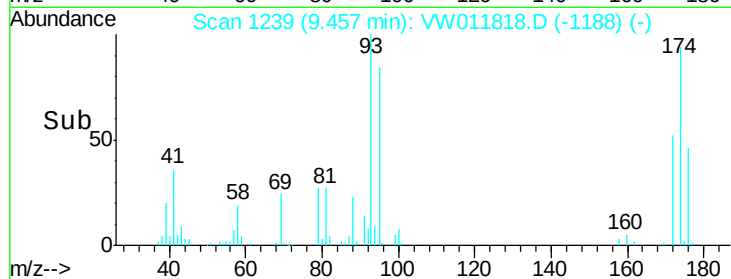
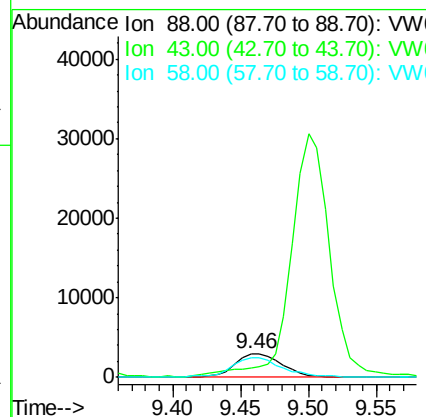
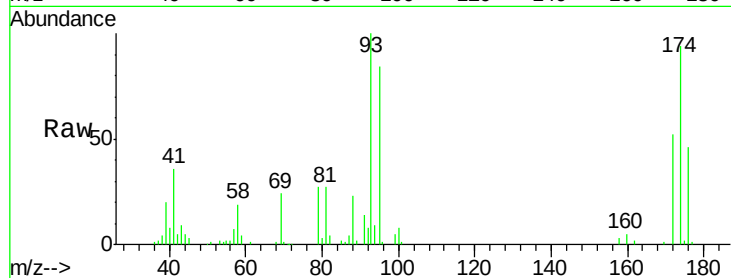
#49
1,4-Dioxane
Concen: 376.653 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW011818.D
Acq: 09 Aug 2019 18:16

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	34.0	51.0#
58	92.7	69.7	104.5

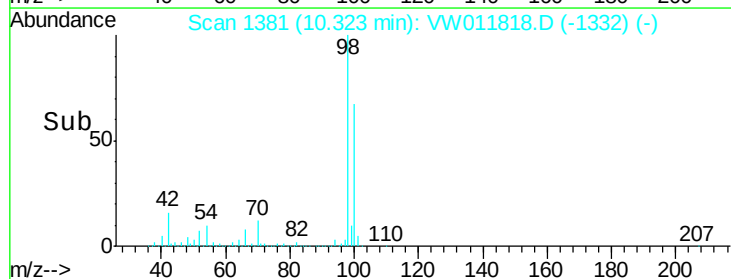
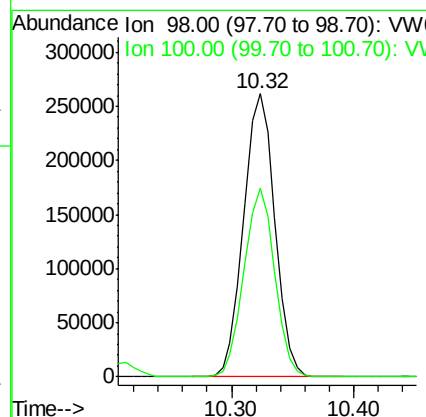
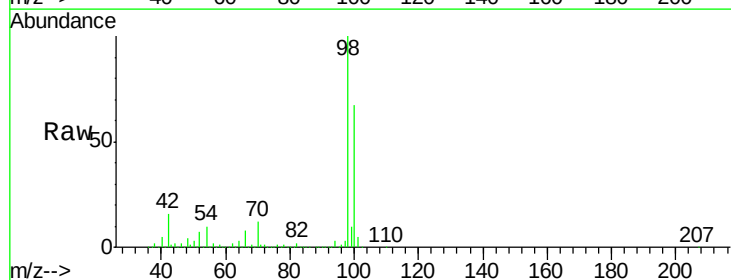
Manual Integrations
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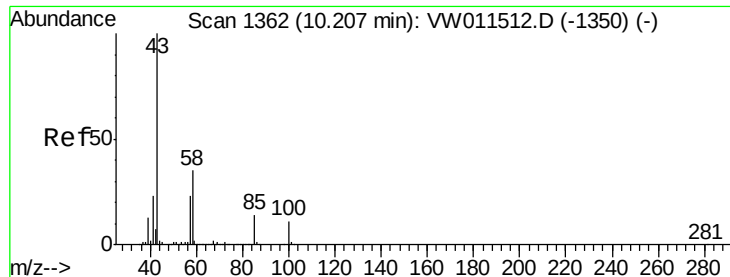
MMDadoda
8/13/2019 2:44:06 PM



#50
Toluene-d8
Concen: 54.432 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011818.D
Acq: 09 Aug 2019 18:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.7	79.1





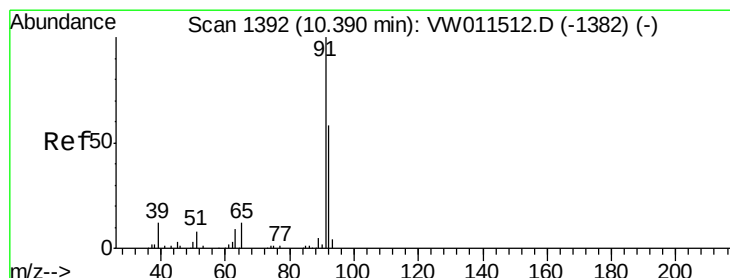
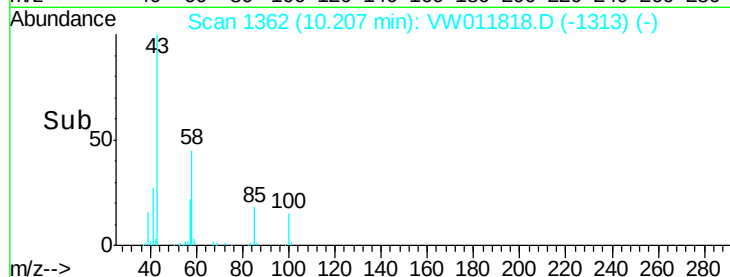
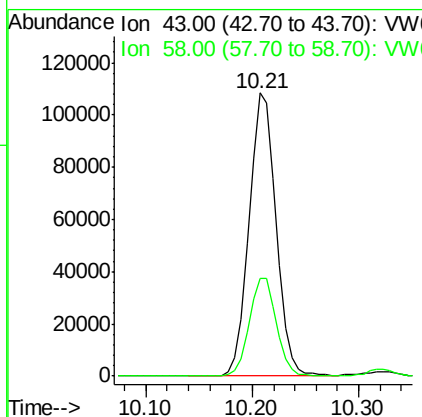
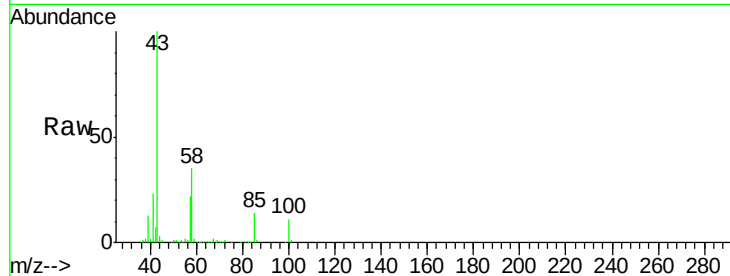
#51
4-Methyl-2-Pentanone
Concen: 91.287 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW011818.D
Acq: 09 Aug 2019 18:16

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	34.8	28.2	42.2

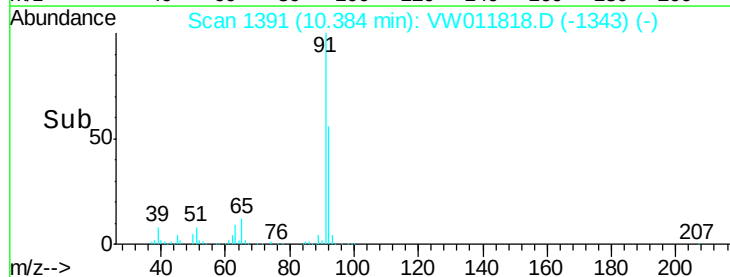
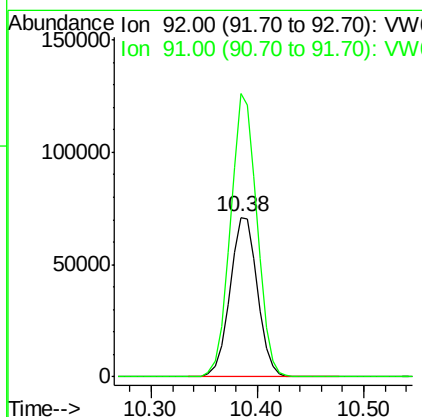
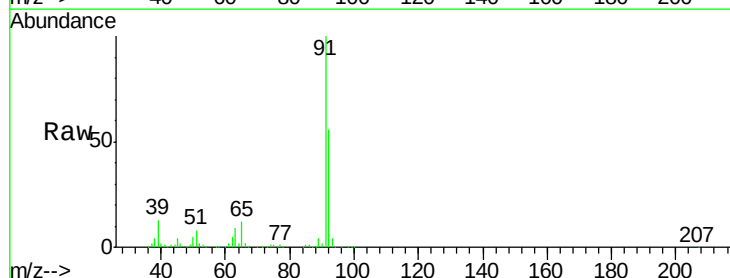
Manual Integrations
APPROVED

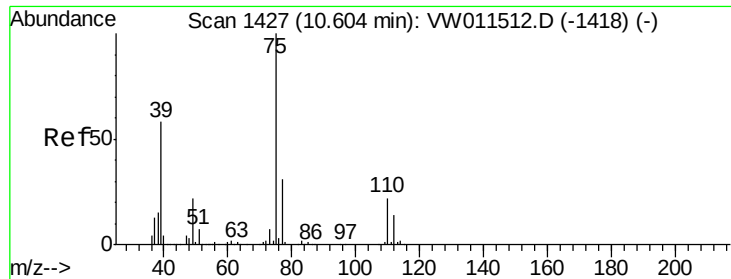
MMDadoda
8/13/2019 2:44:06 PM



#52
Toluene
Concen: 19.650 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VW011818.D
Acq: 09 Aug 2019 18:16

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.8	136.7	205.1





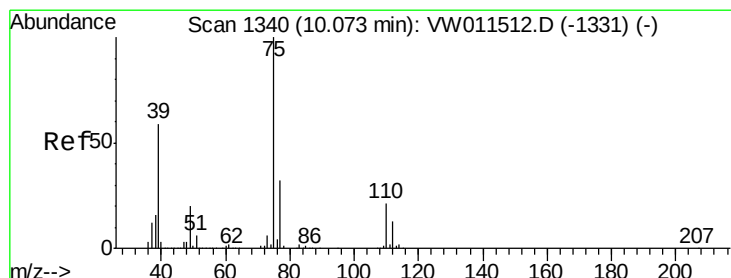
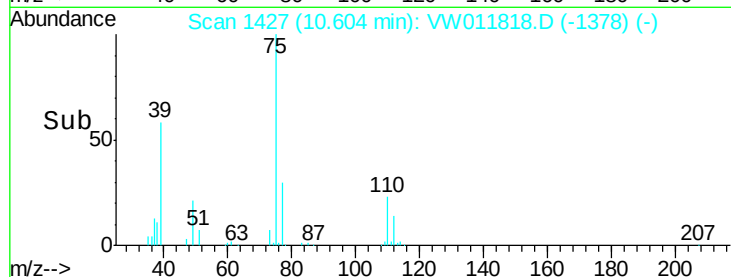
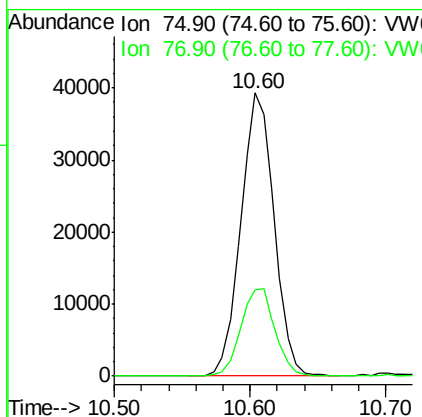
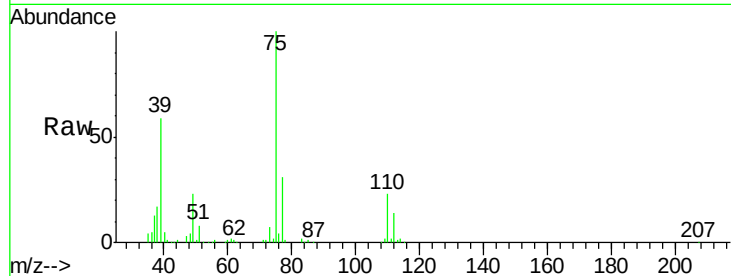
#53
 t-1,3-Dichloropropene
 Concen: 18.509 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW011818.D
 Acq: 09 Aug 2019 18:16

Instrument :
 MSVOA_W
 ClientSampled :
 VW0812SBS01

Tot Ion: 75 Resp: 66938
 Ion Ratio Lower Upper
 75 100
 77 30.4 25.0 37.4

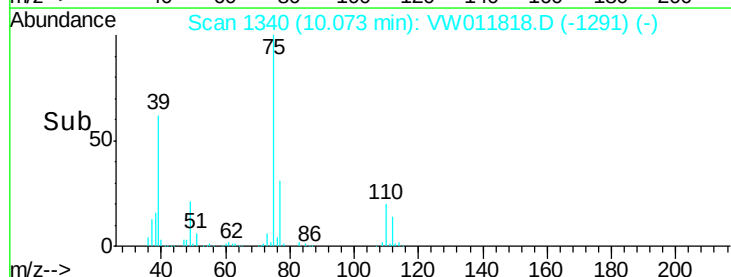
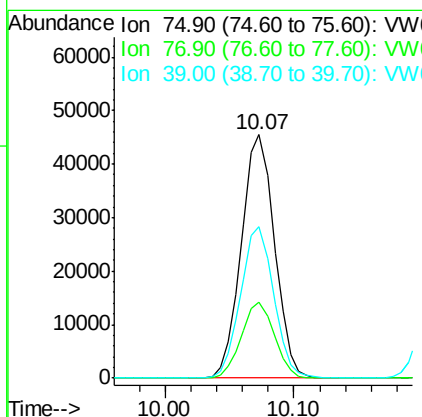
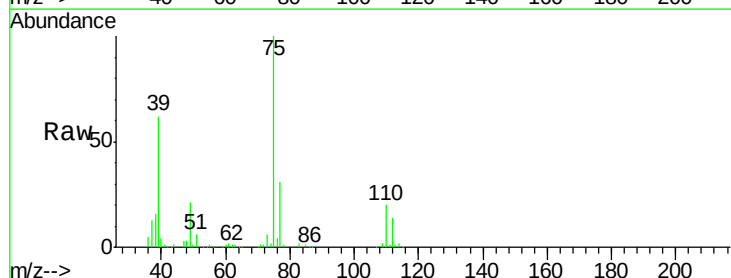
Manual Integrations
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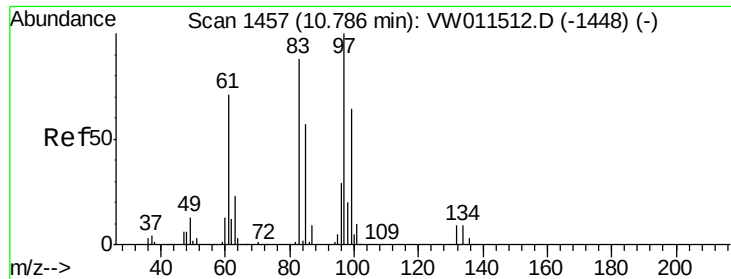
MMDadoda
 8/13/2019 2:44:06 PM



#54
 cis-1,3-Dichloropropene
 Concen: 18.855 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW011818.D
 Acq: 09 Aug 2019 18:16

Tgt Ion: 75 Resp: 81080
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.6 38.4
 39 62.2 47.0 70.4





#55

1,1,2-Trichloroethane

Concen: 19.181 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW011818.D

Acq: 09 Aug 2019 18:16

Instrument :

MSVOA_W

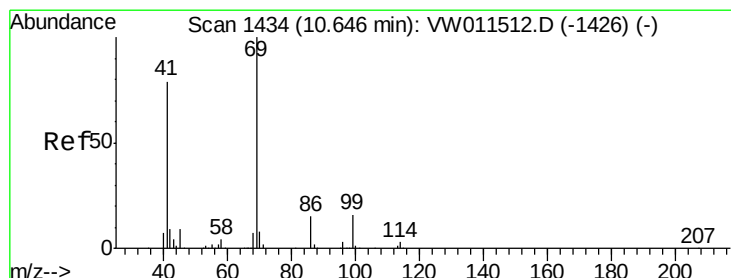
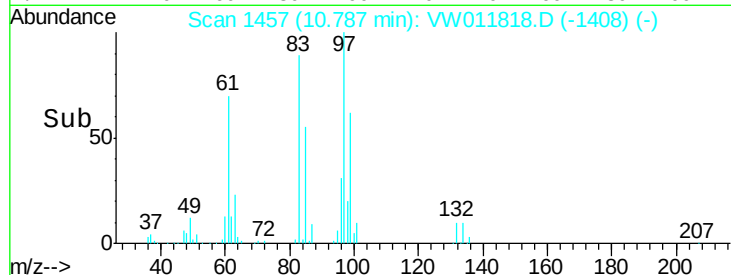
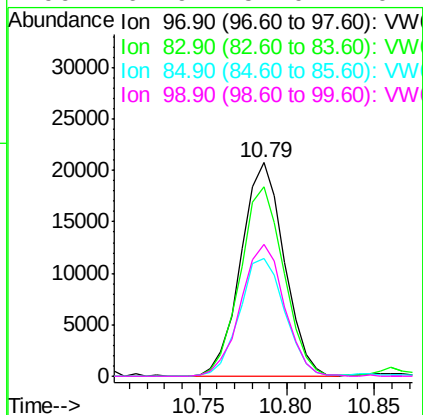
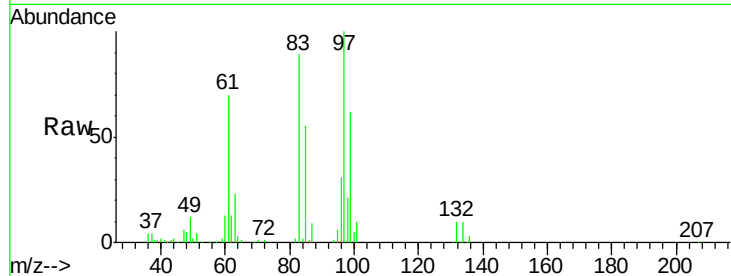
ClientSampleId :

VW0812SBS01

Tot Ion:	97	Resp:	35919
Ion	Ratio	Lower	Upper
97	100		
83	88.7	70.5	105.7
85	55.0	45.8	68.6
99	61.9	51.0	76.4

Manual Integrations
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8/13/2019 2:44:06 PM



#56

Ethyl methacrylate

Concen: 18.728 ug/l

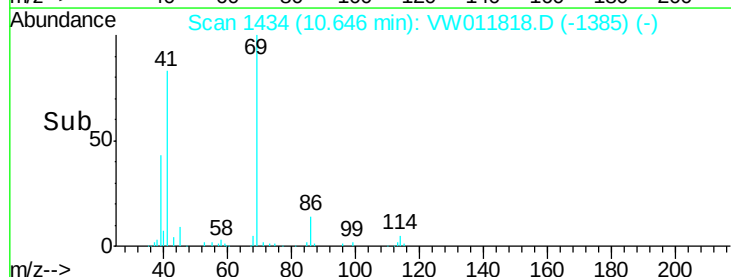
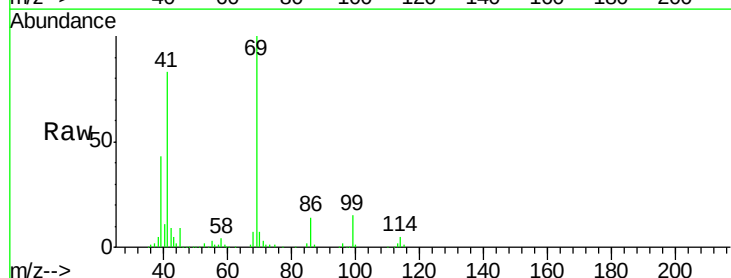
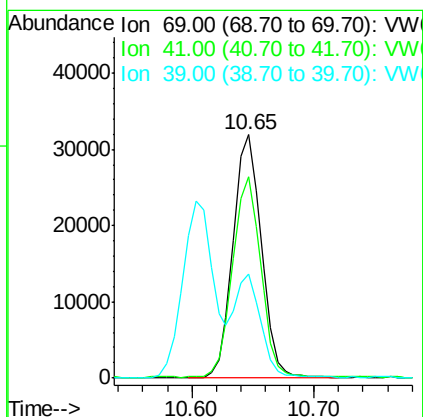
RT: 10.65 min Scan# 1434

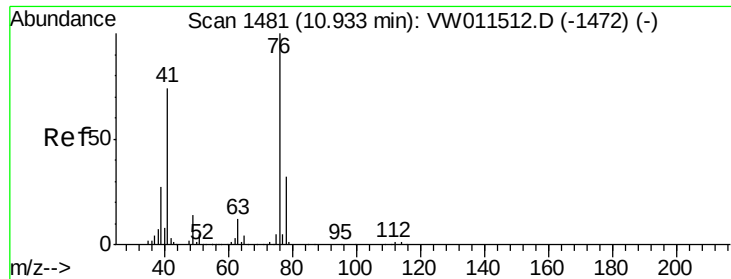
Delta R.T. 0.00 min

Lab File: VW011818.D

Acq: 09 Aug 2019 18:16

Tgt Ion:	69	Resp:	51320
Ion	Ratio	Lower	Upper
69	100		
41	81.6	66.6	99.8
39	38.6	30.3	45.5





#57

1,3-Dichloropropane

Concen: 19.189 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW011818.D

Acq: 09 Aug 2019 18:16

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBS01

Tot Ion: 76 Resp: 67983

Ion Ratio Lower Upper

76 100

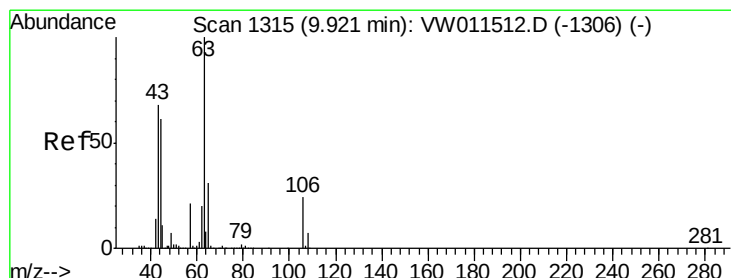
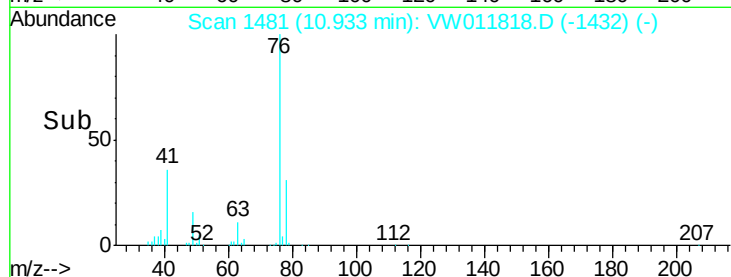
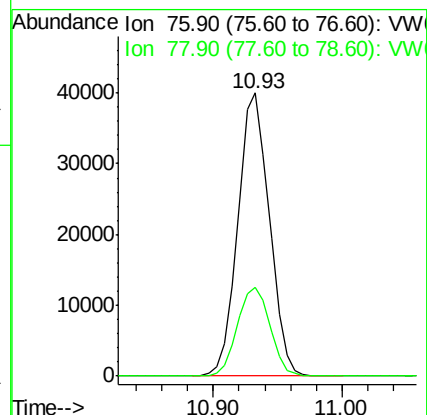
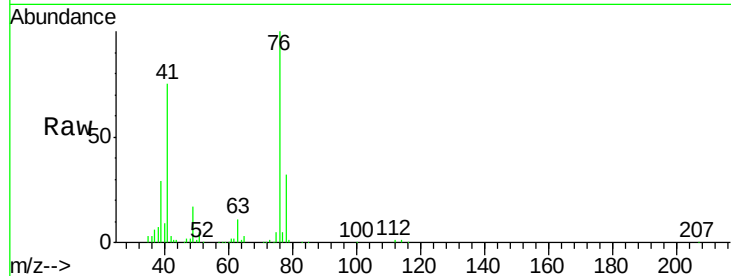
78 32.4 25.2 37.8

Manual Integrations

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MMDadoda

8/13/2019 2:44:06 PM



#58

2-Chloroethyl Vinyl ether

Concen: 105.871 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW011818.D

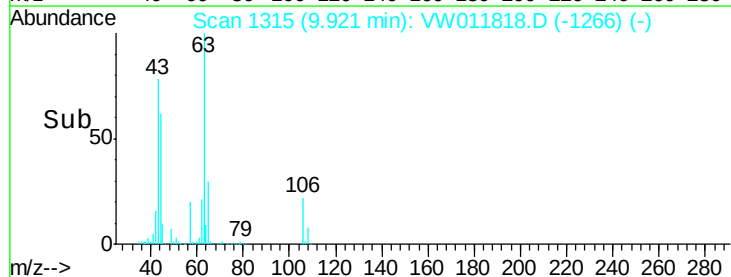
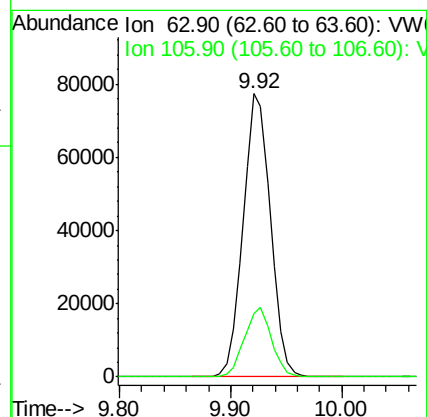
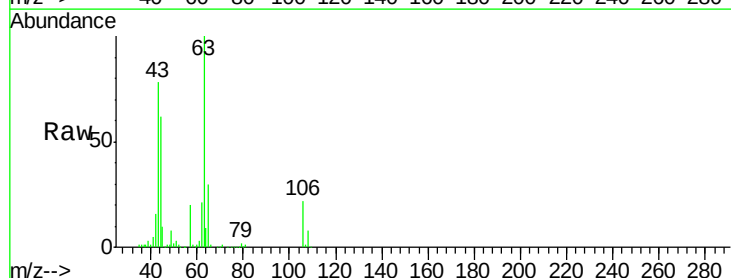
Acq: 09 Aug 2019 18:16

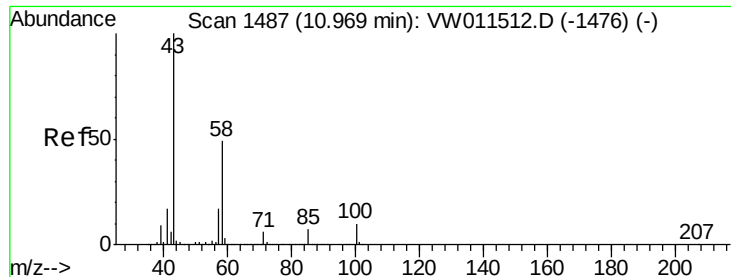
Tgt Ion: 63 Resp: 131725

Ion Ratio Lower Upper

63 100

106 24.1 19.7 29.5





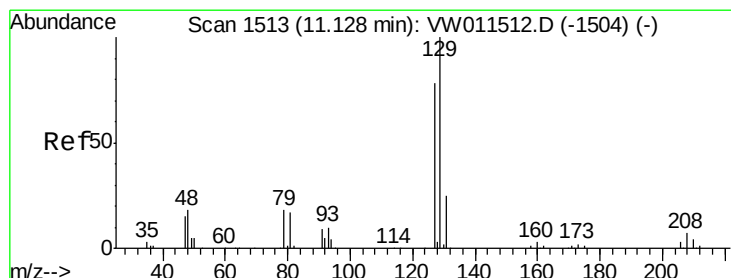
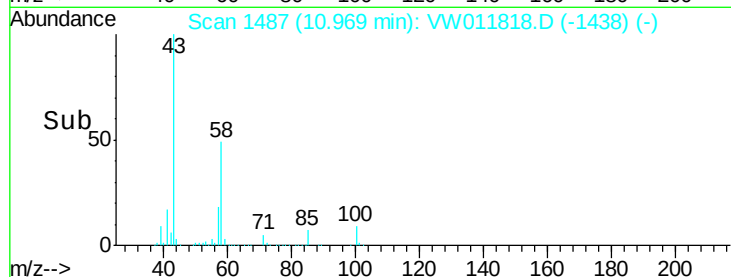
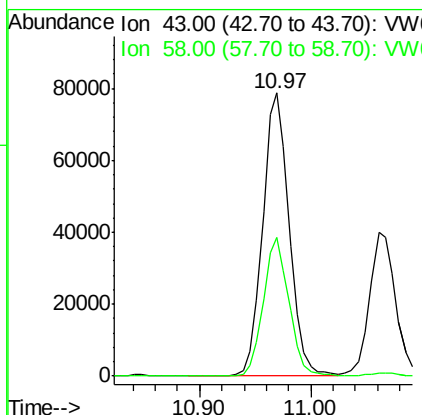
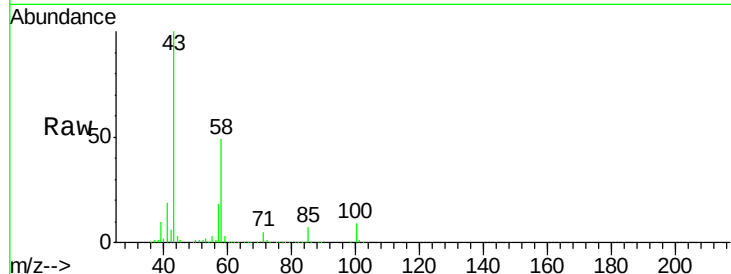
#59
2-Hexanone
Concen: 86.871 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011818.D
Acq: 09 Aug 2019 18:16

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	47.8	24.3	72.9

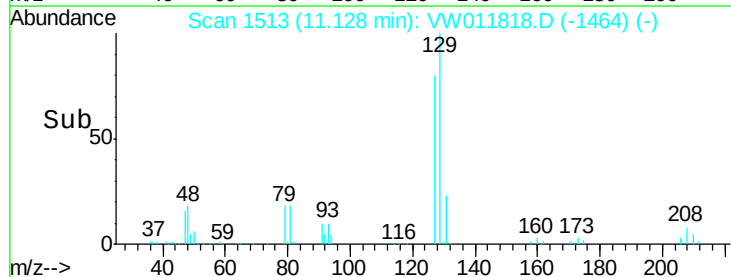
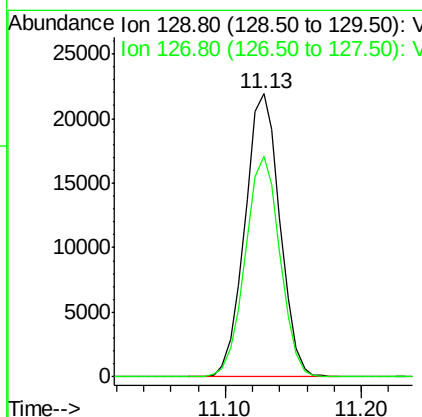
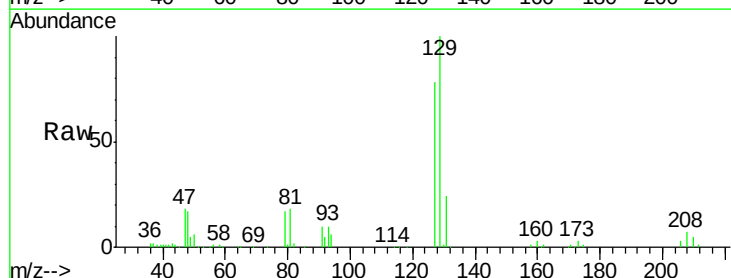
Manual Integrations
APPROVED

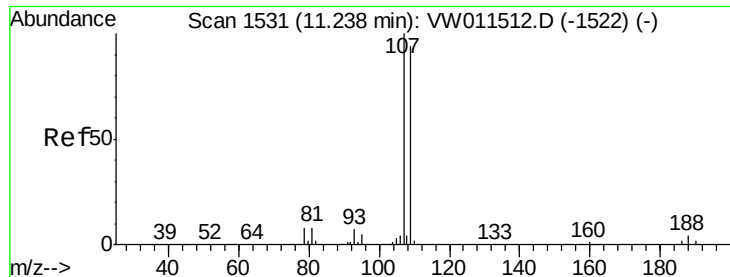
MMDadoda
8/13/2019 2:44:06 PM



#60
Dibromochloromethane
Concen: 18.991 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011818.D
Acq: 09 Aug 2019 18:16

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.9	116.7





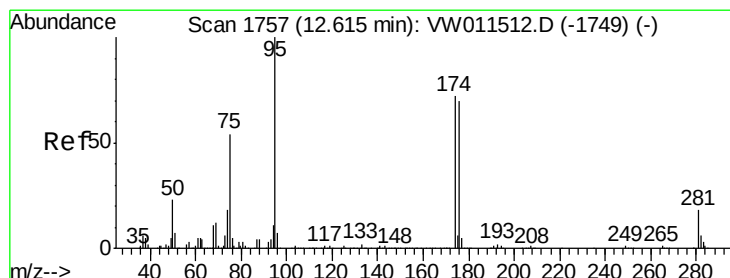
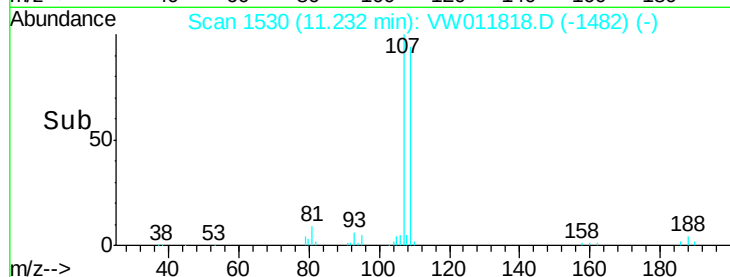
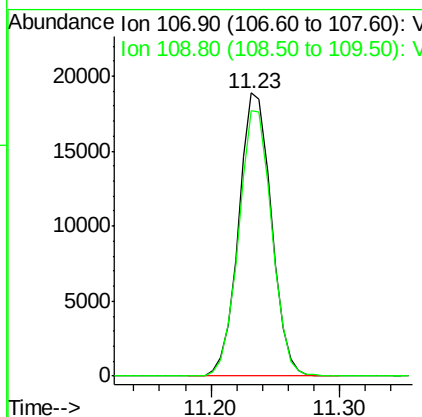
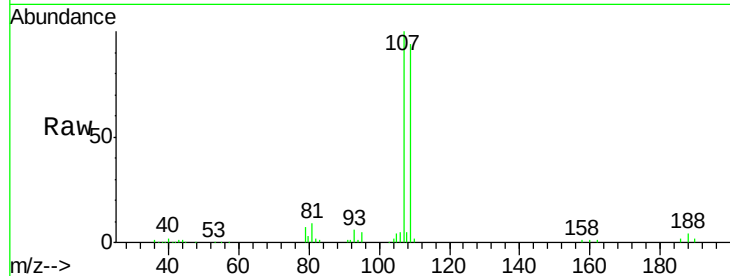
#61
 1,2-Dibromoethane
 Concen: 18.704 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW011818.D
 Acq: 09 Aug 2019 18:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.0	112.6

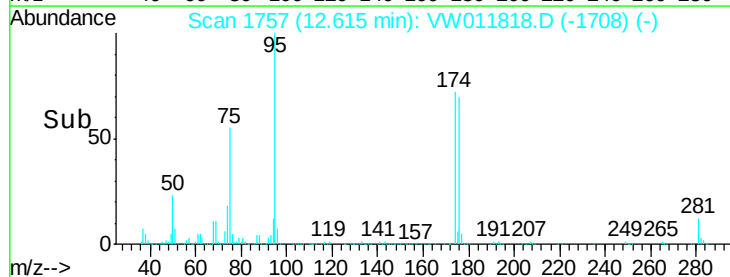
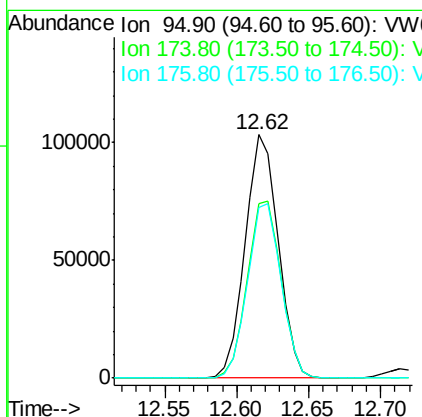
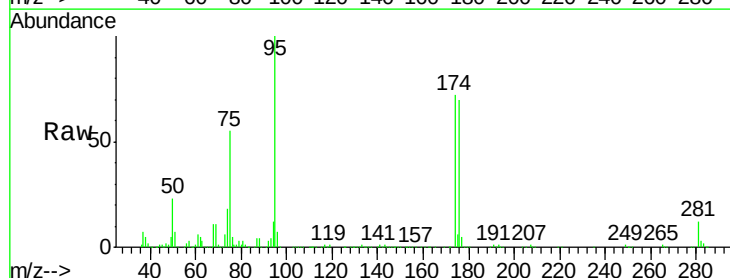
Manual Integrations
 APPROVED

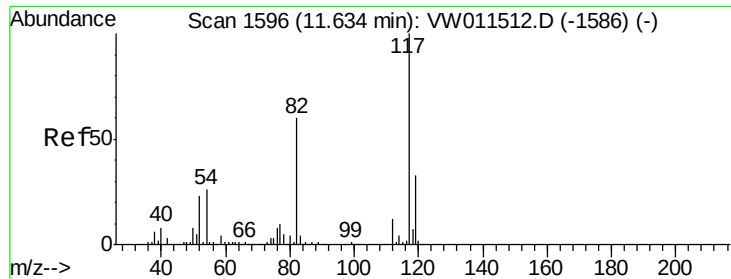
MMDadoda
 8/13/2019 2:44:06 PM



#62
 4-Bromofluorobenzene
 Concen: 54.107 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW011818.D
 Acq: 09 Aug 2019 18:16

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.6	0.0	150.2
176	72.6	0.0	144.4





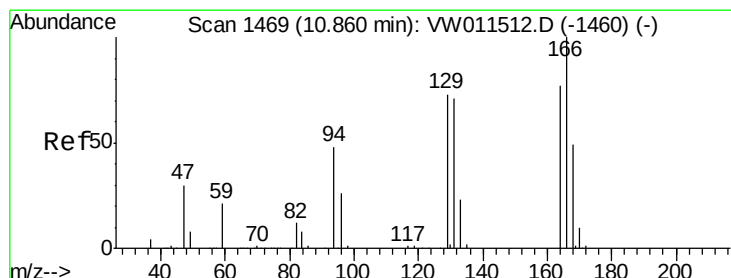
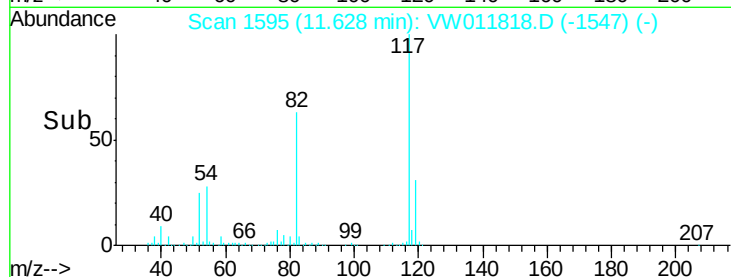
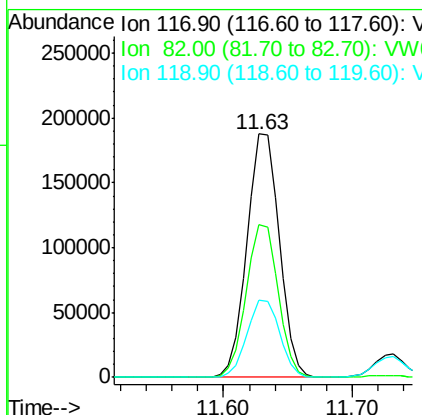
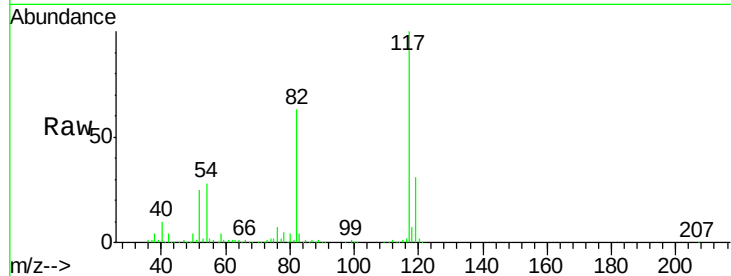
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW011818.D
Acq: 09 Aug 2019 18:16

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	325973		
82	62.9		47.9	71.9
119	31.5		26.2	39.2

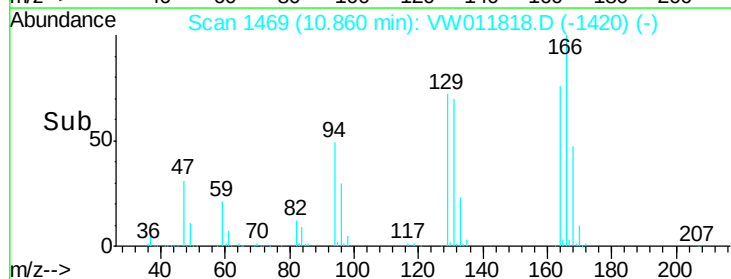
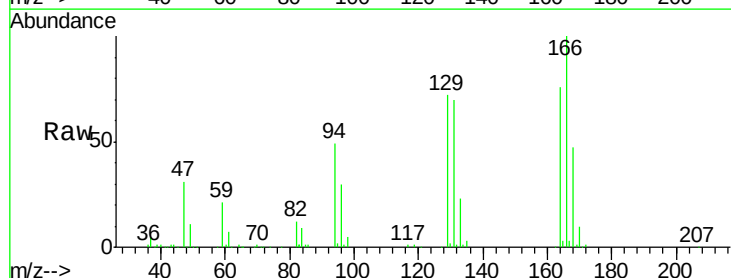
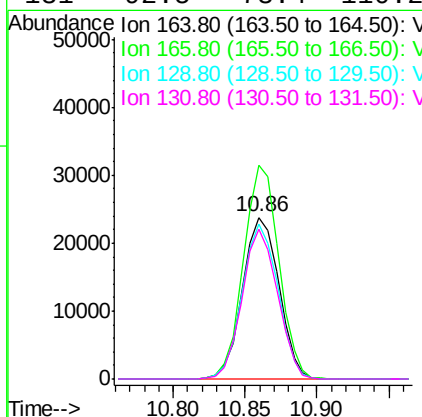
Manual Integrations
APPROVED

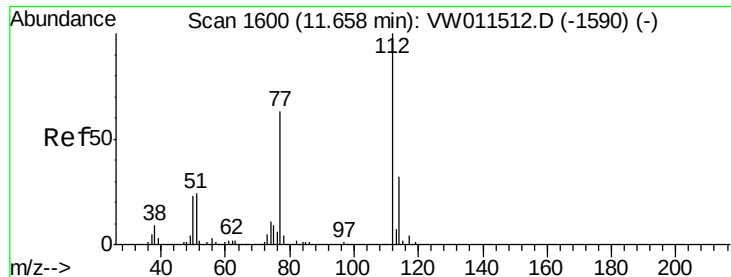
MMDadoda
8/13/2019 2:44:06 PM



#64
Tetrachloroethene
Concen: 19.600 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011818.D
Acq: 09 Aug 2019 18:16

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	41600		
166	132.2		103.5	155.3
129	95.5		75.2	112.8
131	92.5		73.4	110.2





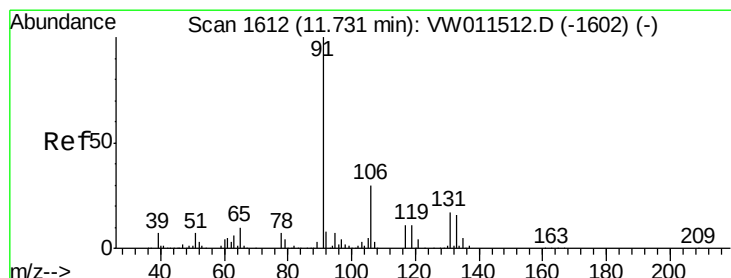
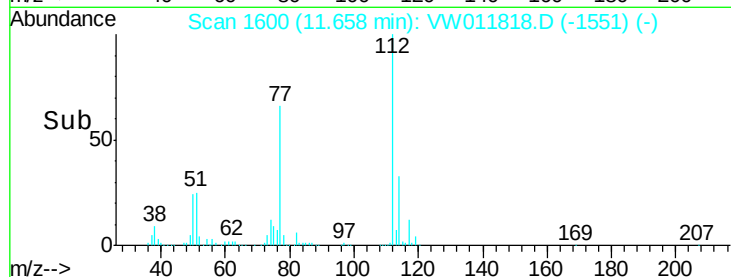
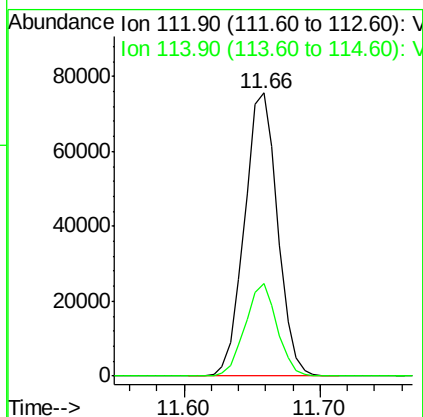
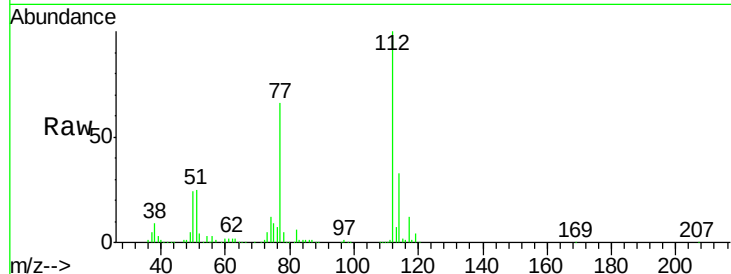
#65
Chlorobenzene
Concen: 19.665 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011818.D
Acq: 09 Aug 2019 18:16

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.9	25.6	38.4

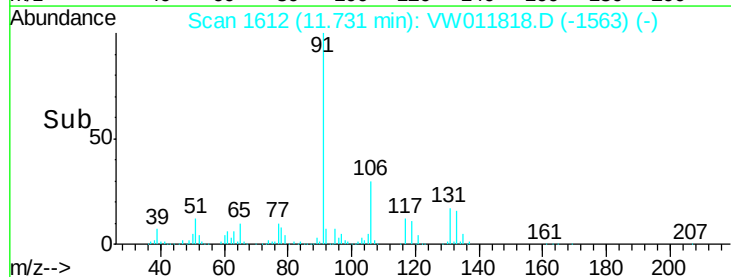
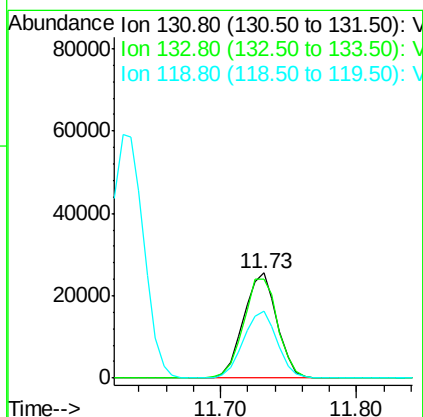
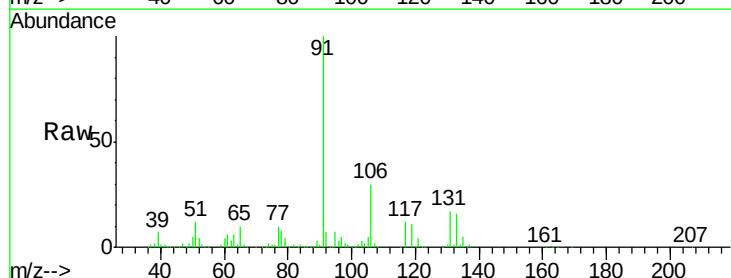
Manual Integrations
APPROVED

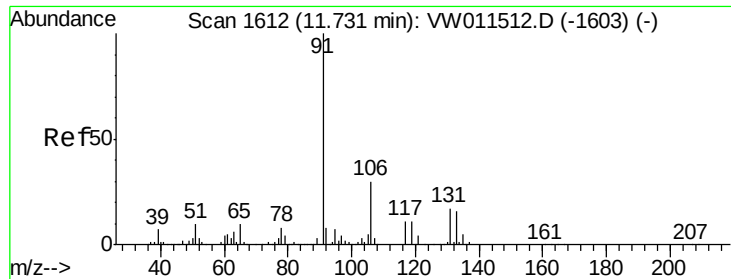
MMDadoda
8/13/2019 2:44:06 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.175 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011818.D
Acq: 09 Aug 2019 18:16

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.6	47.4	142.2
119	64.3	32.3	96.9





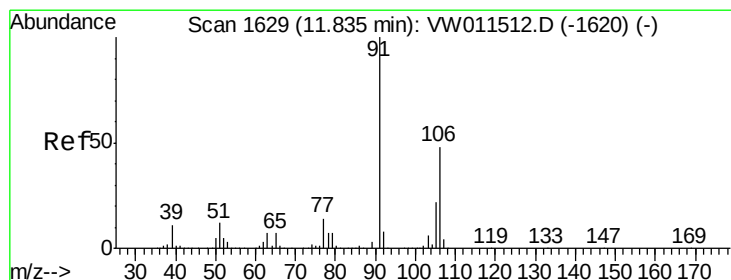
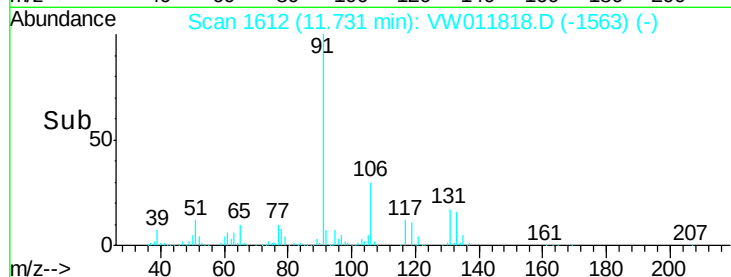
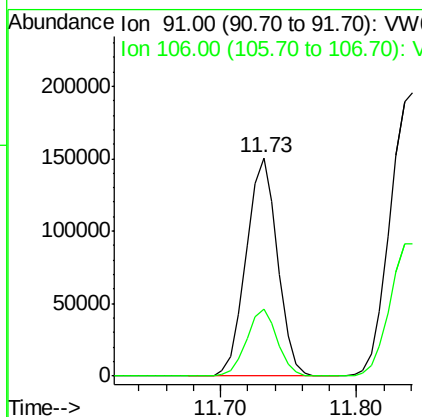
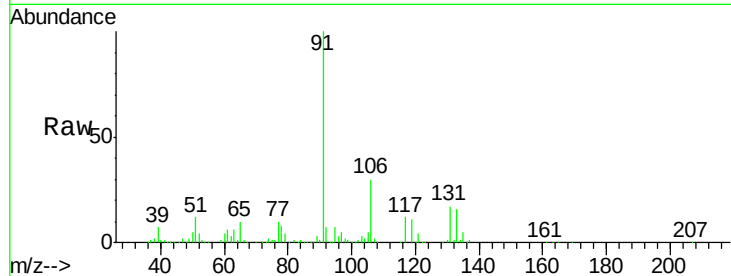
#67
Ethyl Benzene
Concen: 19.470 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011818.D
Acq: 09 Aug 2019 18:16

Instrument :
MSVOA_W
ClientSampled :
VW0812SBS01

Tot Ion: 91 Resp: 243012
Ion Ratio Lower Upper
91 100
106 30.5 23.8 35.6

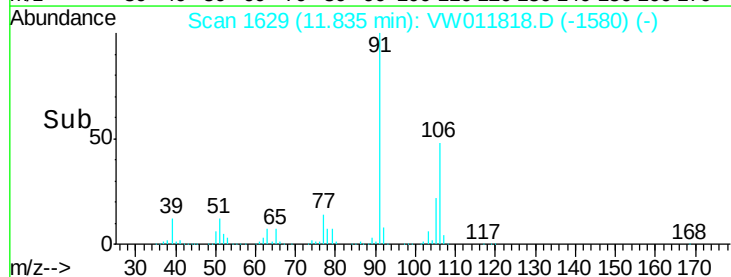
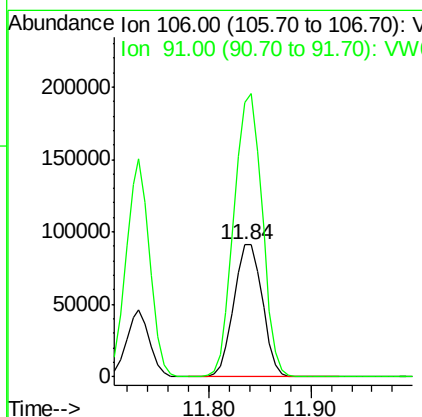
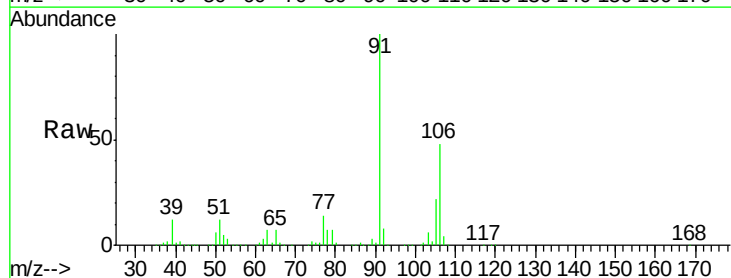
Manual Integrations
APPROVED

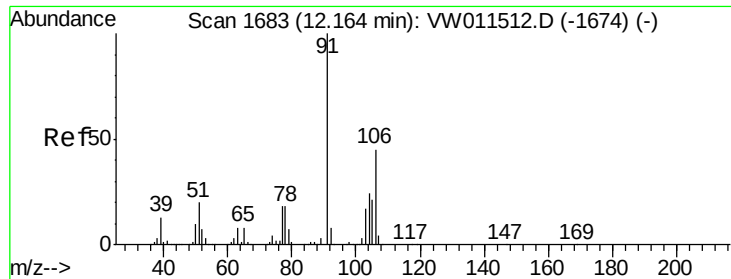
MMDadoda
8/13/2019 2:44:06 PM



#68
m/p-Xylenes
Concen: 39.076 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW011818.D
Acq: 09 Aug 2019 18:16

Tgt Ion: 106 Resp: 177374
Ion Ratio Lower Upper
106 100
91 211.0 168.2 252.2





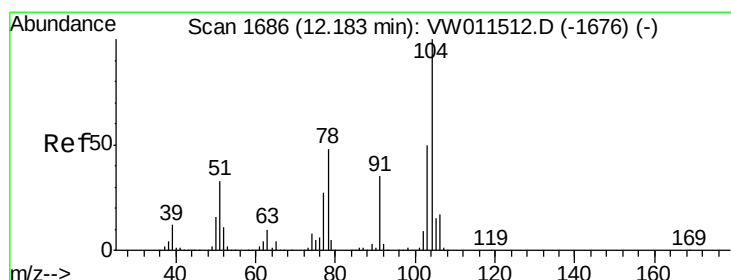
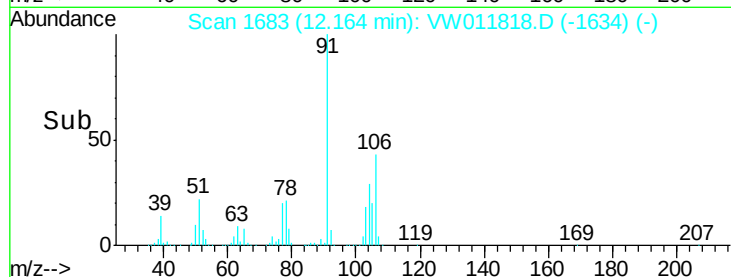
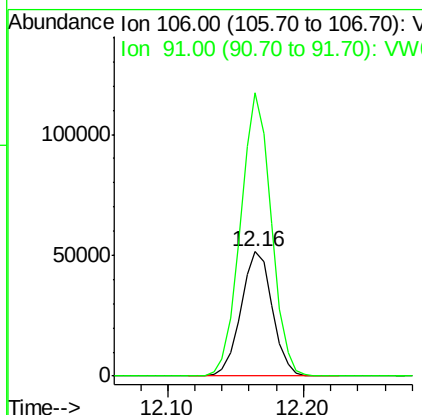
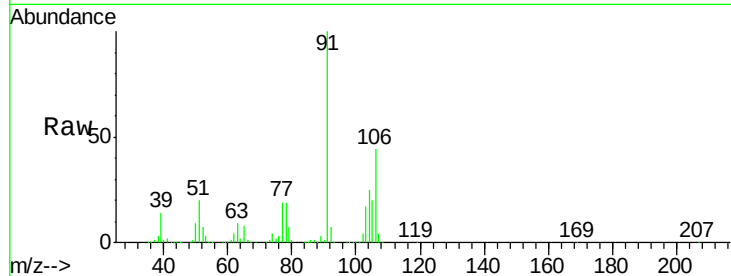
#69
o-Xylene
Concen: 19.630 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011818.D
Acq: 09 Aug 2019 18:16

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	82799		
91	91	222.7		110.5	331.5

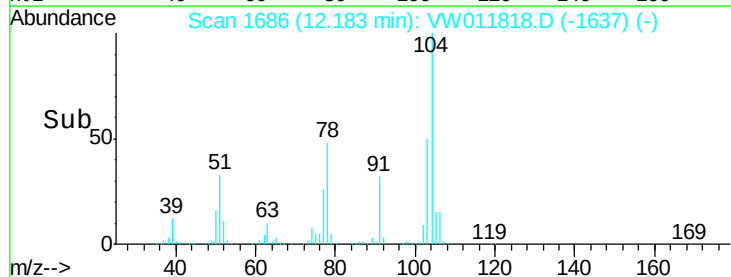
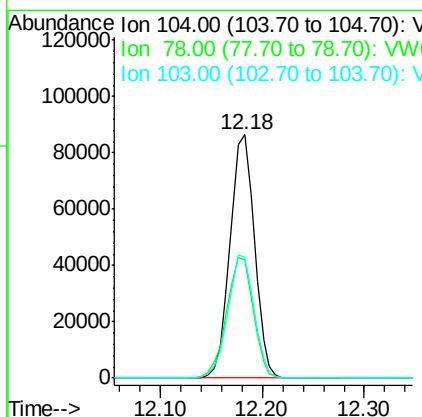
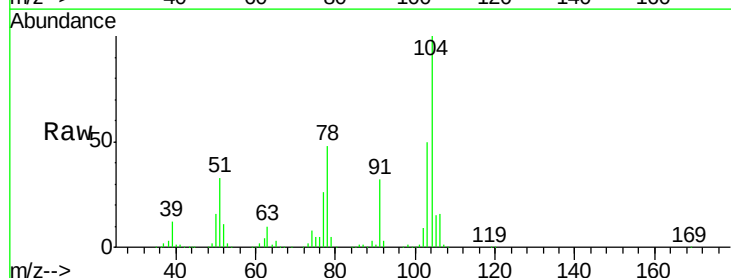
Manual Integrations
APPROVED

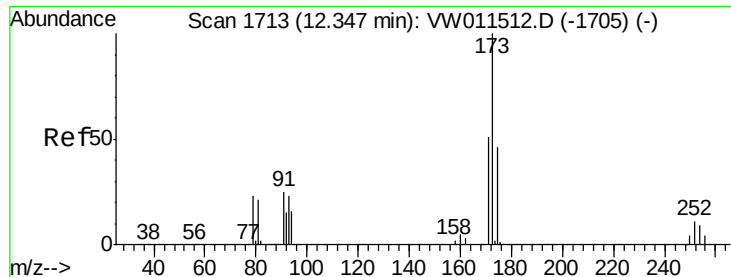
MMDadoda
8/13/2019 2:44:06 PM



#70
Styrene
Concen: 19.592 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011818.D
Acq: 09 Aug 2019 18:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	142883		
78	78	54.5		43.4	65.0
103	103	54.4		43.9	65.9





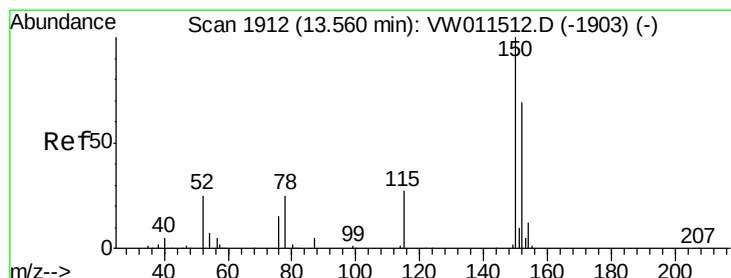
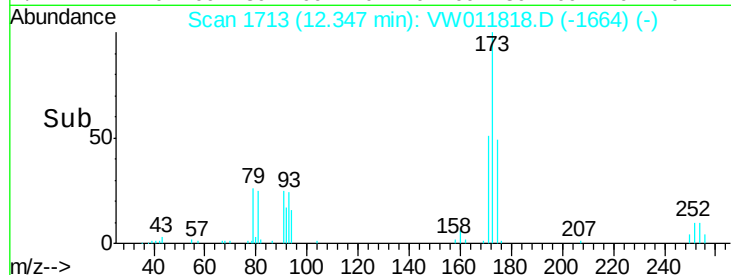
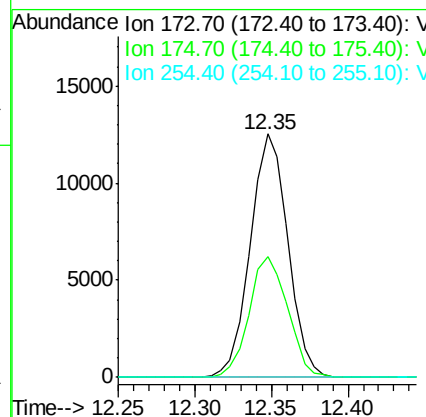
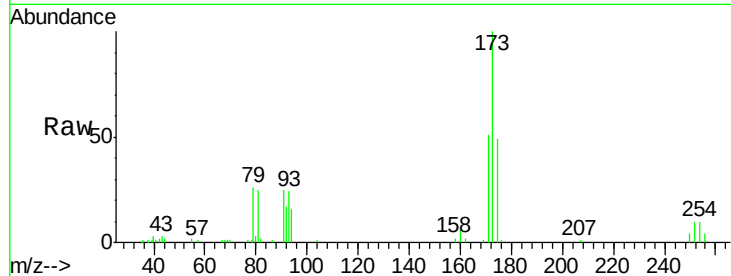
#71
Bromoform
Concen: 18.424 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW011818.D
Acq: 09 Aug 2019 18:16

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.5	23.6	71.0
254	0.0	0.1	0.1#

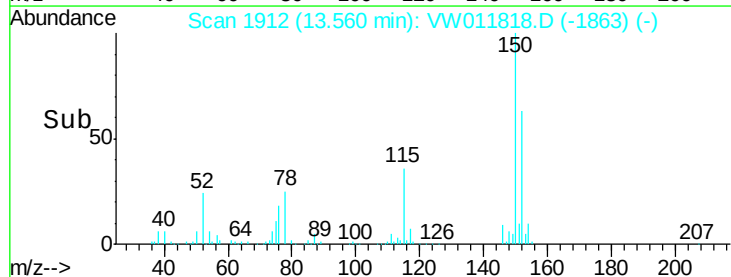
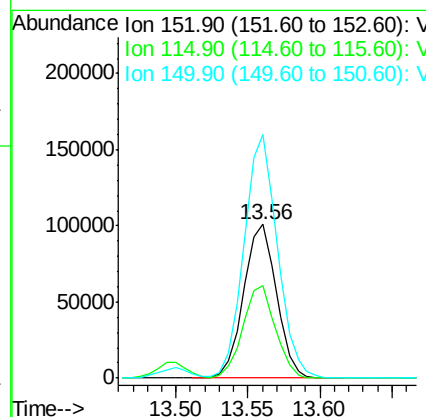
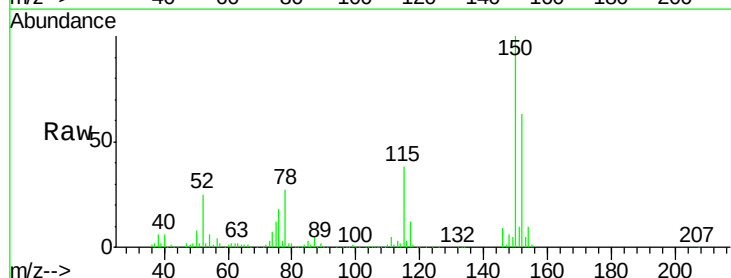
Manual Integrations
APPROVED

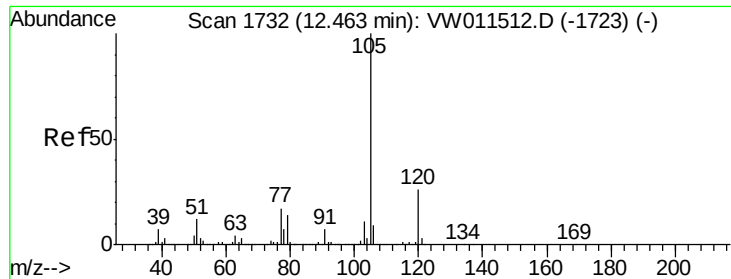
MMDadoda
8/13/2019 2:44:06 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011818.D
Acq: 09 Aug 2019 18:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.6	30.5	91.5
150	161.1	0.0	352.6





#73

Isopropylbenzene

Concen: 19.325 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011818.D

Acq: 09 Aug 2019 18:16

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBS01

Tot Ion:105 Resp: 229812

Ion Ratio Lower Upper

105 100

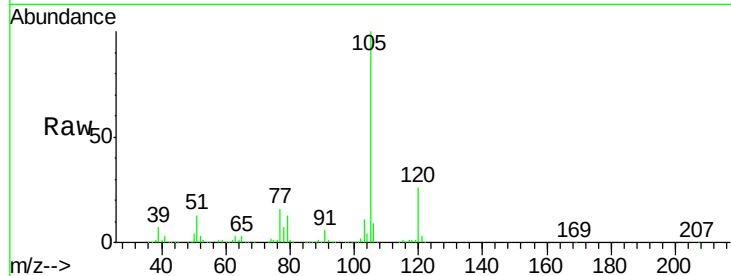
120 25.4 12.9 38.7

Manual Integrations

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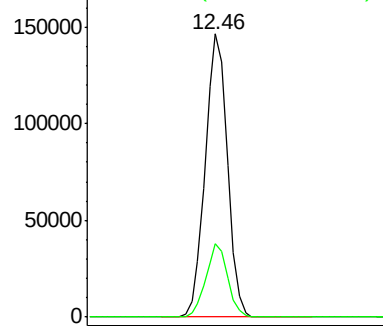
MMDadoda

8/13/2019 2:44:06 PM

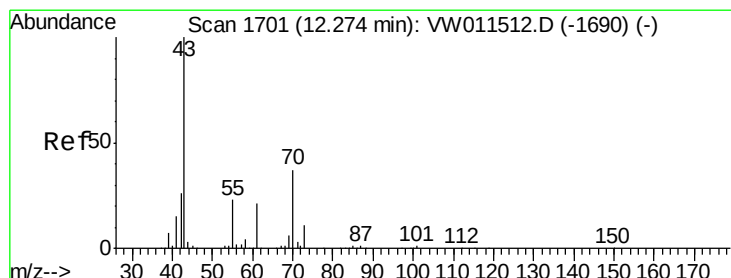
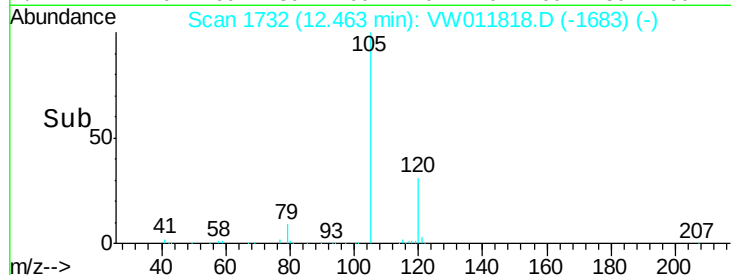


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#74

N-ethyl acetate

Concen: 18.114 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW011818.D

Acq: 09 Aug 2019 18:16

Tgt Ion: 43 Resp: 67439

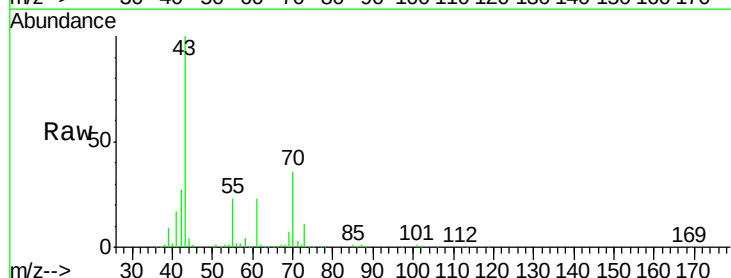
Ion Ratio Lower Upper

43 100

70 36.0 28.6 43.0

55 23.5 17.8 26.8

61 21.5 17.0 25.6

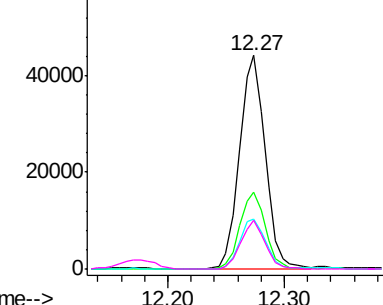


Abundance Ion 43.00 (42.70 to 43.70): VW

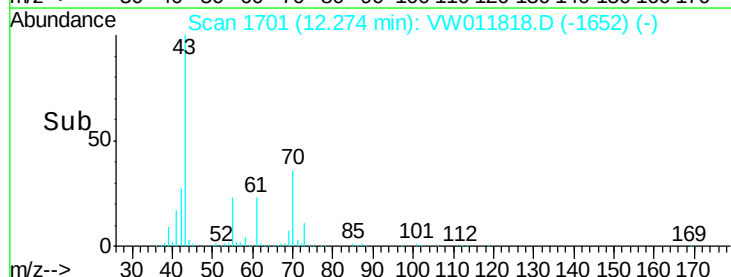
Ion 70.00 (69.70 to 70.70): VW

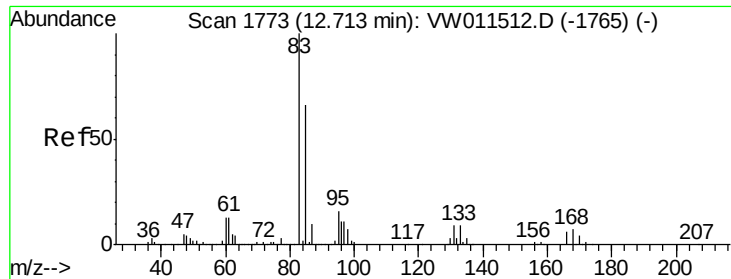
Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.754 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011818.D

Acq: 09 Aug 2019 18:16

Instrument :

MSVOA_W

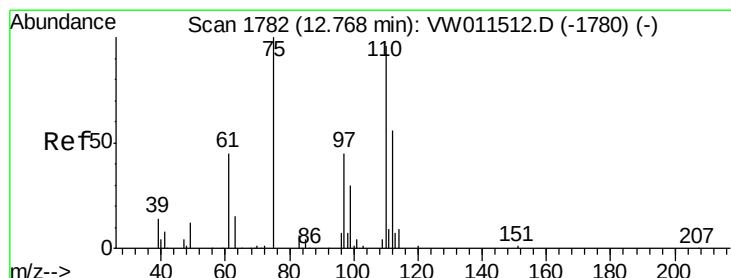
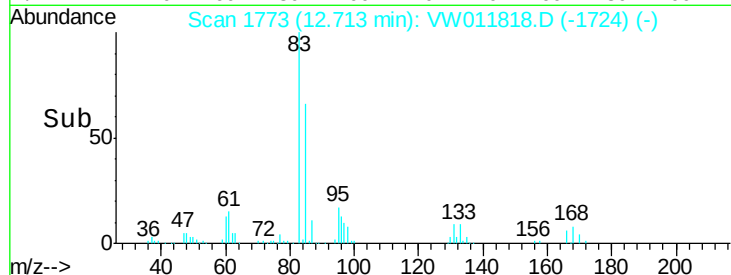
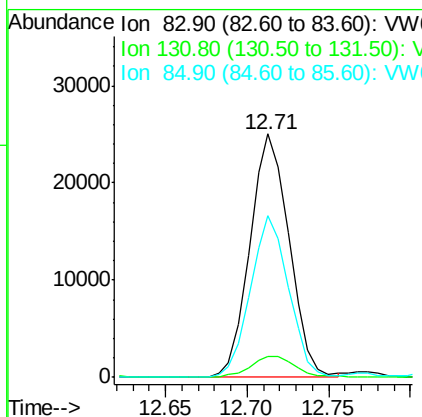
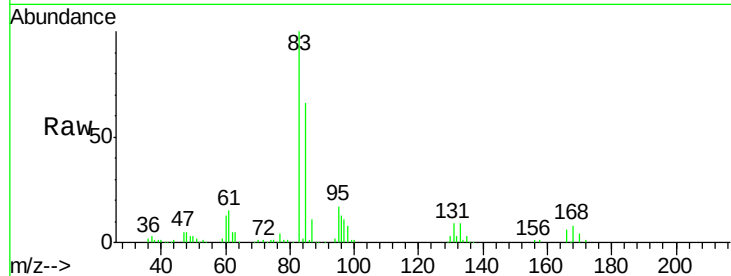
ClientSampleId :

VW0812SBS01

Tot Ion:	83	Resp:	41950
Ion	Ratio	Lower	Upper
83	100		
131	9.9	4.9	14.6
85	64.7	31.8	95.4

Manual Integrations
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MMDadoda
8/13/2019 2:44:06 PM



#76

1,2,3-Trichloropropane

Concen: 17.149 ug/l m

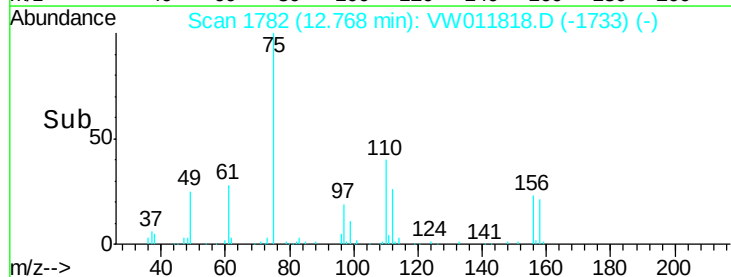
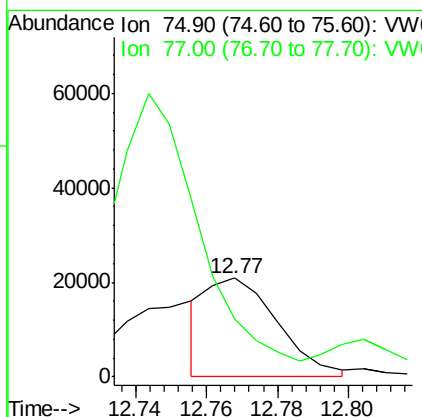
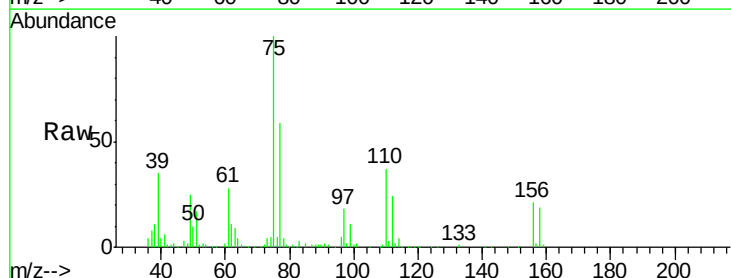
RT: 12.77 min Scan# 1782

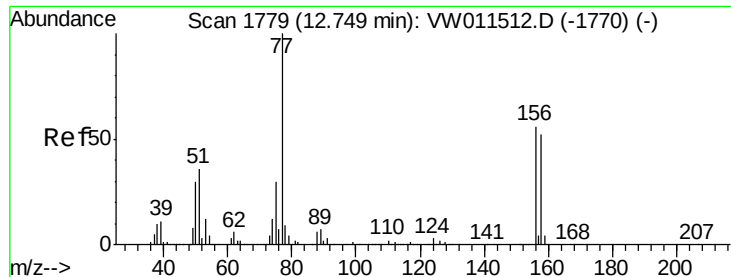
Delta R.T. 0.00 min

Lab File: VW011818.D

Acq: 09 Aug 2019 18:16

Tgt Ion:	75	Resp:	28925
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





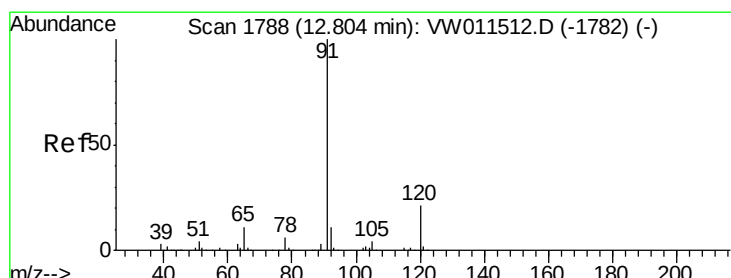
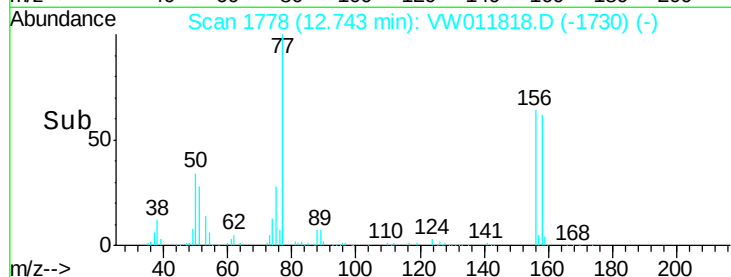
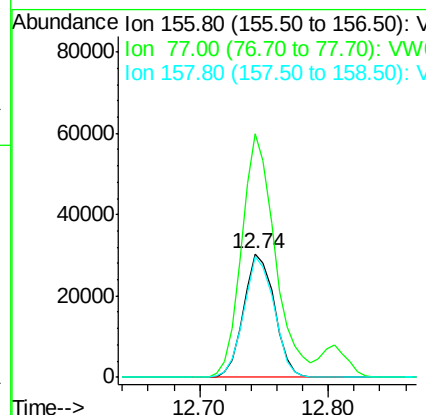
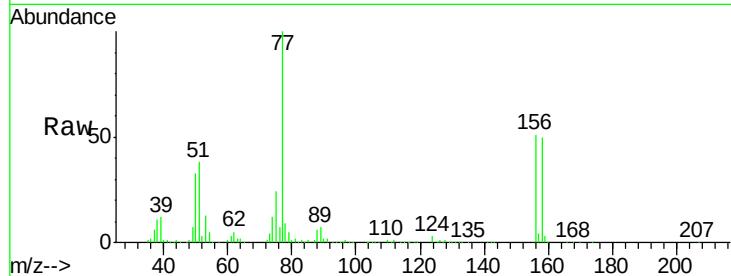
#77
Bromobenzene
Concen: 19.105 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. -0.01 min
Lab File: VW011818.D
Acq: 09 Aug 2019 18:16

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	214.0	106.5	319.4
158	96.5	48.0	144.2

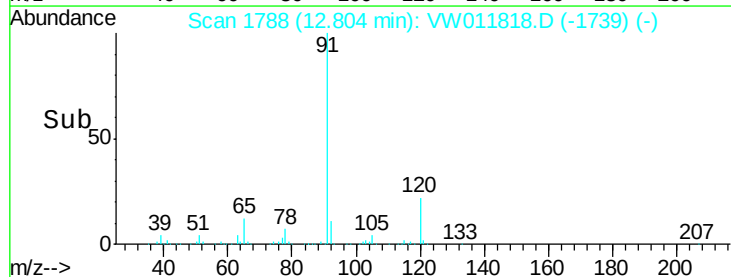
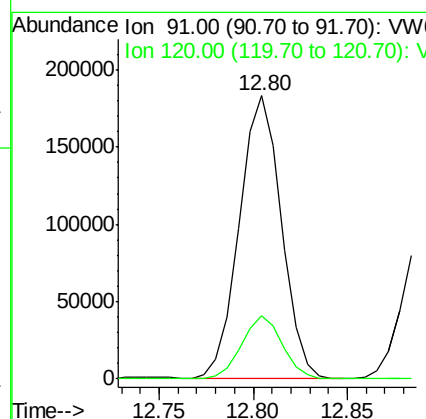
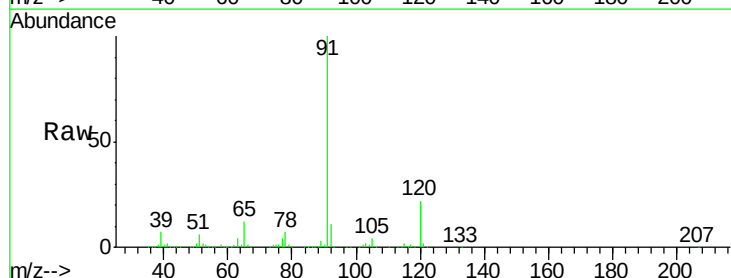
Manual Integrations
APPROVED

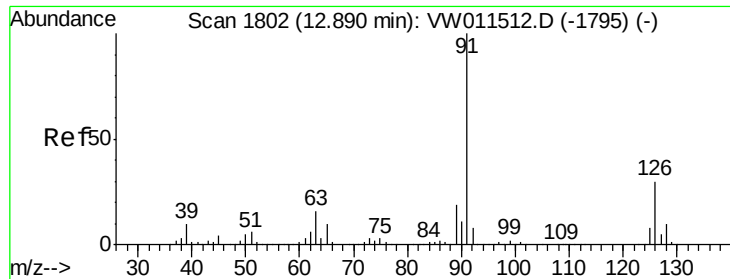
MMDadoda
8/13/2019 2:44:06 PM



#78
n-propylbenzene
Concen: 19.538 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW011818.D
Acq: 09 Aug 2019 18:16

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.6	10.9	32.7





#79

2-Chlorotoluene

Concen: 19.316 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW011818.D

Acq: 09 Aug 2019 18:16

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBS01

Tot Ion: 91 Resp: 161048

Ion Ratio Lower Upper

91 100

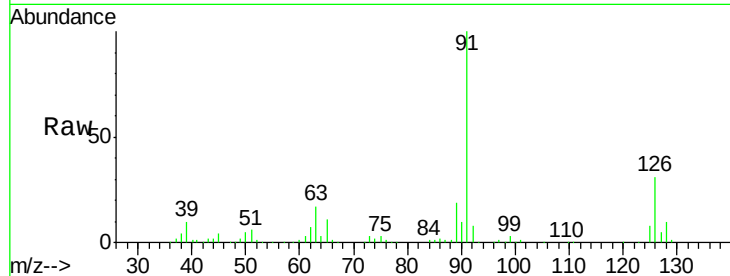
126 31.2 15.7 47.1

Manual Integrations

APPROVED

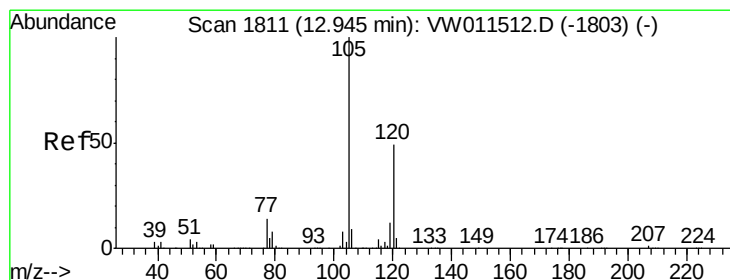
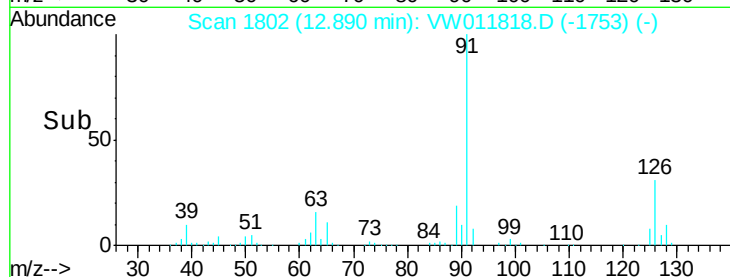
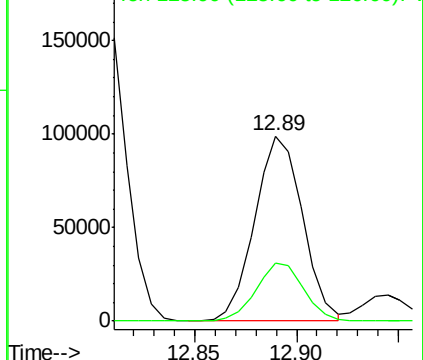
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.405 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW011818.D

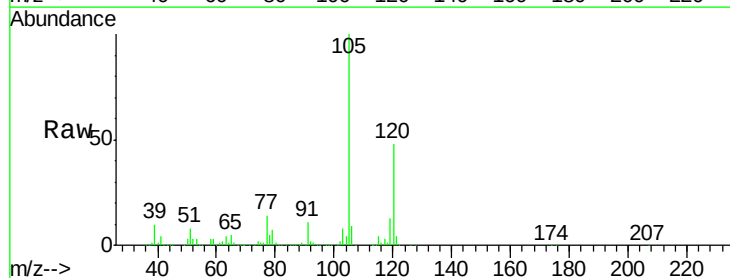
Acq: 09 Aug 2019 18:16

Tgt Ion:105 Resp: 193439

Ion Ratio Lower Upper

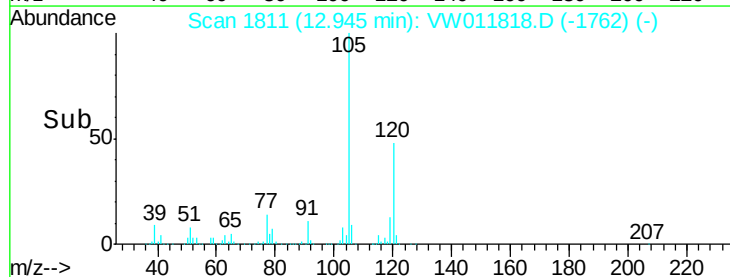
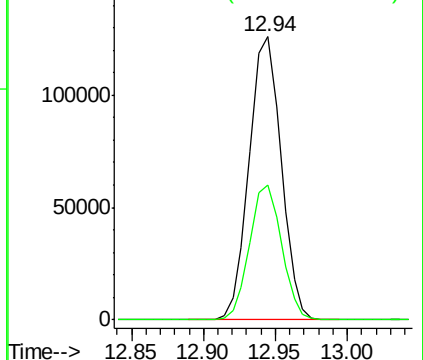
105 100

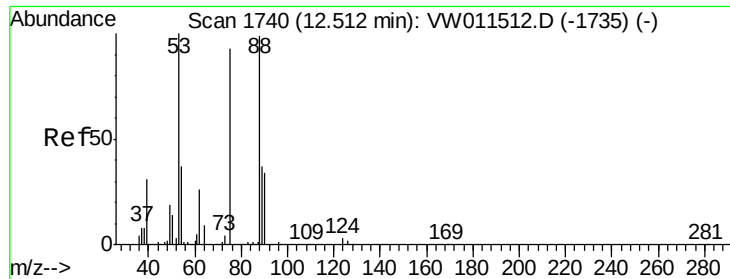
120 47.9 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





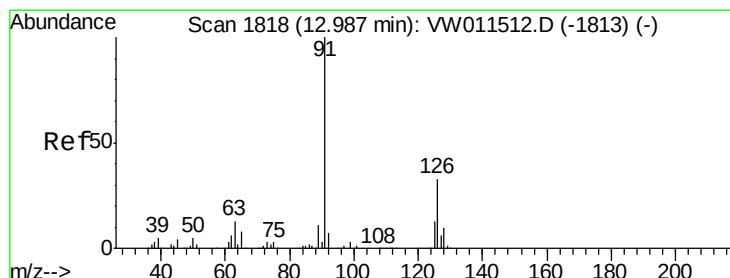
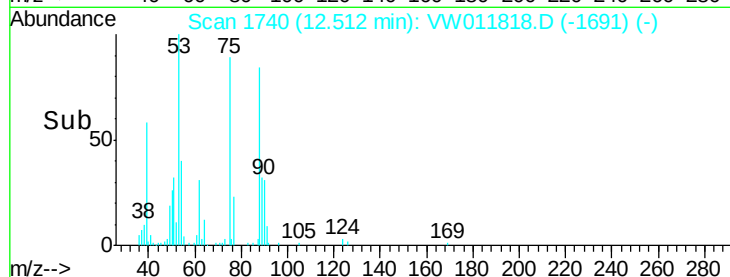
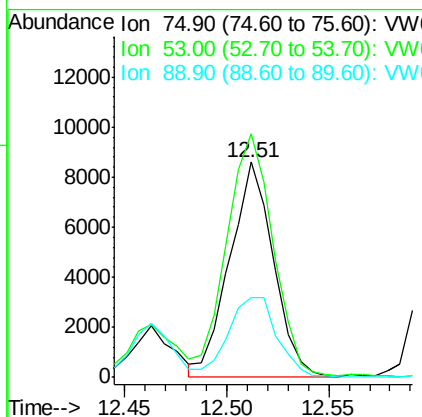
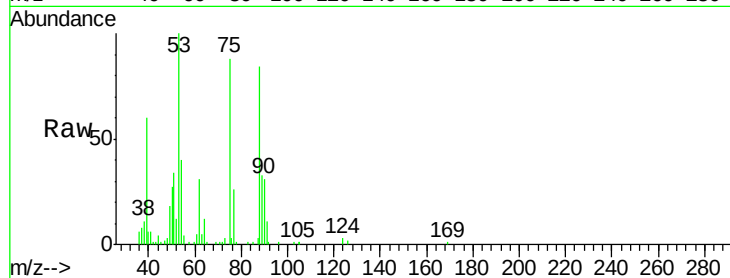
#81
trans-1,4-Dichloro-2-butene
Concen: 17.555 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW011818.D
Acq: 09 Aug 2019 18:16

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	121.5	88.0	132.0
89	41.9	35.3	52.9

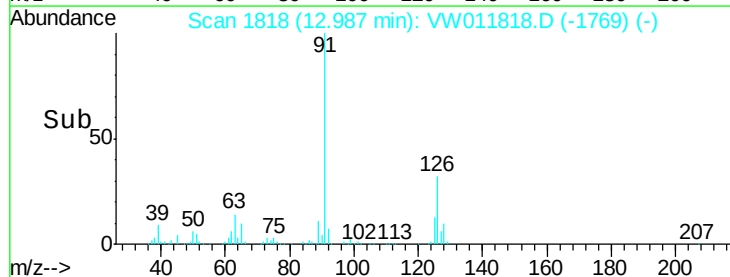
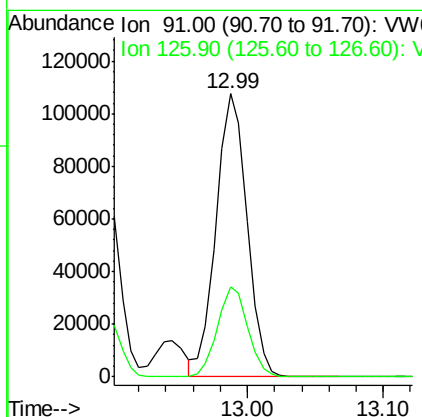
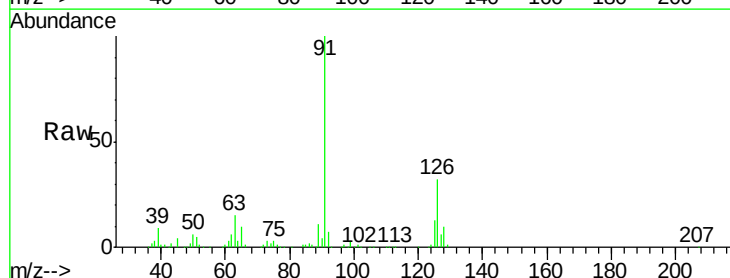
Manual Integrations
APPROVED

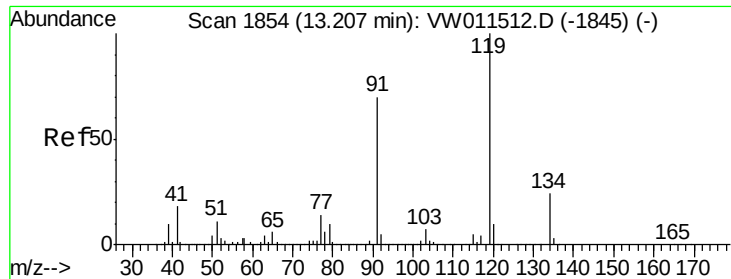
MMDadoda
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#82
4-Chlorotoluene
Concen: 19.388 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW011818.D
Acq: 09 Aug 2019 18:16

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.6	46.8





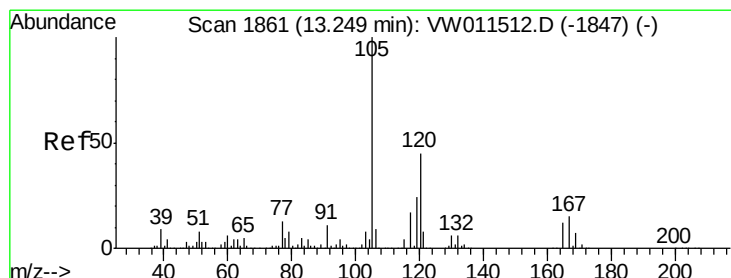
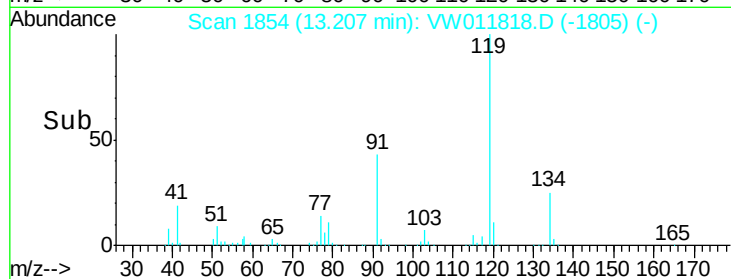
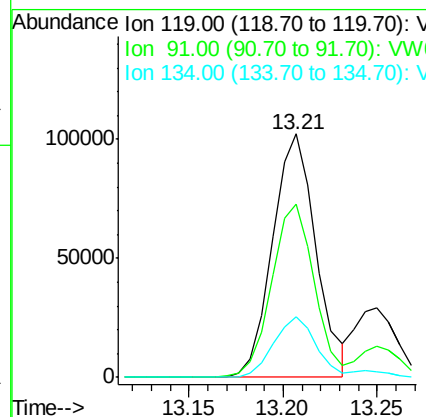
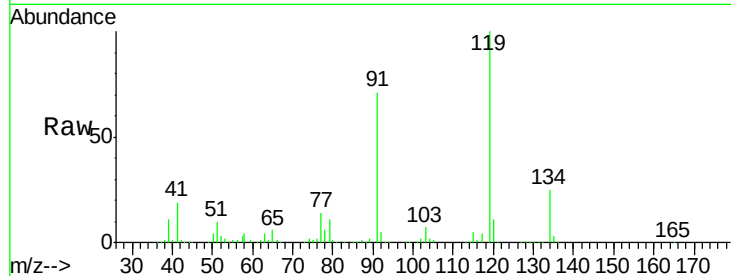
#83
 tert-Butylbenzene
 Concen: 19.623 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW011818.D
 Acq: 09 Aug 2019 18:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.7	34.5	103.6
134	24.7	12.4	37.4

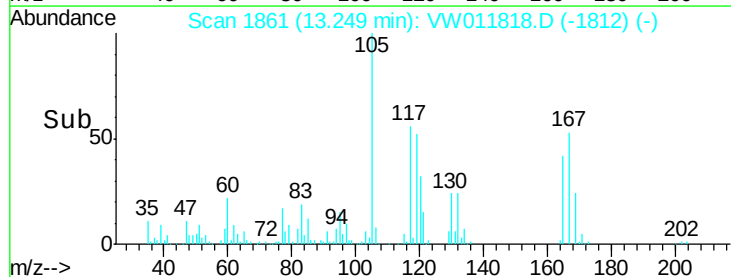
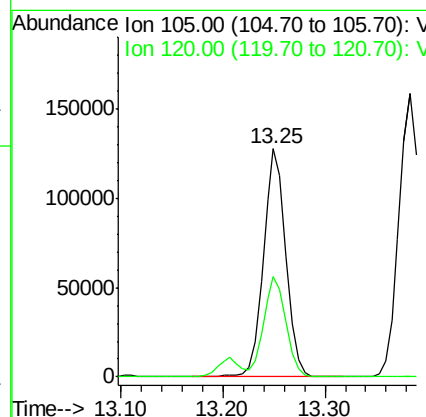
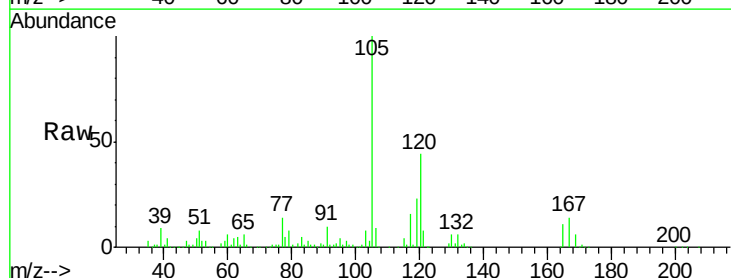
Manual Integrations
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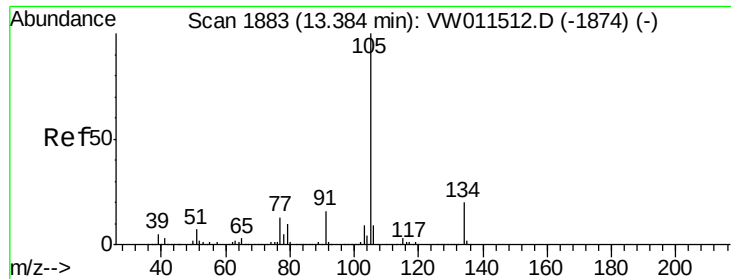
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.446 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW011818.D
 Acq: 09 Aug 2019 18:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.6	22.1	66.5





#85

sec-Butylbenzene

Concen: 19.648 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW011818.D

Acq: 09 Aug 2019 18:16

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBS01

Tot Ion:105 Resp: 233708

Ion Ratio Lower Upper

105 100

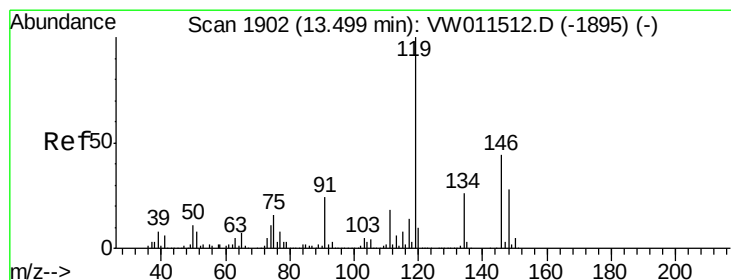
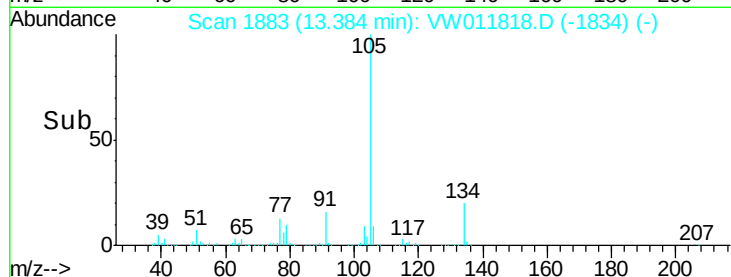
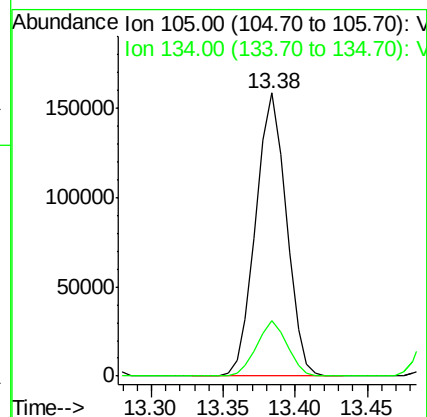
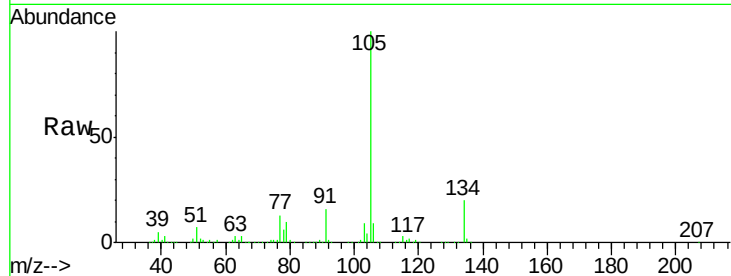
134 19.5 9.7 29.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.273 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011818.D

Acq: 09 Aug 2019 18:16

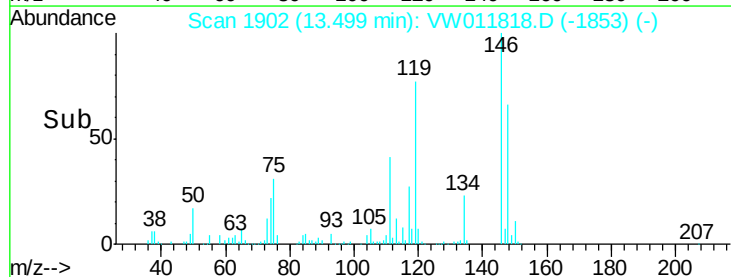
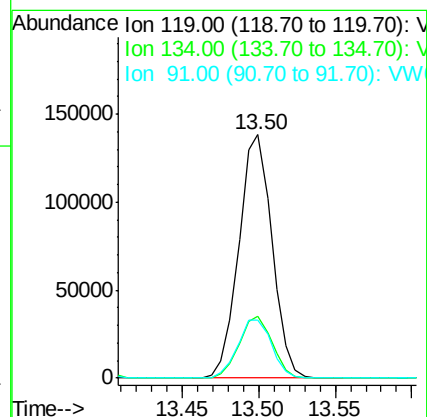
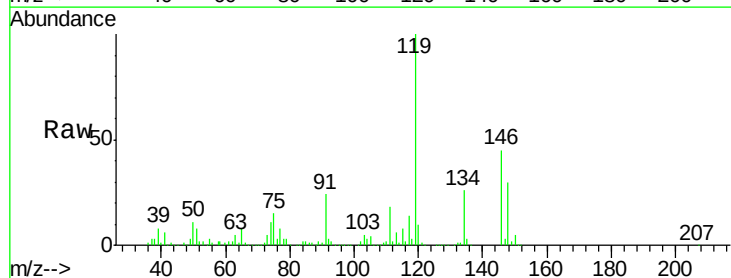
Tgt Ion:119 Resp: 207992

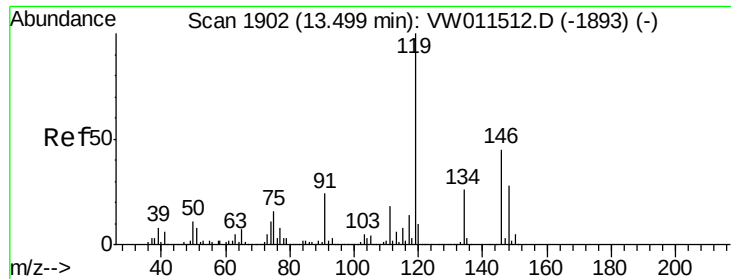
Ion Ratio Lower Upper

119 100

134 25.3 12.8 38.4

91 24.6 12.1 36.3





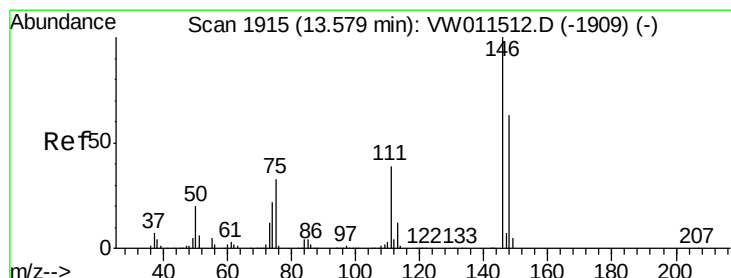
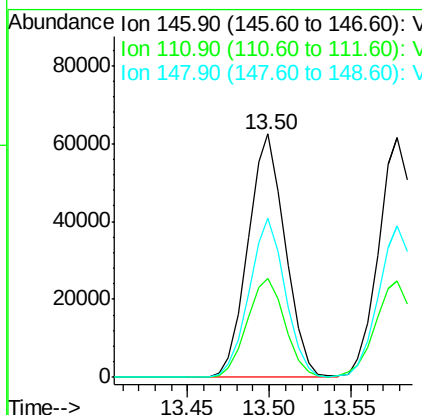
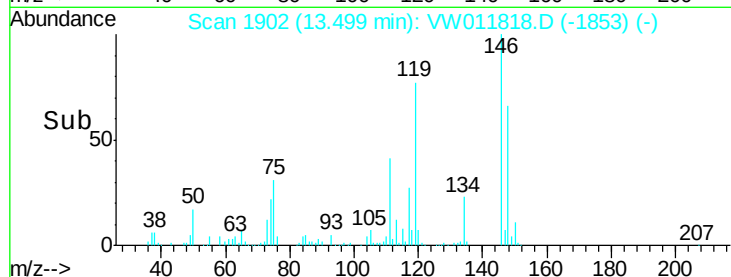
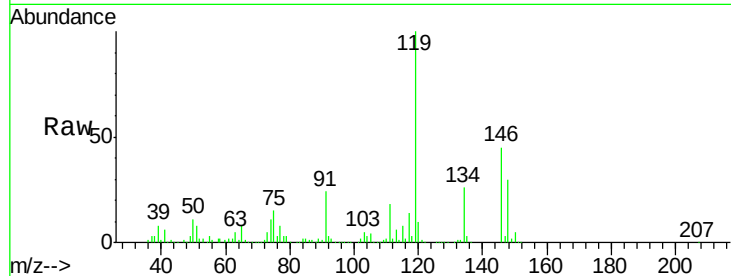
#87
 1,3-Dichlorobenzene
 Concen: 19.200 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011818.D
 Acq: 09 Aug 2019 18:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	98957		
111	41.5	20.5	61.6	
148	63.5	31.8	95.3	

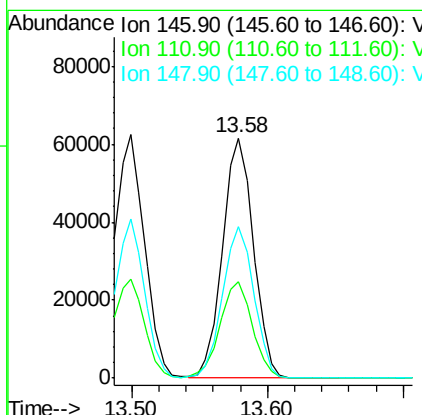
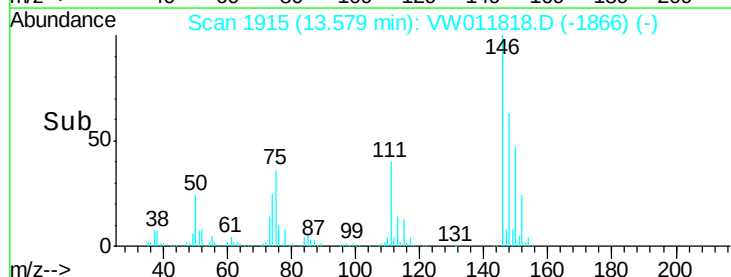
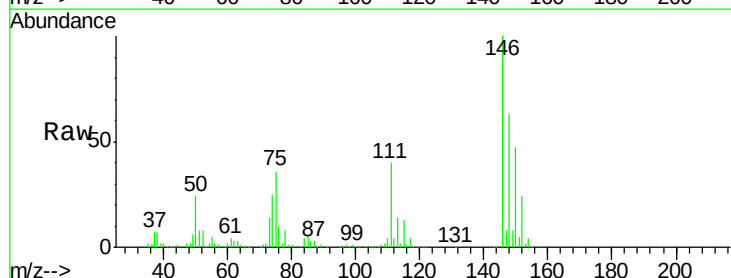
Manual Integrations
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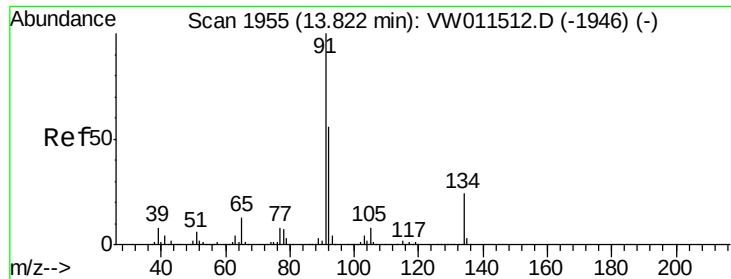
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#88
 1,4-Dichlorobenzene
 Concen: 18.941 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW011818.D
 Acq: 09 Aug 2019 18:16

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	97109		
111	42.2	20.1	60.2	
148	64.2	31.9	95.9	





#89

n-Butylbenzene

Concen: 19.059 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW011818.D

Acq: 09 Aug 2019 18:16

Instrument :

MSVOA_W

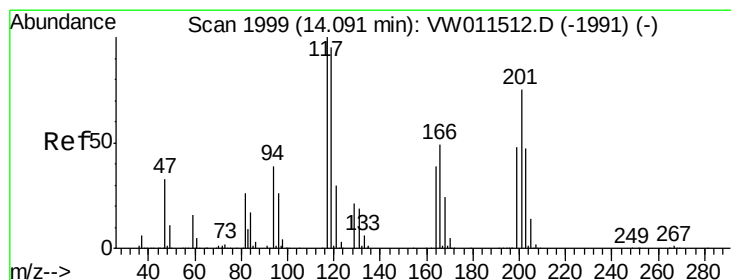
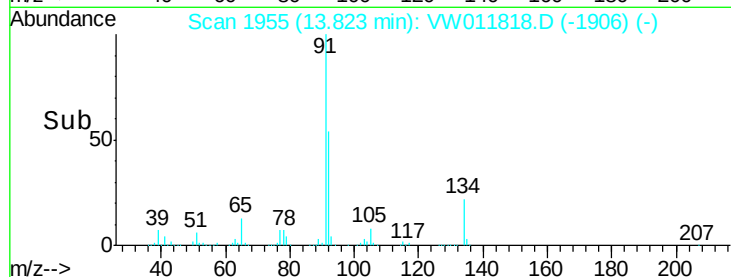
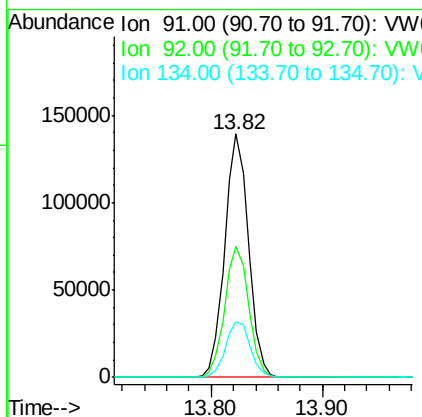
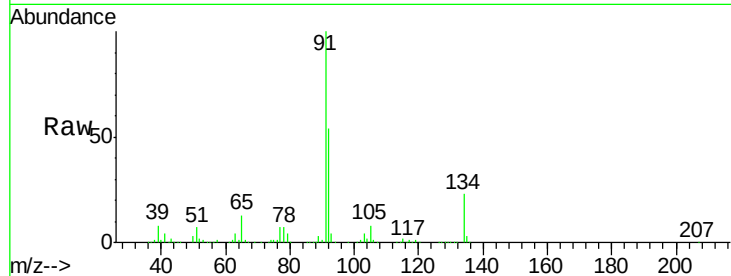
ClientSampleId :

VW0812SBS01

Tot Ion:	91	Resp:	205262
Ion	Ratio	Lower	Upper
91	100		
92	54.3	27.5	82.4
134	23.6	12.2	36.6

Manual Integrations
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#90

Hexachloroethane

Concen: 18.750 ug/l

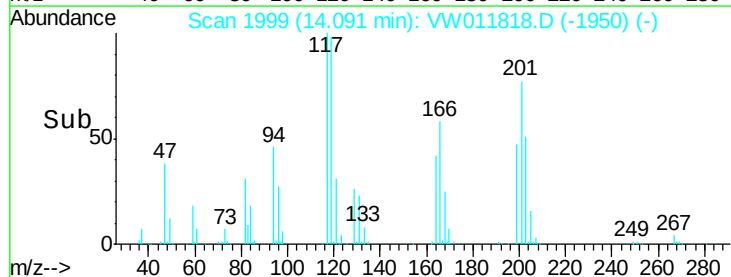
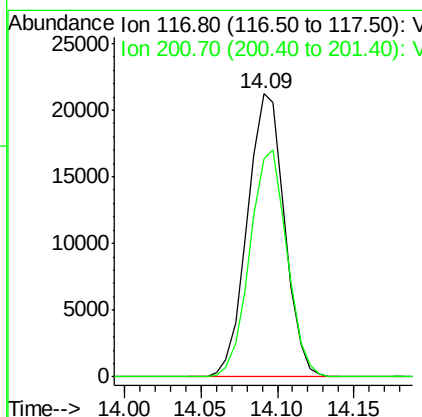
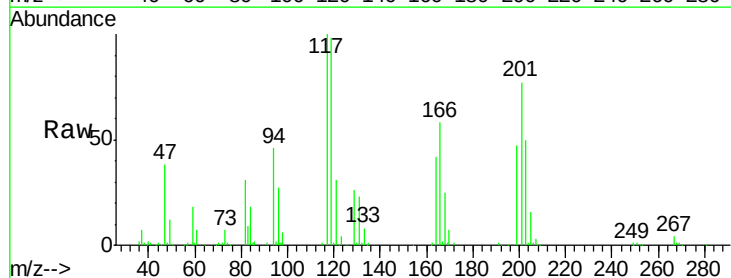
RT: 14.09 min Scan# 1999

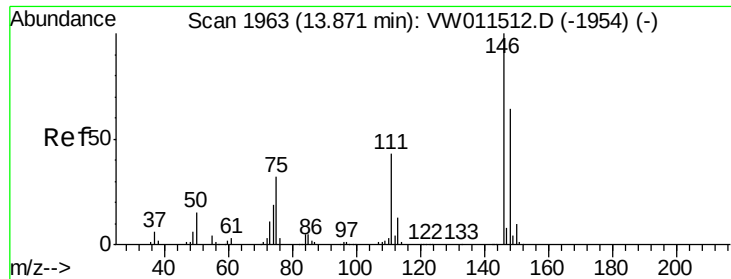
Delta R.T. 0.00 min

Lab File: VW011818.D

Acq: 09 Aug 2019 18:16

Tgt Ion:	117	Resp:	35781
Ion	Ratio	Lower	Upper
117	100		
201	80.2	39.4	118.2





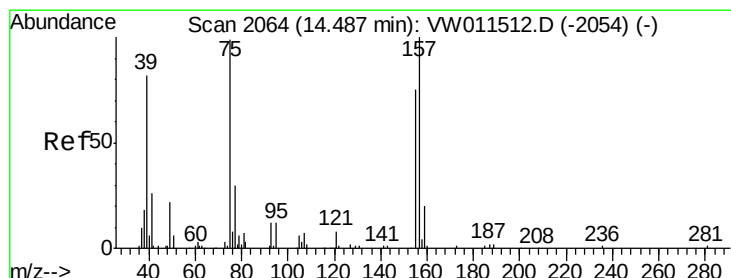
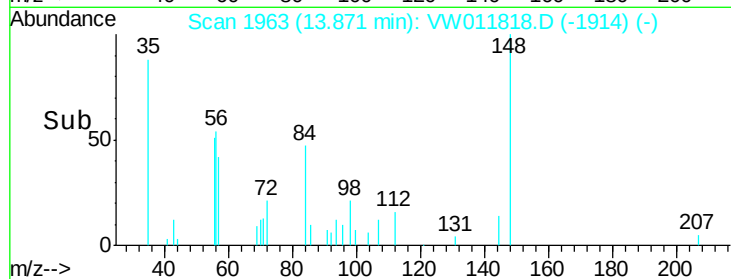
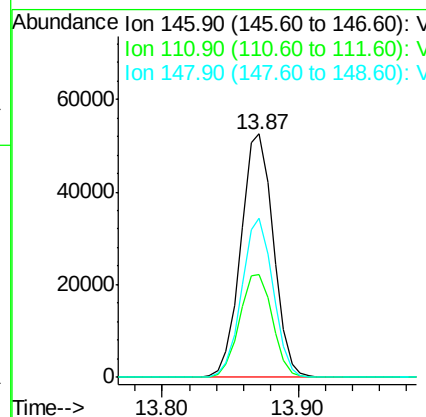
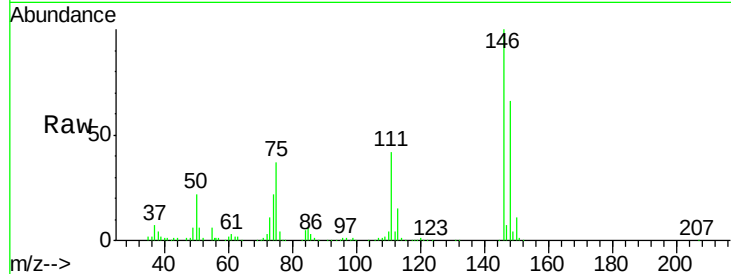
#91
 1,2-Dichlorobenzene
 Concen: 19.173 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011818.D
 Acq: 09 Aug 2019 18:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.6	65.0
148	63.5	32.0	96.2

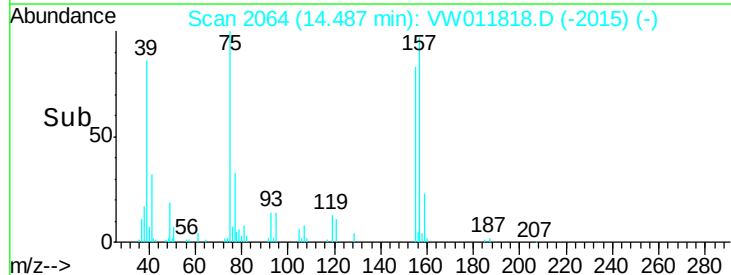
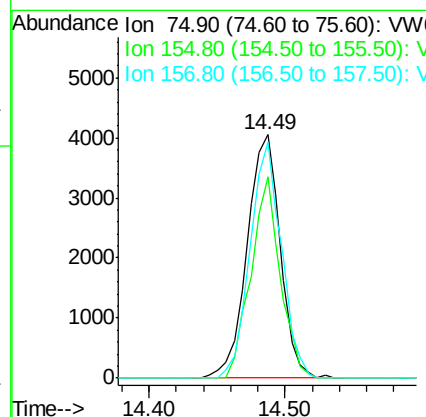
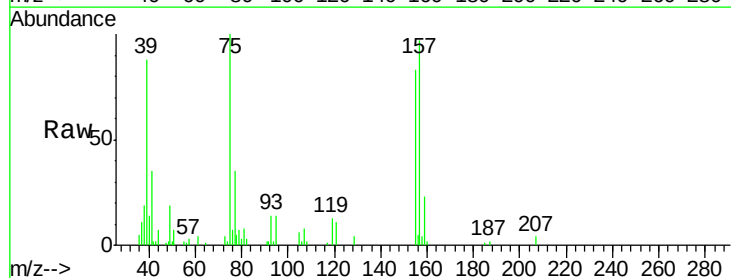
Manual Integrations
 APPROVED

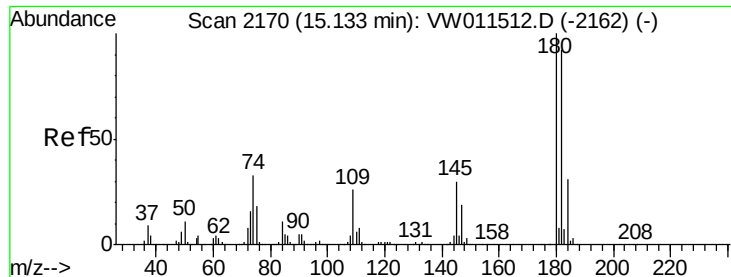
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.126 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW011818.D
 Acq: 09 Aug 2019 18:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.9	38.2	114.6
157	91.2	48.9	146.7





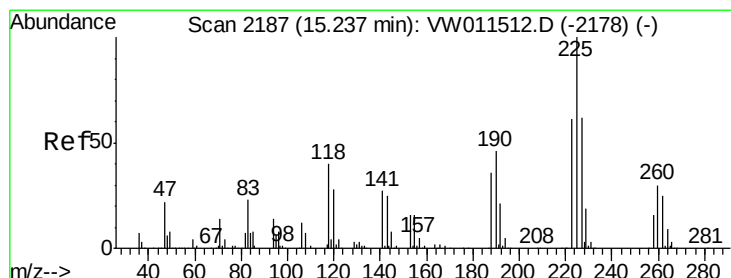
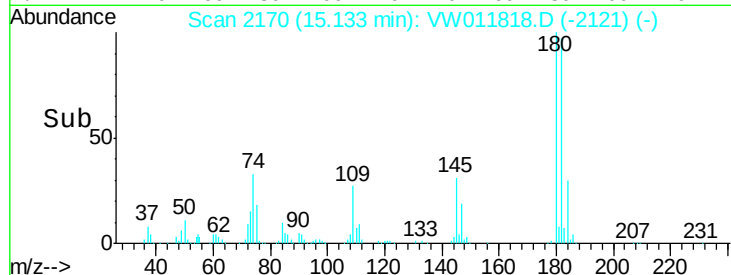
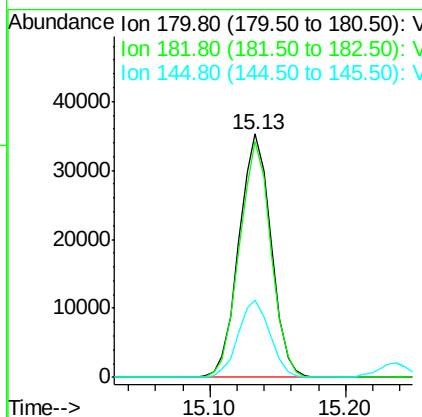
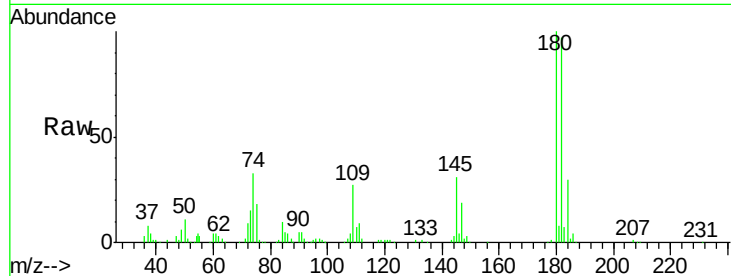
#93
 1,2,4-Trichlorobenzene
 Concen: 18.122 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW011818.D
 Acq: 09 Aug 2019 18:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	58218		
182	95.1		47.4	142.2
145	31.4		15.4	46.1

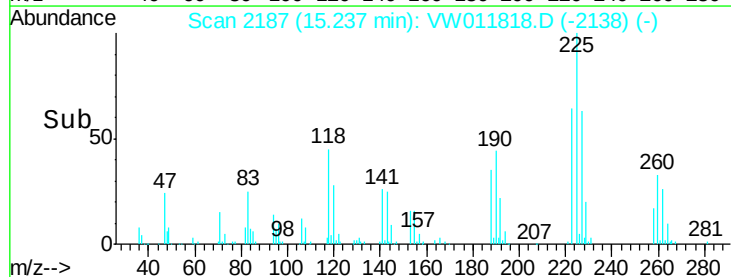
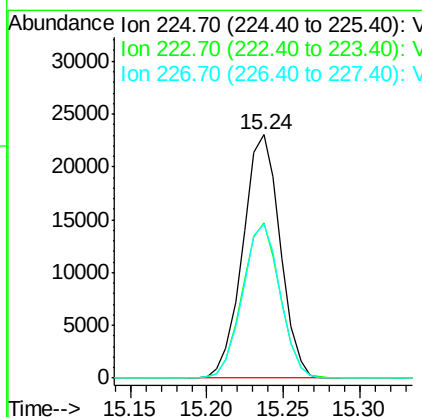
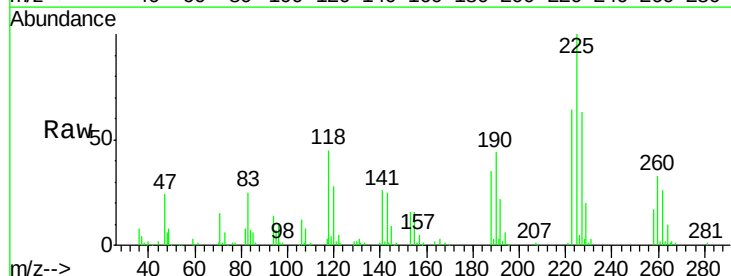
Manual Integrations
 APPROVED

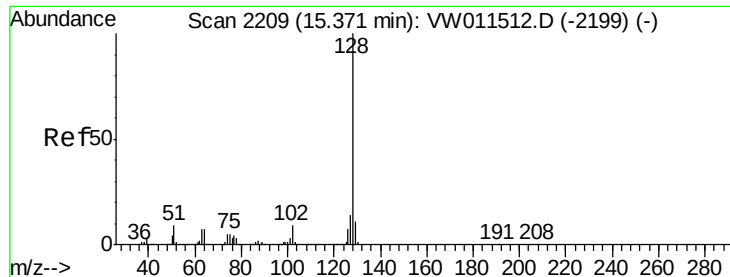
MMDadoda
 8/13/2019 2:44:06 PM



#94
 Hexachlorobutadiene
 Concen: 19.465 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW011818.D
 Acq: 09 Aug 2019 18:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	38998		
223	64.1		30.8	92.3
227	63.8		31.6	94.7





#95

Naphthalene

Concen: 17.092 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW011818.D

Acq: 09 Aug 2019 18:16

Instrument :

MSVOA_W

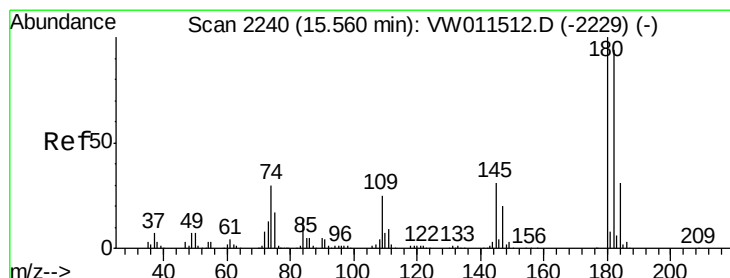
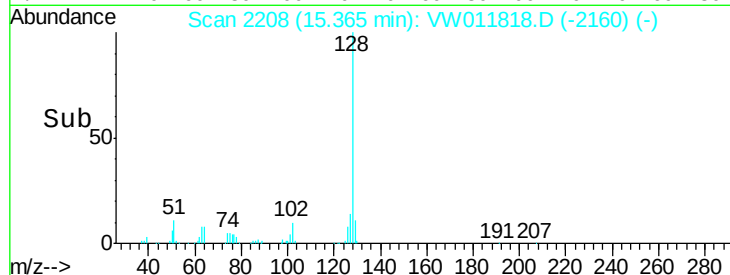
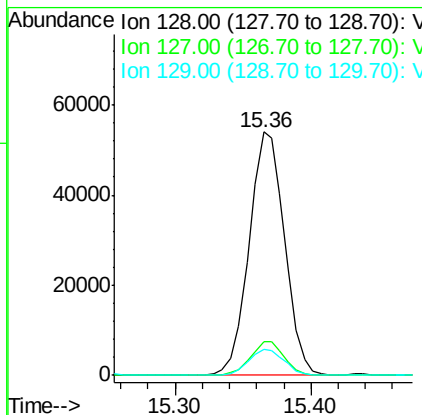
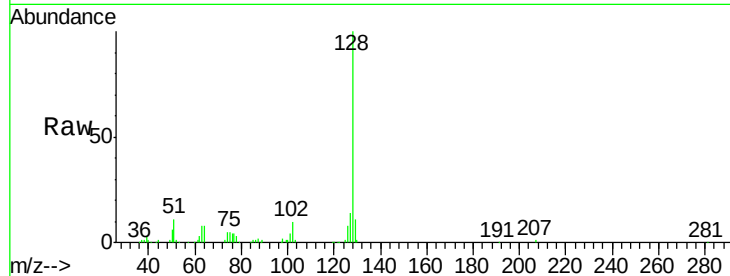
ClientSampleId :

VW0812SBS01

Tot Ion:	128	Resp:	98638
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.6	16.0
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
8/13/2019 2:44:06 PM



#96

1,2,3-Trichlorobenzene

Concen: 17.815 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW011818.D

Acq: 09 Aug 2019 18:16

Tgt Ion:	180	Resp:	50169
Ion Ratio	Lower	Upper	
180	100		
182	97.3	47.4	142.2
145	32.9	15.9	47.7

