

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070819\
 Data File : VW011157.D
 Acq On : 08 Jul 2019 11:34
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 7/9/2019 4:12:46 PM

Quant Time: Jul 09 05:57:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 09 05:44:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	236033	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	388578	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	342696	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	170624	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	58200	19.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.24%	
35) Dibromofluoromethane	7.88	113	45545	19.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.32%	
50) Toluene-d8	10.32	98	183487	19.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.20%	
62) 4-Bromofluorobenzene	12.62	95	66440	19.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.72%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	37369	21.228	ug/l 99
3) Chloromethane	2.21	50	45379	20.006	ug/l 98
4) Vinyl Chloride	2.35	62	60909	20.516	ug/l 97
5) Bromomethane	2.77	94	28685	19.228	ug/l 99
6) Chloroethane	2.92	64	31239	19.535	ug/l 99
7) Trichlorofluoromethane	3.24	101	19541	18.528	ug/l 99
8) Diethyl Ether	3.68	74	28785	19.725	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	49697	19.672	ug/l 99
10) Methyl Iodide	4.27	142	68195	19.627	ug/l 98
11) Tert butyl alcohol	5.17	59	22035	100.350	ug/l 99
12) 1,1-Dichloroethene	4.04	96	51288	19.560	ug/l 93
13) Acrolein	3.88	56	16395	93.766	ug/l 99
14) Allyl chloride	4.66	41	92928	19.435	ug/l 99
15) Acrylonitrile	5.36	53	73902	99.434	ug/l 99
16) Acetone	4.12	43	69387	97.233	ug/l 98
17) Carbon Disulfide	4.38	76	151941	19.114	ug/l 99
18) Methyl Acetate	4.67	43	46977	21.050	ug/l 100
19) Methyl tert-butyl Ether	5.42	73	79996	20.107	ug/l 100
20) Methylene Chloride	4.92	84	55838	19.835	ug/l 98
21) trans-1,2-Dichloroethene	5.42	96	52625	19.315	ug/l 99
22) Diisopropyl ether	6.31	45	204864	19.920	ug/l 97
23) Vinyl Acetate	6.25	43	623568	97.975	ug/l 100
24) 1,1-Dichloroethane	6.21	63	105887	19.608	ug/l 99
25) 2-Butanone	7.17	43	109879	98.090	ug/l 97
26) 2,2-Dichloropropane	7.16	77	54588	19.446	ug/l 99
27) cis-1,2-Dichloroethene	7.16	96	57795	19.664	ug/l 99
28) Bromochloromethane	7.51	49	50178	20.435	ug/l # 100
29) Tetrahydrofuran	7.52	42	73376	99.897	ug/l 99
30) Chloroform	7.67	83	98241	19.643	ug/l 99
31) Cyclohexane	7.95	56	111101	19.338	ug/l 94
32) 1,1,1-Trichloroethane	7.87	97	74489	19.580	ug/l 100
36) 1,1-Dichloropropene	8.08	75	81666	19.736	ug/l 99
37) Ethyl Acetate	7.25	43	50467	20.299	ug/l 99
38) Carbon Tetrachloride	8.06	117	66764	19.033	ug/l 94

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	97507	19.441	ug/l	98
40) Benzene	8.32	78	224936	19.669	ug/l	99
41) Methacrylonitrile	7.48	41	28927	20.343	ug/l	94
42) 1,2-Dichloroethane	8.40	62	73720	19.872	ug/l	100
43) Isopropyl Acetate	8.42	43	92697	19.748	ug/l	99
44) Trichloroethene	9.09	130	53741	19.528	ug/l	97
45) 1,2-Dichloropropane	9.37	63	60480	19.530	ug/l	98
46) Dibromomethane	9.46	93	28872	19.847	ug/l	99
47) Bromodichloromethane	9.64	83	72350	19.438	ug/l	97
48) Methyl methacrylate	9.43	41	44852	19.861	ug/l	99
49) 1,4-Dioxane	9.44	88	9734	400.878	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	246625	100.582	ug/l	99
52) Toluene	10.38	92	136730	19.710	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	77196	19.484	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	90976	19.508	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	40820	19.780	ug/l	95
56) Ethyl methacrylate	10.65	69	61687	19.633	ug/l	99
57) 1,3-Dichloropropane	10.93	76	77823	19.942	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	146338	100.464	ug/l	100
59) 2-Hexanone	10.97	43	170291	100.144	ug/l	99
60) Dibromochloromethane	11.13	129	43484	19.215	ug/l	100
61) 1,2-Dibromoethane	11.24	107	38353	19.620	ug/l	100
64) Tetrachloroethene	10.86	164	45543	19.695	ug/l	97
65) Chlorobenzene	11.66	112	137307	19.707	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	47956	19.548	ug/l	99
67) Ethyl Benzene	11.73	91	259295	19.440	ug/l	98
68) m/p-Xylenes	11.84	106	190910	39.556	ug/l	99
69) o-Xylene	12.16	106	90449	19.884	ug/l	99
70) Styrene	12.18	104	154554	19.687	ug/l	100
71) Bromoform	12.35	173	24941	19.122	ug/l #	97
73) Isopropylbenzene	12.46	105	243484	19.090	ug/l	99
74) N-amyl acetate	12.27	43	87247	19.641	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	50808	19.433	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	36266m	18.343	ug/l	
77) Bromobenzene	12.75	156	54933	19.191	ug/l	99
78) n-propylbenzene	12.80	91	303397	19.310	ug/l	100
79) 2-Chlorotoluene	12.90	91	174526	19.303	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	208965	19.285	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	16631	19.077	ug/l	99
82) 4-Chlorotoluene	12.99	91	183287	19.463	ug/l	99
83) tert-Butylbenzene	13.21	119	174718	19.334	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	212859	19.563	ug/l	99
85) sec-Butylbenzene	13.38	105	250246	19.191	ug/l	99
86) p-Isopropyltoluene	13.50	119	228496	19.537	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	106995	19.428	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	108421	19.550	ug/l	99
89) n-Butylbenzene	13.82	91	226027	19.372	ug/l	100
90) Hexachloroethane	14.10	117	40419	18.912	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	97921	19.599	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8855	19.094	ug/l	99

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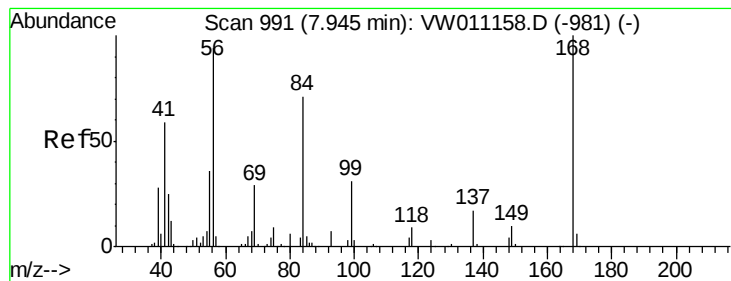
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	67288	19.553	ug/l	99
94) Hexachlorobutadiene	15.24	225	41320	19.558	ug/l	99
95) Naphthalene	15.37	128	127481	19.331	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	59739	19.670	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW011157.D

Acq: 08 Jul 2019 11:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 236033

Ion Ratio Lower Upper

168 100

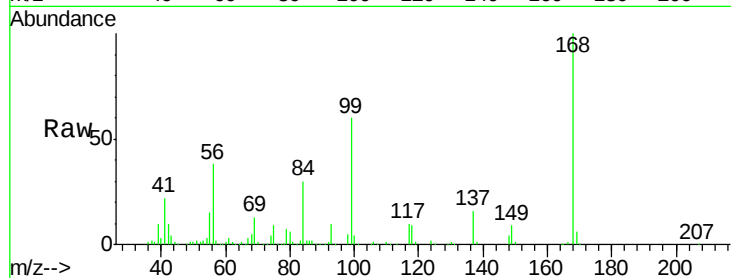
99 59.6 50.1 75.1

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

60000

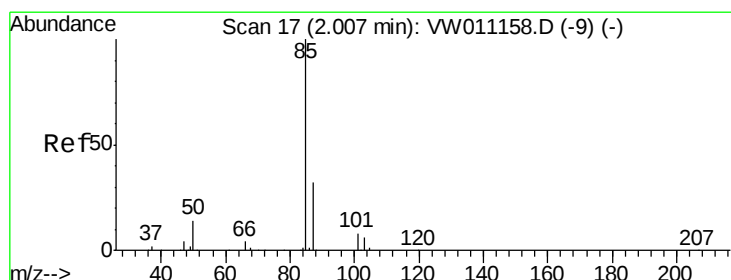
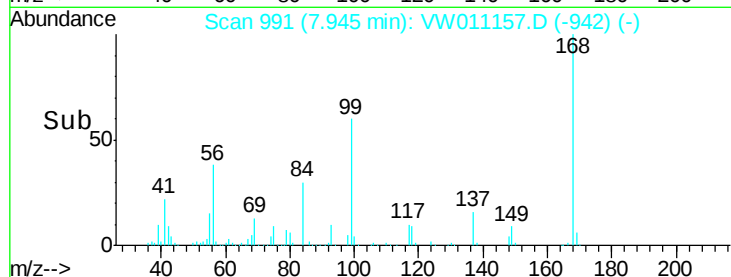
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.228 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW011157.D

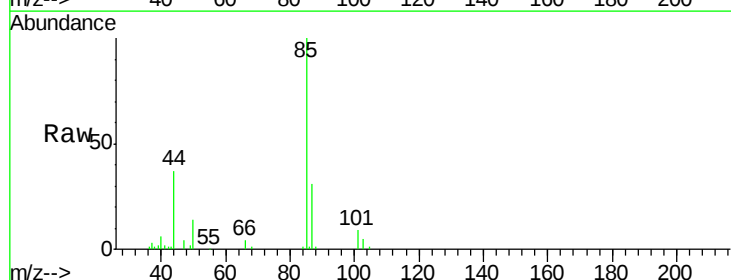
Acq: 08 Jul 2019 11:34

Tgt Ion: 85 Resp: 37369

Ion Ratio Lower Upper

85 100

87 30.9 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

15000

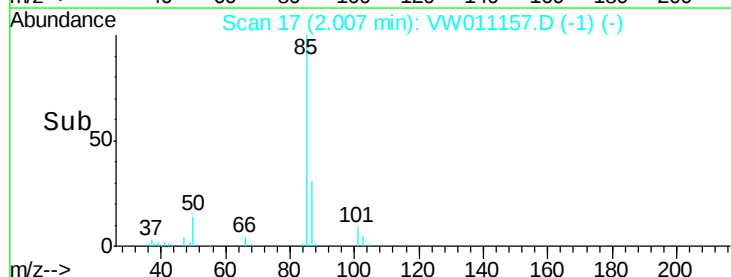
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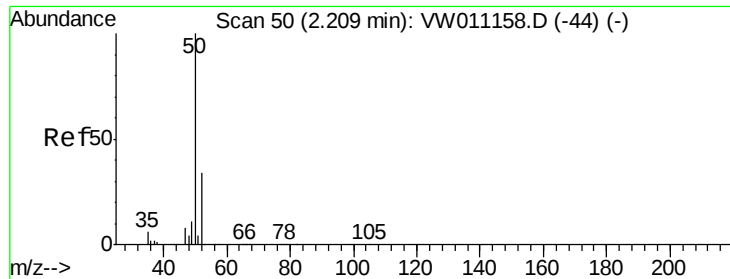
5000

0

2.00 2.20

Time-->





#3

Chloromethane

Concen: 20.006 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW011157.D

Acq: 08 Jul 2019 11:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 45379

Ion Ratio Lower Upper

50 100

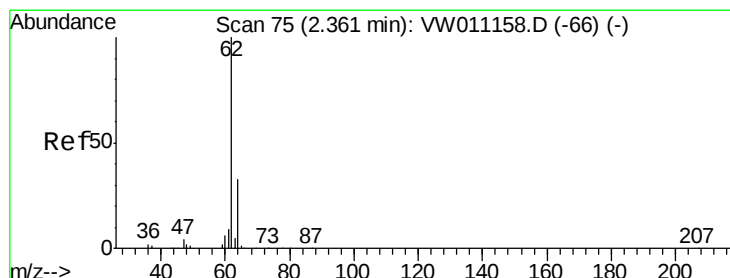
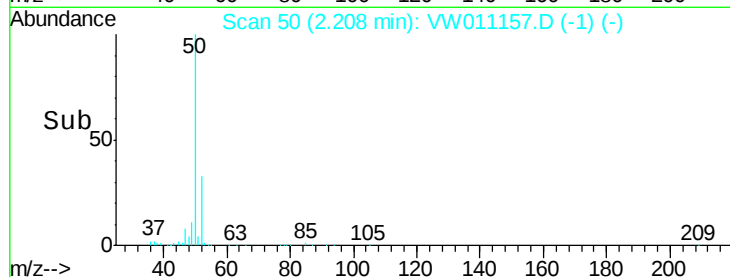
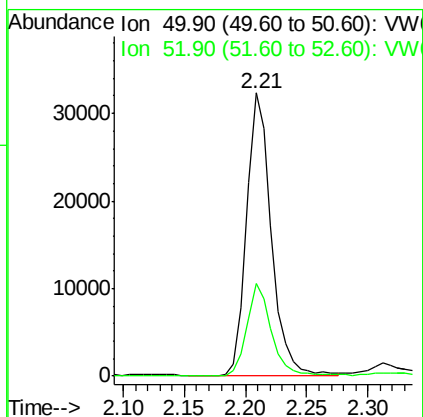
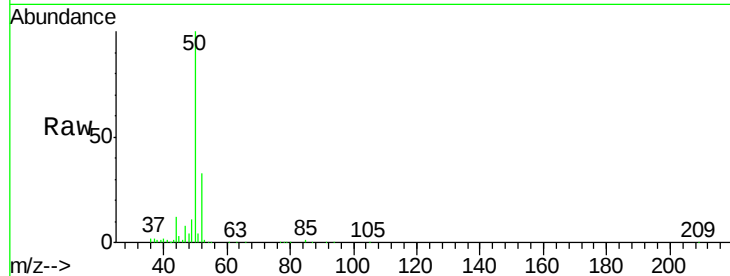
52 32.6 26.9 40.3

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#4

Vinyl Chloride

Concen: 20.516 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011157.D

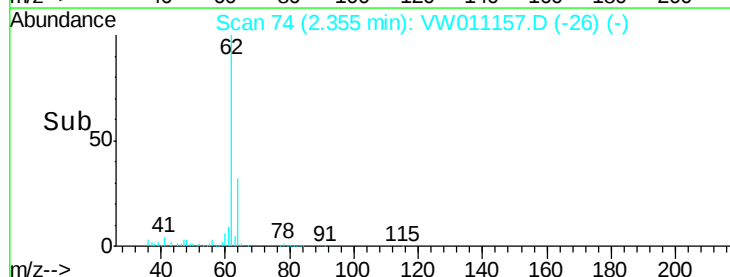
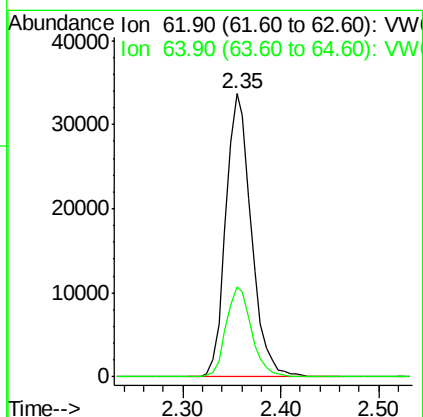
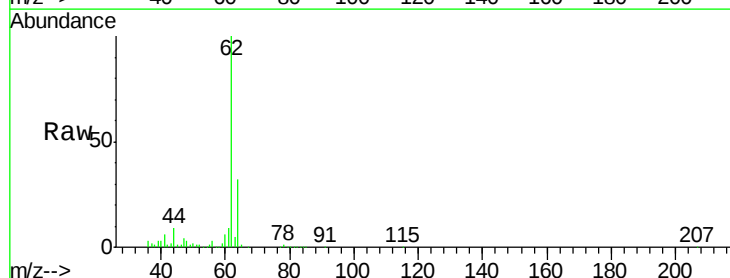
Acq: 08 Jul 2019 11:34

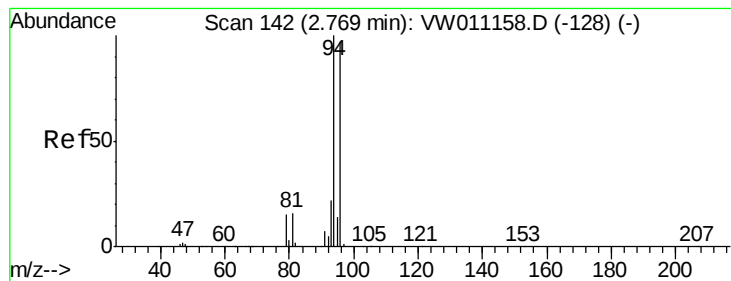
Tgt Ion: 62 Resp: 60909

Ion Ratio Lower Upper

62 100

64 31.7 26.6 40.0





#5

Bromomethane

Concen: 19.228 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW011157.D

Acq: 08 Jul 2019 11:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 28685

Ion Ratio Lower Upper

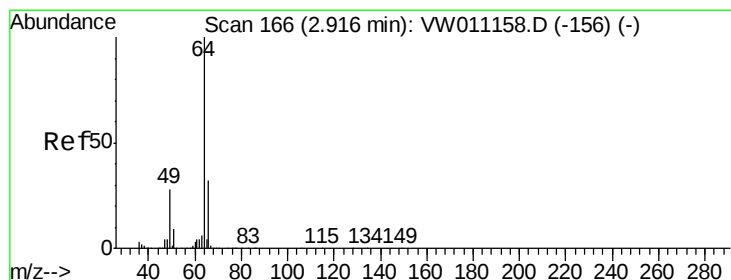
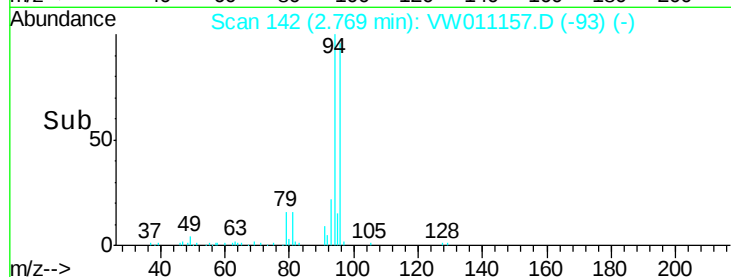
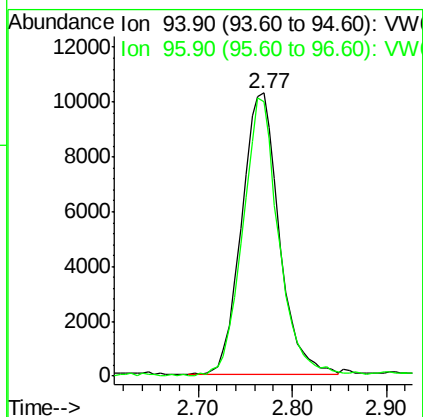
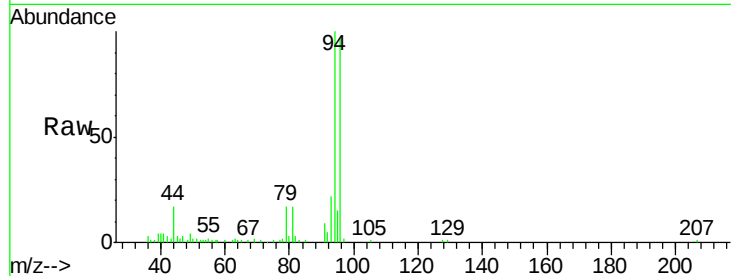
94 100

96 97.3 77.4 116.0

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#6

Chloroethane

Concen: 19.535 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW011157.D

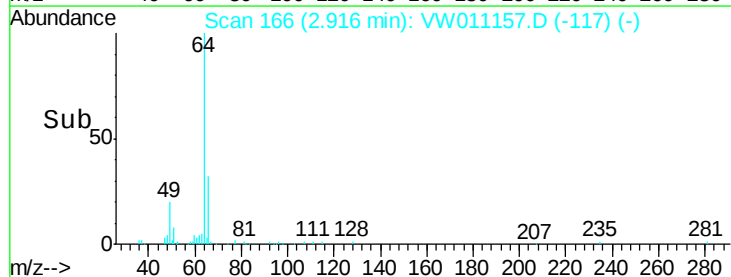
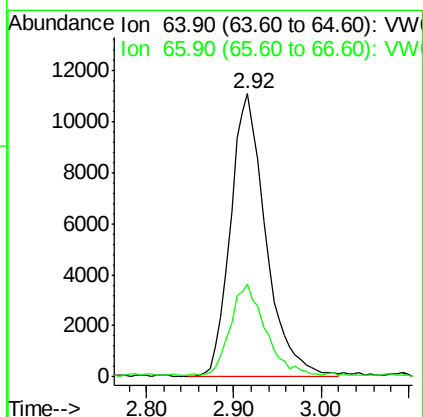
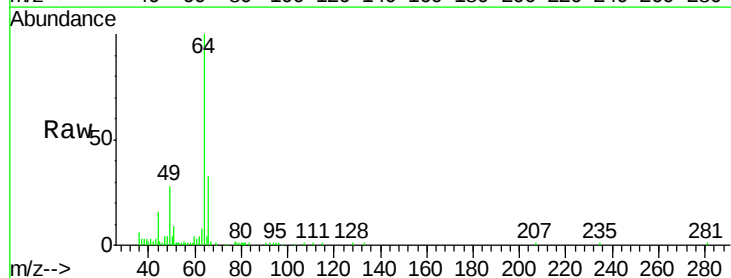
Acq: 08 Jul 2019 11:34

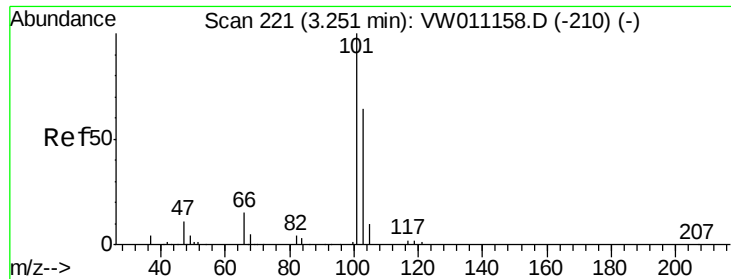
Tgt Ion: 64 Resp: 31239

Ion Ratio Lower Upper

64 100

66 31.9 25.8 38.8





#7

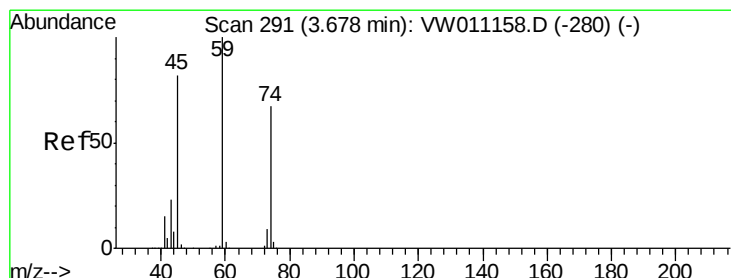
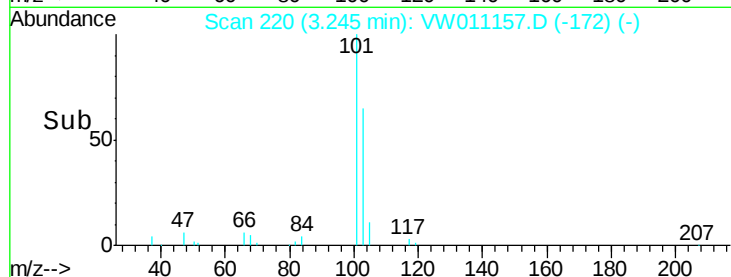
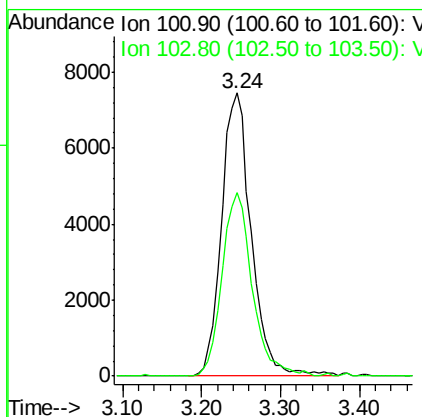
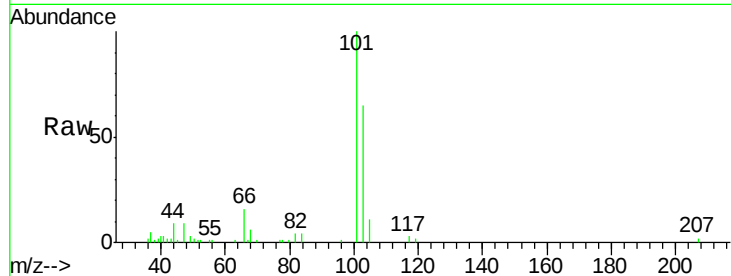
Trichlorofluoromethane
 Concen: 18.528 ug/l
 RT: 3.24 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW011157.D
 Acq: 08 Jul 2019 11:34

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 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
101	100	19541		
103	65.0	51.3	76.9	

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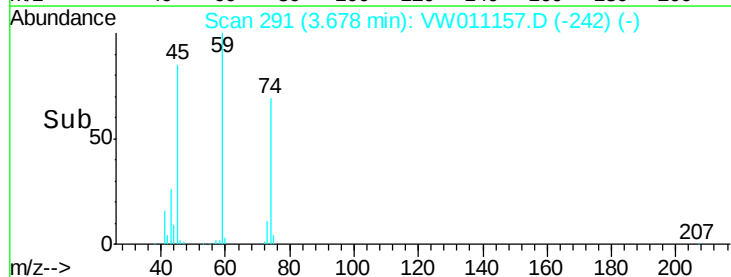
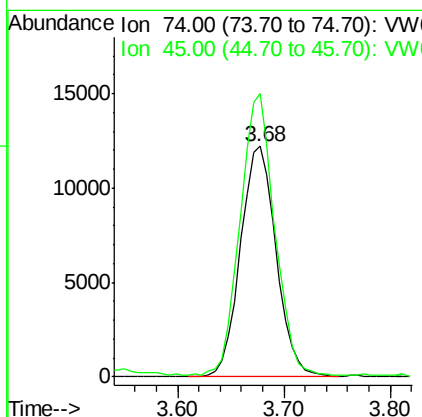
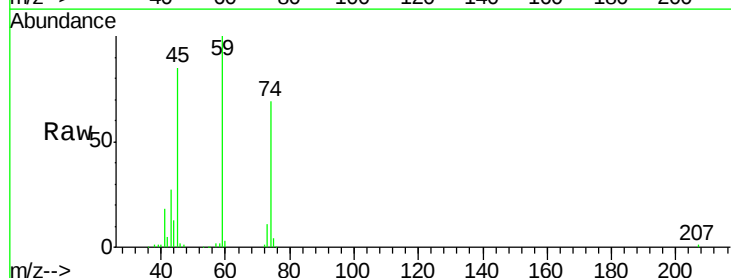
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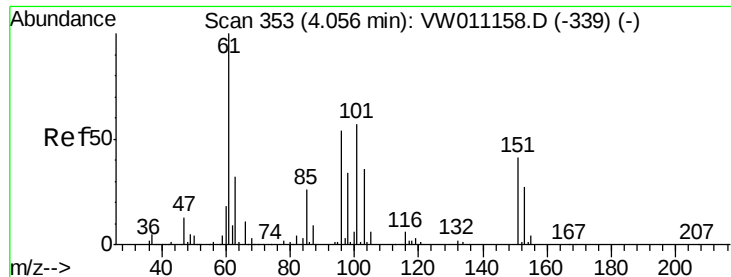


#8

Diethyl Ether
 Concen: 19.725 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW011157.D
 Acq: 08 Jul 2019 11:34

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	28785		
45	118.6	59.9	179.7	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.672 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.00 min

Lab File: VW011157.D

Acq: 08 Jul 2019 11:34

Instrument :

MSVOA_W

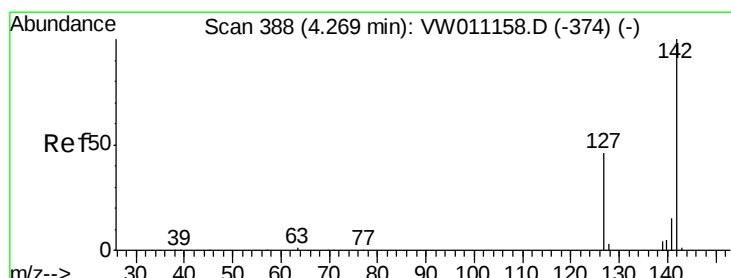
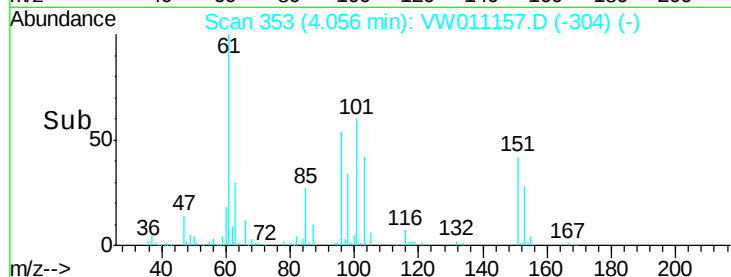
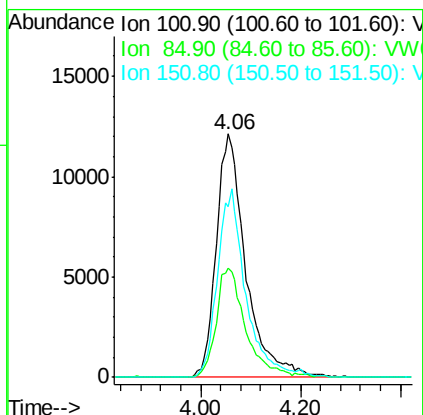
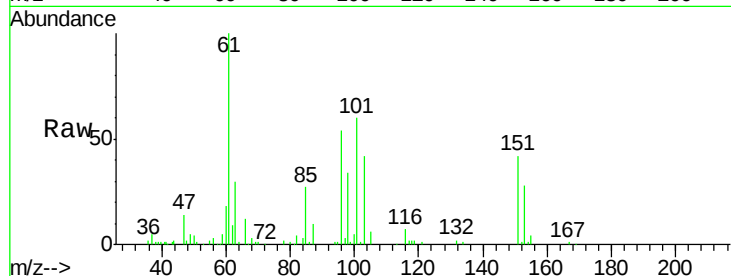
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	49697
Ion Ratio	Lower	Upper	
101	100		
85	44.4	36.5	54.7
151	73.0	59.1	88.7

Manual Integrations
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#10

Methyl Iodide

Concen: 19.627 ug/l

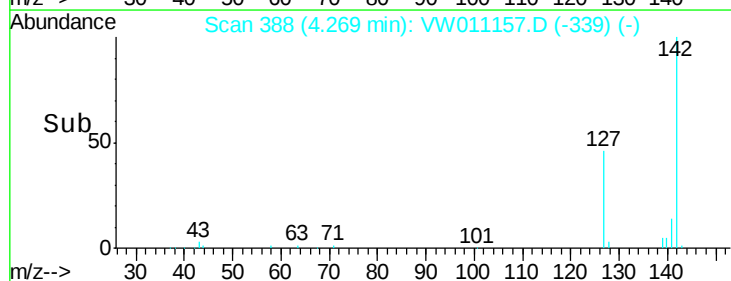
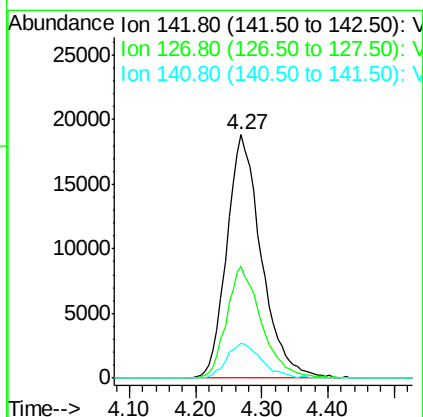
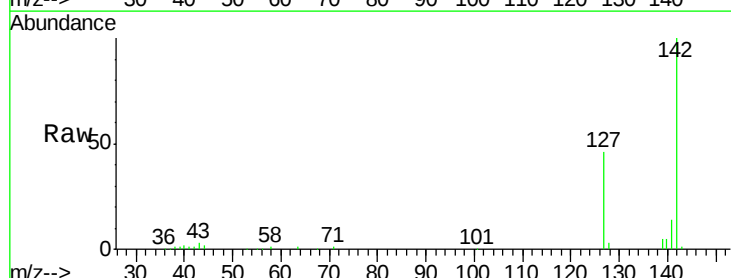
RT: 4.27 min Scan# 388

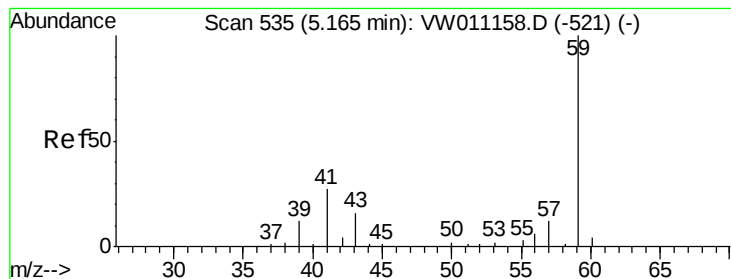
Delta R.T. -0.00 min

Lab File: VW011157.D

Acq: 08 Jul 2019 11:34

Tgt Ion:	142	Resp:	68195
Ion Ratio	Lower	Upper	
142	100		
127	46.1	35.7	53.5
141	14.5	11.5	17.3





#11

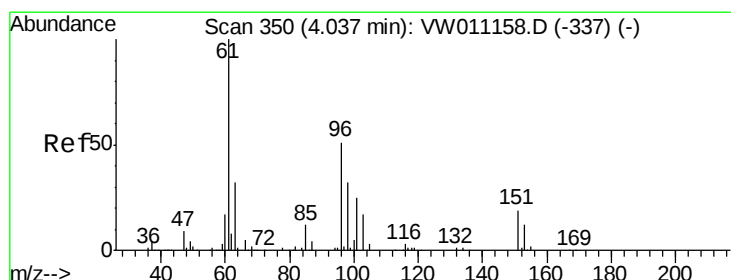
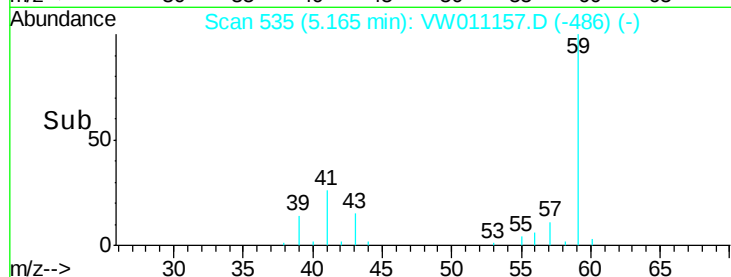
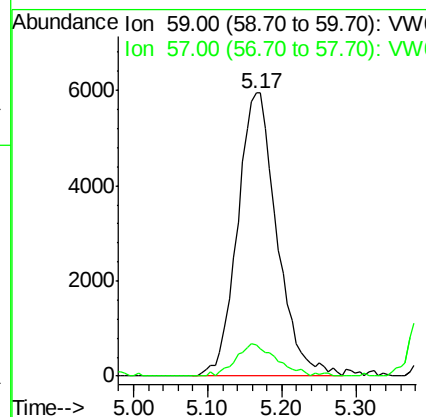
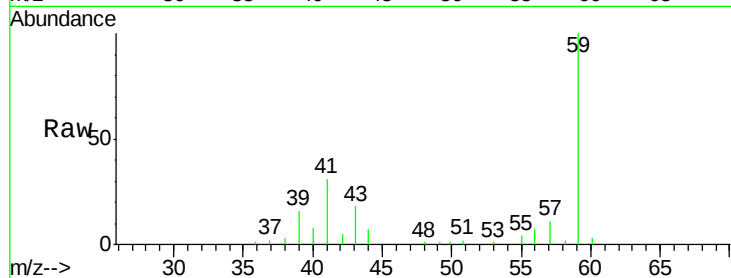
Tert butyl alcohol
 Concen: 100.350 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. -0.00 min
 Lab File: VW011157.D
 Acq: 08 Jul 2019 11:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	59	57	Ratio	100	11.5	Resp	22035	Lower	9.0	Upper	13.6
Ion											

Manual Integrations
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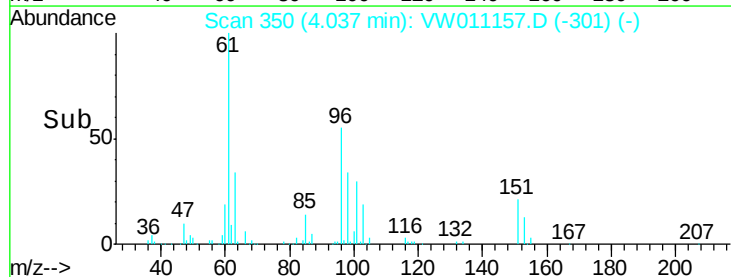
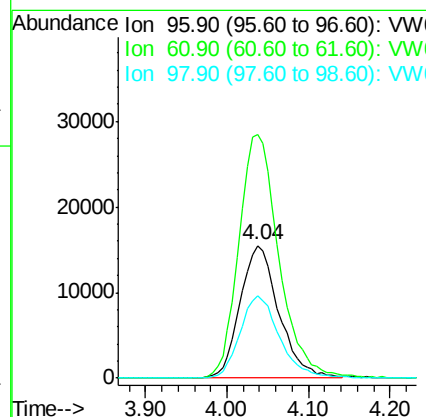
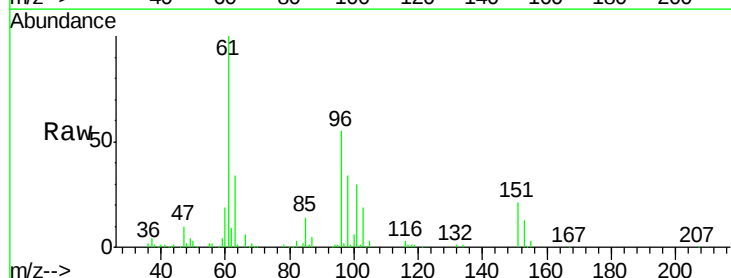
MMDadoda
 7/9/2019 4:12:46 PM

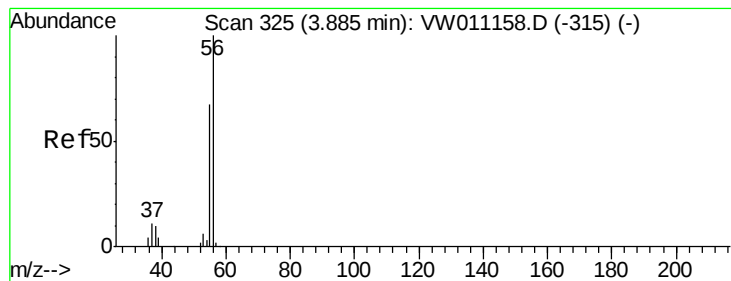


#12

1,1-Dichloroethene
 Concen: 19.560 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW011157.D
 Acq: 08 Jul 2019 11:34

Tgt Ion	96	61	98	Ratio	100	183.4	62.2	Resp	51288	Lower	157.7	Upper	236.5	76.3
Ion														





#13

Acrolein

Concen: 93.766 ug/l

RT: 3.88 min Scan# 325

Delta R.T. -0.00 min

Lab File: VW011157.D

Acq: 08 Jul 2019 11:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 16395

Ion Ratio Lower Upper

56 100

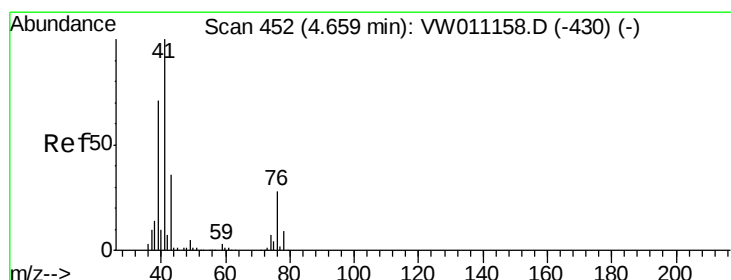
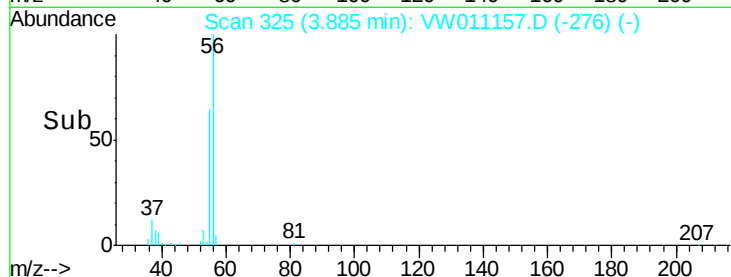
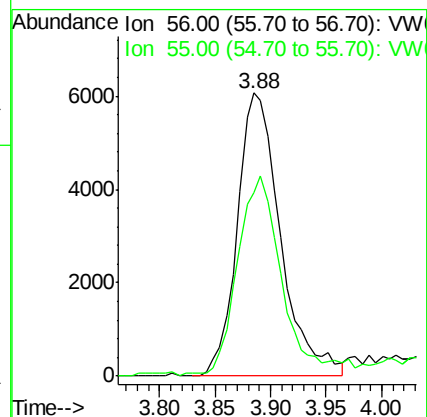
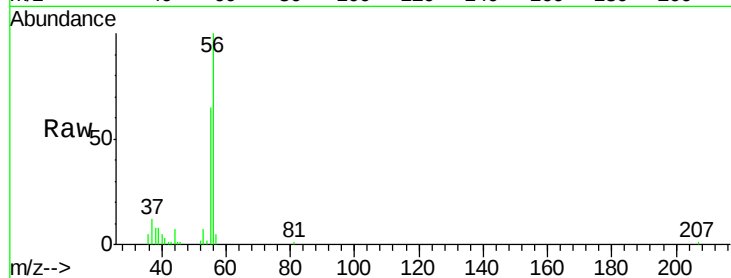
55 71.2 56.4 84.6

Manual Integrations

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#14

Allyl chloride

Concen: 19.435 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW011157.D

Acq: 08 Jul 2019 11:34

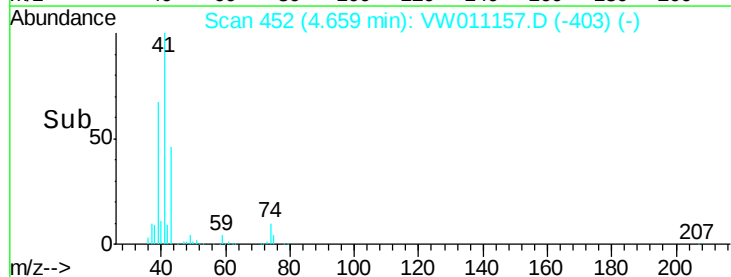
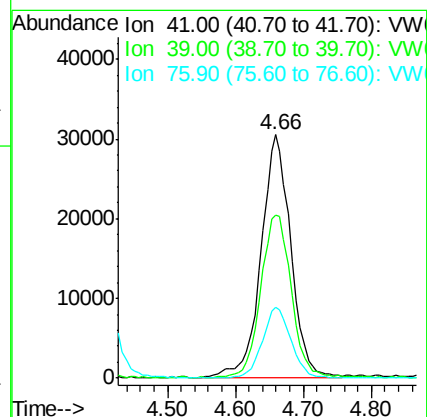
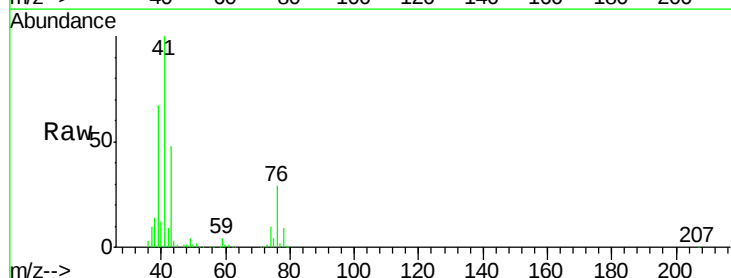
Tgt Ion: 41 Resp: 92928

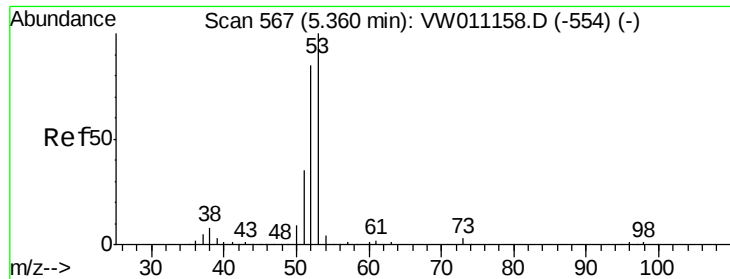
Ion Ratio Lower Upper

41 100

39 69.8 55.1 82.7

76 28.1 22.5 33.7





#15

Acrylonitrile

Concen: 99.434 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW011157.D

Acq: 08 Jul 2019 11:34

Instrument :

MSVOA_W

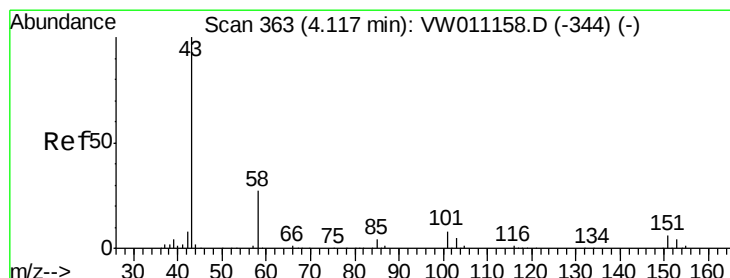
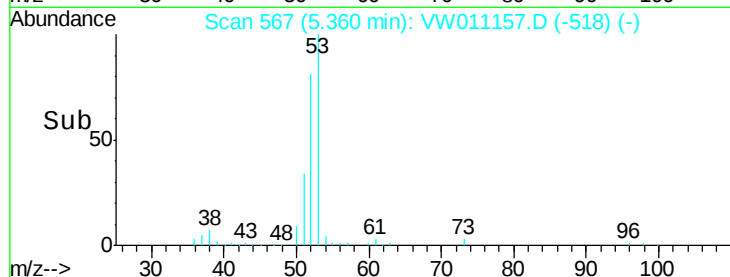
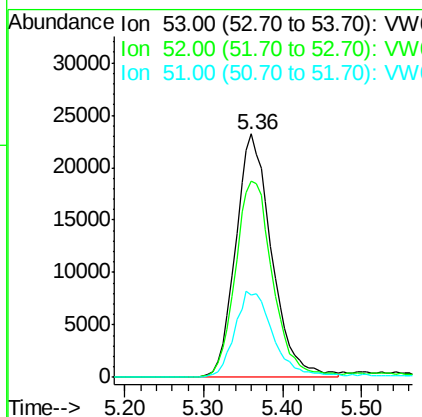
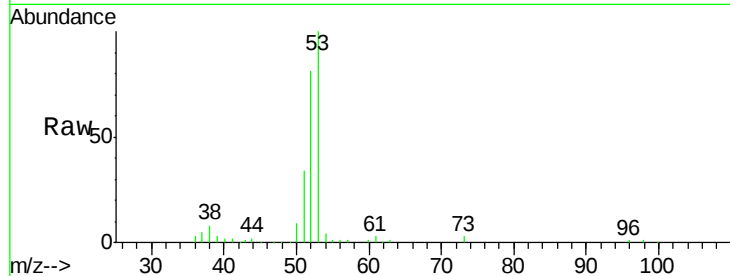
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	73902
Ion	Ratio	Lower	Upper
53	100		
52	83.4	66.2	99.4
51	37.5	29.1	43.7

Manual Integrations
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#16

Acetone

Concen: 97.233 ug/l

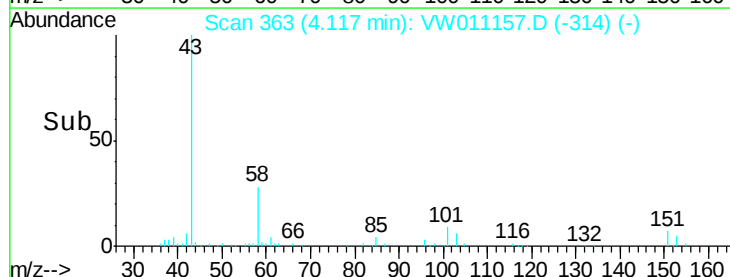
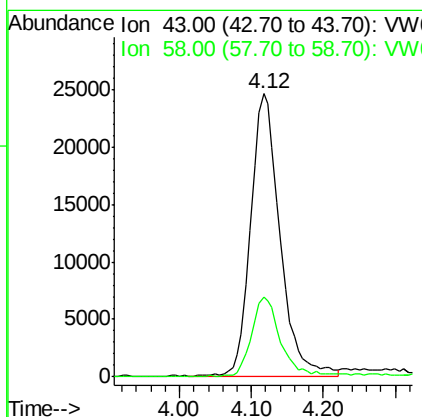
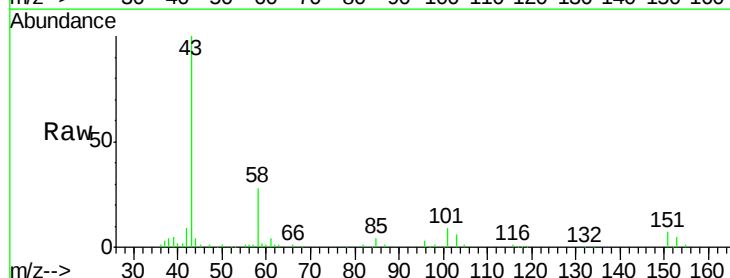
RT: 4.12 min Scan# 363

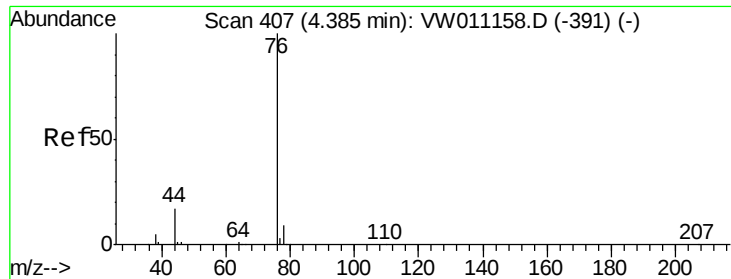
Delta R.T. -0.00 min

Lab File: VW011157.D

Acq: 08 Jul 2019 11:34

Tgt Ion:	43	Resp:	69387
Ion	Ratio	Lower	Upper
43	100		
58	28.2	21.8	32.6





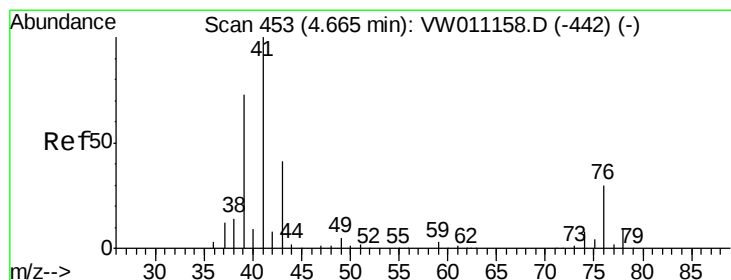
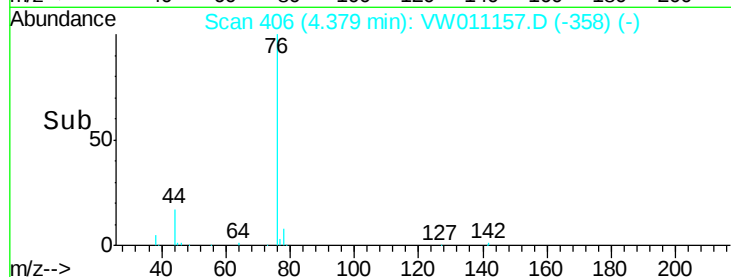
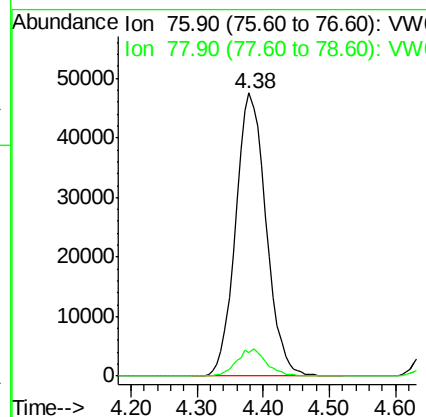
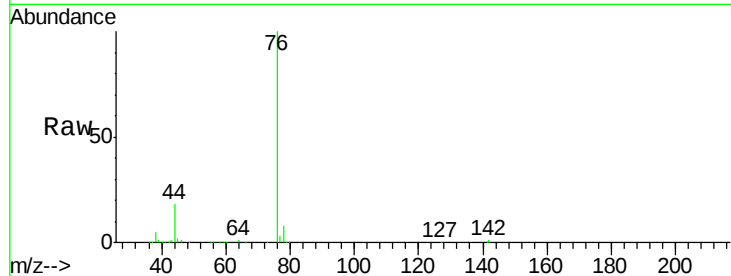
#17
Carbon Disulfide
Concen: 19.114 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW011157.D
Acq: 08 Jul 2019 11:34

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.4	7.1	10.7

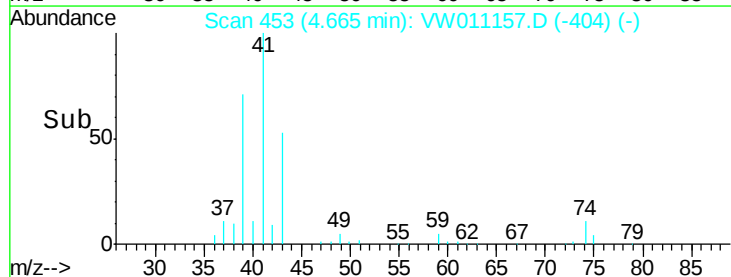
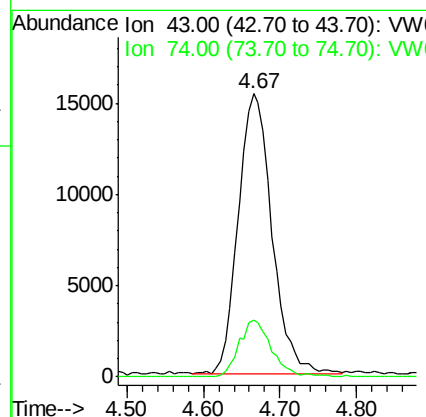
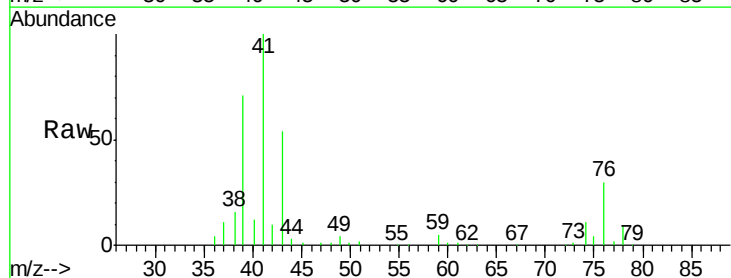
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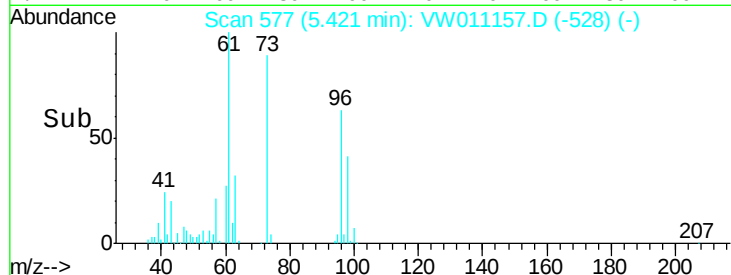
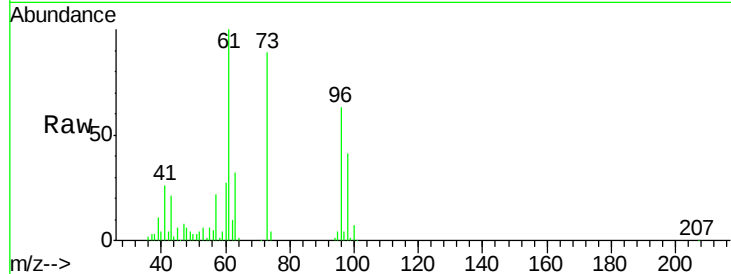
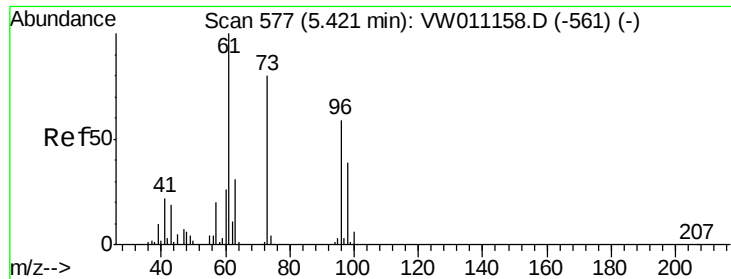
MMDadoda
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#18
Methyl Acetate
Concen: 21.050 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW011157.D
Acq: 08 Jul 2019 11:34

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.6	15.7	23.5





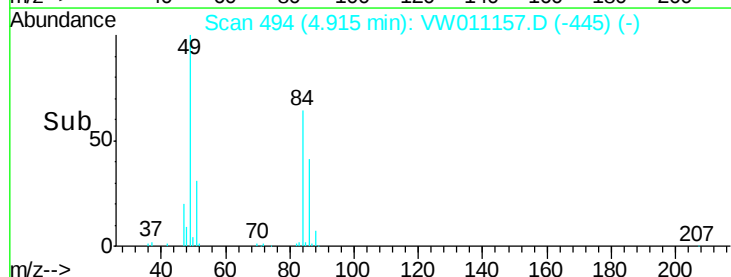
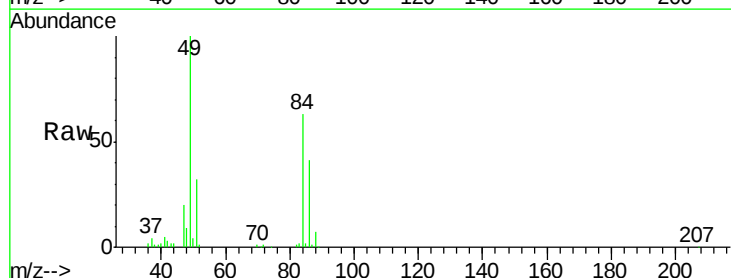
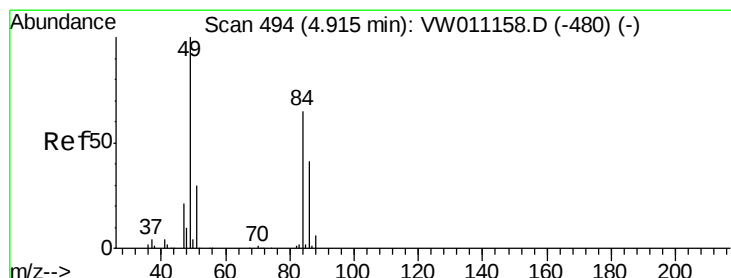
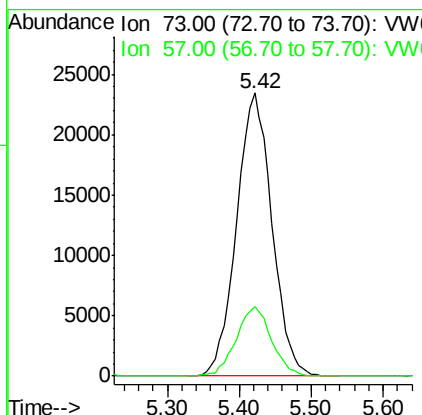
#19
Methyl tert-butyl Ether
Concen: 20.107 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW011157.D
Acq: 08 Jul 2019 11:34

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.6	19.7	29.5

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

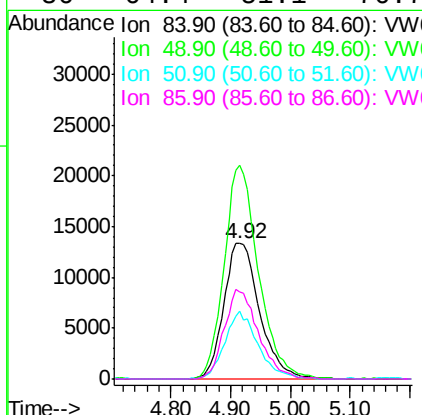
Manual Integrations
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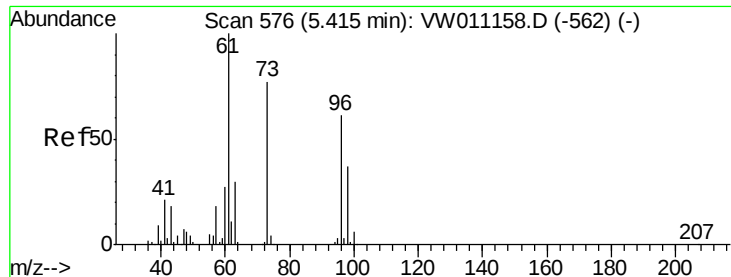
MMDadoda
7/9/2019 4:12:46 PM



#20
Methylene Chloride
Concen: 19.835 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW011157.D
Acq: 08 Jul 2019 11:34

Tgt Ion	Ratio	Lower	Upper
84	100		
49	157.5	123.8	185.6
51	49.8	37.4	56.2
86	64.4	51.1	76.7





#21

trans-1,2-Dichloroethene

Concen: 19.315 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW011157.D

Acq: 08 Jul 2019 11:34

Instrument :

MSVOA_W

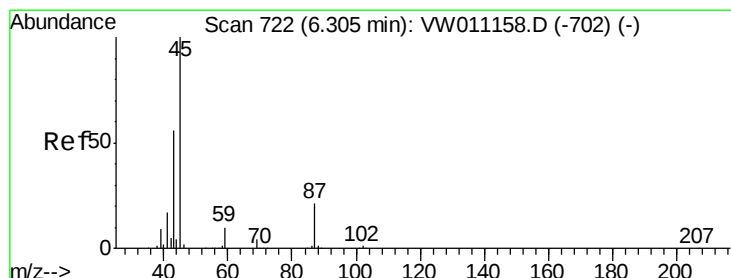
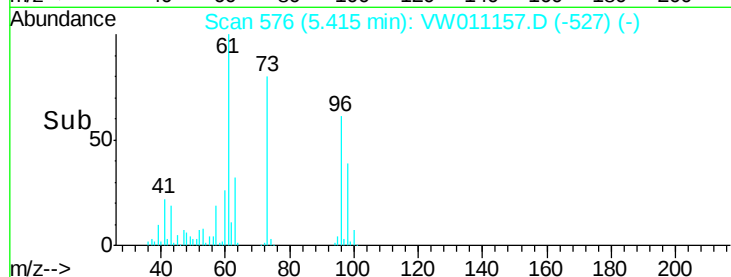
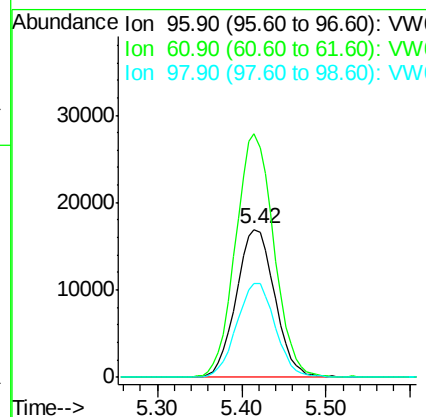
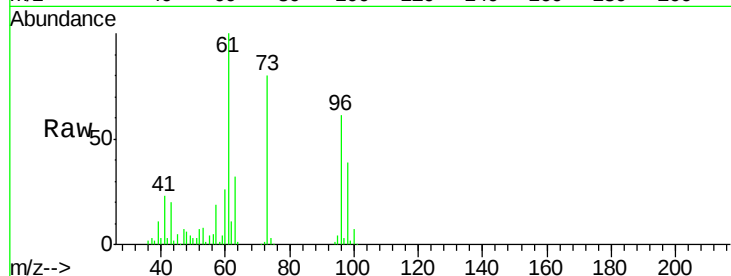
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	52625
Ion	Ratio	Lower	Upper
96	100		
61	164.4	132.2	198.2
98	63.5	49.4	74.0

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#22

Diisopropyl ether

Concen: 19.920 ug/l

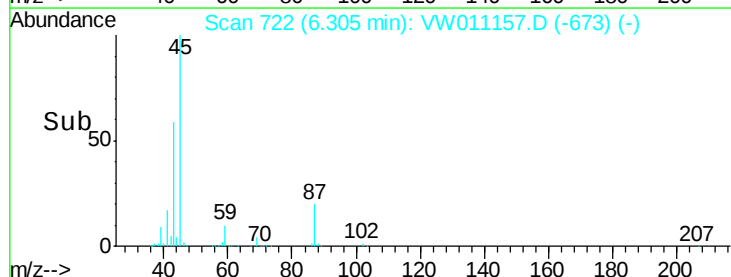
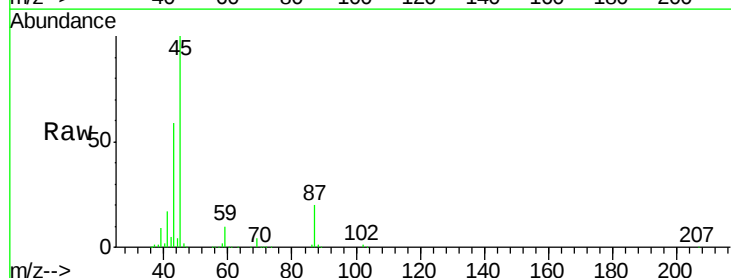
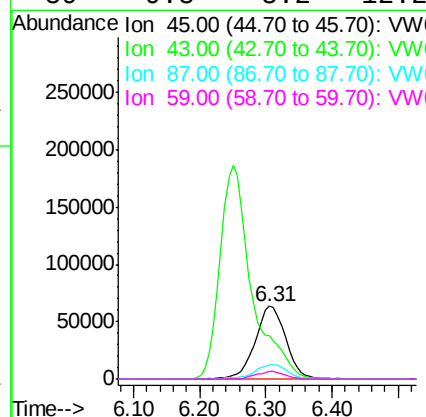
RT: 6.31 min Scan# 722

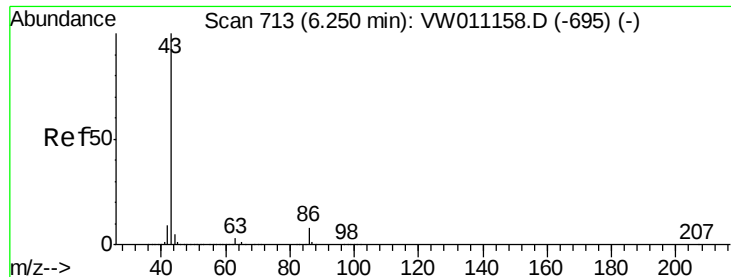
Delta R.T. -0.00 min

Lab File: VW011157.D

Acq: 08 Jul 2019 11:34

Tgt Ion:	45	Resp:	204864
Ion	Ratio	Lower	Upper
45	100		
43	58.6	44.6	66.8
87	20.4	17.3	25.9
59	9.8	8.2	12.2





#23

Vinyl Acetate

Concen: 97.975 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW011157.D

Acq: 08 Jul 2019 11:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 623568

Ion Ratio Lower Upper

43 100

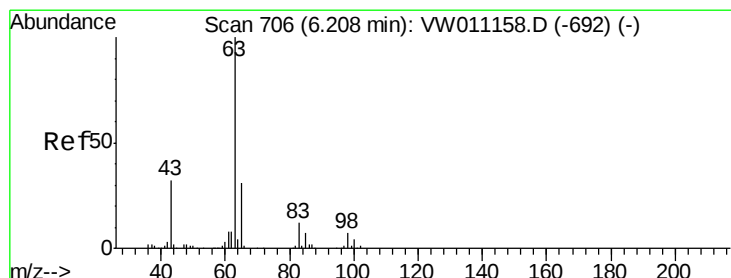
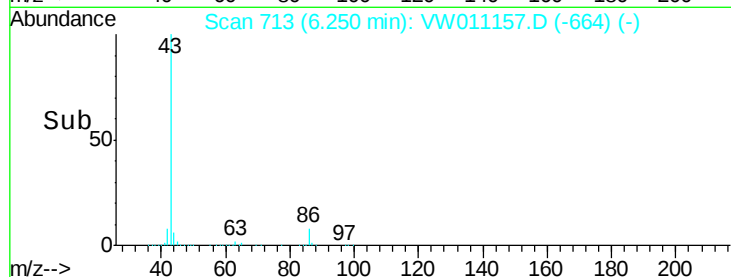
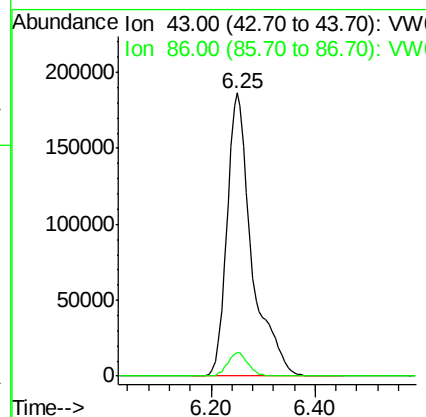
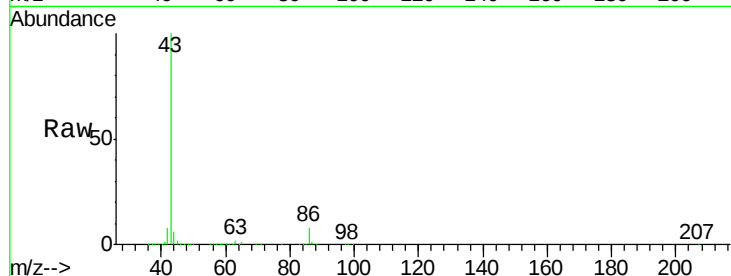
86 8.2 6.5 9.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.608 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW011157.D

Acq: 08 Jul 2019 11:34

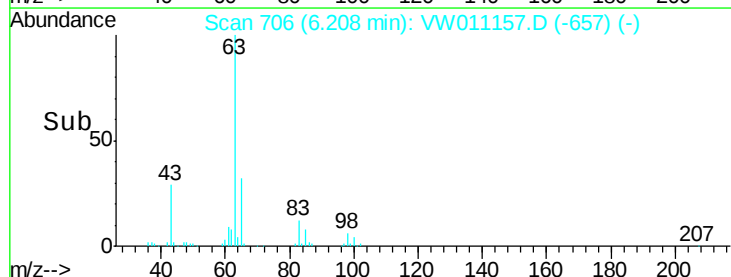
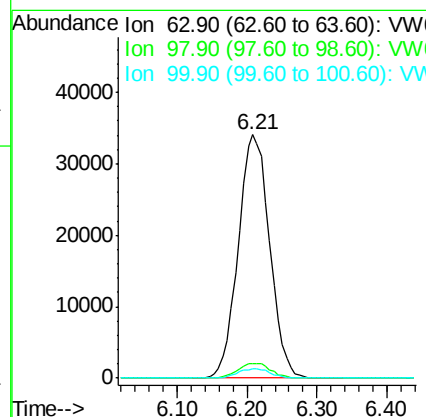
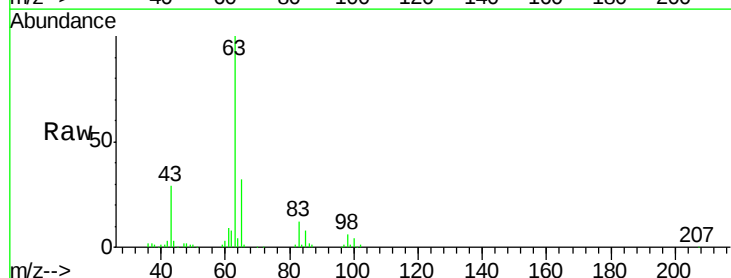
Tgt Ion: 63 Resp: 105887

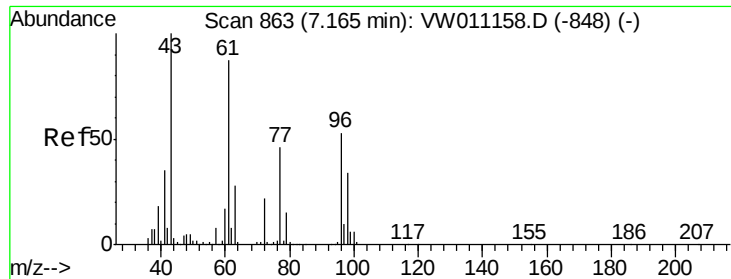
Ion Ratio Lower Upper

63 100

98 5.9 3.3 9.9

100 3.8 2.1 6.2





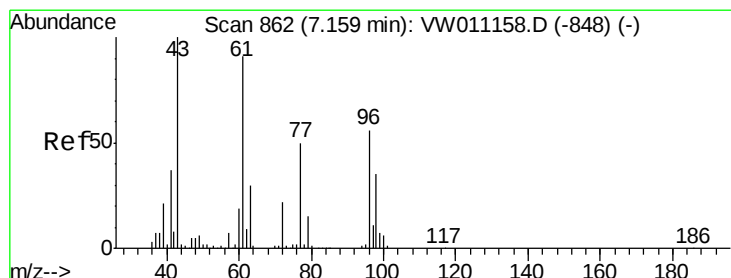
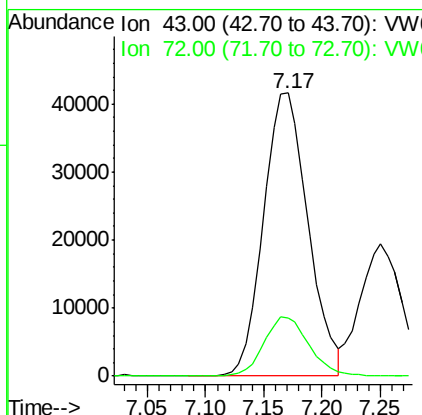
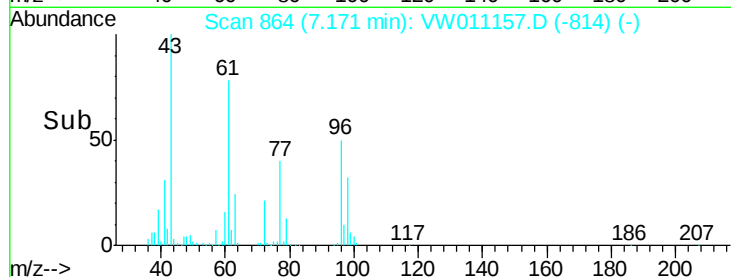
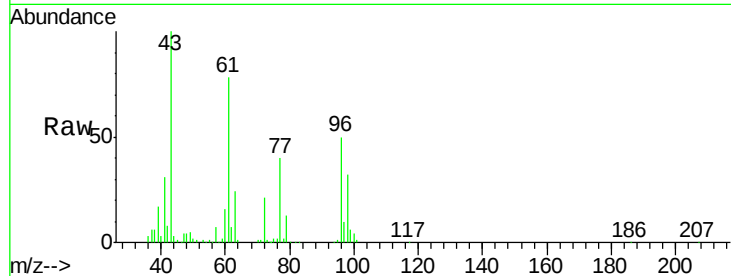
#25
2-Butanone
Concen: 98.090 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW011157.D
Acq: 08 Jul 2019 11:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 109879
Ion Ratio Lower Upper
43 100
72 20.6 17.6 26.4

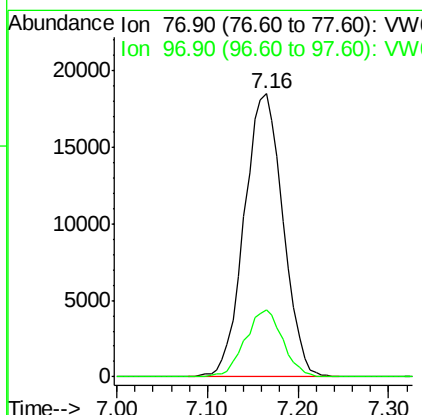
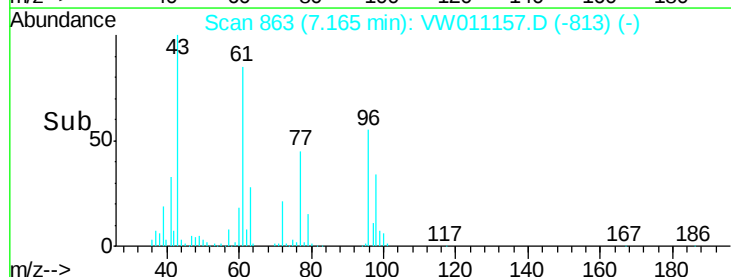
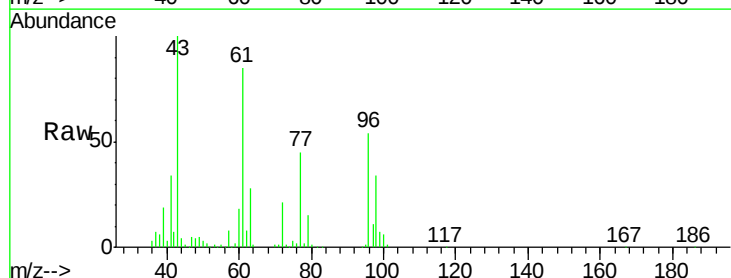
Manual Integrations
APPROVED

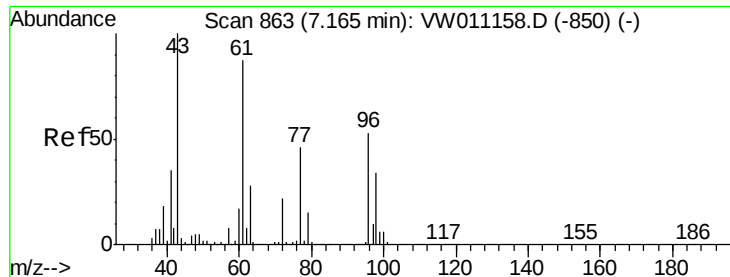
MMDadoda
7/9/2019 4:12:46 PM



#26
2,2-Dichloropropane
Concen: 19.446 ug/l
RT: 7.16 min Scan# 863
Delta R.T. 0.01 min
Lab File: VW011157.D
Acq: 08 Jul 2019 11:34

Tgt Ion: 77 Resp: 54588
Ion Ratio Lower Upper
77 100
97 22.9 11.2 33.5





#27

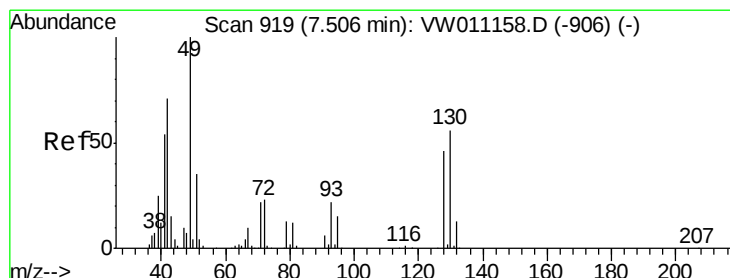
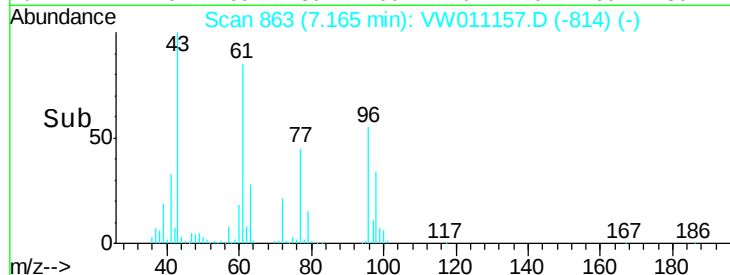
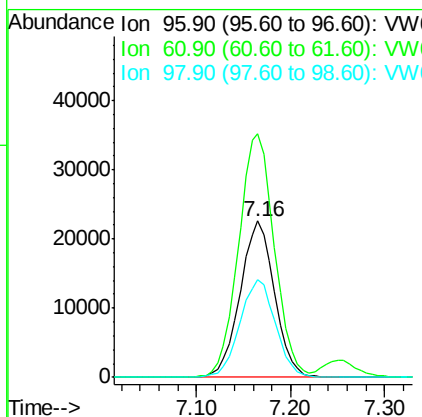
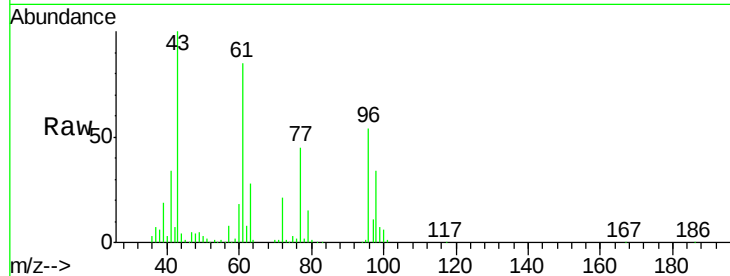
cis-1,2-Dichloroethene
Concen: 19.664 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW011157.D
Acq: 08 Jul 2019 11:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	161.2	0.0	325.6
98	64.5	0.0	128.2

Manual Integrations
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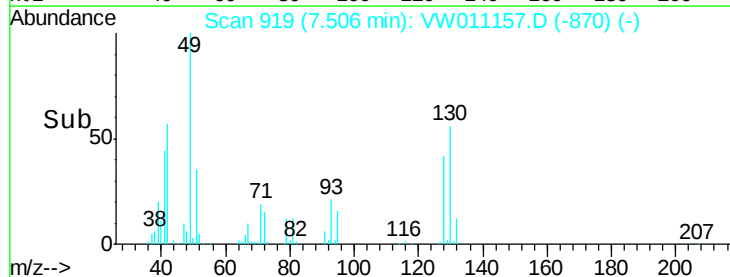
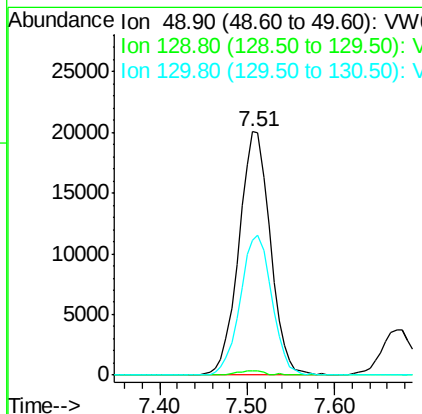
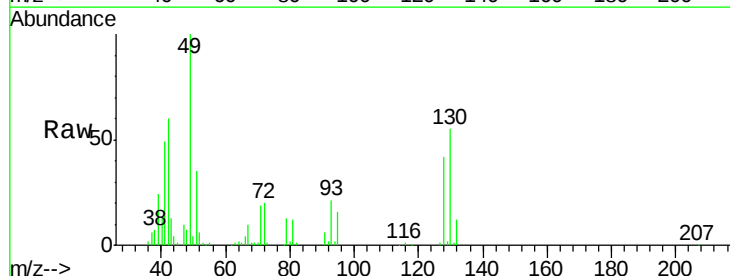
MMDadoda
7/9/2019 4:12:46 PM

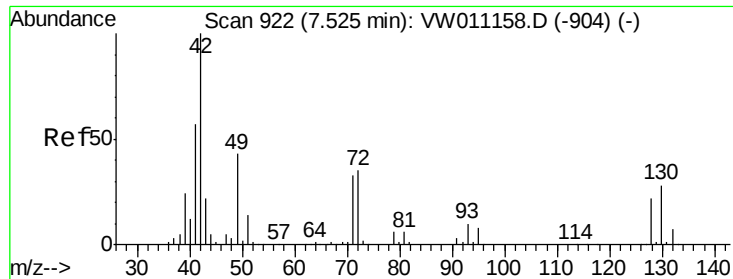


#28

Bromochloromethane
Concen: 20.435 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW011157.D
Acq: 08 Jul 2019 11:34

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	1.4#
130	57.6	45.8	68.8





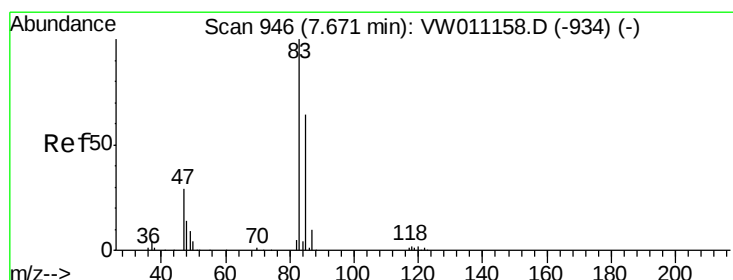
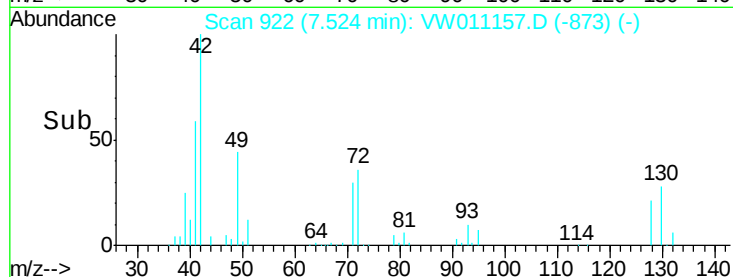
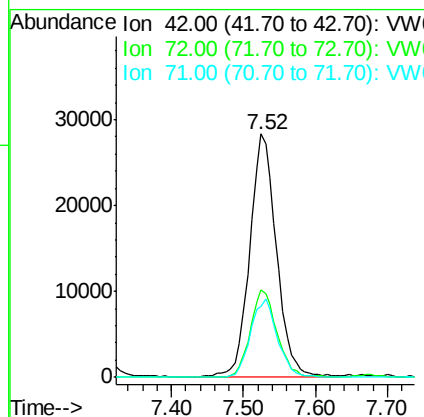
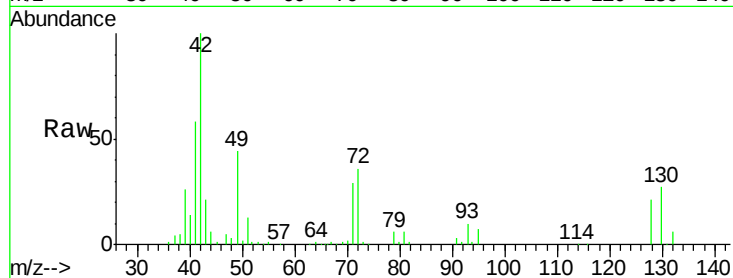
#29
Tetrahydrofuran
Concen: 99.897 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW011157.D
Acq: 08 Jul 2019 11:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.6	27.4	41.2
71	32.3	25.9	38.9

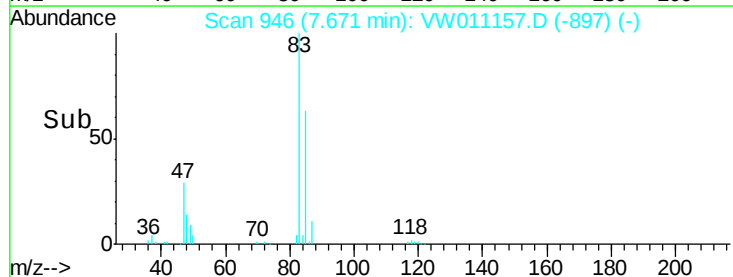
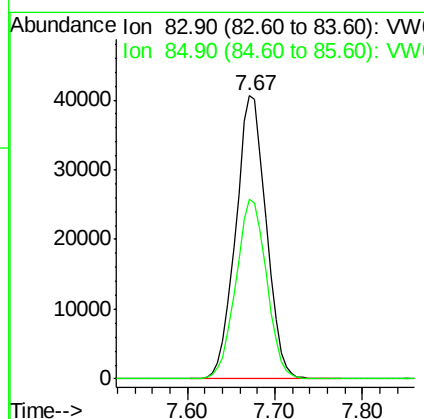
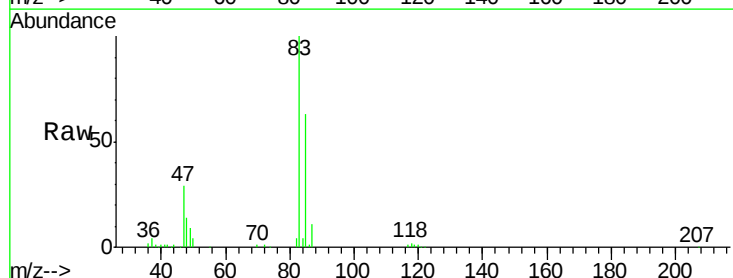
Manual Integrations
APPROVED

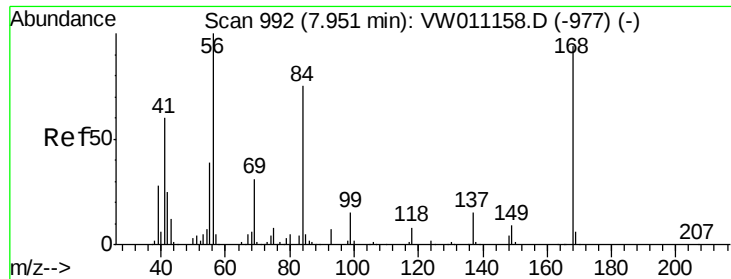
MMDadoda
7/9/2019 4:12:46 PM



#30
Chloroform
Concen: 19.643 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW011157.D
Acq: 08 Jul 2019 11:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.4	77.2





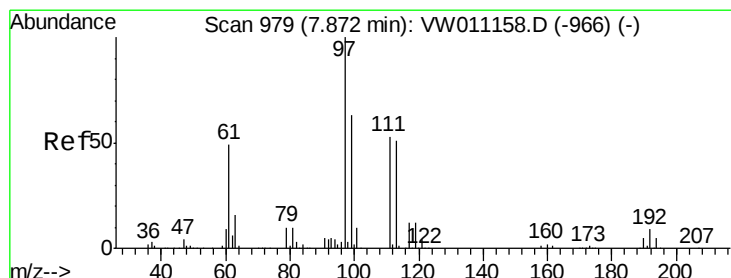
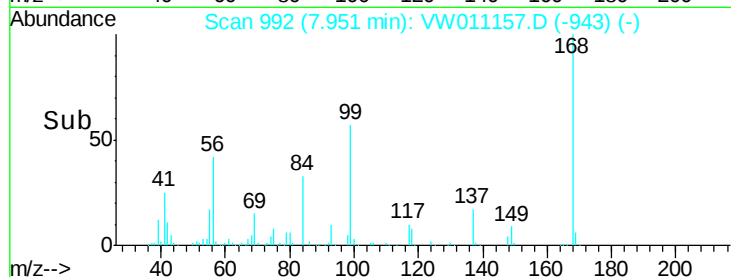
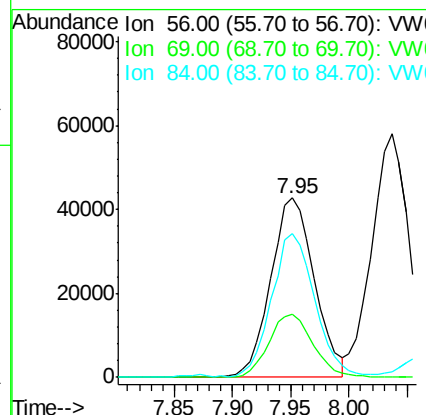
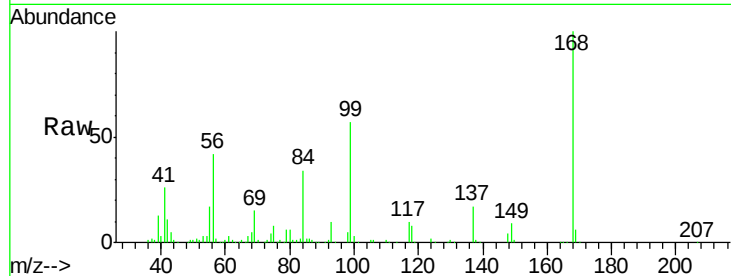
#31
Cyclohexane
Concen: 19.338 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW011157.D
Acq: 08 Jul 2019 11:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion:	56	Resp:	111101
Ion Ratio	Lower	Upper	
56	100		
69	35.3	24.6	36.8
84	79.4	60.1	90.1

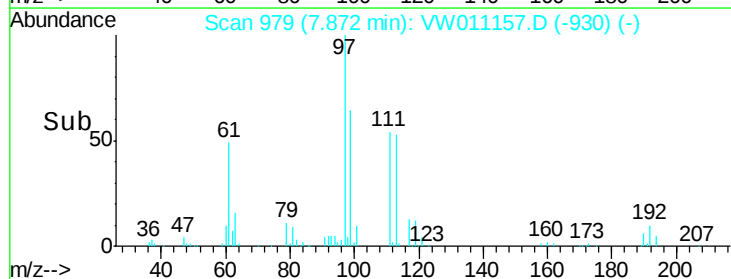
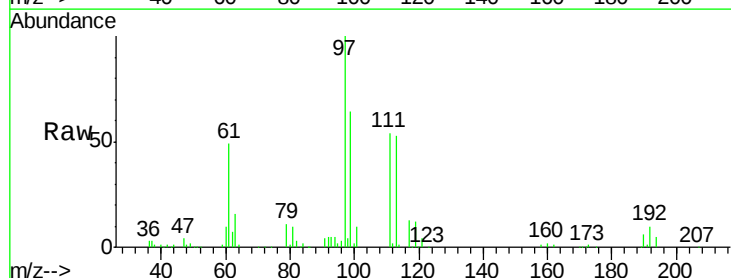
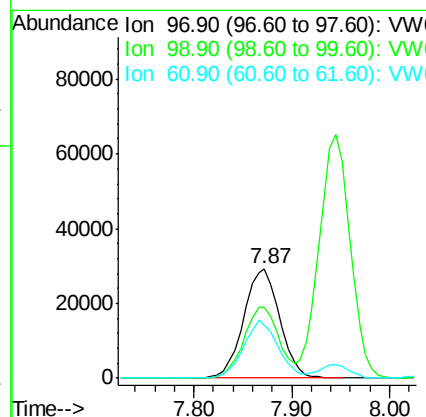
Manual Integrations
APPROVED

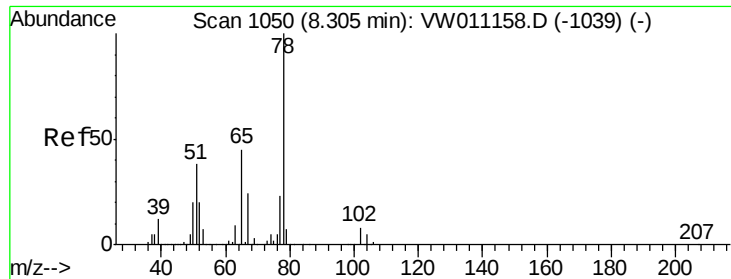
MMDadoda
7/9/2019 4:12:46 PM



#32
1,1,1-Trichloroethane
Concen: 19.580 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW011157.D
Acq: 08 Jul 2019 11:34

Tgt Ion:	97	Resp:	74489
Ion Ratio	Lower	Upper	
97	100		
99	63.7	51.0	76.4
61	50.6	40.4	60.6





#33

1,2-Dichloroethane-d4

Concen: 19.623 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW011157.D

Acq: 08 Jul 2019 11:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 65 Resp: 58200

Ion Ratio Lower Upper

65 100

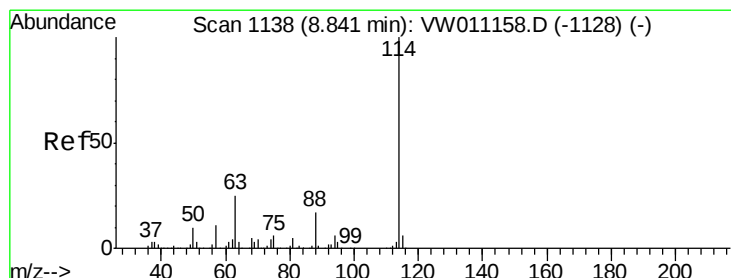
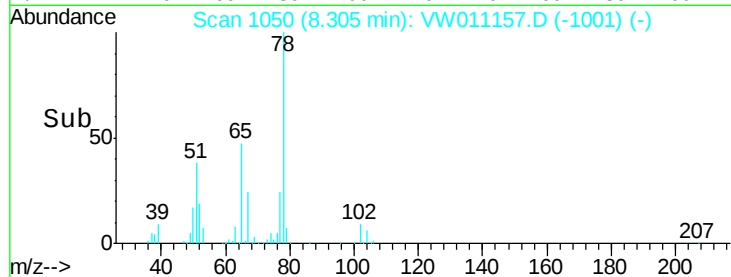
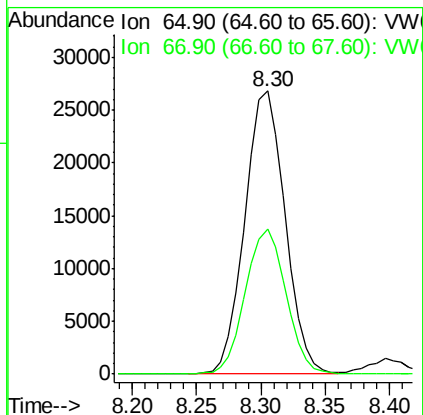
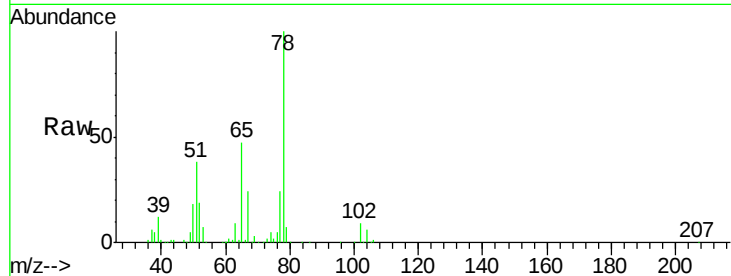
67 51.7 0.0 104.4

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW011157.D

Acq: 08 Jul 2019 11:34

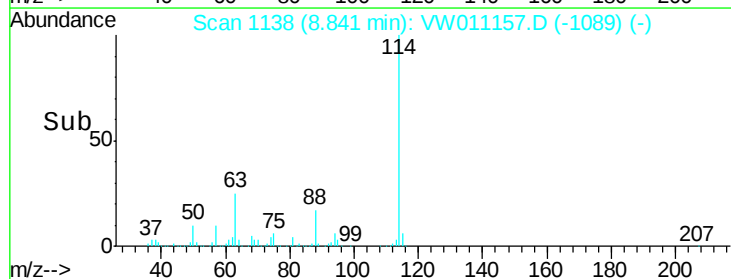
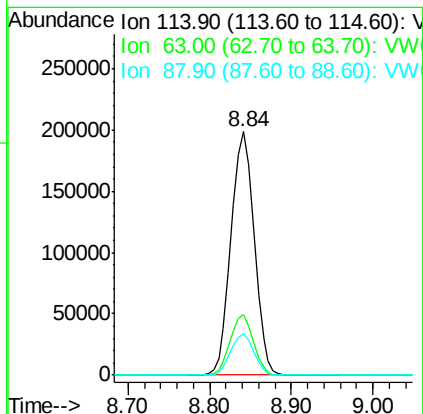
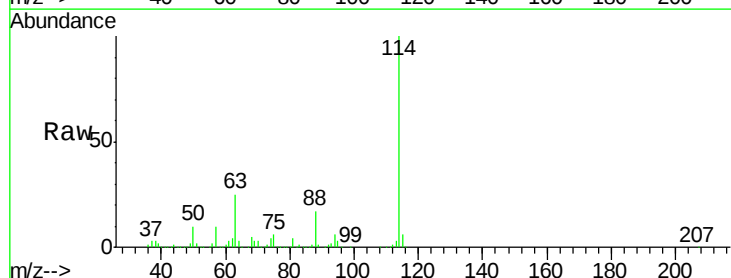
Tgt Ion: 114 Resp: 388578

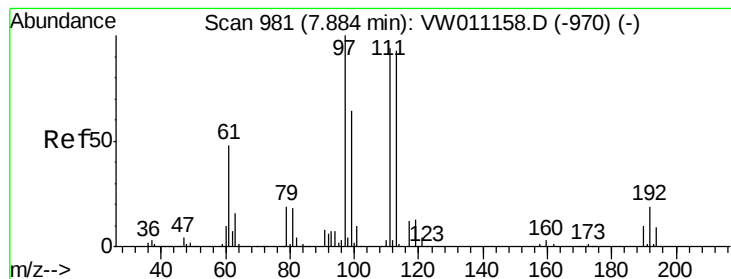
Ion Ratio Lower Upper

114 100

63 24.6 0.0 50.8

88 16.8 0.0 34.2





#35

Dibromofluoromethane

Concen: 19.665 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW011157.D

Acq: 08 Jul 2019 11:34

Instrument :

MSVOA_W

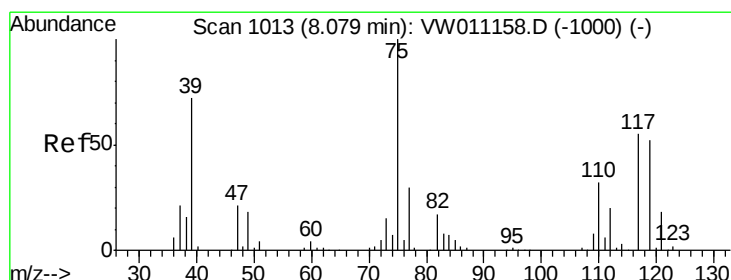
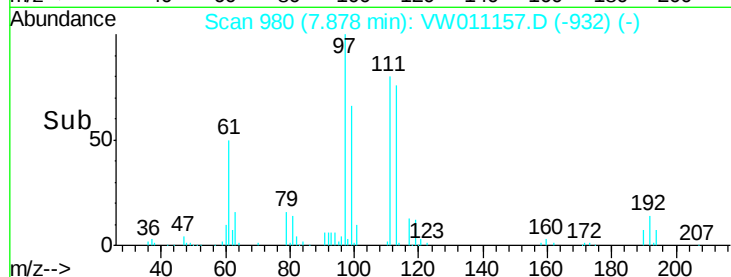
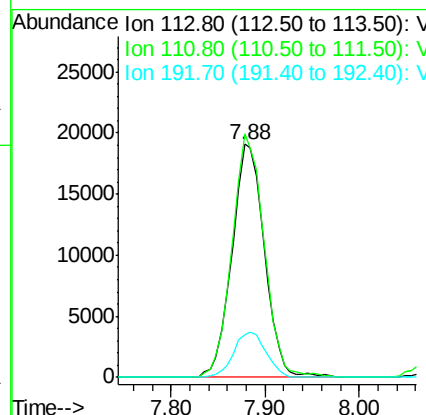
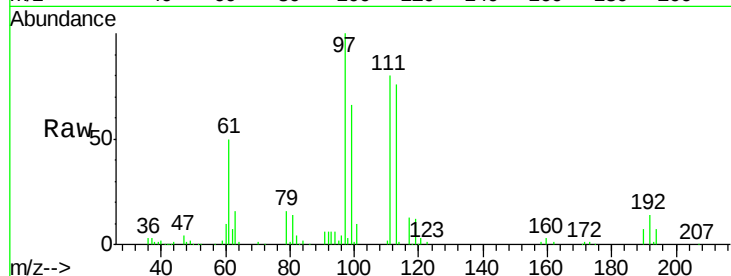
ClientSampled :

VSTDIC020

Tot Ion:	113	Resp:	45545
Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.4	123.6
192	19.3	15.8	23.8

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.736 ug/l

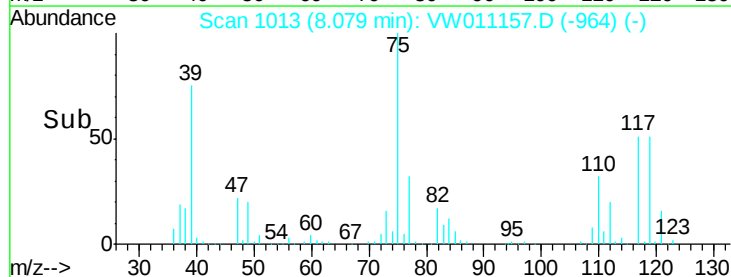
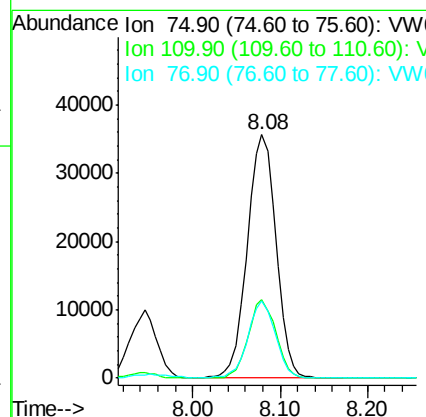
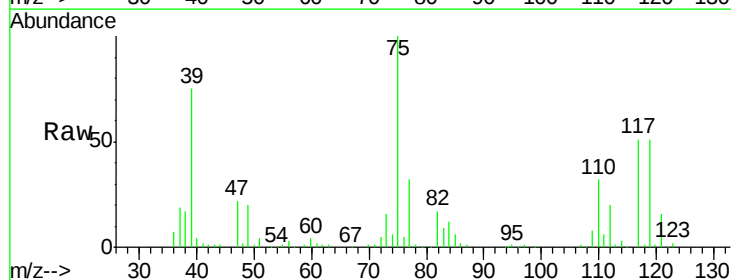
RT: 8.08 min Scan# 1013

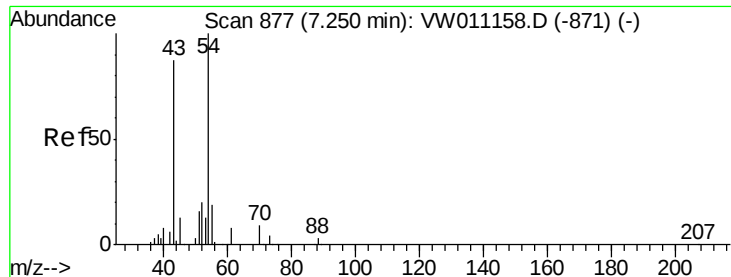
Delta R.T. -0.00 min

Lab File: VW011157.D

Acq: 08 Jul 2019 11:34

Tgt Ion:	75	Resp:	81666
Ion	Ratio	Lower	Upper
75	100		
110	30.9	15.9	47.6
77	30.3	24.6	36.8





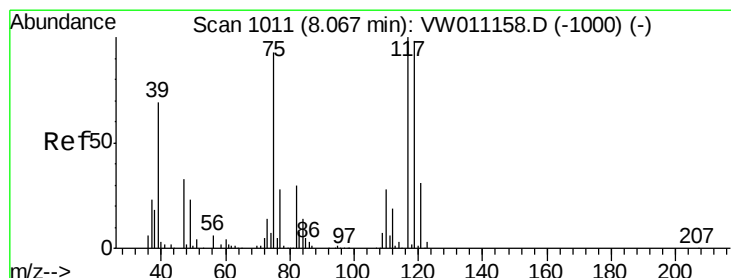
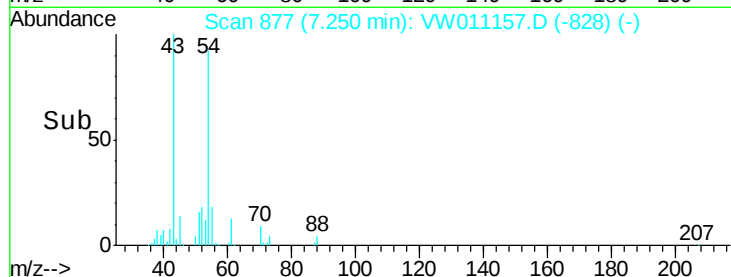
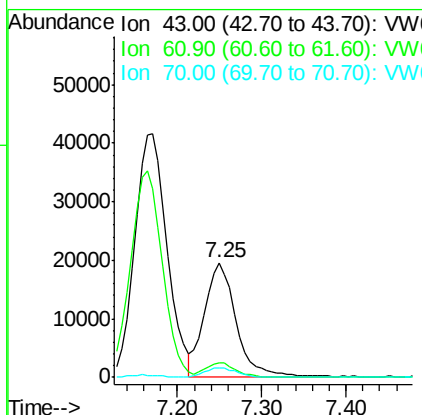
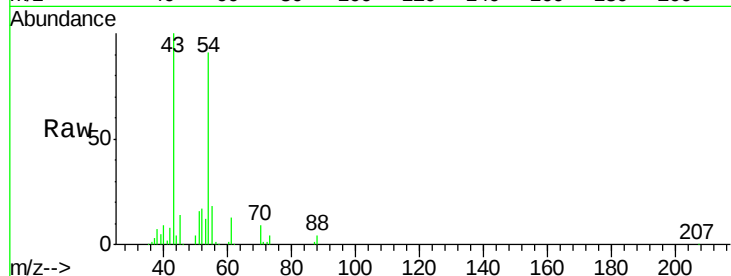
#37
Ethyl Acetate
Concen: 20.299 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW011157.D
Acq: 08 Jul 2019 11:34

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.4	9.5	14.3
70	8.7	7.1	10.7

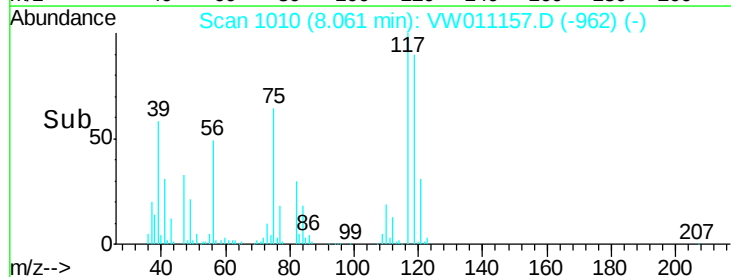
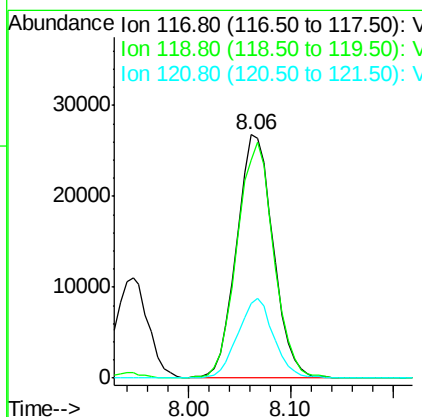
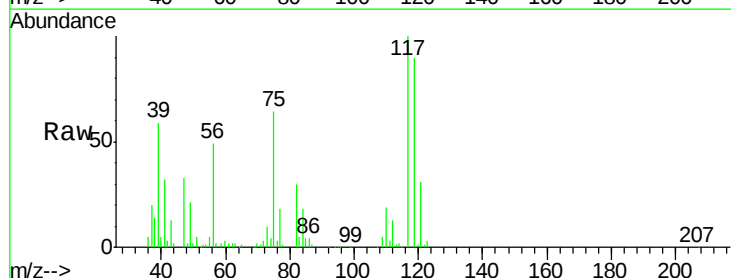
Manual Integrations
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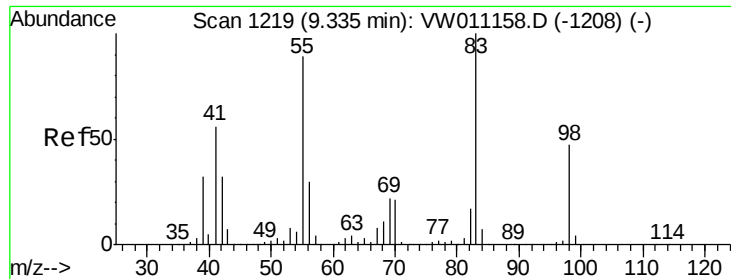
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.033 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW011157.D
Acq: 08 Jul 2019 11:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	89.7	78.1	117.1
121	30.9	25.1	37.7





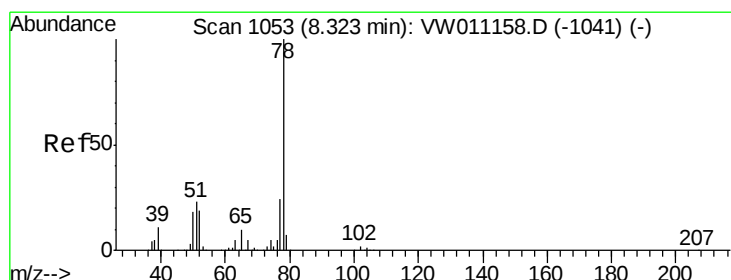
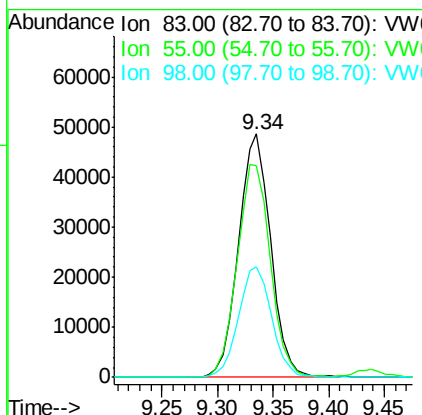
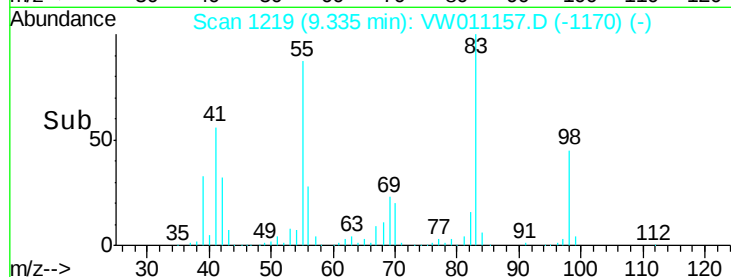
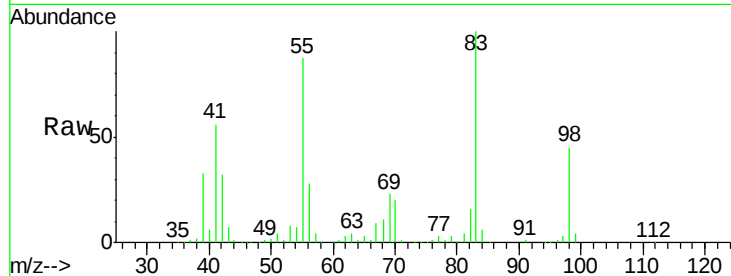
#39
Methvlcvclohexane
Concen: 19.441 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW011157.D
Acq: 08 Jul 2019 11:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	83.00	Resp	97507
Ion Ratio	100	Lower	Upper
83	100		
55	86.8	71.2	106.8
98	45.2	37.5	56.3

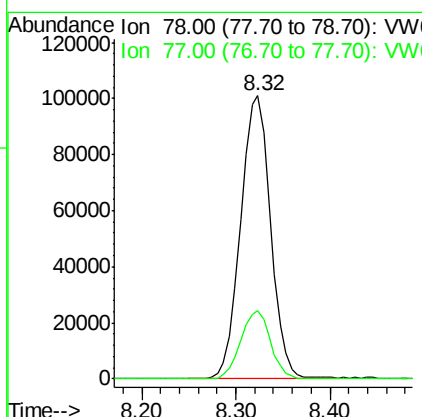
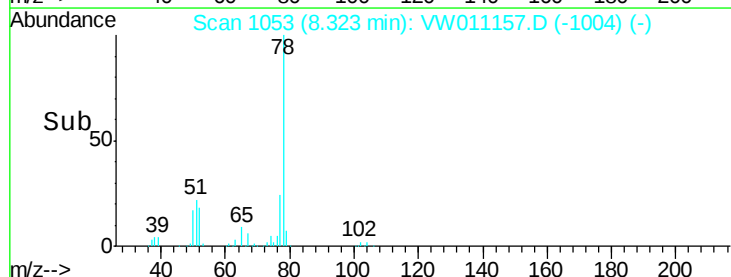
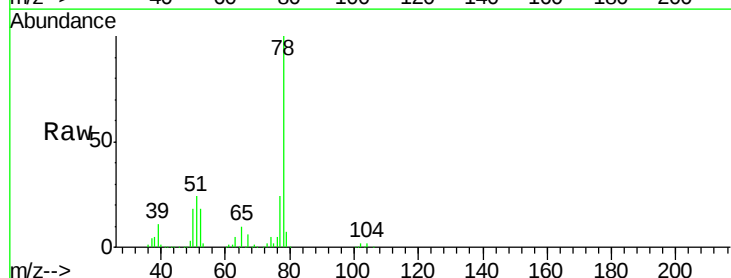
Manual Integrations
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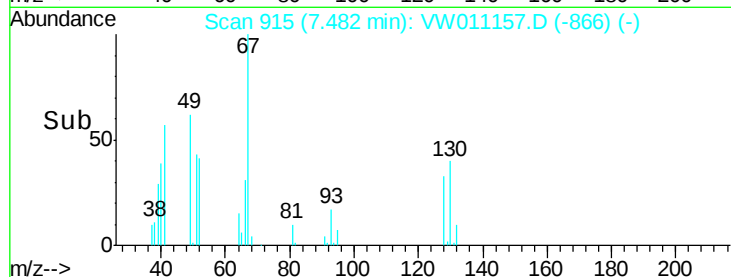
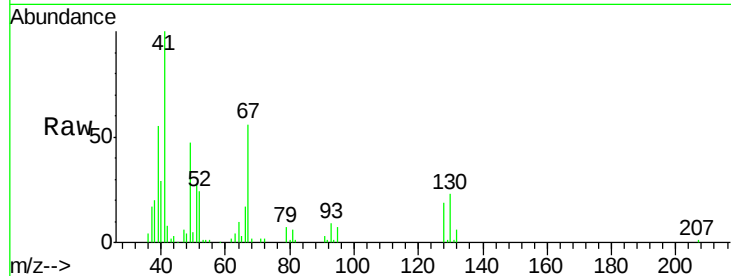
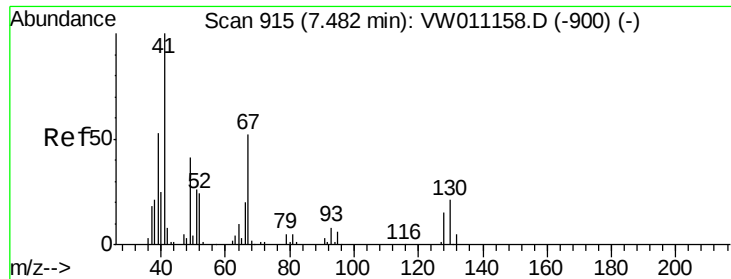
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#40
Benzene
Concen: 19.669 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW011157.D
Acq: 08 Jul 2019 11:34

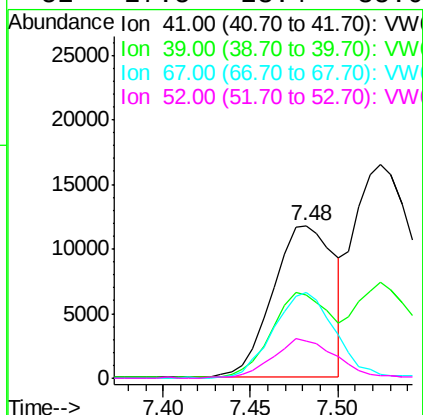
Tgt Ion	78.00	Resp	224936
Ion Ratio	100	Lower	Upper
78	100		
77	24.2	19.0	28.6





#41
Methacrylonitrile
Concen: 20.343 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW011157.D
Acq: 08 Jul 2019 11:34

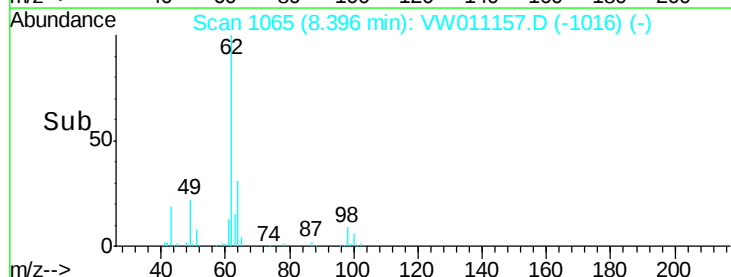
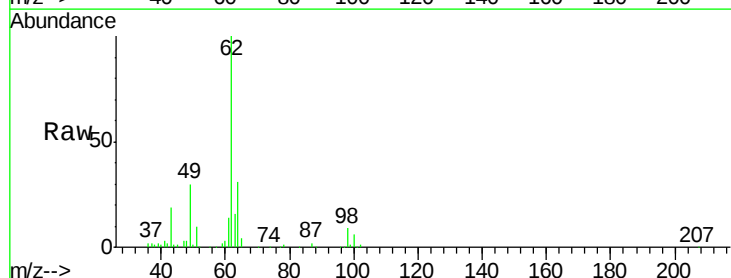
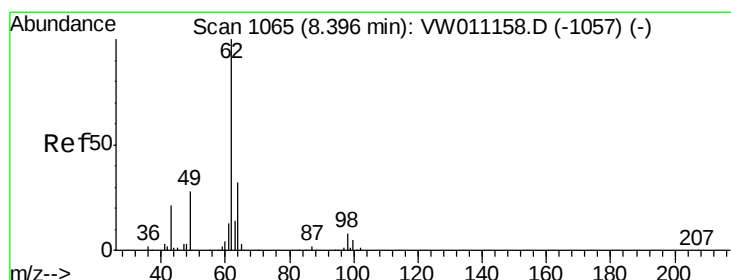
Tot Ion	Ion	Ratio	Lower	Upper
41	41.00 (40.70 to 41.70): VW	100		
39	39.00 (38.70 to 39.70): VW	54.9	48.0	72.0
67	67.00 (66.70 to 67.70): VW	57.9	49.7	74.5
52	52.00 (51.70 to 52.70): VW	27.5	23.4	35.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

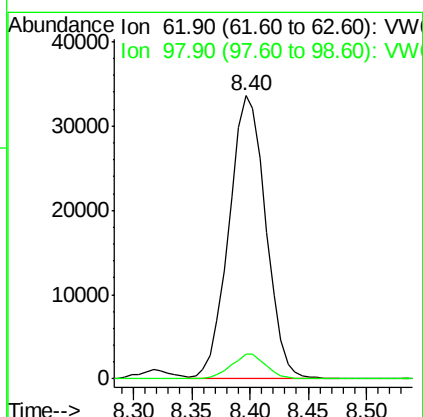
Manual Integrations
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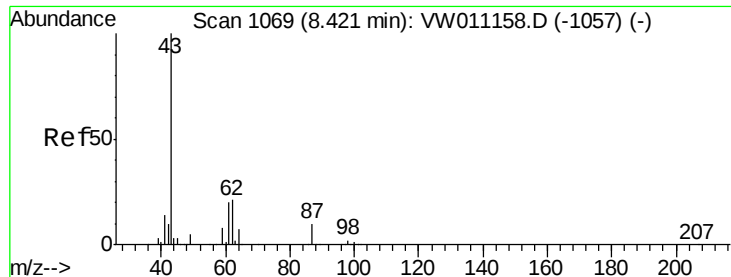
MMDadoda
7/9/2019 4:12:46 PM



#42
1,2-Dichloroethane
Concen: 19.872 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW011157.D
Acq: 08 Jul 2019 11:34

Tgt Ion	Ion	Ratio	Lower	Upper
62	61.90 (61.60 to 62.60): VW	100		
98	97.90 (97.60 to 98.60): VW	8.3	0.0	16.8





#43

Isopropyl Acetate

Concen: 19.748 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW011157.D

Acq: 08 Jul 2019 11:34

Instrument :

MSVOA_W

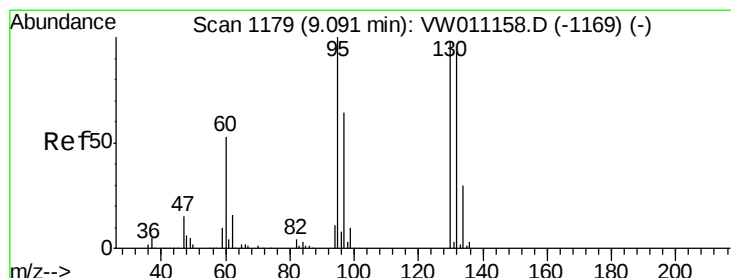
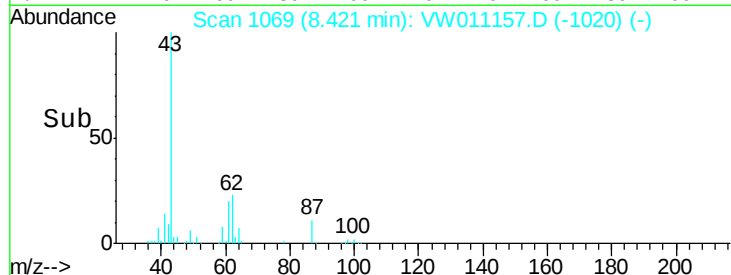
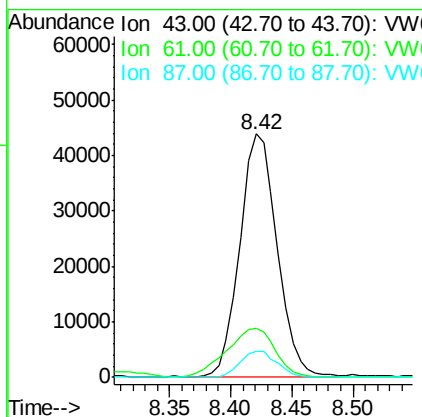
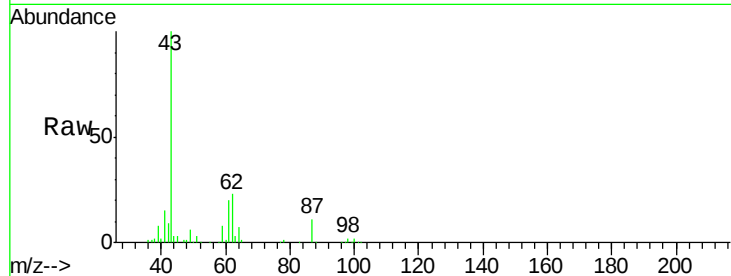
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	92697
Ion	Ratio	Lower	Upper
43	100		
61	26.0	20.7	31.1
87	10.8	8.1	12.1

Manual Integrations
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#44

Trichloroethene

Concen: 19.528 ug/l

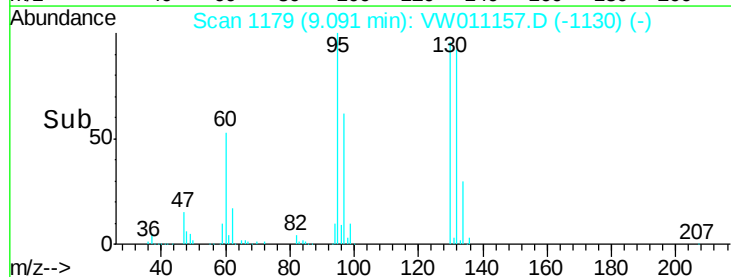
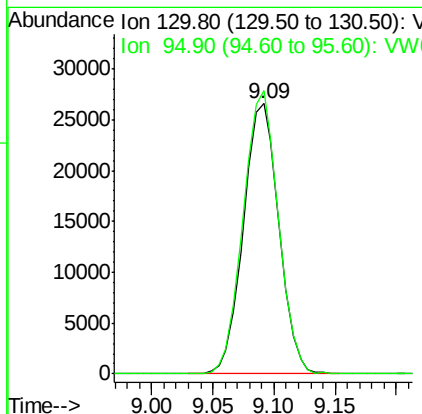
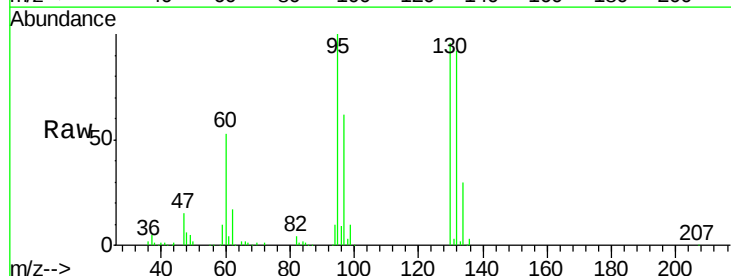
RT: 9.09 min Scan# 1179

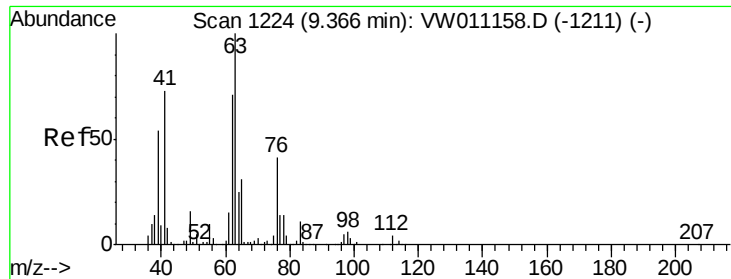
Delta R.T. -0.00 min

Lab File: VW011157.D

Acq: 08 Jul 2019 11:34

Tgt Ion:	130	Resp:	53741
Ion	Ratio	Lower	Upper
130	100		
95	104.7	0.0	203.6





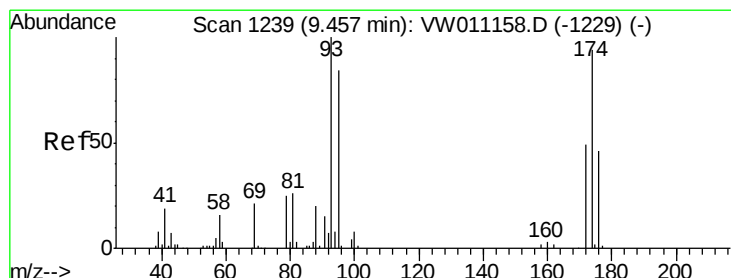
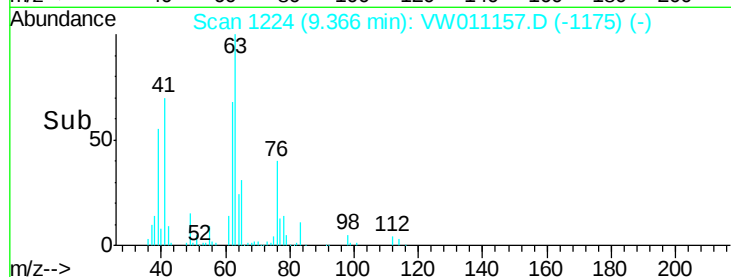
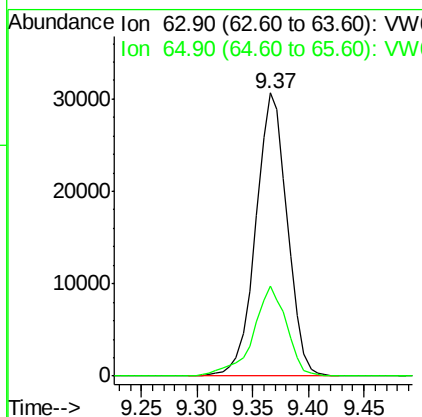
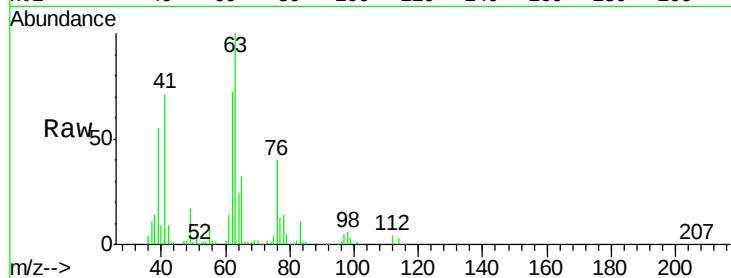
#45
 1,2-Dichloropropane
 Concen: 19.530 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW011157.D
 Acq: 08 Jul 2019 11:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.6	24.4	36.6

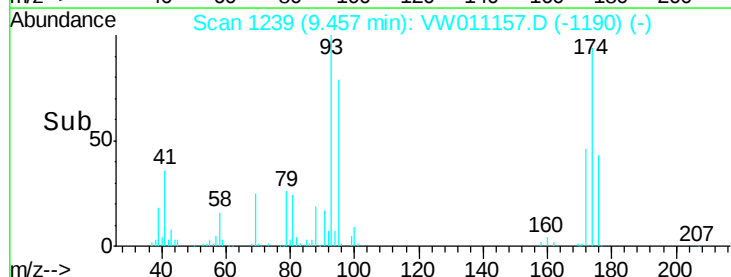
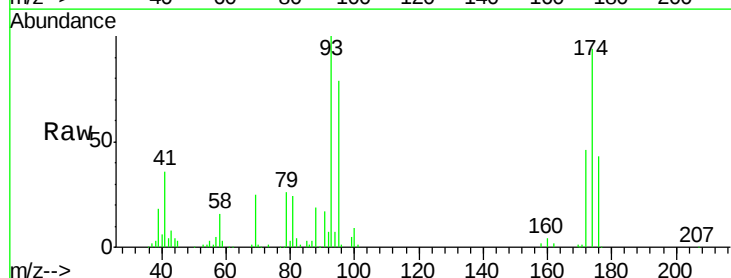
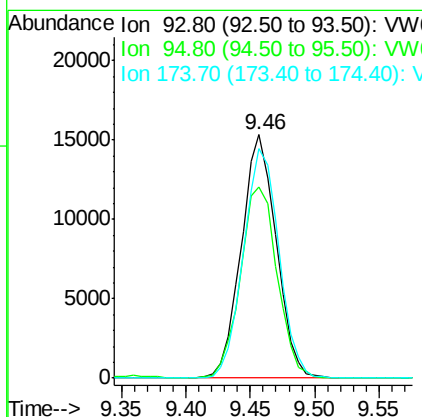
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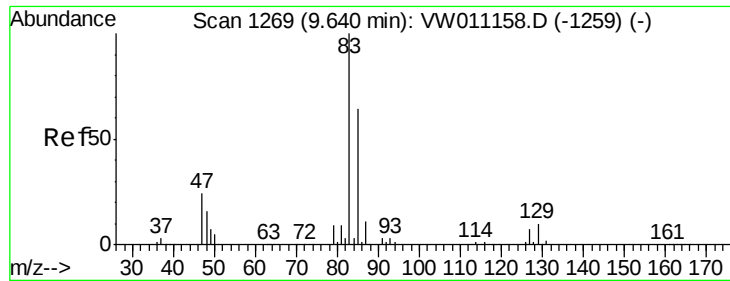
MMDadoda
 7/9/2019 4:12:46 PM



#46
 Dibromomethane
 Concen: 19.847 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW011157.D
 Acq: 08 Jul 2019 11:34

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.3	67.2	100.8
174	95.4	76.3	114.5





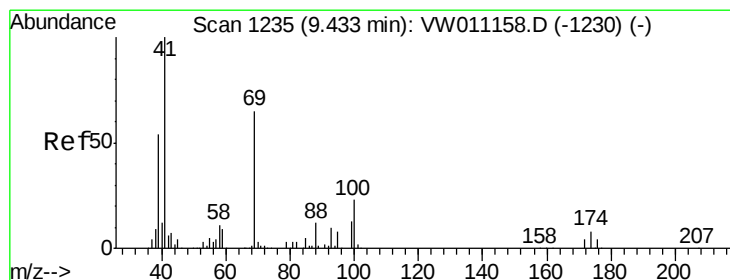
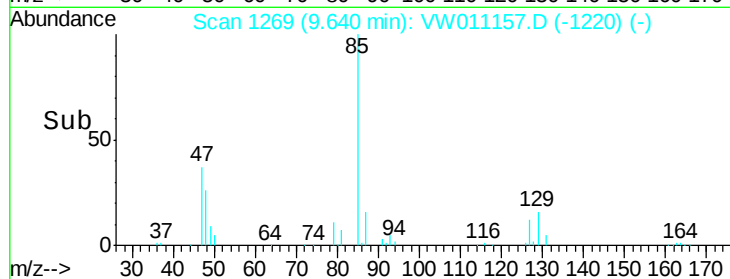
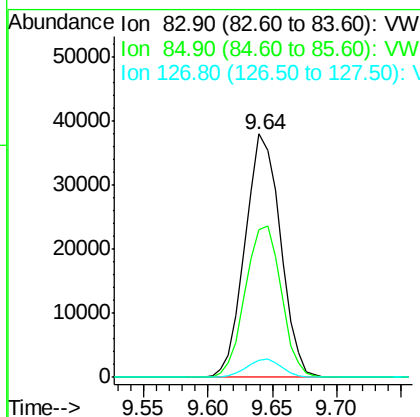
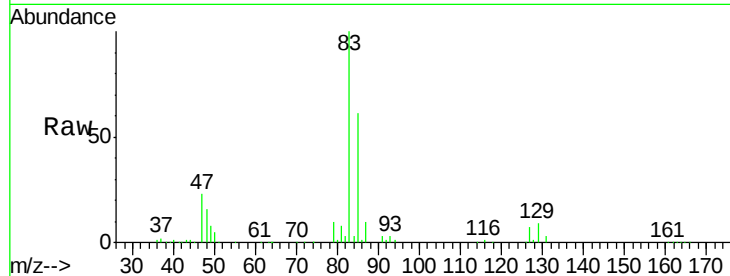
#47
Bromodichloromethane
Concen: 19.438 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW011157.D
Acq: 08 Jul 2019 11:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	83	Resp	72350
Ion Ratio	100	Lower	Upper
83	100		
85	60.9	51.0	76.4
127	7.1	6.0	9.0

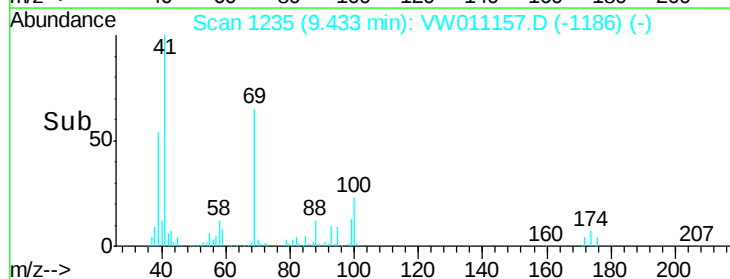
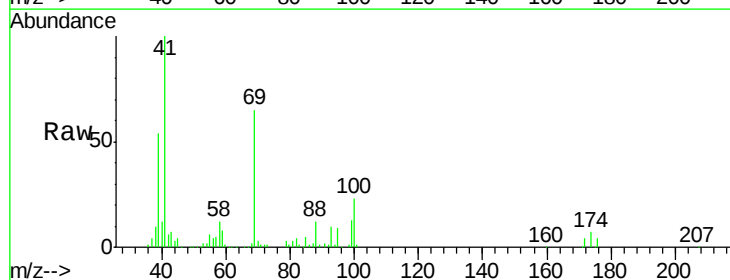
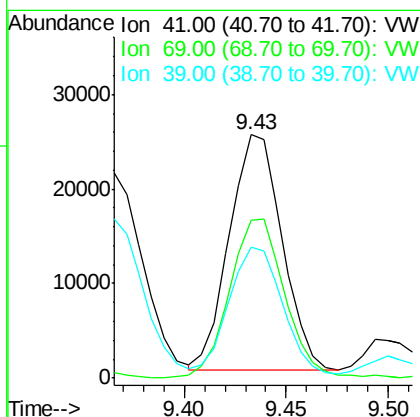
Manual Integrations
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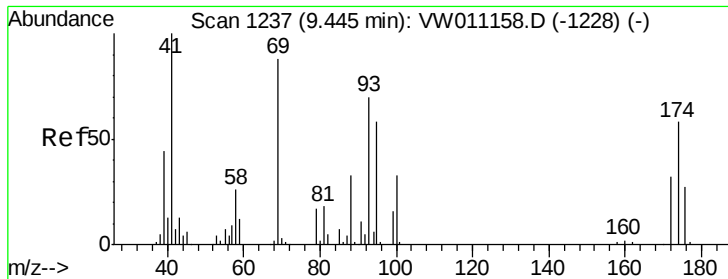
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#48
Methyl methacrylate
Concen: 19.861 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW011157.D
Acq: 08 Jul 2019 11:34

Tgt Ion	41	Resp	44852
Ion Ratio	100	Lower	Upper
41	100		
69	71.4	56.0	84.0
39	53.5	43.5	65.3





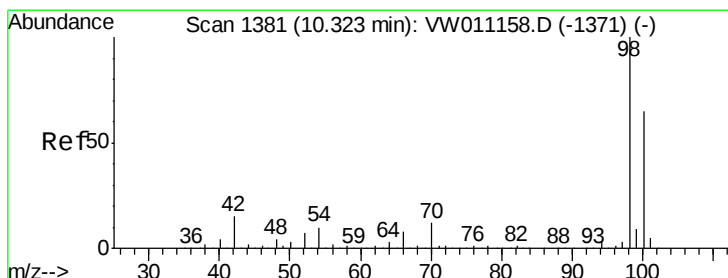
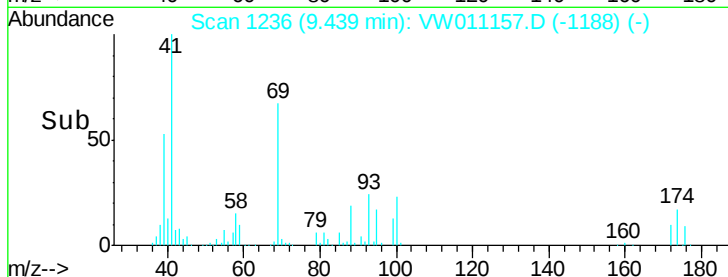
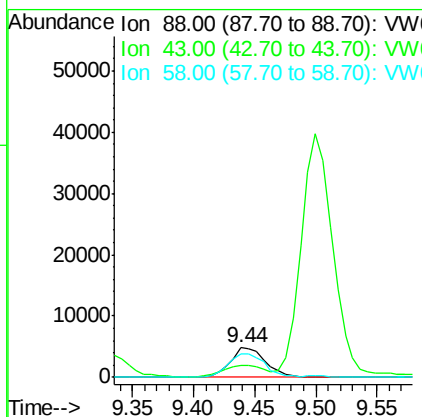
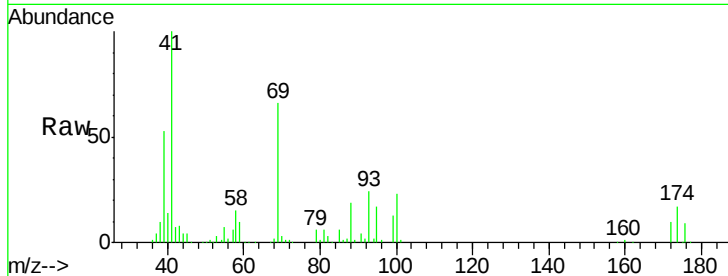
#49
1,4-Dioxane
Concen: 400.878 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.01 min
Lab File: VW011157.D
Acq: 08 Jul 2019 11:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	43.7	33.4	50.0
58	83.3	64.5	96.7

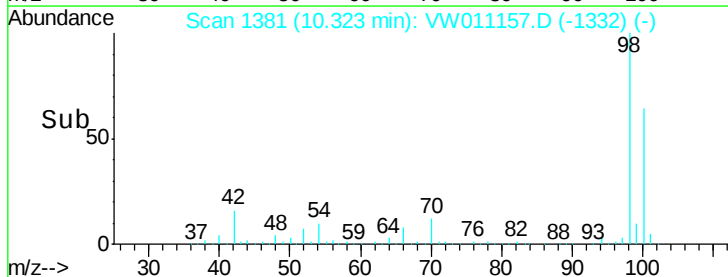
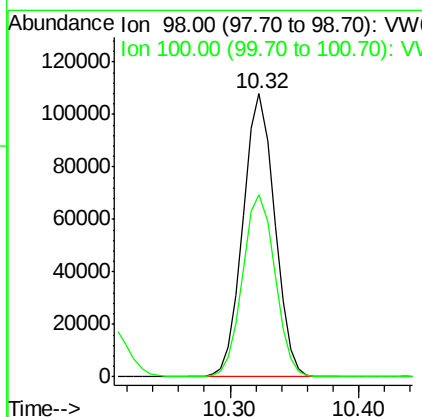
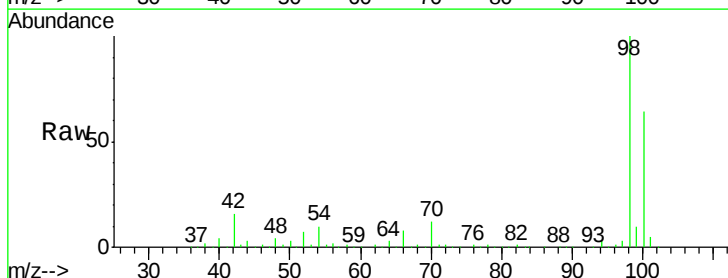
Manual Integrations
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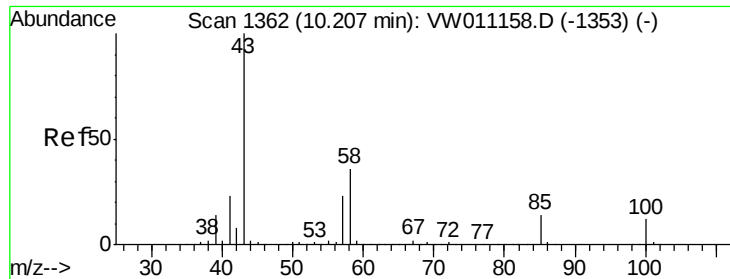
MMDadoda
7/9/2019 4:12:46 PM



#50
Toluene-d8
Concen: 19.599 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011157.D
Acq: 08 Jul 2019 11:34

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 100.582 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW011157.D

Acq: 08 Jul 2019 11:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 246625

Ion Ratio Lower Upper

43 100

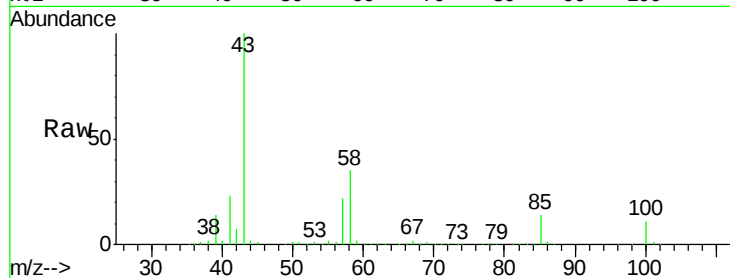
58 34.8 28.2 42.2

Manual Integrations

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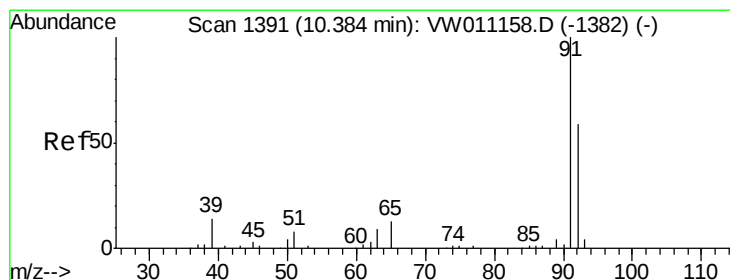
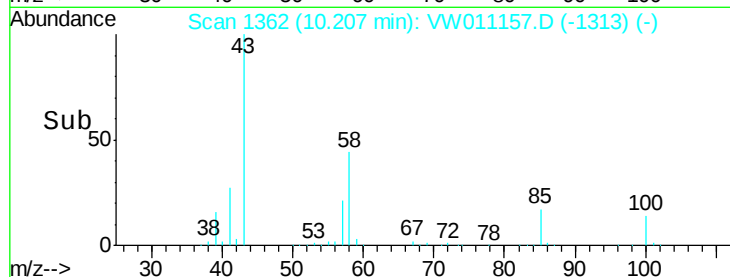
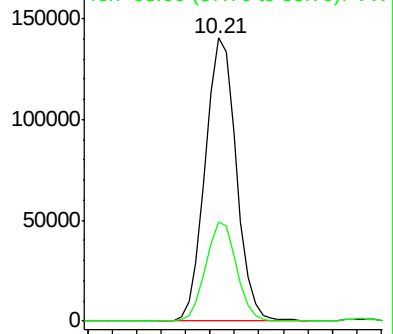
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 19.710 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW011157.D

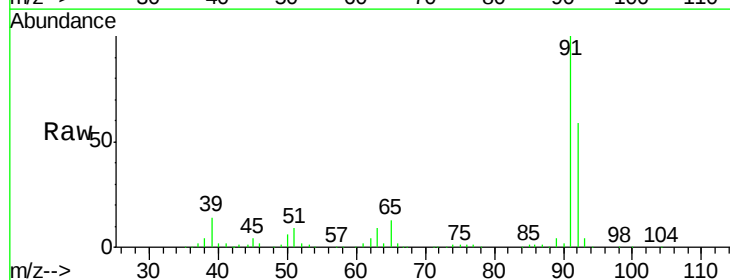
Acq: 08 Jul 2019 11:34

Tgt Ion: 92 Resp: 136730

Ion Ratio Lower Upper

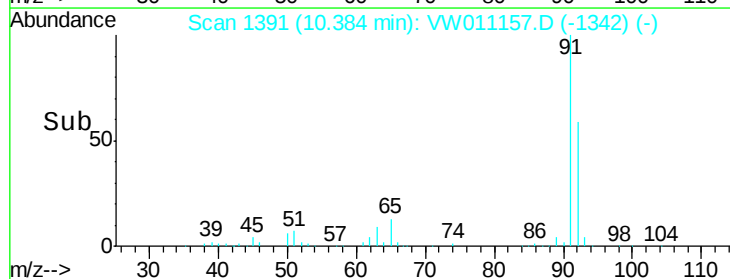
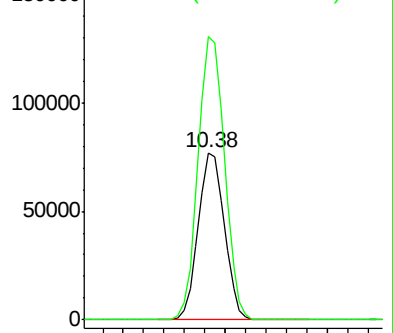
92 100

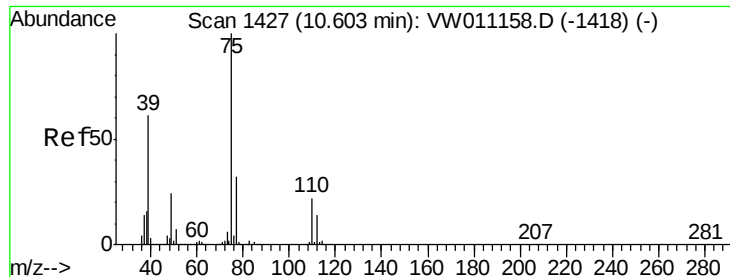
91 171.2 136.6 205.0



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 19.484 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW011157.D

Acq: 08 Jul 2019 11:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 77196

Ion Ratio Lower Upper

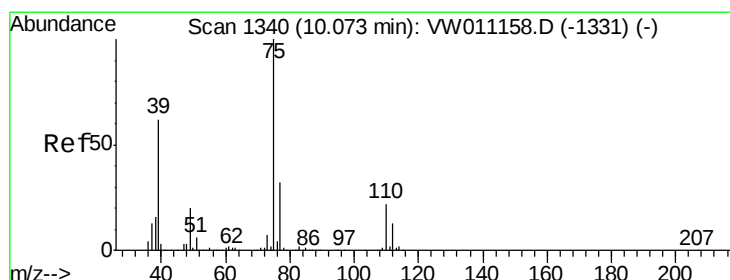
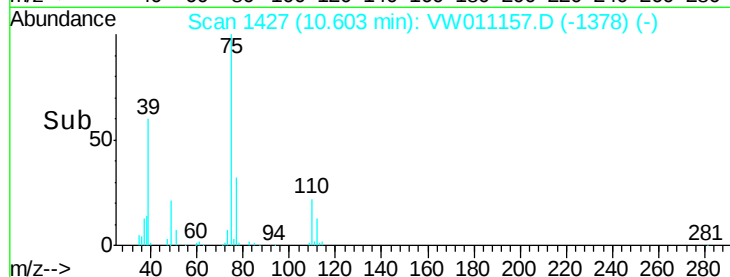
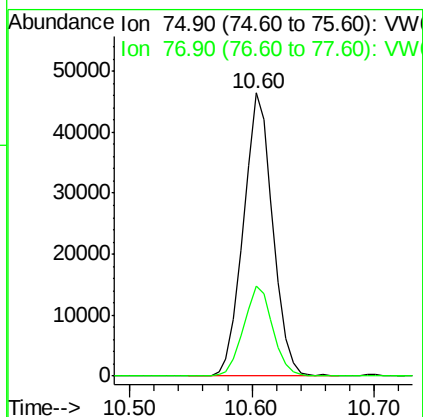
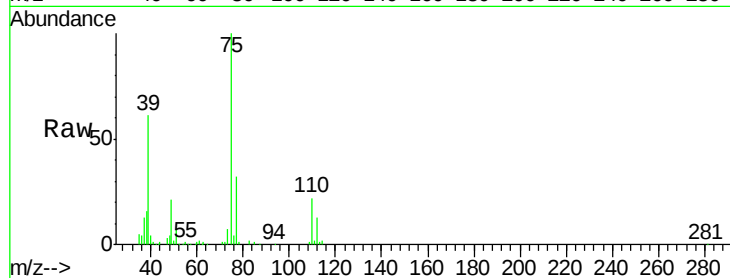
75 100

77 31.6 25.4 38.0

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 19.508 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW011157.D

Acq: 08 Jul 2019 11:34

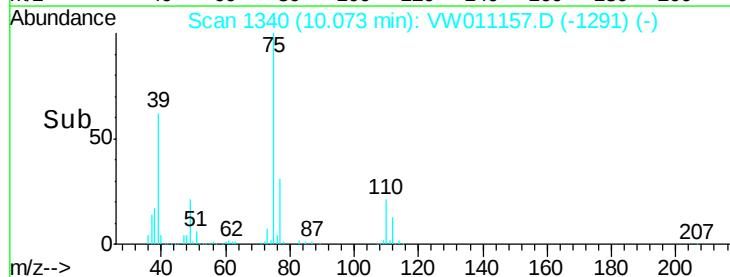
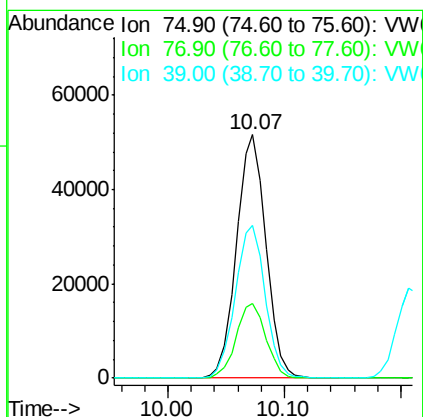
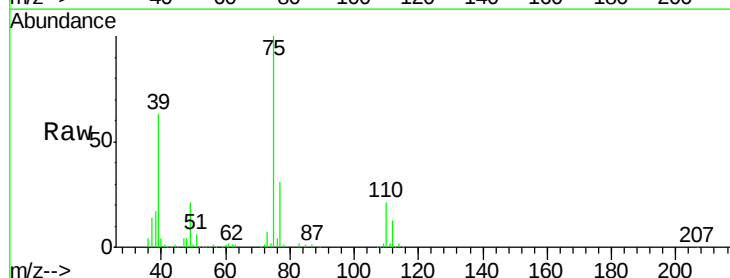
Tgt Ion: 75 Resp: 90976

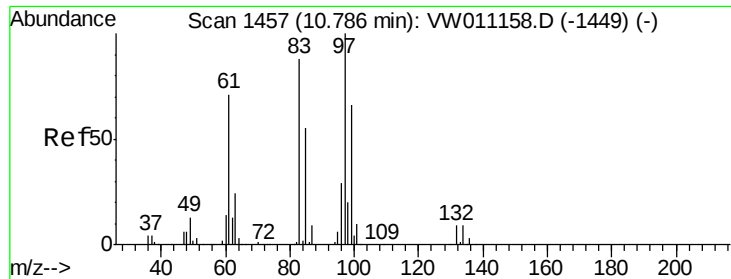
Ion Ratio Lower Upper

75 100

77 30.9 25.7 38.5

39 62.2 49.8 74.8





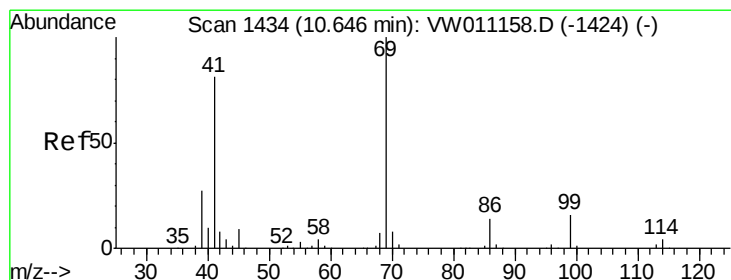
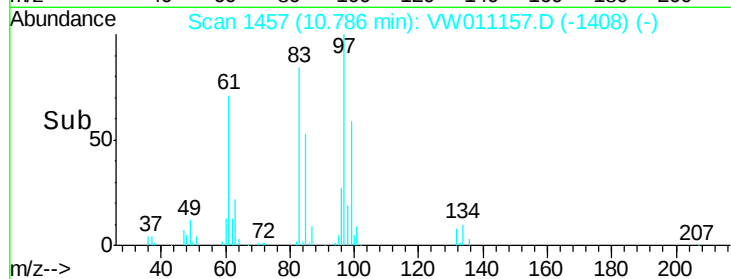
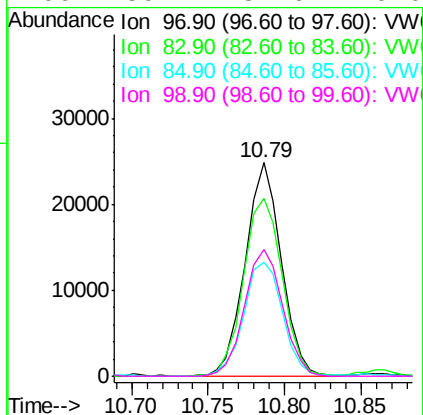
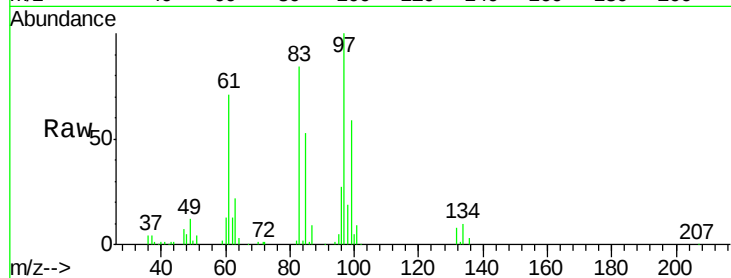
#55
 1,1,2-Trichloroethane
 Concen: 19.780 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW011157.D
 Acq: 08 Jul 2019 11:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	40820
Ion	Ratio	Lower	Upper
97	100		
83	83.6	70.2	105.4
85	53.1	44.2	66.2
99	59.2	52.6	79.0

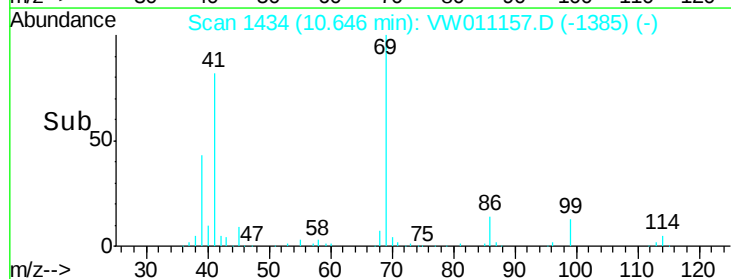
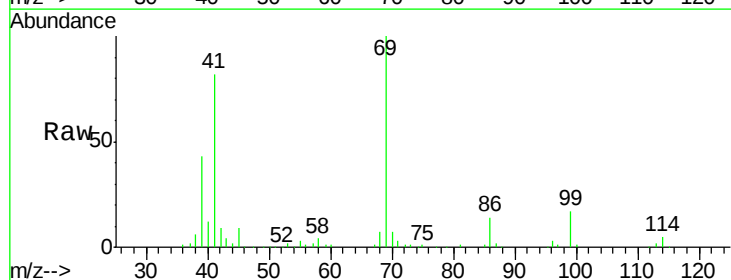
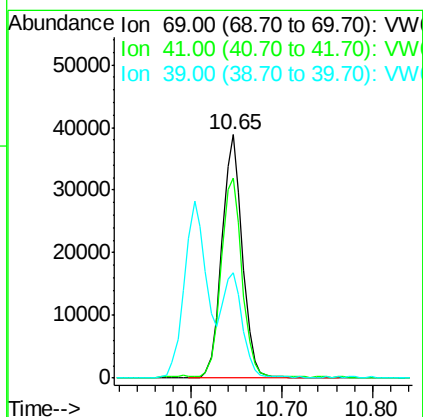
Manual Integrations
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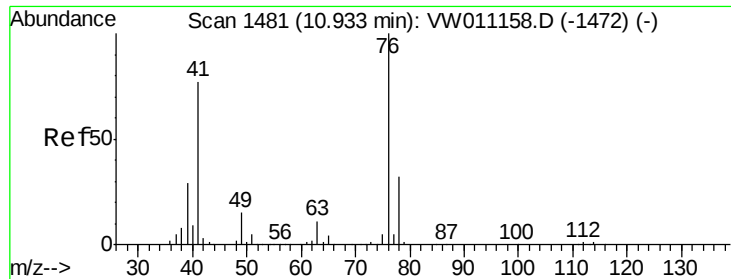
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#56
 Ethyl methacrylate
 Concen: 19.633 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW011157.D
 Acq: 08 Jul 2019 11:34

Tgt Ion:	69	Resp:	61687
Ion	Ratio	Lower	Upper
69	100		
41	83.9	66.5	99.7
39	41.5	32.5	48.7





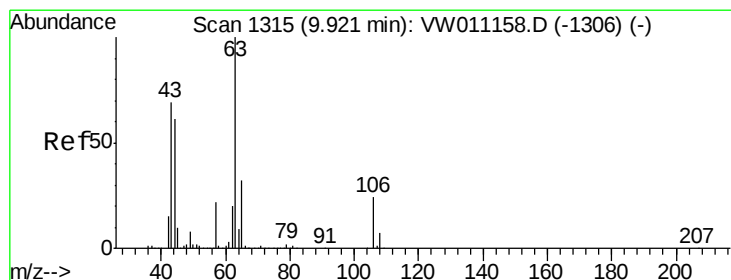
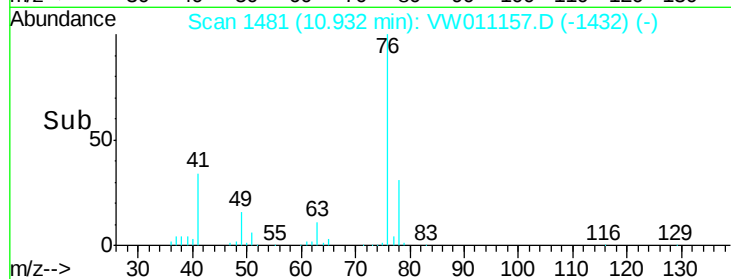
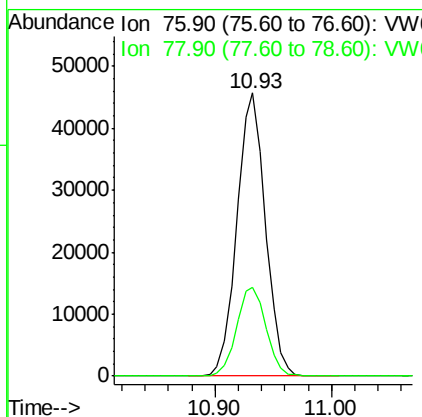
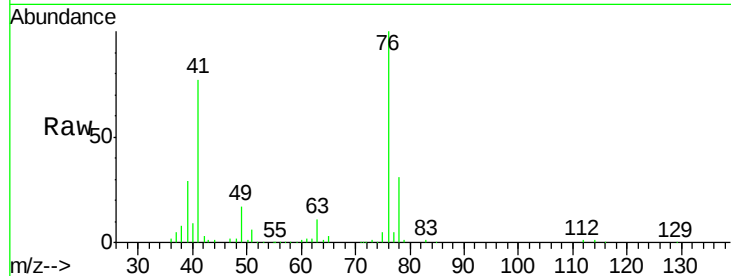
#57
 1,3-Dichloropropane
 Concen: 19.942 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW011157.D
 Acq: 08 Jul 2019 11:34

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion: 76 Resp: 77823
 Ion Ratio Lower Upper
 76 100
 78 32.4 26.2 39.2

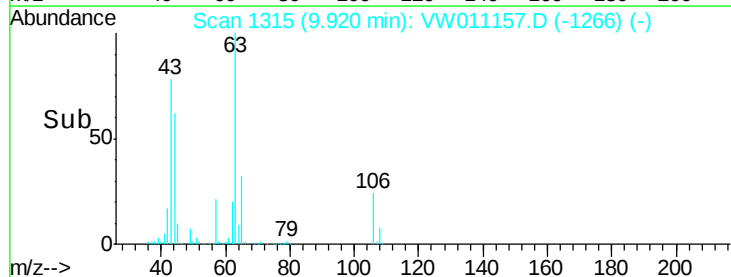
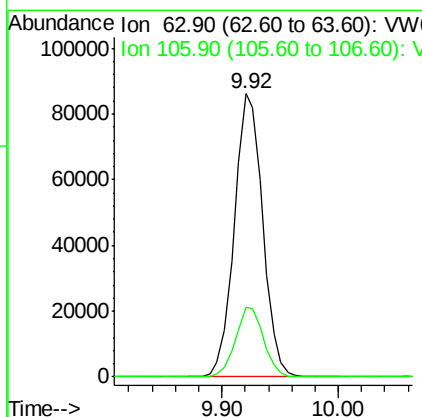
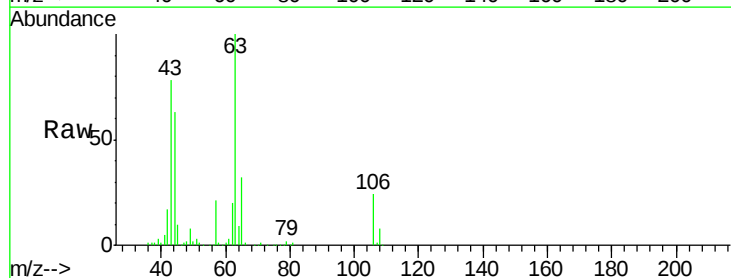
Manual Integrations
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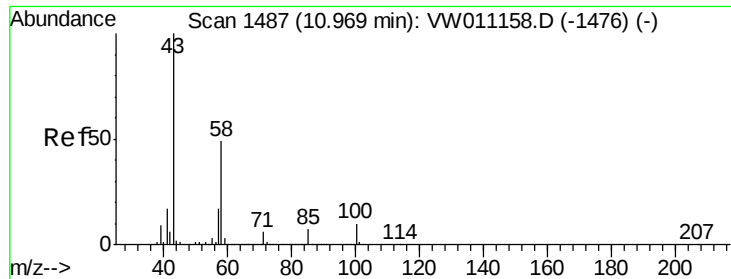
MMDadoda
 7/9/2019 4:12:46 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.464 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW011157.D
 Acq: 08 Jul 2019 11:34

Tgt Ion: 63 Resp: 146338
 Ion Ratio Lower Upper
 63 100
 106 24.4 19.4 29.0





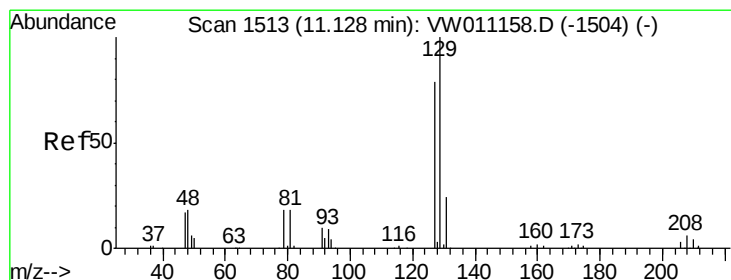
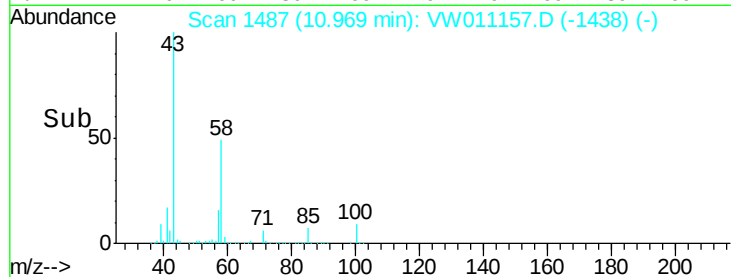
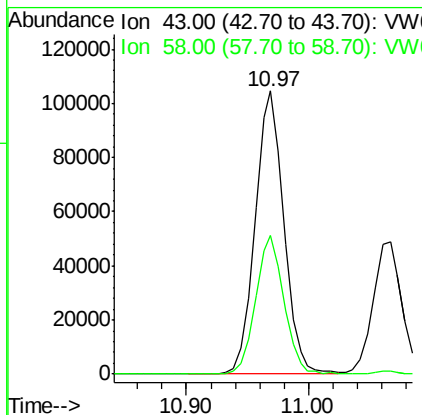
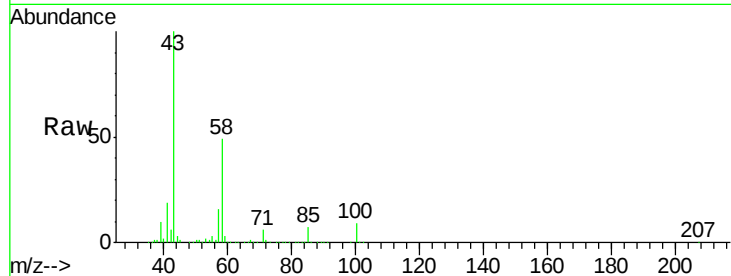
#59
2-Hexanone
Concen: 100.144 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011157.D
Acq: 08 Jul 2019 11:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 170291
Ion Ratio Lower Upper
43 100
58 48.5 24.4 73.4

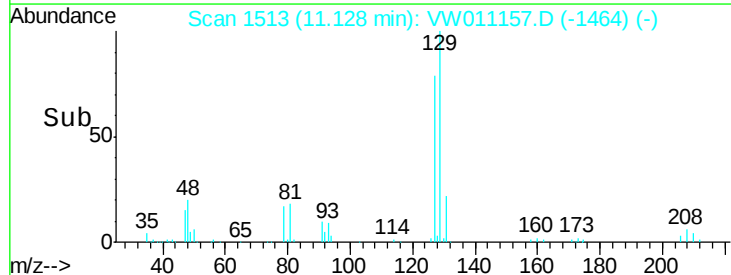
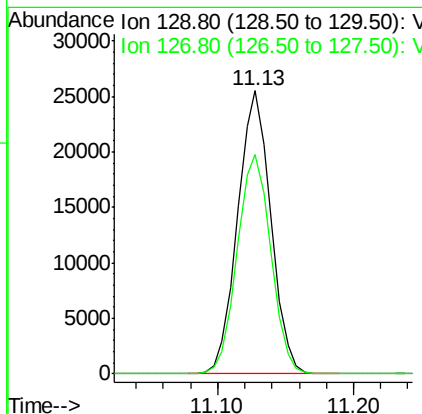
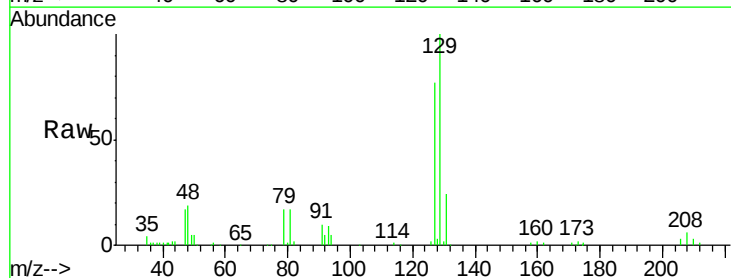
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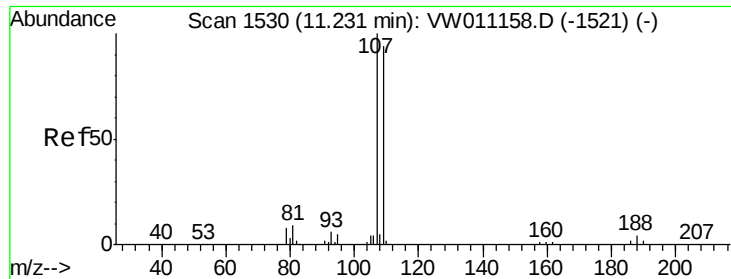
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7/9/2019 4:12:46 PM



#60
Dibromochloromethane
Concen: 19.215 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011157.D
Acq: 08 Jul 2019 11:34

Tgt Ion: 129 Resp: 43484
Ion Ratio Lower Upper
129 100
127 78.4 39.1 117.3





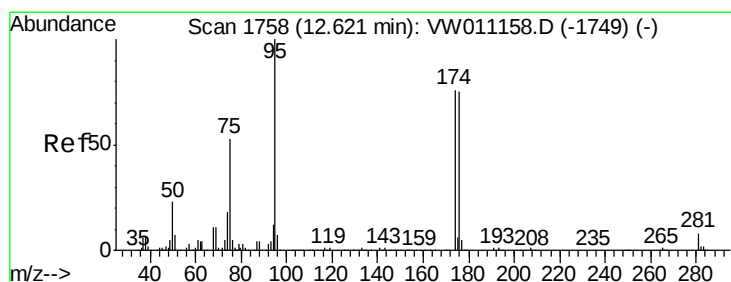
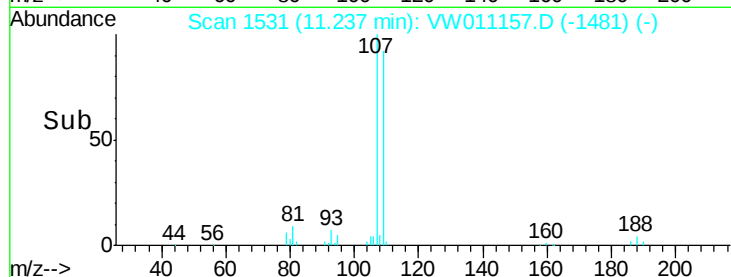
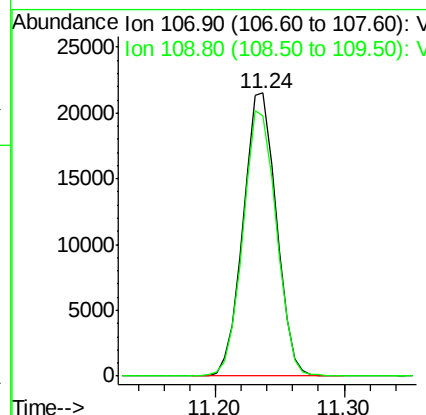
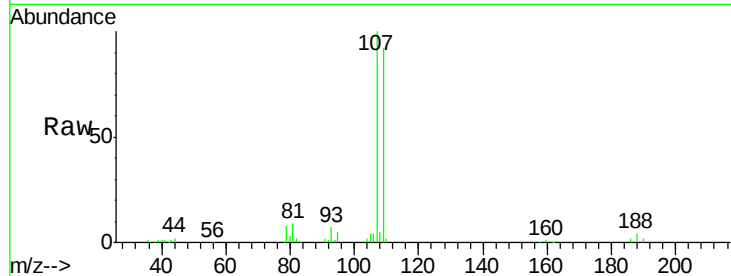
#61
 1,2-Dibromoethane
 Concen: 19.620 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW011157.D
 Acq: 08 Jul 2019 11:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.2	112.8

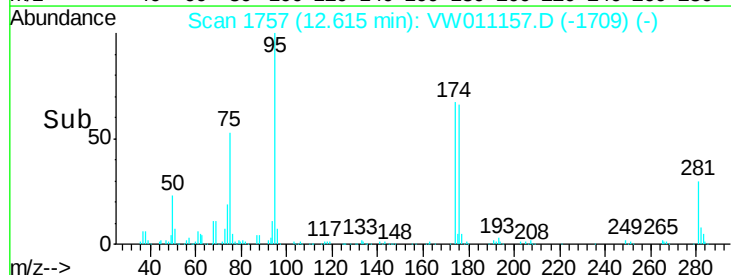
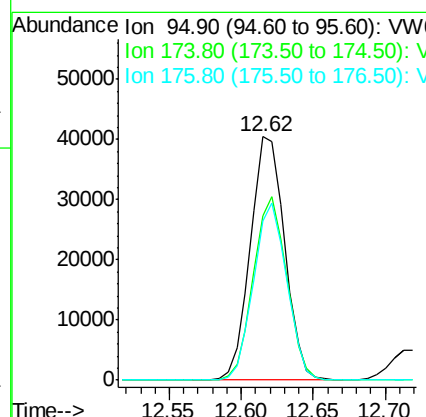
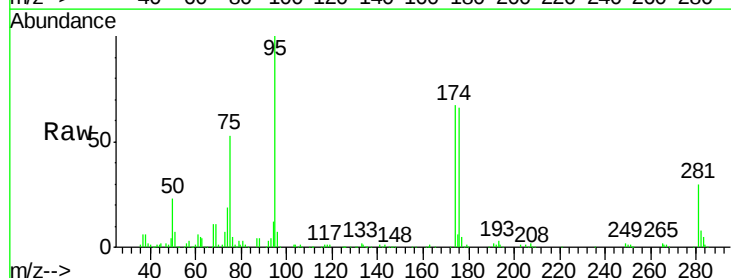
Manual Integrations
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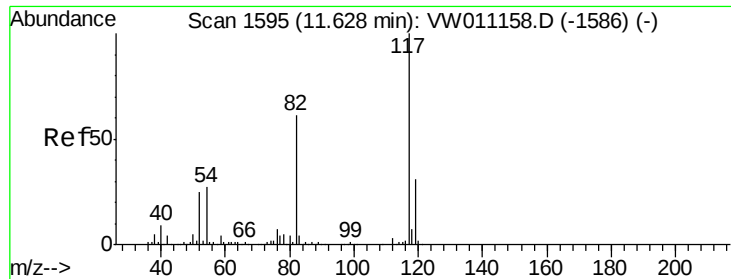
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#62
 4-Bromofluorobenzene
 Concen: 19.362 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW011157.D
 Acq: 08 Jul 2019 11:34

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.5	0.0	147.6
176	70.7	0.0	144.6





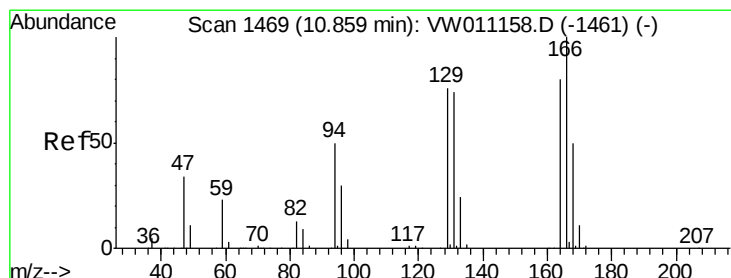
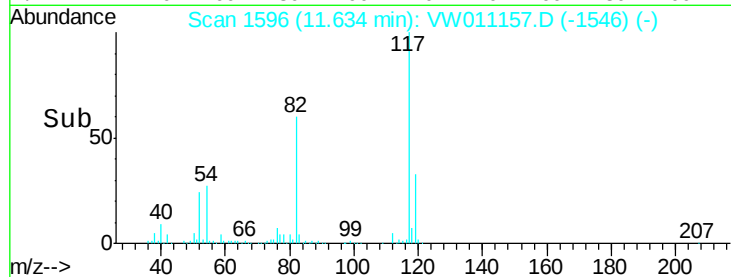
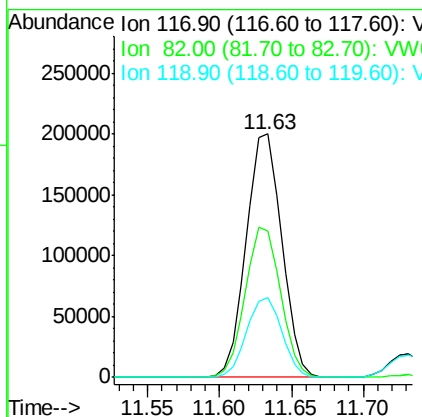
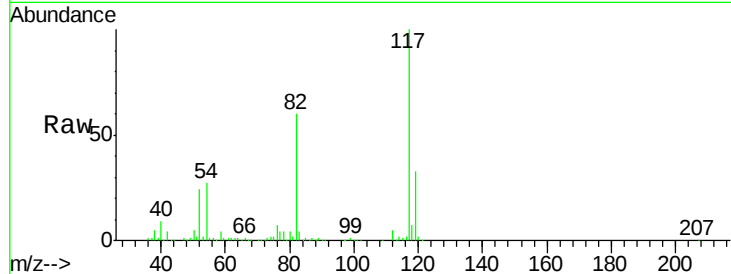
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW011157.D
Acq: 08 Jul 2019 11:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	342696		
82	60.1	48.9	73.3	
119	32.8	25.0	37.6	

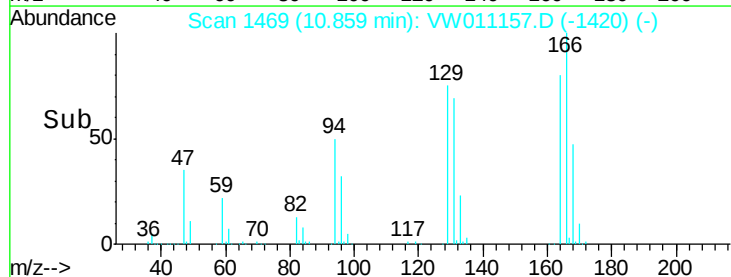
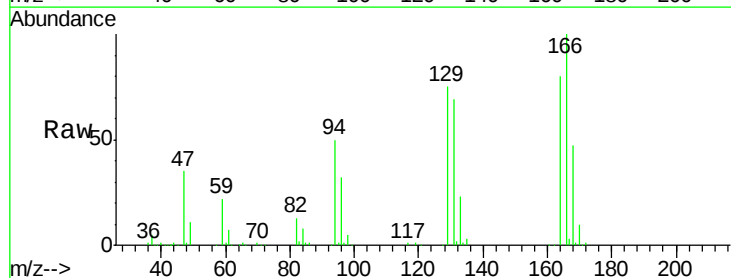
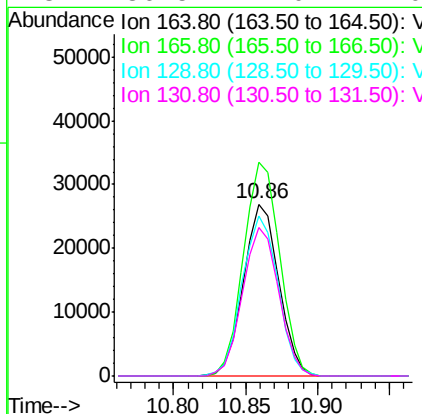
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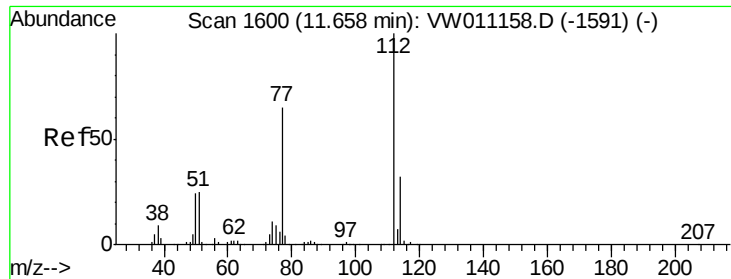
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#64
Tetrachloroethene
Concen: 19.695 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW011157.D
Acq: 08 Jul 2019 11:34

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	45543		
166	124.5	99.7	149.5	
129	93.0	76.2	114.2	
131	86.5	74.0	111.0	





#65

Chlorobenzene

Concen: 19.707 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW011157.D

Acq: 08 Jul 2019 11:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:112 Resp: 137307

Ion Ratio Lower Upper

112 100

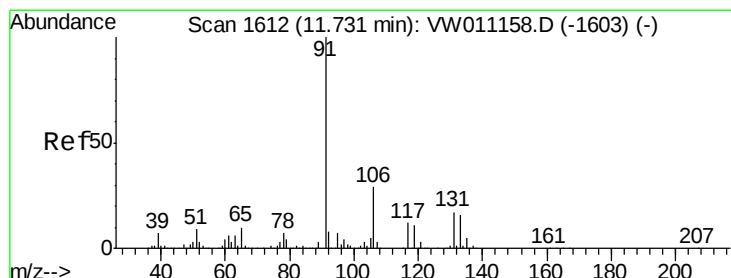
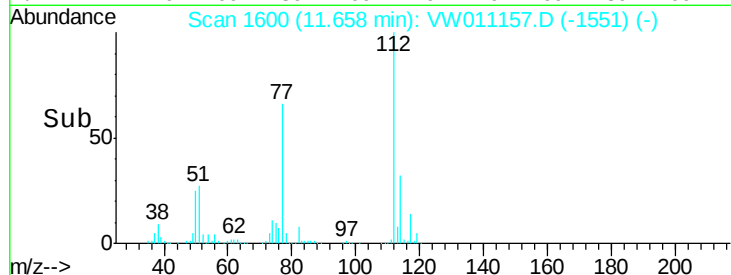
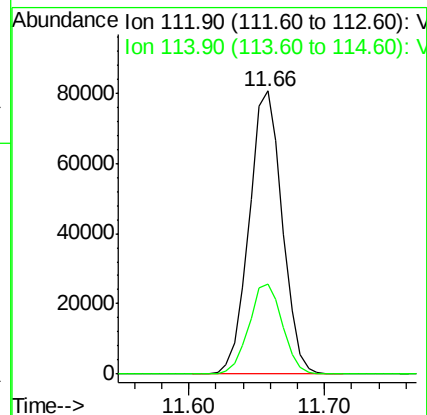
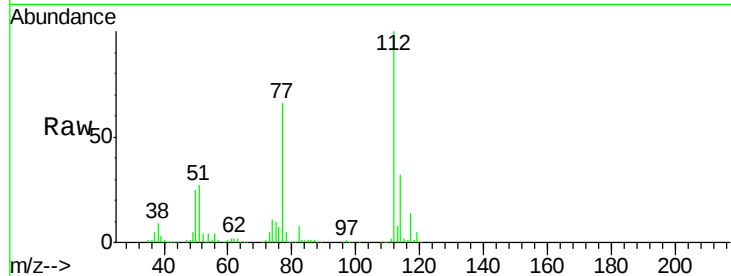
114 32.0 25.5 38.3

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 19.548 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW011157.D

Acq: 08 Jul 2019 11:34

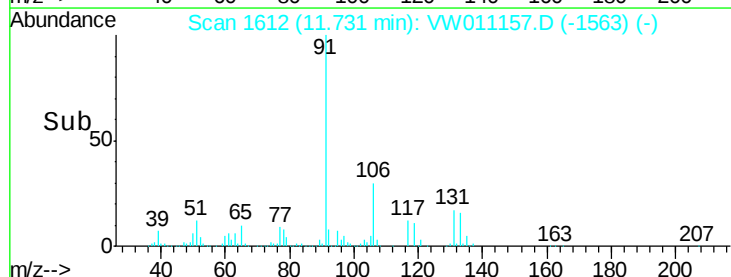
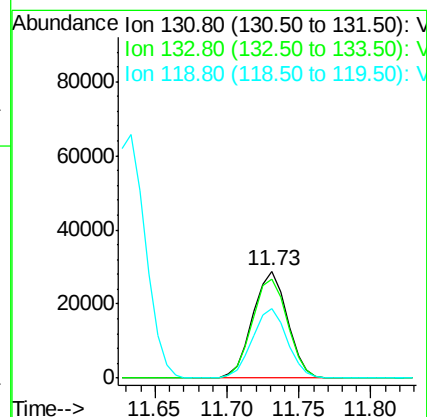
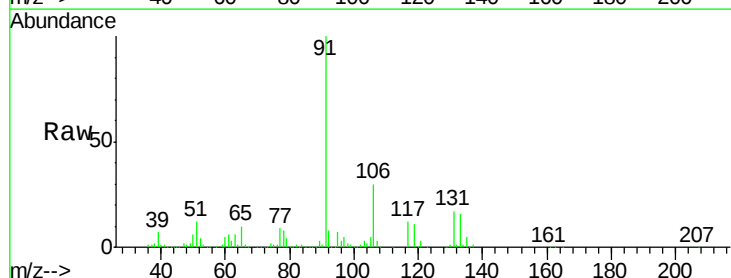
Tgt Ion:131 Resp: 47956

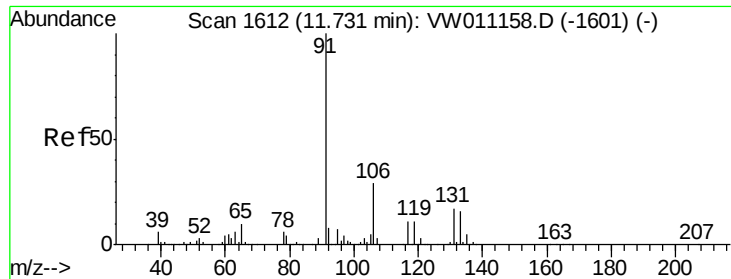
Ion Ratio Lower Upper

131 100

133 94.9 47.9 143.8

119 65.4 33.1 99.2





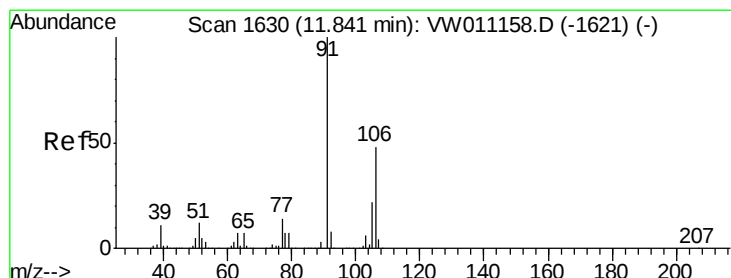
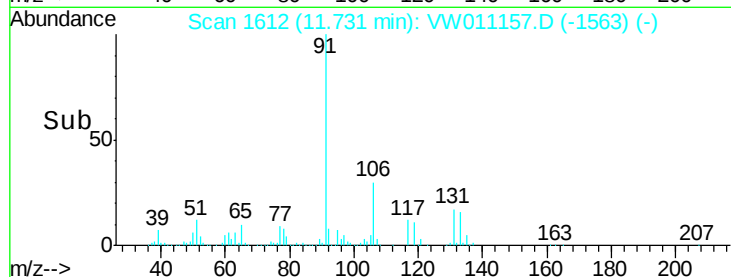
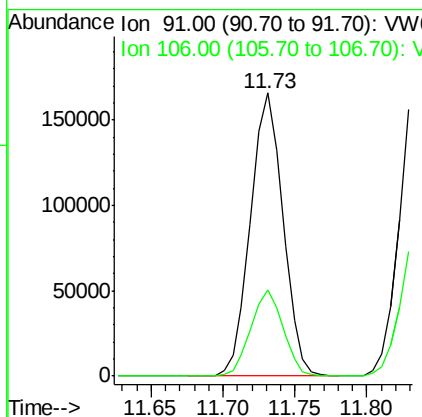
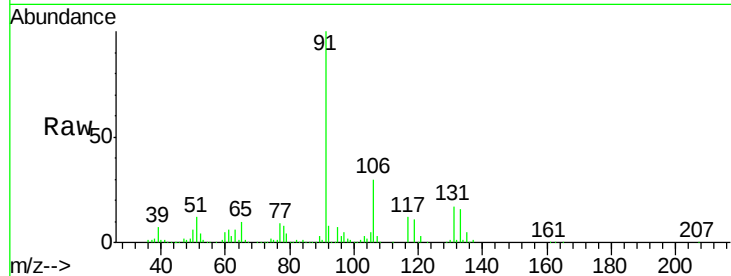
#67
Ethyl Benzene
Concen: 19.440 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011157.D
Acq: 08 Jul 2019 11:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.3	23.5	35.3

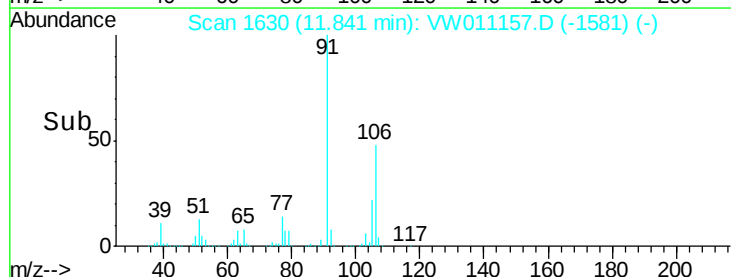
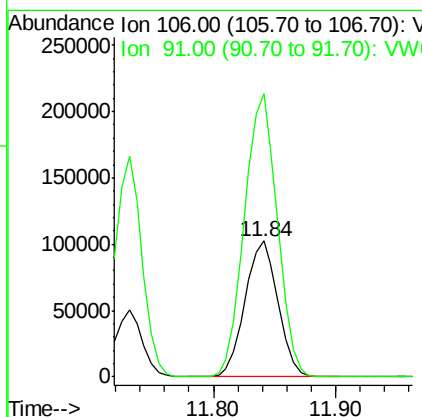
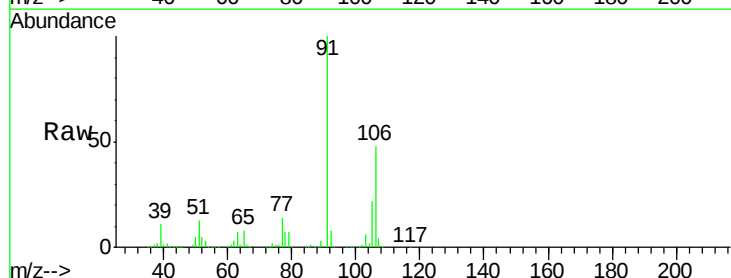
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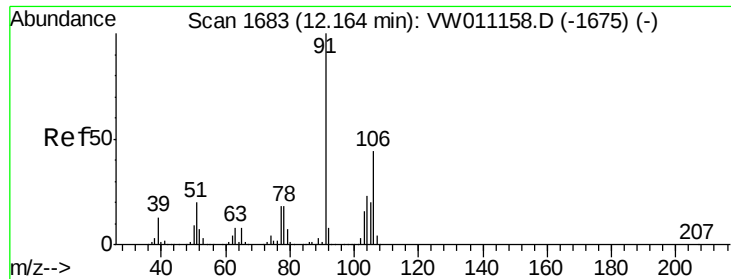
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#68
m/p-Xylenes
Concen: 39.556 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW011157.D
Acq: 08 Jul 2019 11:34

Tgt Ion	Ratio	Lower	Upper
106	100		
91	208.7	167.7	251.5





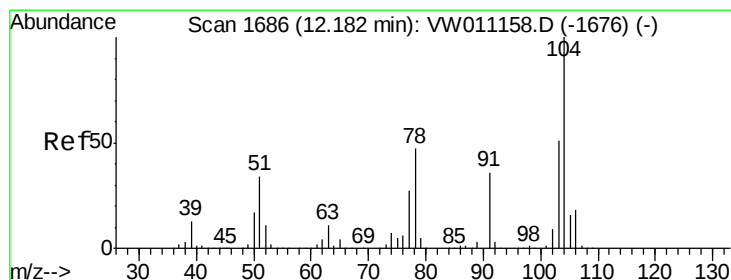
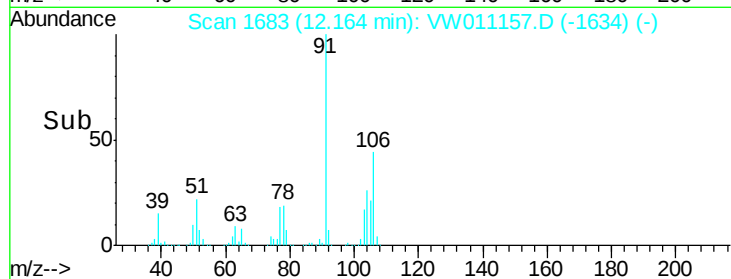
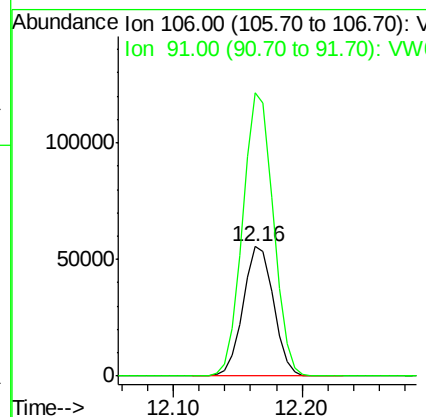
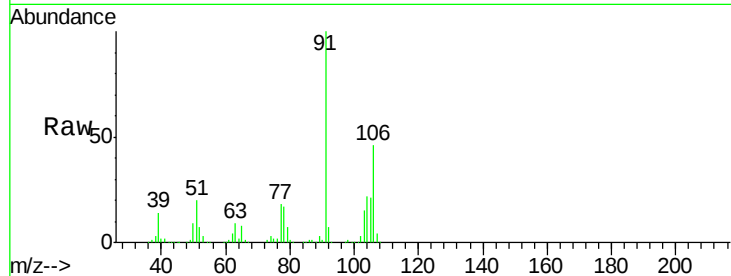
#69
o-Xylene
Concen: 19.884 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011157.D
Acq: 08 Jul 2019 11:34

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion:106 Resp: 90449
Ion Ratio Lower Upper
106 100
91 220.4 110.7 332.1

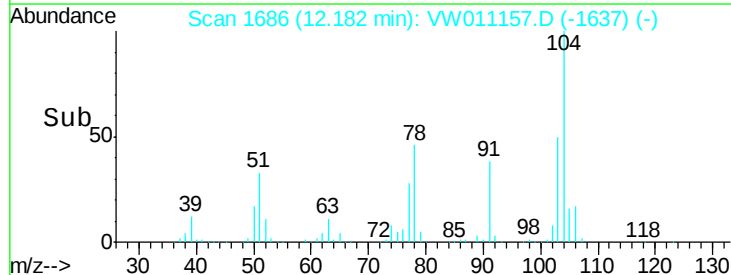
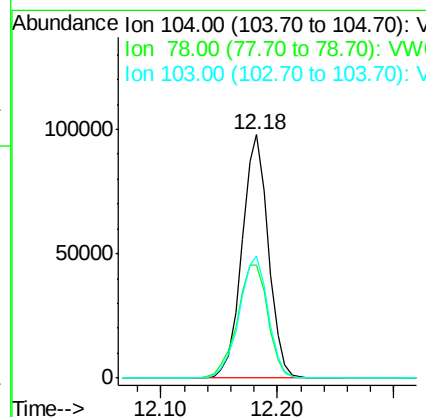
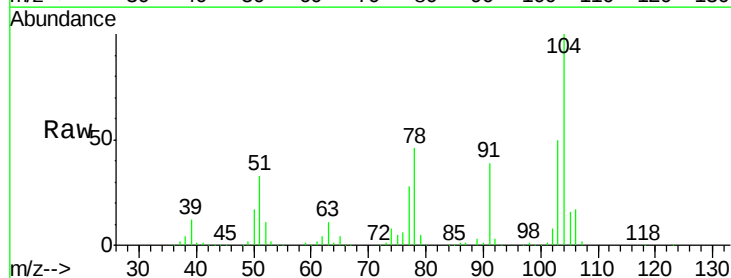
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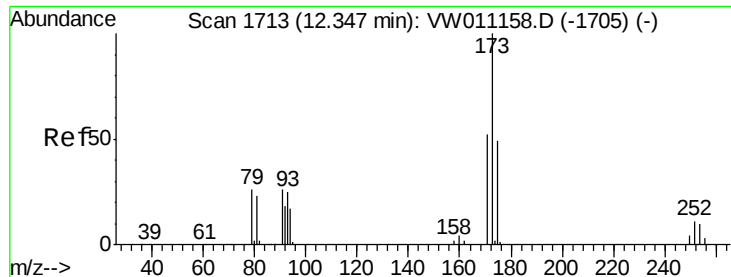
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#70
Styrene
Concen: 19.687 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011157.D
Acq: 08 Jul 2019 11:34

Tgt Ion:104 Resp: 154554
Ion Ratio Lower Upper
104 100
78 54.2 43.1 64.7
103 55.0 44.1 66.1





#71

Bromoform

Concen: 19.122 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW011157.D

Acq: 08 Jul 2019 11:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 24941

Ion Ratio Lower Upper

173 100

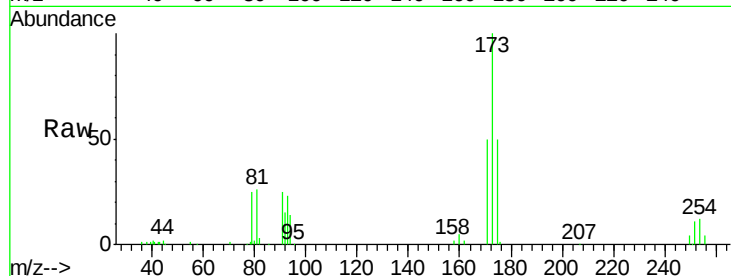
175 47.7 24.8 74.3

254 0.0 0.0 0.0

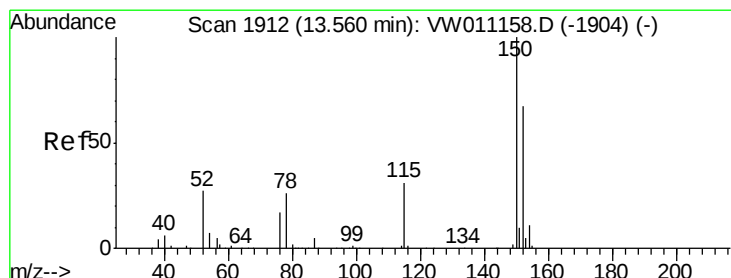
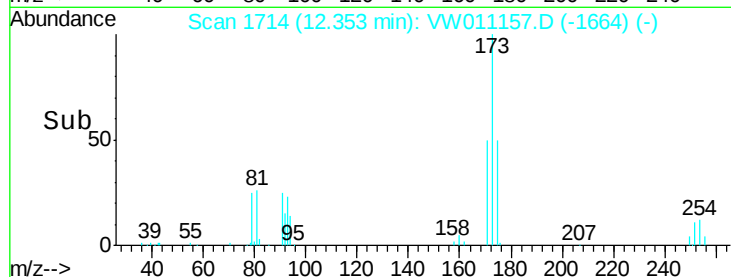
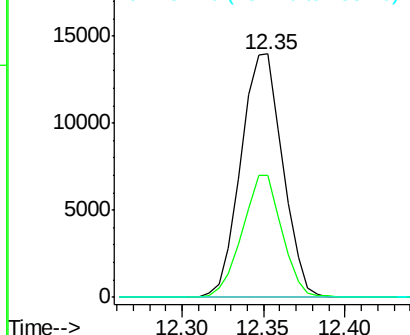
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW011157.D

Acq: 08 Jul 2019 11:34

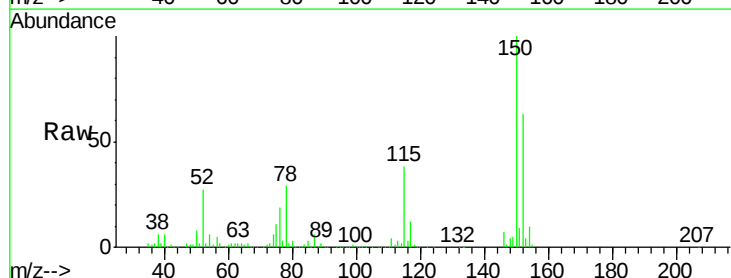
Tgt Ion:152 Resp: 170624

Ion Ratio Lower Upper

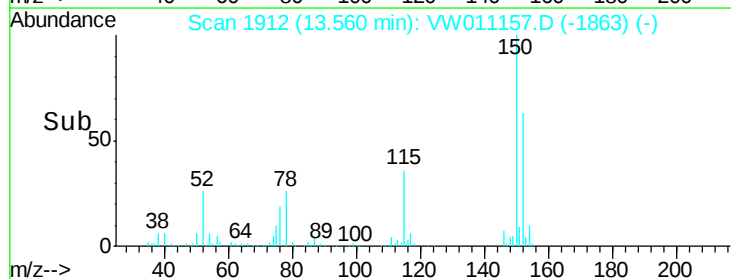
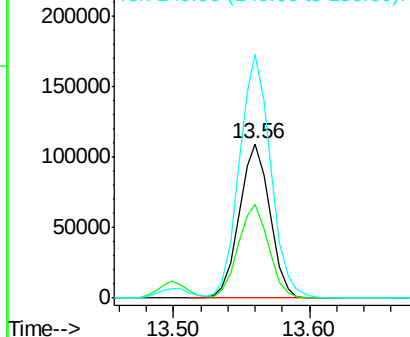
152 100

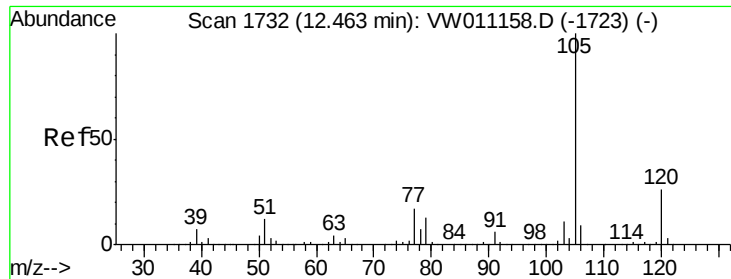
115 60.4 30.1 90.3

150 162.4 0.0 346.0



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





#73

Isopropylbenzene

Concen: 19.090 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011157.D

Acq: 08 Jul 2019 11:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 243484

Ion Ratio Lower Upper

105 100

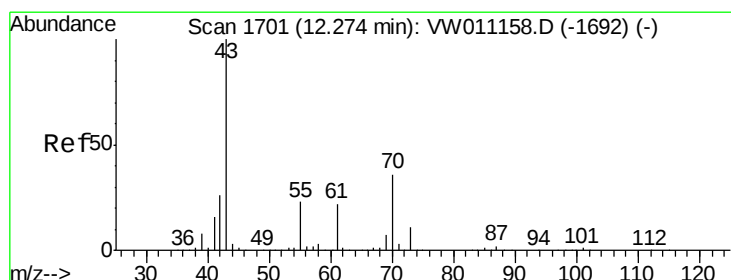
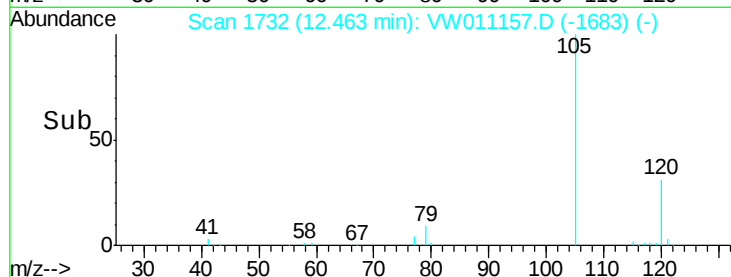
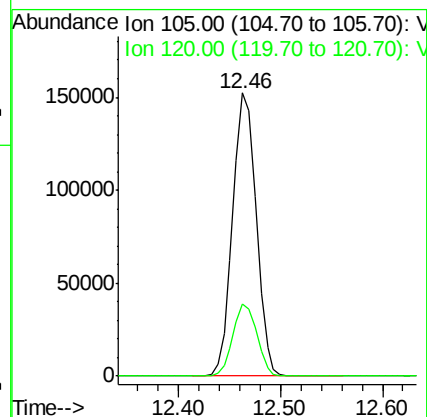
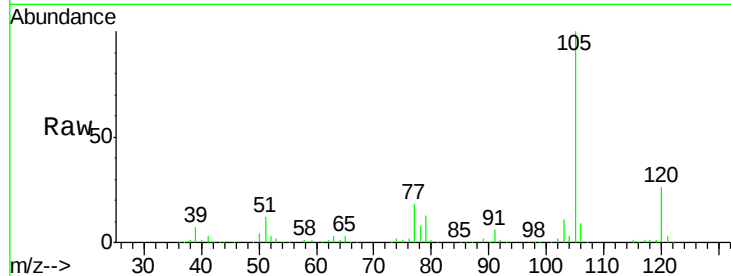
120 25.9 12.8 38.3

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#74

N-ethyl acetate

Concen: 19.641 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW011157.D

Acq: 08 Jul 2019 11:34

Tgt Ion: 43 Resp: 87247

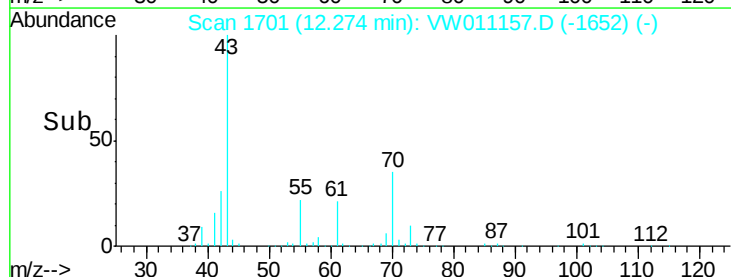
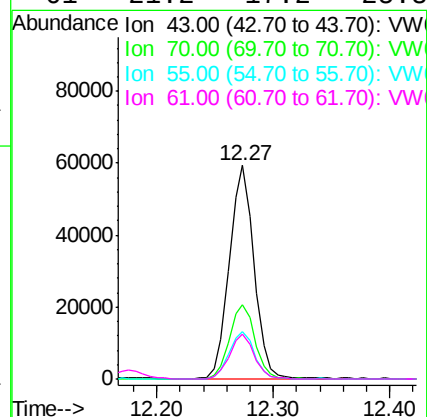
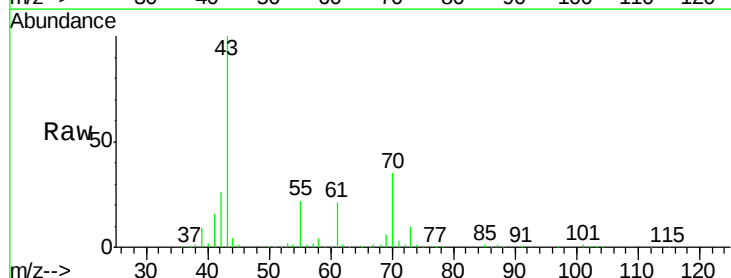
Ion Ratio Lower Upper

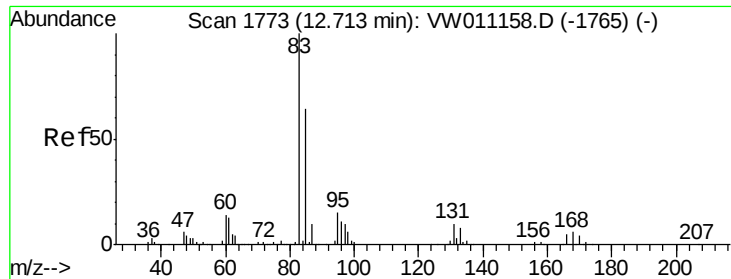
43 100

70 36.1 28.5 42.7

55 23.0 18.1 27.1

61 21.2 17.2 25.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.433 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011157.D

Acq: 08 Jul 2019 11:34

Instrument :

MSVOA_W

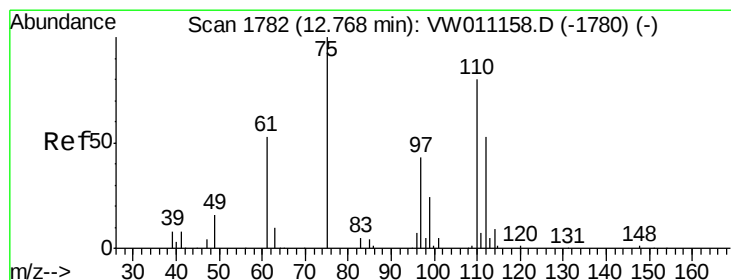
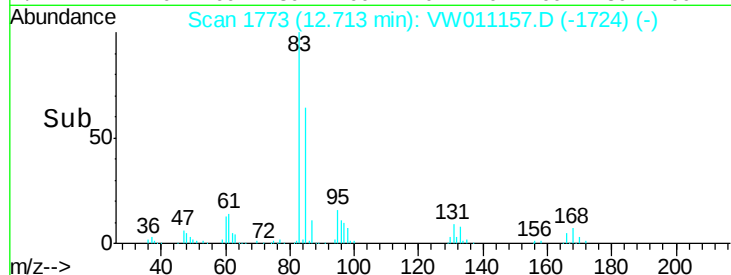
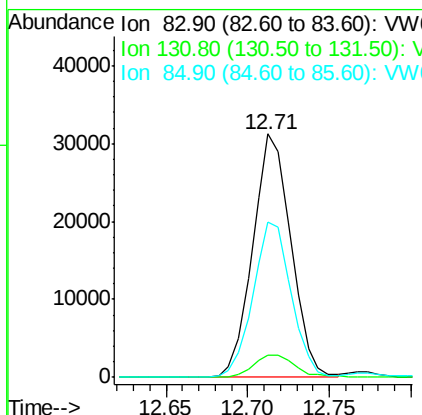
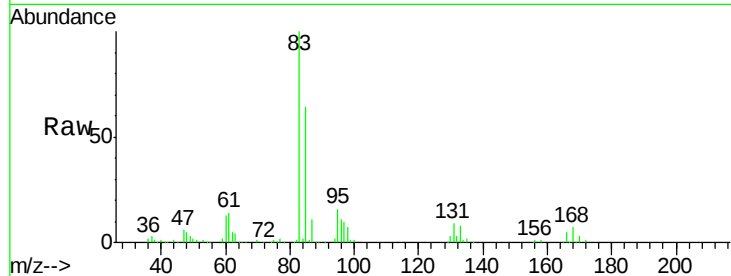
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	50808
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.0	15.0
85	63.7	31.6	94.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.343 ug/l m

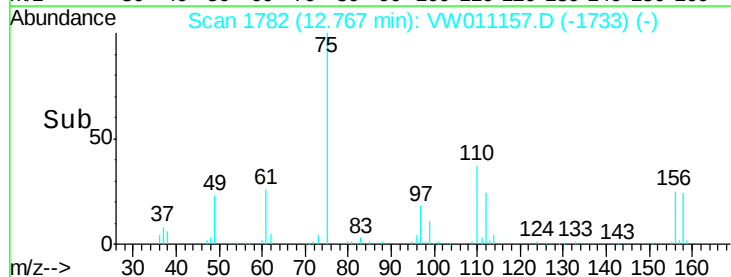
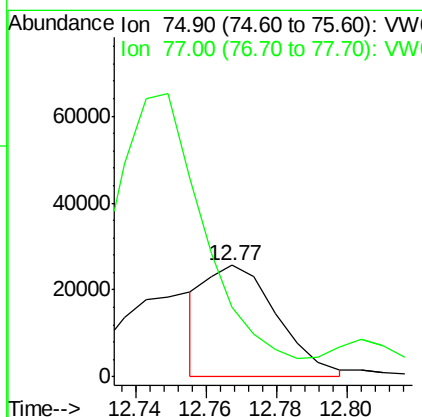
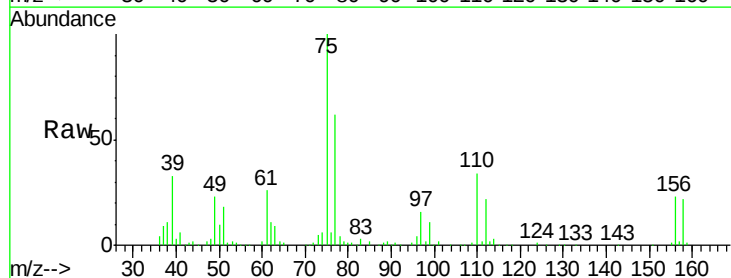
RT: 12.77 min Scan# 1782

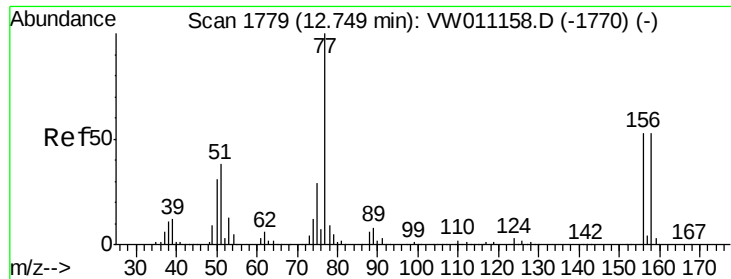
Delta R.T. -0.00 min

Lab File: VW011157.D

Acq: 08 Jul 2019 11:34

Tgt Ion:	75	Resp:	36266
Ion Ratio	Lower	Upper	
75	100		
77	333.1	0.0	0.0#





#77

Bromobenzene

Concen: 19.191 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW011157.D

Acq: 08 Jul 2019 11:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:156 Resp: 54933

Ion Ratio Lower Upper

156 100

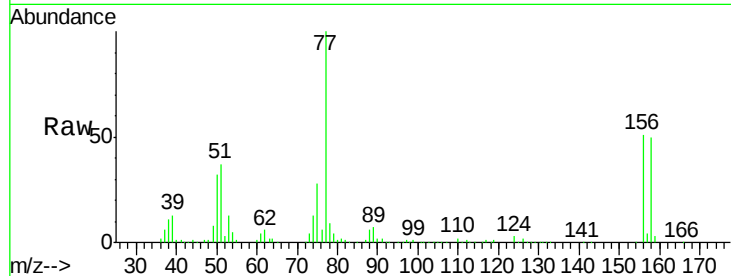
77 219.9 109.0 327.0

158 96.8 48.8 146.3

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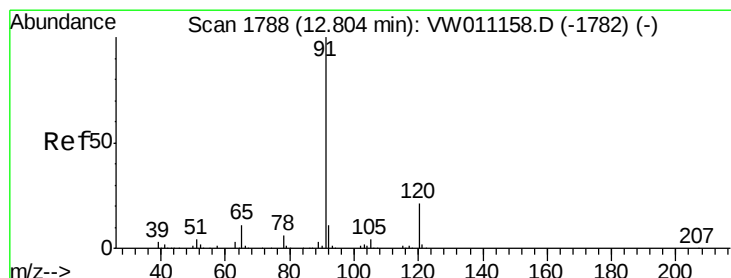
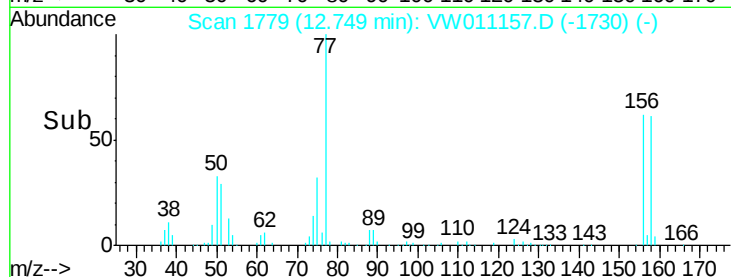
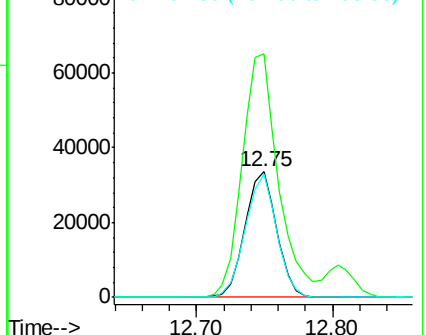
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.310 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW011157.D

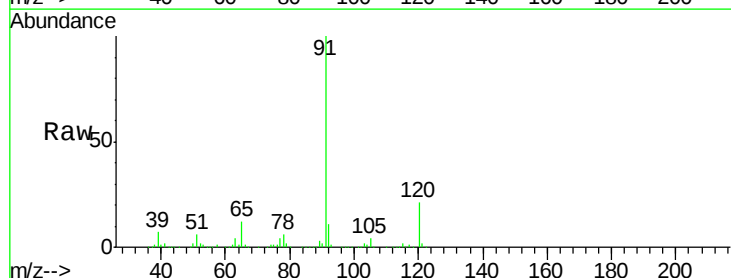
Acq: 08 Jul 2019 11:34

Tgt Ion: 91 Resp: 303397

Ion Ratio Lower Upper

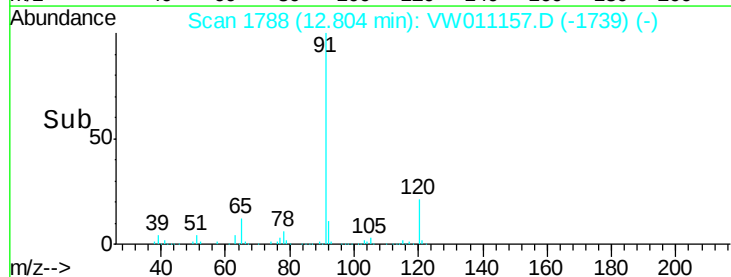
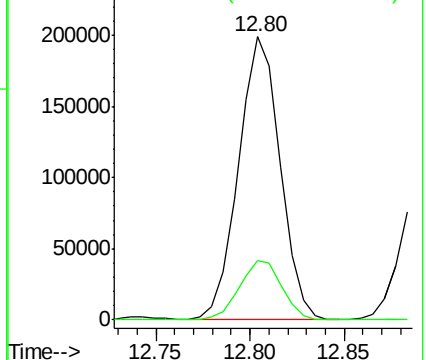
91 100

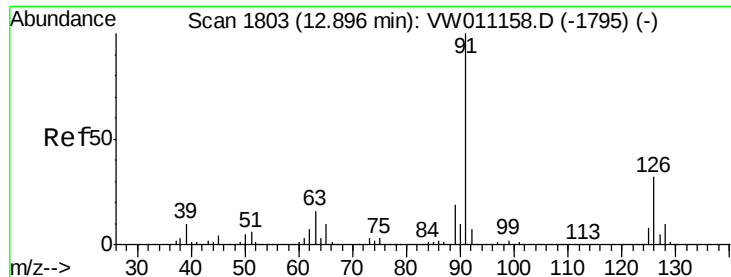
120 21.5 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.303 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW011157.D

Acq: 08 Jul 2019 11:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 174526

Ion Ratio Lower Upper

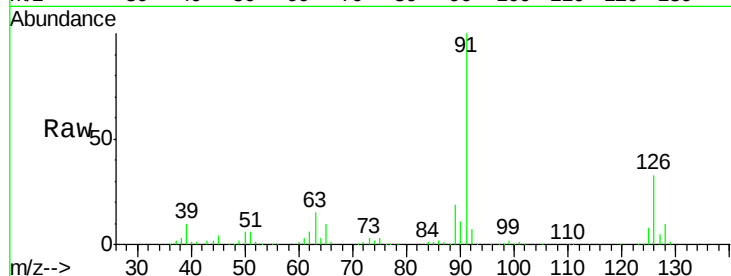
91 100

126 31.2 15.8 47.3

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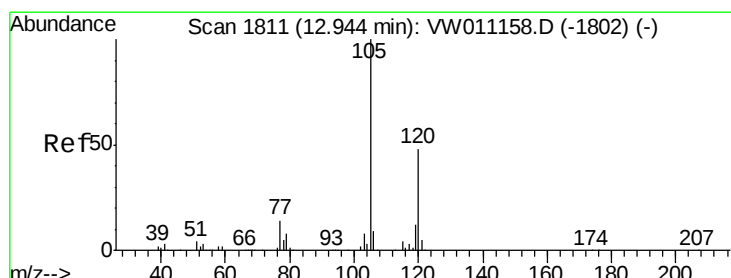
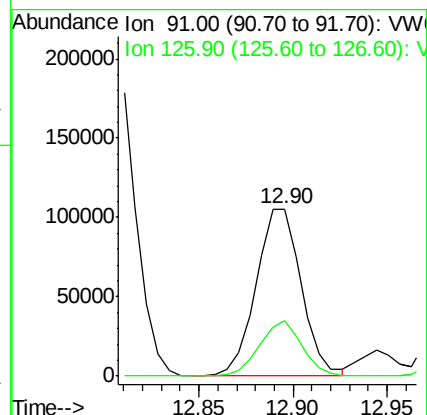
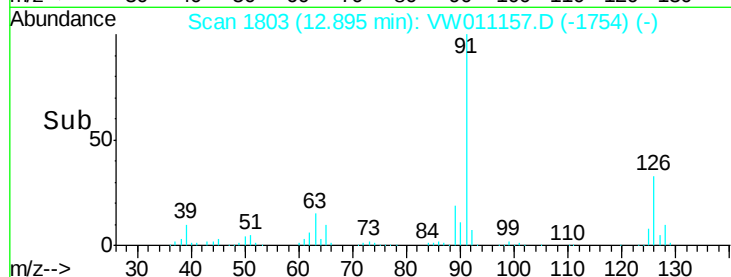
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.285 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW011157.D

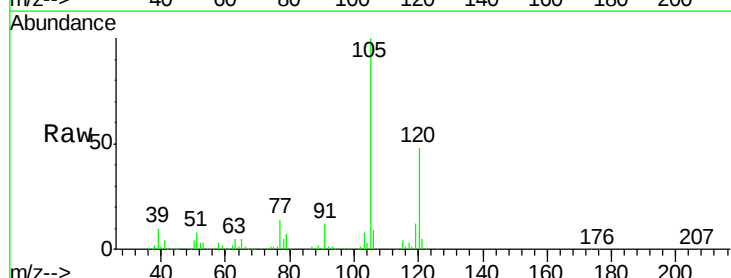
Acq: 08 Jul 2019 11:34

Tgt Ion: 105 Resp: 208965

Ion Ratio Lower Upper

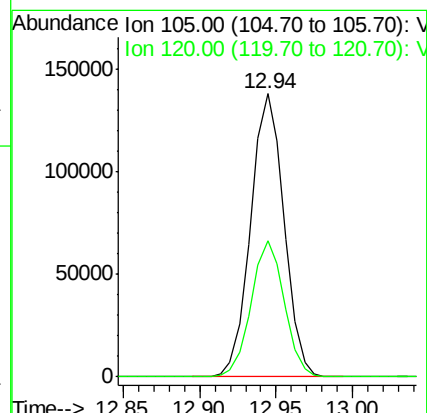
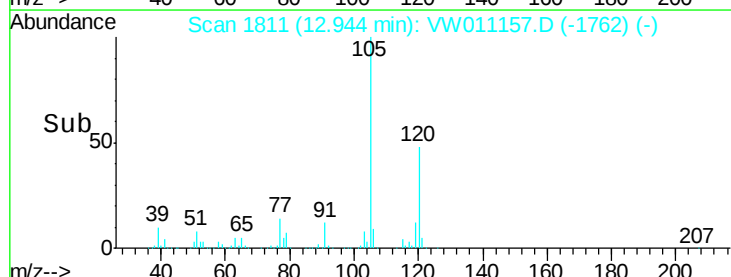
105 100

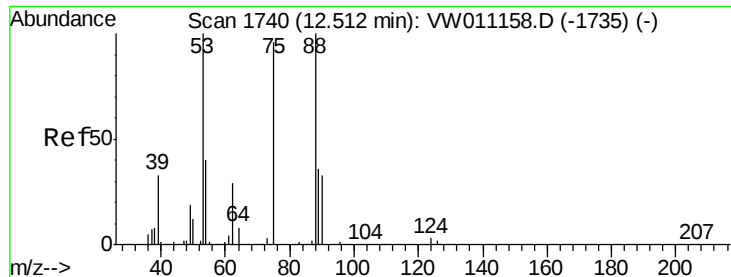
120 48.0 24.1 72.2



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: 19.077 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW011157.D

Acq: 08 Jul 2019 11:34

Instrument :

MSVOA_W

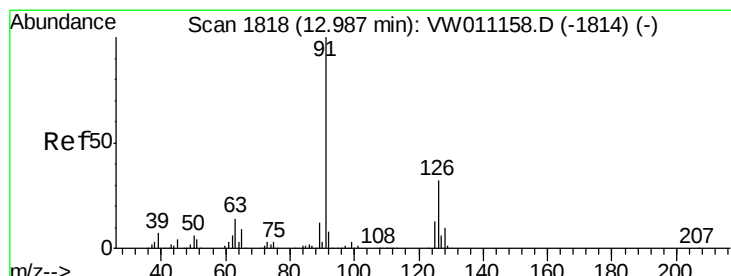
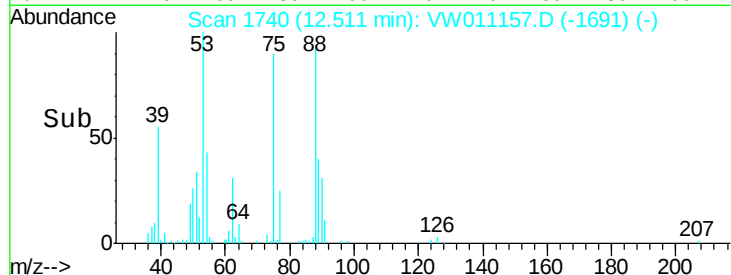
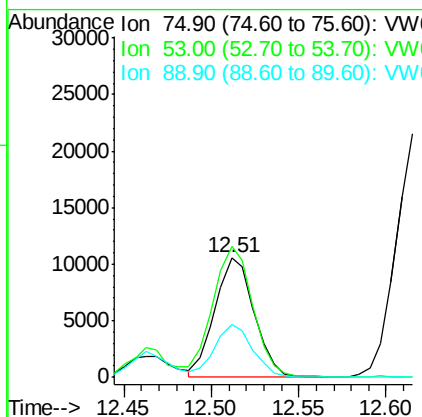
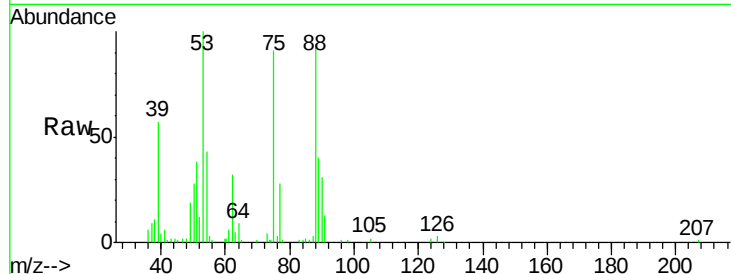
ClientSampled :

VSTDIC020

Tot Ion:	75	Resp:	16631
Ion	Ratio	Lower	Upper
75	100		
53	113.2	89.8	134.6
89	42.7	34.3	51.5

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#82

4-Chlorotoluene

Concen: 19.463 ug/l

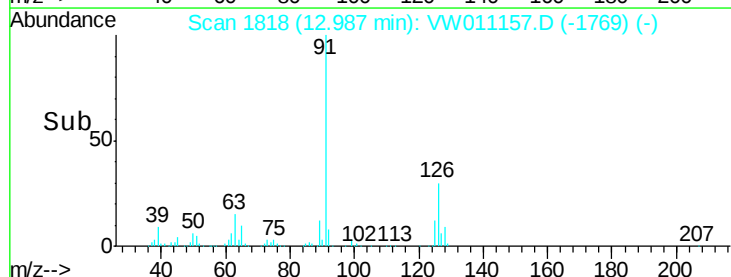
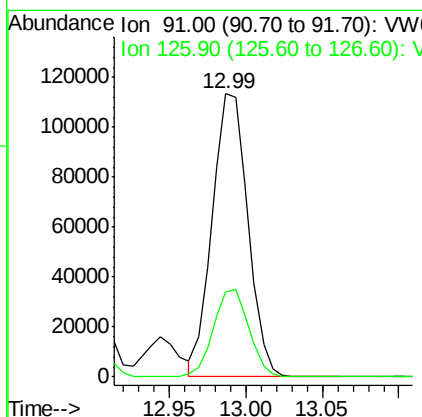
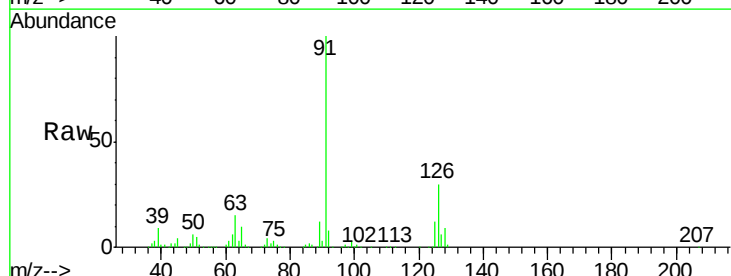
RT: 12.99 min Scan# 1818

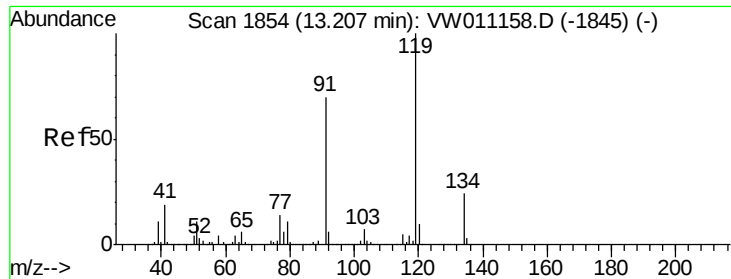
Delta R.T. -0.00 min

Lab File: VW011157.D

Acq: 08 Jul 2019 11:34

Tgt Ion:	91	Resp:	183287
Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.7	47.1





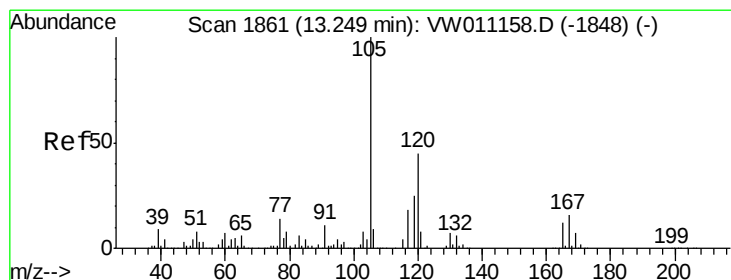
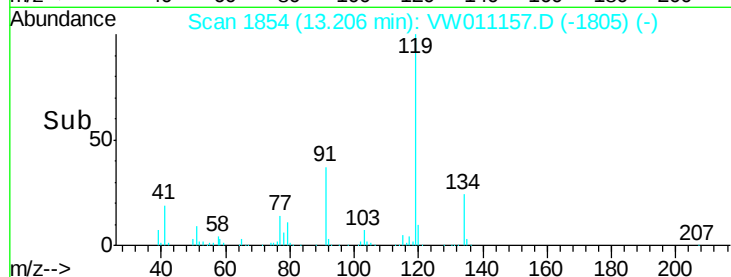
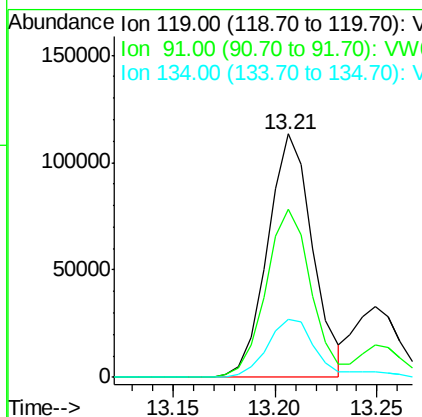
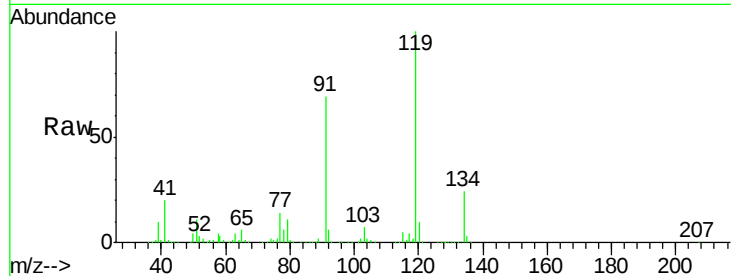
#83
tert-Butylbenzene
Concen: 19.334 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW011157.D
Acq: 08 Jul 2019 11:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	174718		
91	70.1	35.4	106.3	
134	24.9	13.4	40.2	

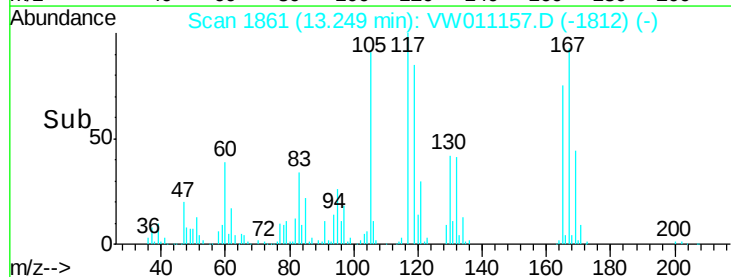
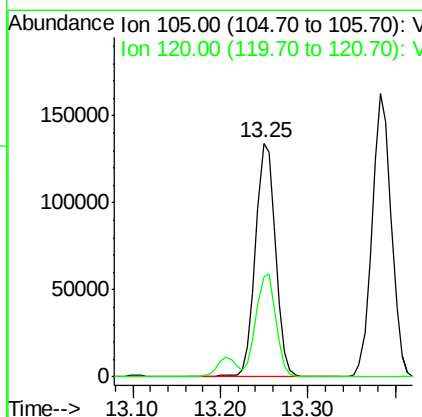
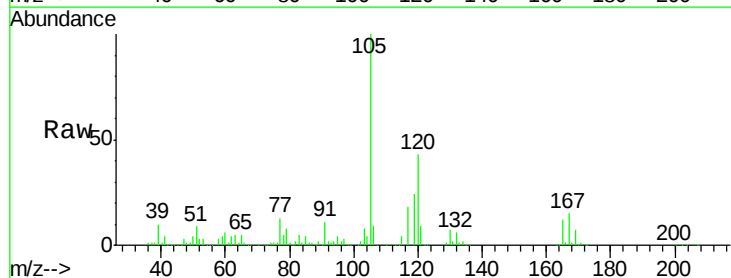
Manual Integrations
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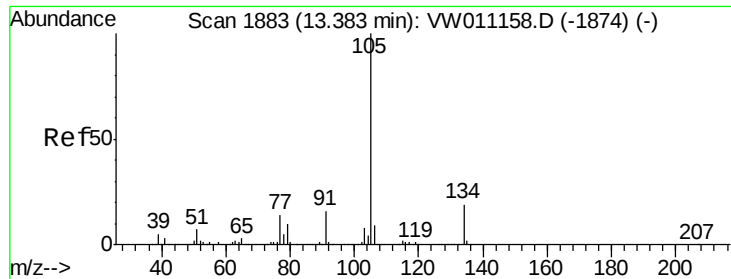
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#84
1,2,4-Trimethylbenzene
Concen: 19.563 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW011157.D
Acq: 08 Jul 2019 11:34

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	212859		
120	43.7	22.3	66.9	





#85

sec-Butylbenzene

Concen: 19.191 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW011157.D

Acq: 08 Jul 2019 11:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 250246

Ion Ratio Lower Upper

105 100

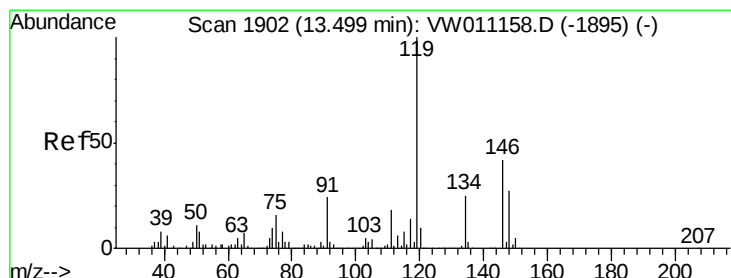
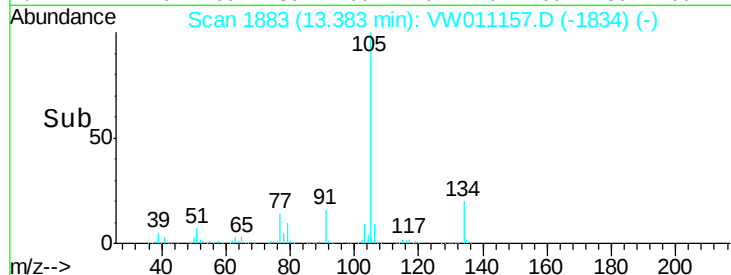
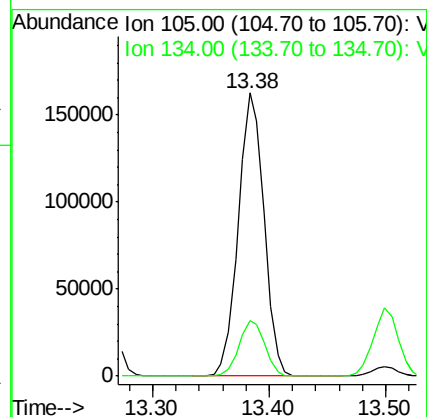
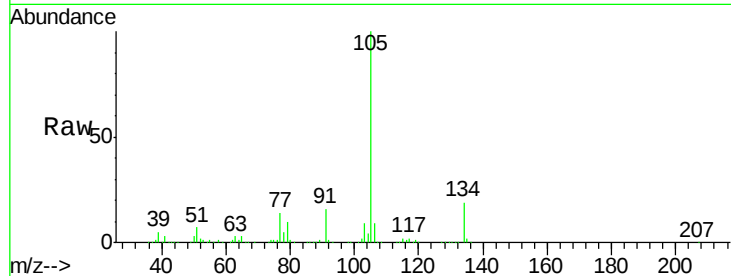
134 19.6 9.7 28.9

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.537 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW011157.D

Acq: 08 Jul 2019 11:34

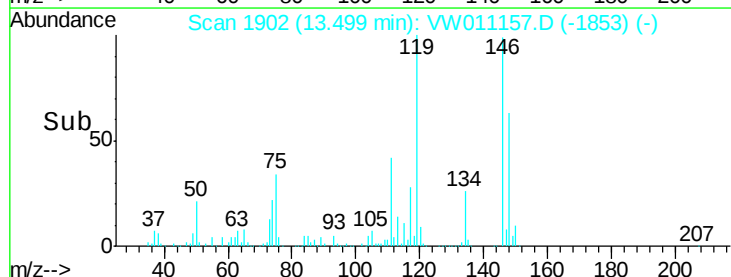
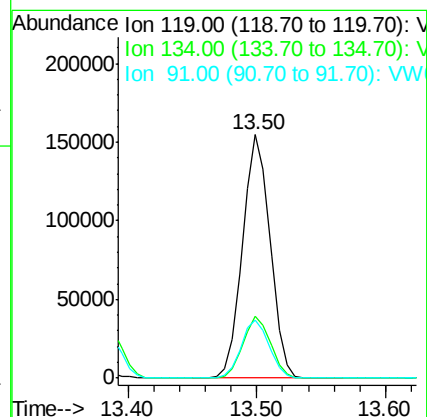
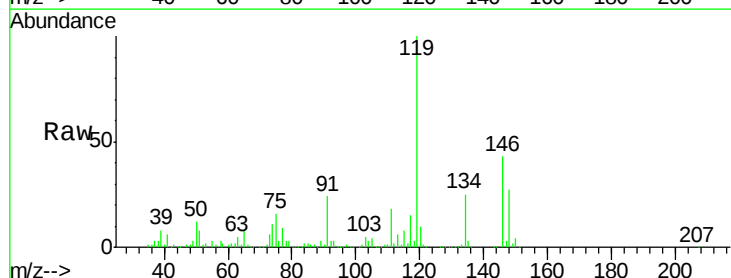
Tgt Ion:119 Resp: 228496

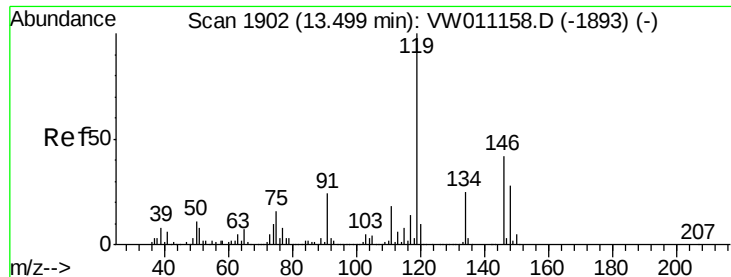
Ion Ratio Lower Upper

119 100

134 25.5 12.9 38.6

91 24.1 12.3 36.8





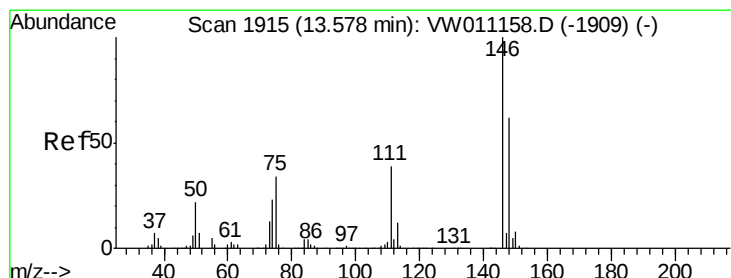
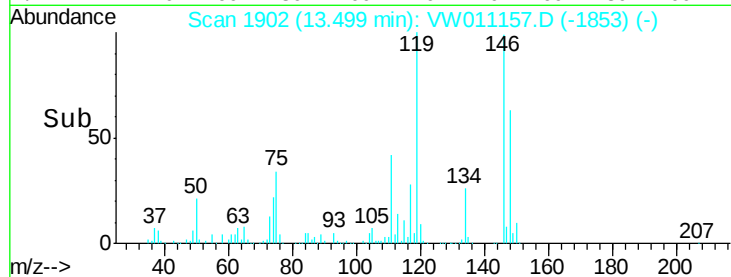
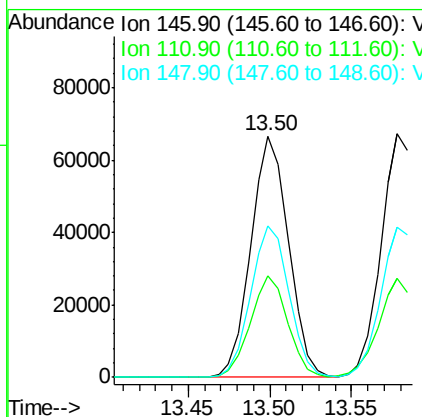
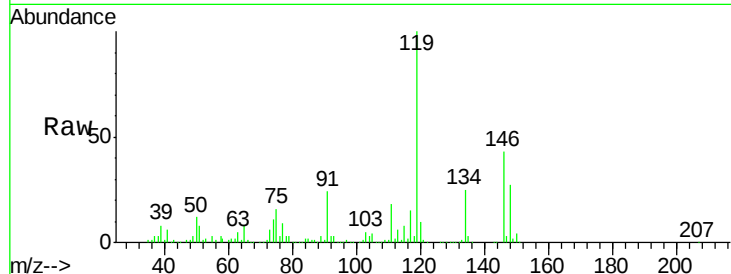
#87
 1,3-Dichlorobenzene
 Concen: 19.428 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011157.D
 Acq: 08 Jul 2019 11:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	106995		
111	41.9		21.1	63.1
148	64.1		32.6	97.7

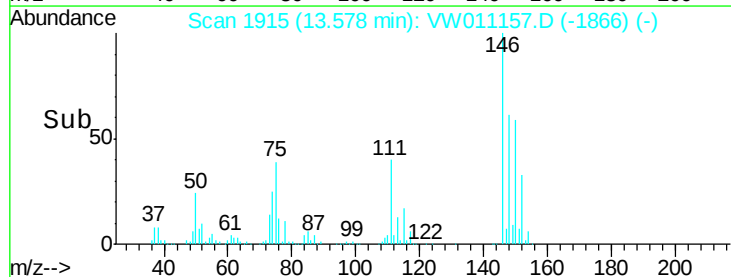
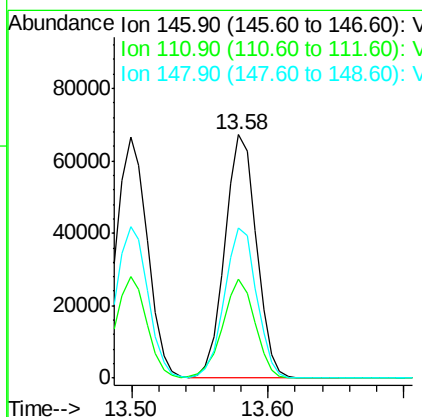
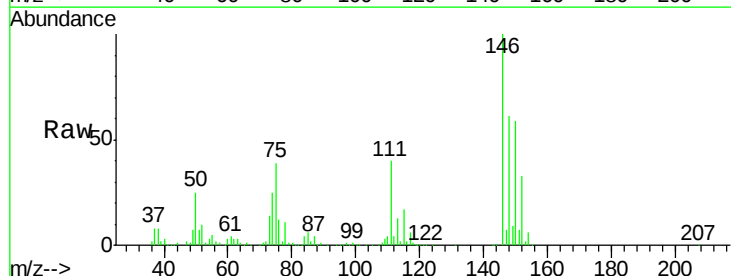
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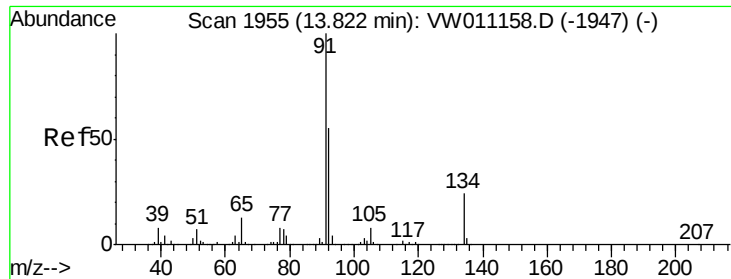
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#88
 1,4-Dichlorobenzene
 Concen: 19.550 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW011157.D
 Acq: 08 Jul 2019 11:34

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	108421		
111	41.6		19.9	59.7
148	62.9		31.5	94.5





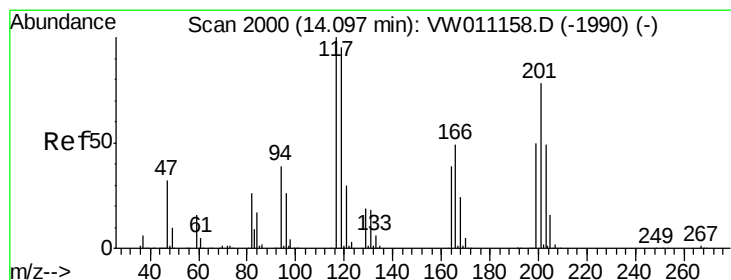
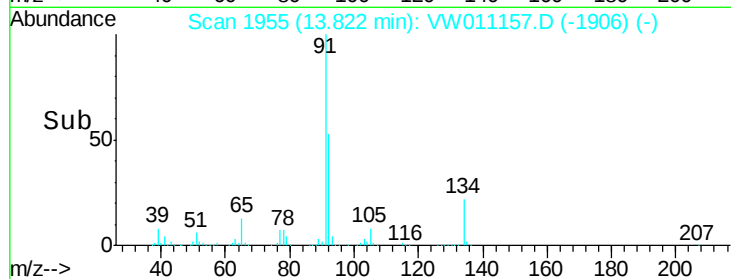
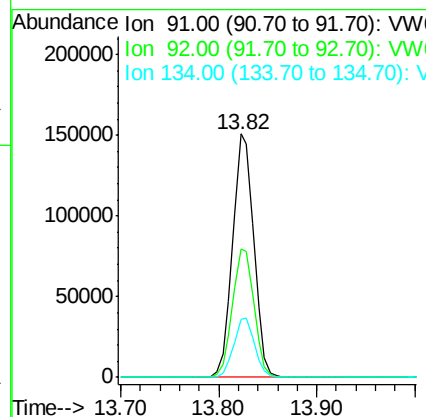
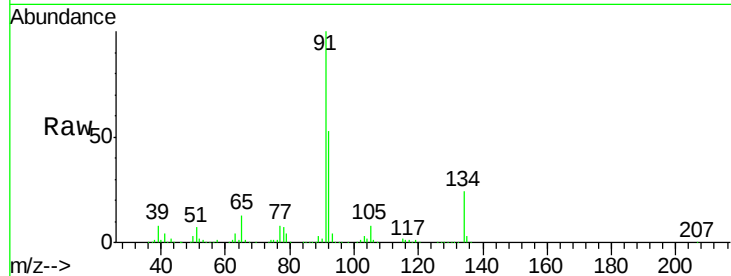
#89
n-Butylbenzene
Concen: 19.372 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW011157.D
Acq: 08 Jul 2019 11:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.9	80.7
134	24.0	12.2	36.4

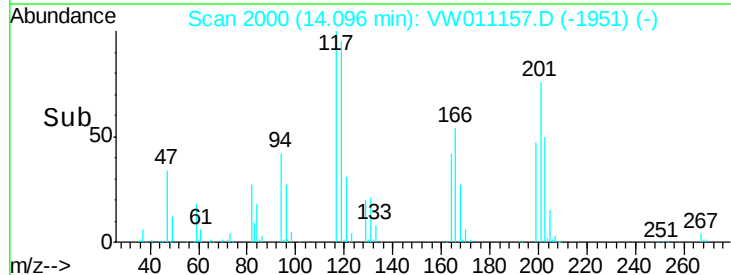
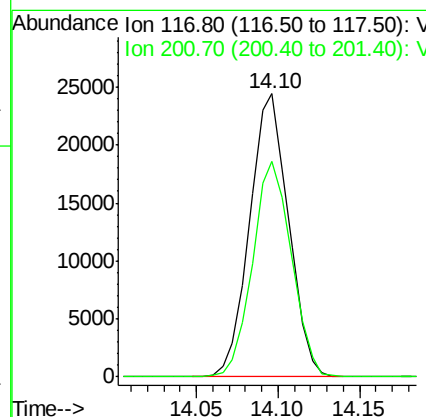
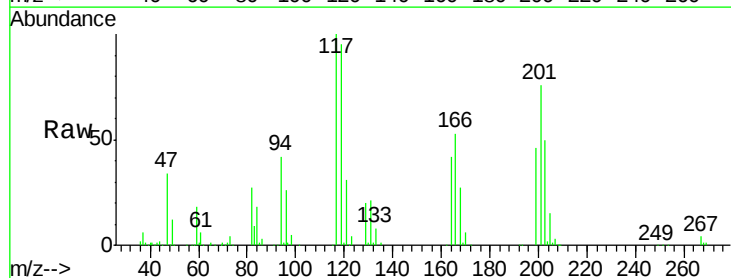
Manual Integrations
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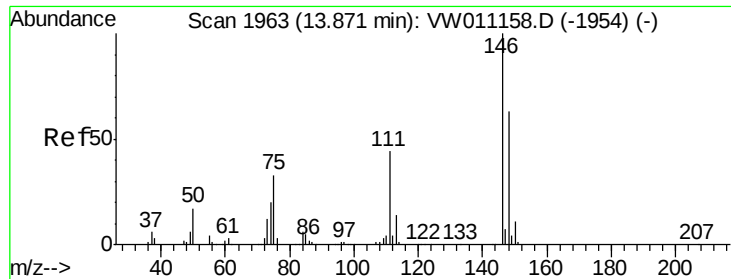
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#90
Hexachloroethane
Concen: 18.912 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW011157.D
Acq: 08 Jul 2019 11:34

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.3	38.3	114.8





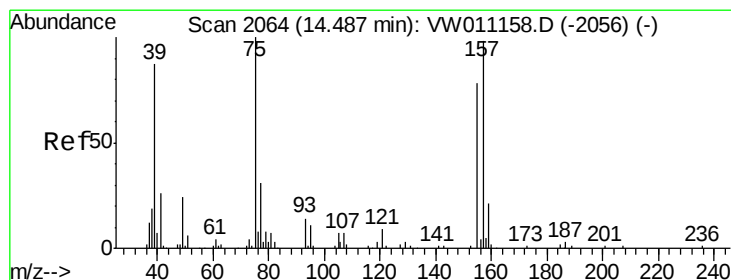
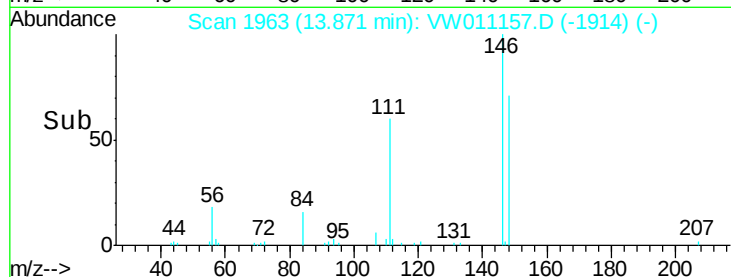
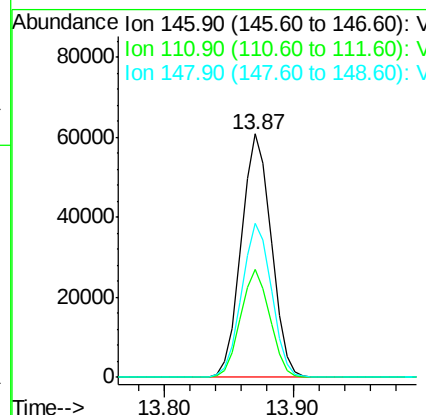
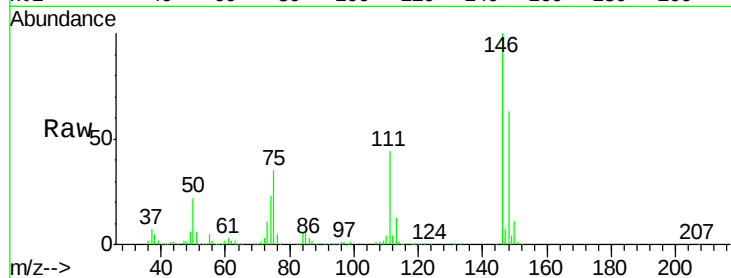
#91
 1,2-Dichlorobenzene
 Concen: 19.599 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011157.D
 Acq: 08 Jul 2019 11:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.6	65.0
148	63.0	31.9	95.5

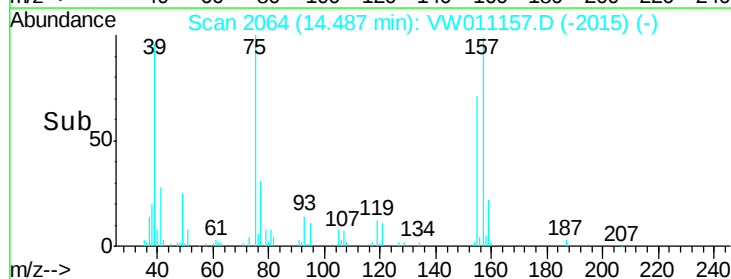
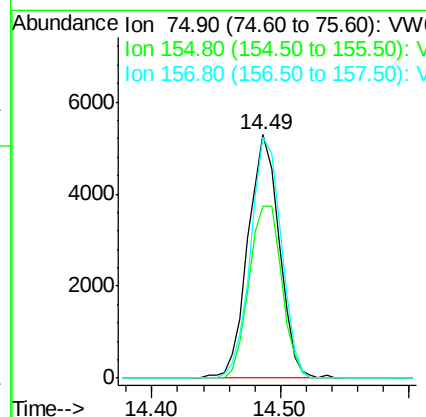
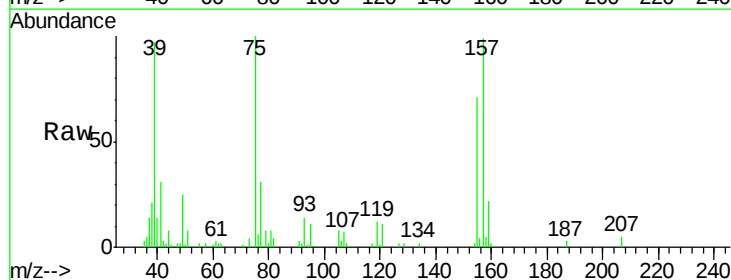
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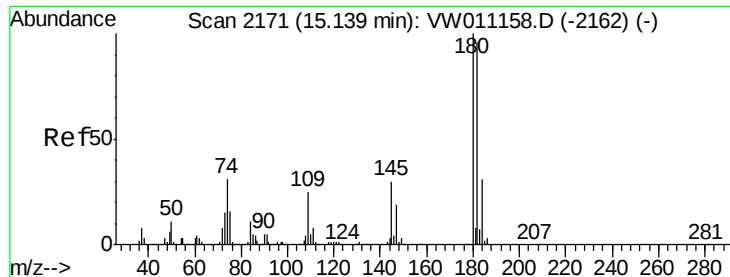
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.094 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011157.D
 Acq: 08 Jul 2019 11:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.7	37.1	111.3
157	96.3	48.5	145.6





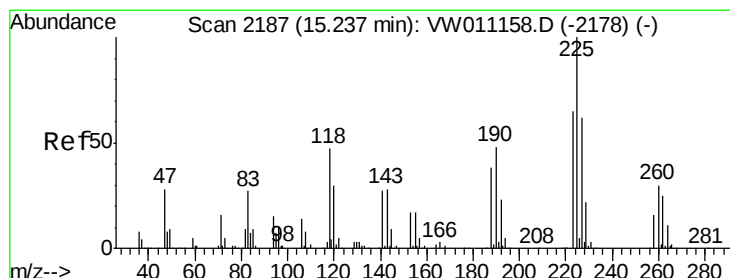
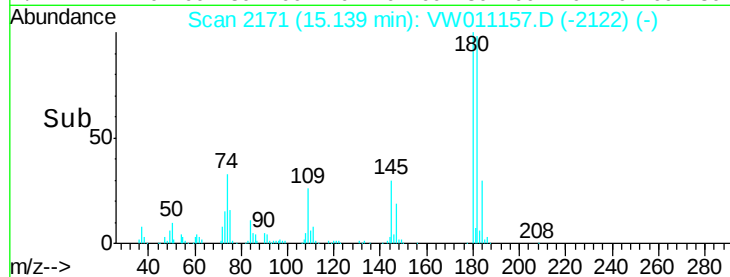
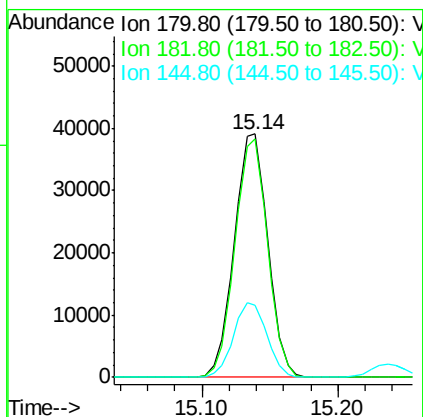
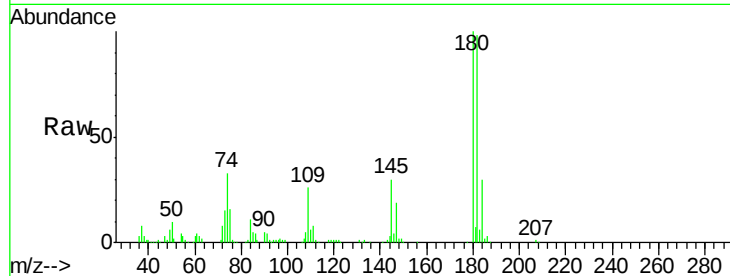
#93
 1,2,4-Trichlorobenzene
 Concen: 19.553 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW011157.D
 Acq: 08 Jul 2019 11:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	48.3	144.9
145	30.6	15.5	46.5

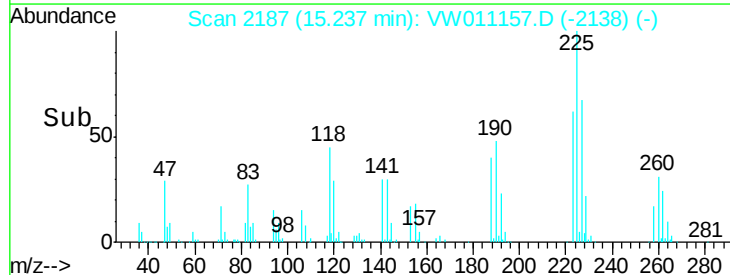
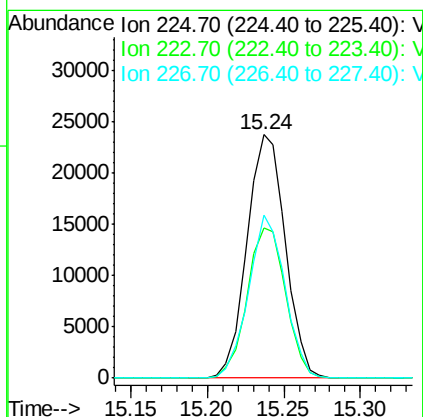
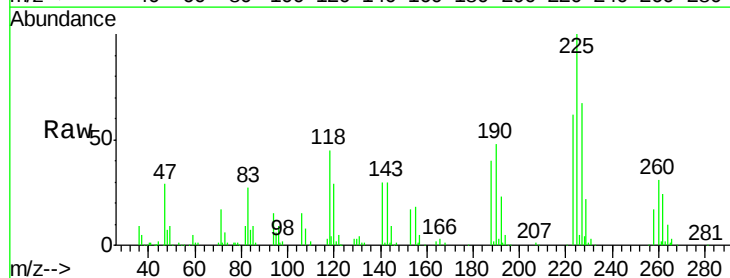
Manual Integrations
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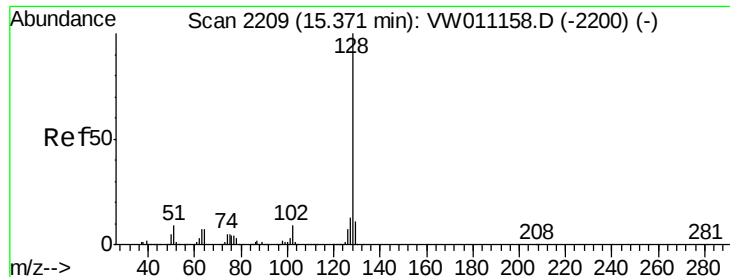
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#94
 Hexachlorobutadiene
 Concen: 19.558 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW011157.D
 Acq: 08 Jul 2019 11:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	31.6	95.0
227	63.4	32.0	96.0





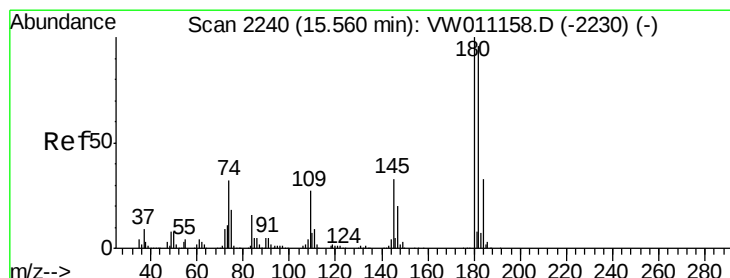
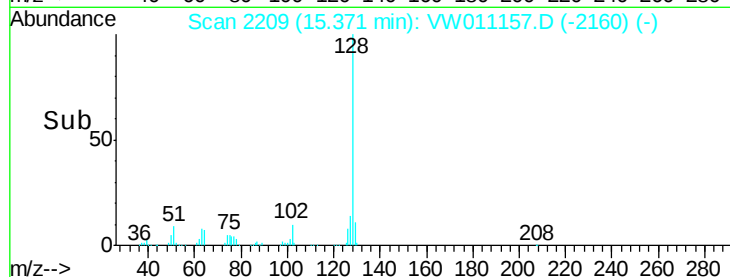
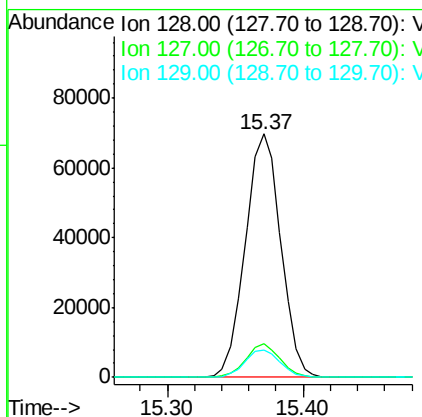
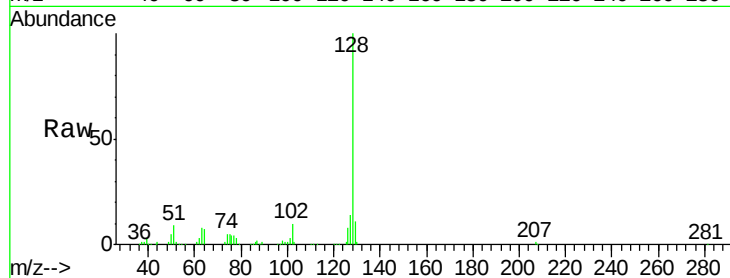
#95
Naphthalene
Concen: 19.331 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW011157.D
Acq: 08 Jul 2019 11:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	16.0
129	11.2	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.670 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW011157.D
Acq: 08 Jul 2019 11:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.6	142.8
145	32.1	16.5	49.5

