

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070819\
 Data File : VW011159.D
 Acq On : 08 Jul 2019 12:28
 Operator : SY/VA
 Sample : VSTDICC100
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

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 7/9/2019 4:12:57 PM

Quant Time: Jul 09 06:02:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 09 05:44:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	239654	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	393665	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	354182	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	169177	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	295231	98.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	196.08%	
35) Dibromofluoromethane	7.88	113	232632	99.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	198.28%	
50) Toluene-d8	10.32	98	949191	100.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	200.16%	
62) 4-Bromofluorobenzene	12.62	95	345509	99.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	198.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	165143	92.395	ug/l	100
3) Chloromethane	2.21	50	214988	93.347	ug/l	99
4) Vinyl Chloride	2.36	62	281094	93.249	ug/l	97
5) Bromomethane	2.76	94	142003	93.748	ug/l	96
6) Chloroethane	2.91	64	158249	97.465	ug/l	100
7) Trichlorofluoromethane	3.25	101	106406	99.363	ug/l	100
8) Diethyl Ether	3.67	74	148826	100.441	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.05	101	244368	95.267	ug/l	100
10) Methyl Iodide	4.27	142	351245	99.561	ug/l	99
11) Tert butyl alcohol	5.17	59	110286	494.667	ug/l	98
12) 1,1-Dichloroethene	4.04	96	264569	99.375	ug/l	95
13) Acrolein	3.89	56	93764	528.149	ug/l	97
14) Allyl chloride	4.66	41	468573	96.517	ug/l	99
15) Acrylonitrile	5.35	53	381090	505.005	ug/l	99
16) Acetone	4.11	43	351045	484.492	ug/l	100
17) Carbon Disulfide	4.38	76	802353	99.408	ug/l	99
18) Methyl Acetate	4.66	43	204555	90.274	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	399103	98.798	ug/l	98
20) Methylene Chloride	4.91	84	274965	96.197	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	276586	99.981	ug/l	97
22) Diisopropyl ether	6.31	45	1040547	99.651	ug/l	98
23) Vinyl Acetate	6.24	43	3499914	541.600	ug/l	100
24) 1,1-Dichloroethane	6.21	63	549701	100.252	ug/l	100
25) 2-Butanone	7.17	43	593689	521.983	ug/l	98
26) 2,2-Dichloropropane	7.16	77	274131	96.179	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	301028	100.876	ug/l	100
28) Bromochloromethane	7.51	49	248497	99.670	ug/l	99
29) Tetrahydrofuran	7.52	42	383409	514.101	ug/l	99
30) Chloroform	7.67	83	494855	97.451	ug/l	99
31) Cyclohexane	7.95	56	542036	92.921	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	378416	97.965	ug/l	100
36) 1,1-Dichloropropene	8.08	75	413592	98.659	ug/l	100
37) Ethyl Acetate	7.24	43	253767	100.751	ug/l	100
38) Carbon Tetrachloride	8.07	117	358551	100.892	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	507813	99.941	ug/l	99
40) Benzene	8.32	78	1147965	99.086	ug/l	100
41) Methacrylonitrile	7.48	41	167023	115.943	ug/l	90
42) 1,2-Dichloroethane	8.40	62	374949	99.766	ug/l	100
43) Isopropyl Acetate	8.42	43	499137	104.962	ug/l	100
44) Trichloroethene	9.09	130	278719	99.973	ug/l	100
45) 1,2-Dichloropropane	9.37	63	315643	100.609	ug/l	100
46) Dibromomethane	9.46	93	149407	101.379	ug/l	99
47) Bromodichloromethane	9.64	83	387566	102.779	ug/l	99
48) Methyl methacrylate	9.43	41	245766	107.424	ug/l	99
49) 1,4-Dioxane	9.45	88	50625	2057.964	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	1301472	523.923	ug/l	100
52) Toluene	10.38	92	711441	101.231	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	424933	105.867	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	494485	104.664	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	213811	102.265	ug/l	98
56) Ethyl methacrylate	10.65	69	342974	107.747	ug/l	99
57) 1,3-Dichloropropane	10.93	76	402424	101.786	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	806934	546.816	ug/l	99
59) 2-Hexanone	10.97	43	917373	532.515	ug/l	100
60) Dibromochloromethane	11.13	129	241277	105.239	ug/l	100
61) 1,2-Dibromoethane	11.23	107	203337	102.673	ug/l	100
64) Tetrachloroethene	10.86	164	226772	94.886	ug/l	98
65) Chlorobenzene	11.66	112	717741	99.673	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	256738	101.259	ug/l	99
67) Ethyl Benzene	11.73	91	1374266	99.692	ug/l	98
68) m/p-Xylenes	11.84	106	990624	198.600	ug/l	100
69) o-Xylene	12.16	106	472493	100.502	ug/l	99
70) Styrene	12.18	104	830779	102.393	ug/l	99
71) Bromoform	12.35	173	140759	104.416	ug/l	# 99
73) Isopropylbenzene	12.46	105	1270145	100.434	ug/l	99
74) N-amyl acetate	12.27	43	467990	106.253	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	262273	101.171	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	187531m	95.662	ug/l	
77) Bromobenzene	12.75	156	285904	100.737	ug/l	100
78) n-propylbenzene	12.80	91	1546815	99.289	ug/l	99
79) 2-Chlorotoluene	12.89	91	893008	99.612	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	1071083	99.692	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	95111	110.034	ug/l	95
82) 4-Chlorotoluene	12.99	91	919440	98.468	ug/l	100
83) tert-Butylbenzene	13.21	119	893944	99.766	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	1079397	100.054	ug/l	100
85) sec-Butylbenzene	13.38	105	1275571	98.657	ug/l	100
86) p-Isopropyltoluene	13.50	119	1161624	100.169	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	541677	99.198	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	536982	97.657	ug/l	99
89) n-Butylbenzene	13.82	91	1152632	99.636	ug/l	99
90) Hexachloroethane	14.09	117	212478	100.267	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	488242	98.557	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	47332	102.934	ug/l	98

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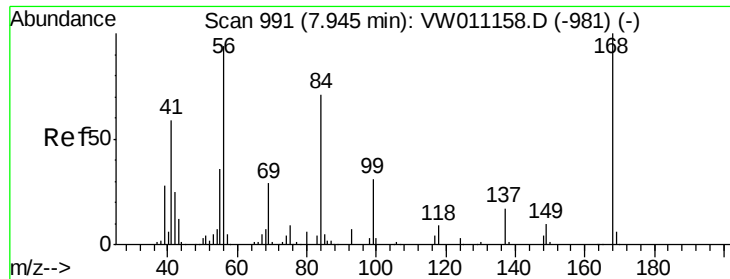
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	348561	102.154	ug/l	98
94) Hexachlorobutadiene	15.24	225	203659	97.220	ug/l	99
95) Naphthalene	15.37	128	713980	109.195	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	309156	102.663	ug/l	100

(#) = 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: VW011159.D

Acq: 08 Jul 2019 12:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 239654

Ion Ratio Lower Upper

168 100

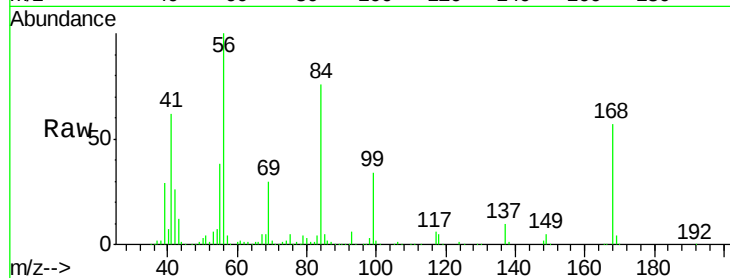
99 60.6 50.1 75.1

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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

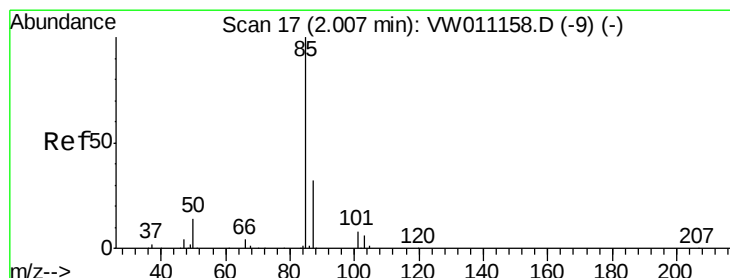
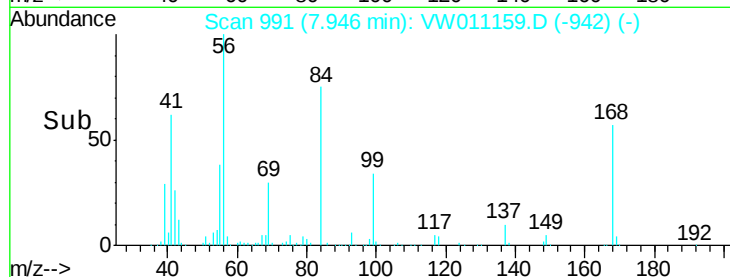
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 92.395 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW011159.D

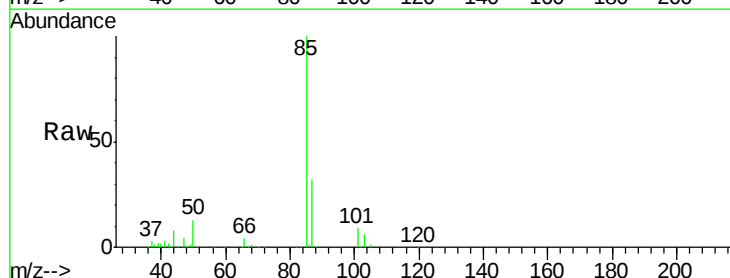
Acq: 08 Jul 2019 12:28

Tgt Ion: 85 Resp: 165143

Ion Ratio Lower Upper

85 100

87 31.9 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

60000

50000

40000

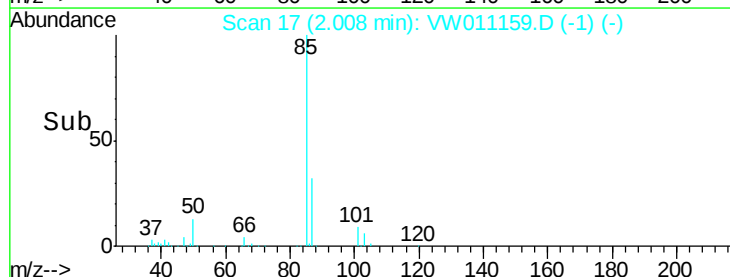
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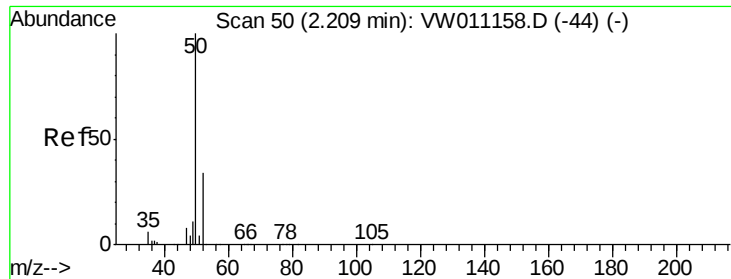
20000

10000

0

Time--> 2.00 2.20





#3

Chloromethane

Concen: 93.347 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW011159.D

Acq: 08 Jul 2019 12:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 214988

Ion Ratio Lower Upper

50 100

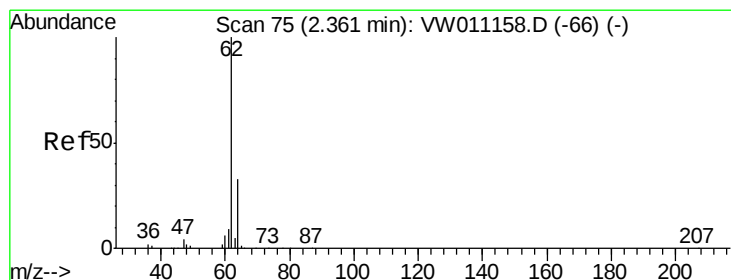
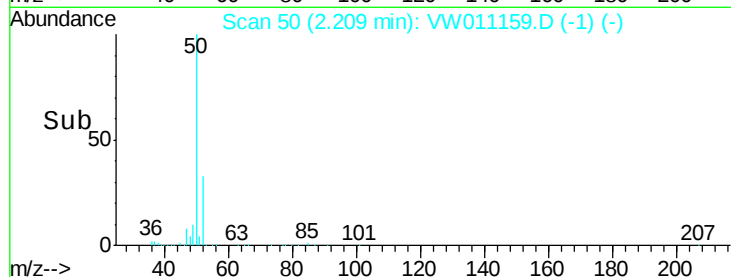
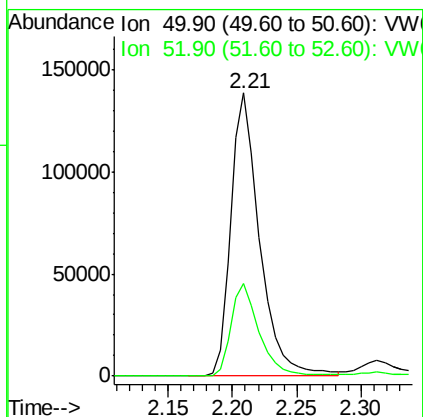
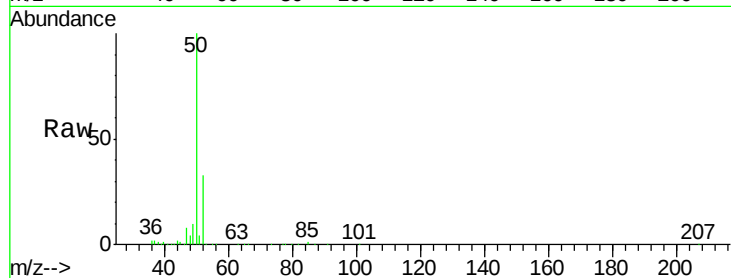
52 32.9 26.9 40.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 93.249 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011159.D

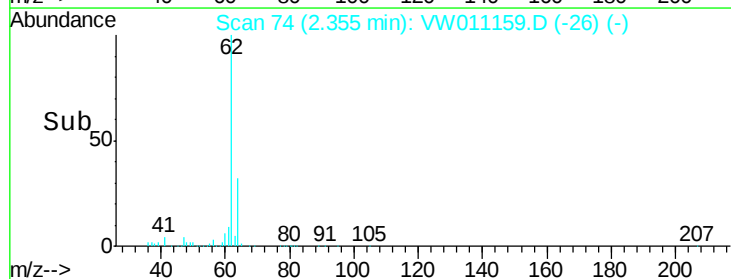
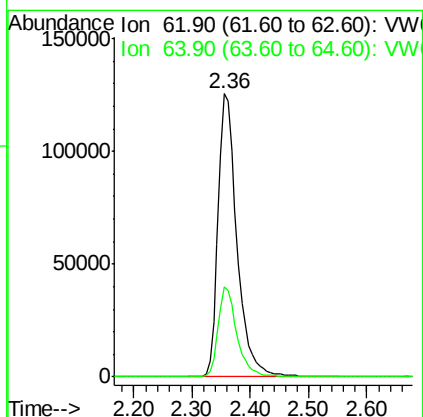
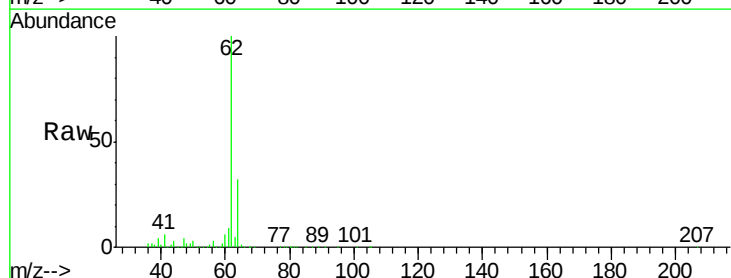
Acq: 08 Jul 2019 12:28

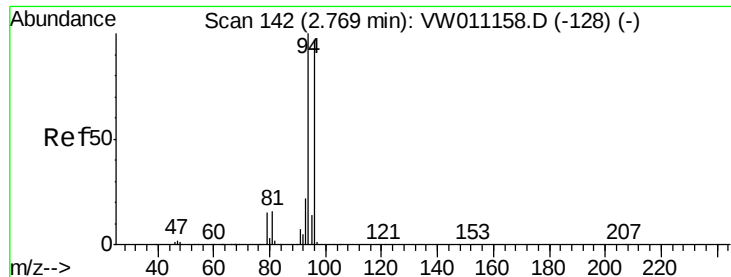
Tgt Ion: 62 Resp: 281094

Ion Ratio Lower Upper

62 100

64 31.8 26.6 40.0





#5

Bromomethane

Concen: 93.748 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW011159.D

Acq: 08 Jul 2019 12:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 142003

Ion Ratio Lower Upper

94 100

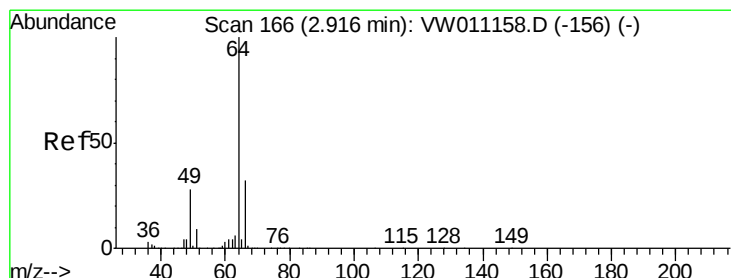
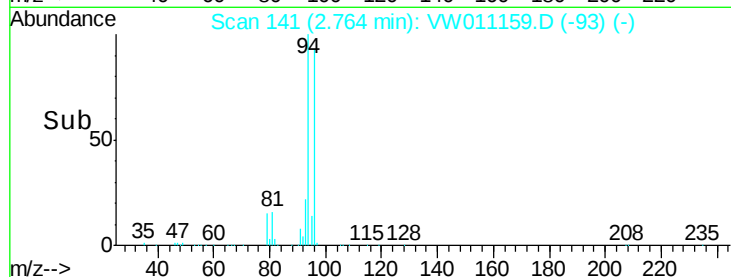
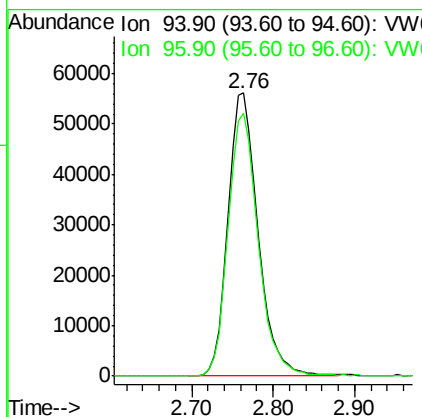
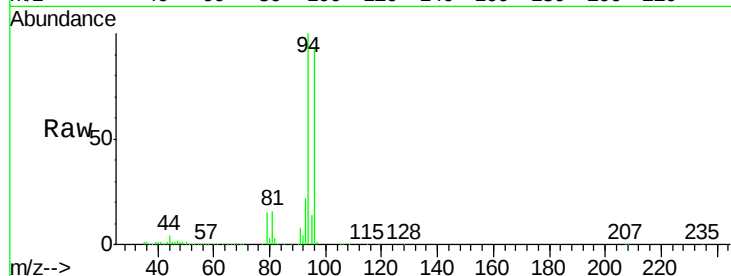
96 92.6 77.4 116.0

Manual Integrations

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#6

Chloroethane

Concen: 97.465 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW011159.D

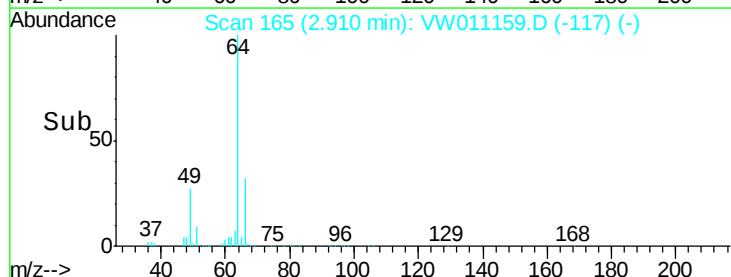
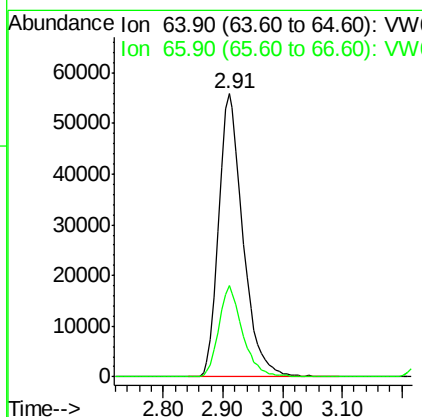
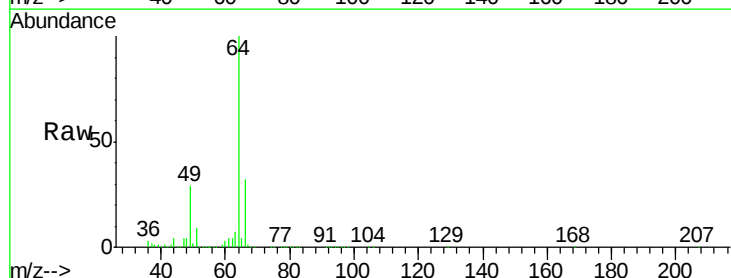
Acq: 08 Jul 2019 12:28

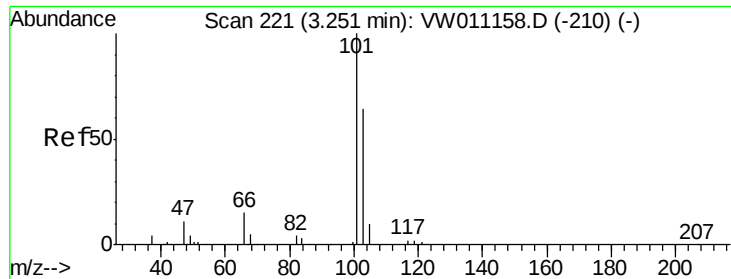
Tgt Ion: 64 Resp: 158249

Ion Ratio Lower Upper

64 100

66 32.2 25.8 38.8





#7

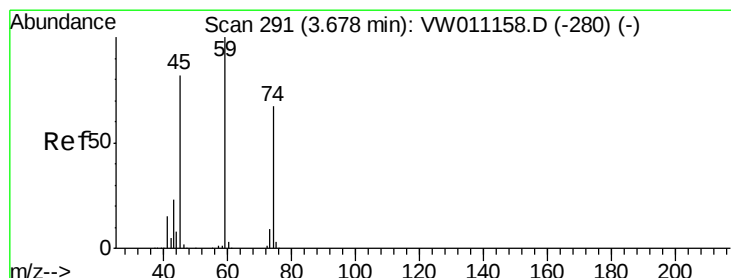
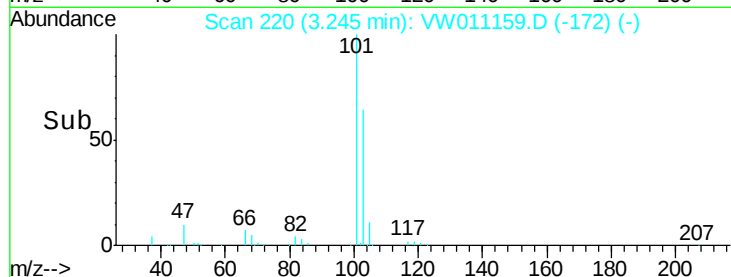
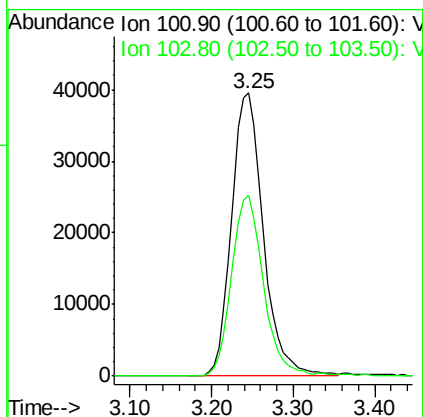
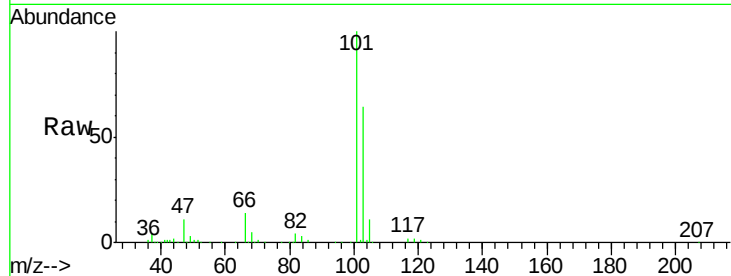
Trichlorofluoromethane
Concen: 99.363 ug/l
RT: 3.25 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW011159.D
Acq: 08 Jul 2019 12:28

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VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
101	100	106406		
103	64.1	51.3	76.9	

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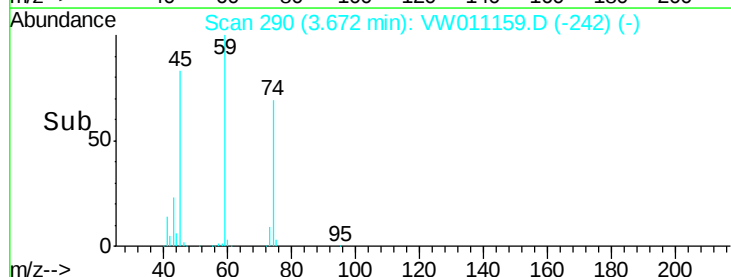
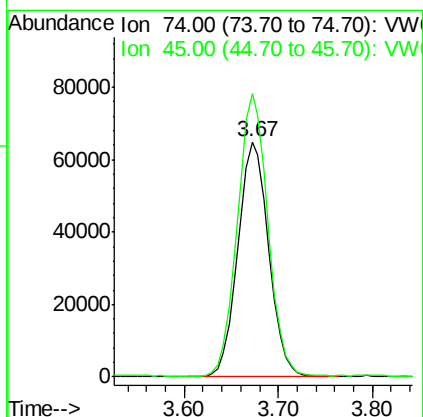
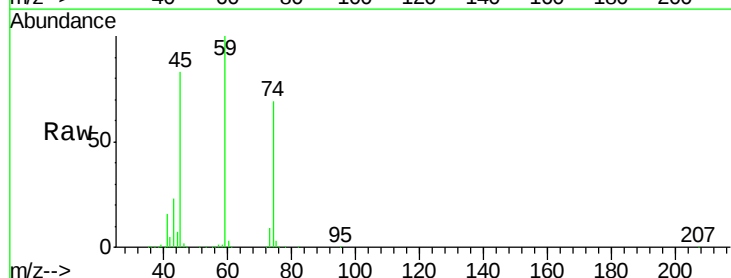
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#8

Diethyl Ether
Concen: 100.441 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW011159.D
Acq: 08 Jul 2019 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	148826		
45	118.7	59.9	179.7	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 95.267 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW011159.D

Acq: 08 Jul 2019 12:28

Instrument :

MSVOA_W

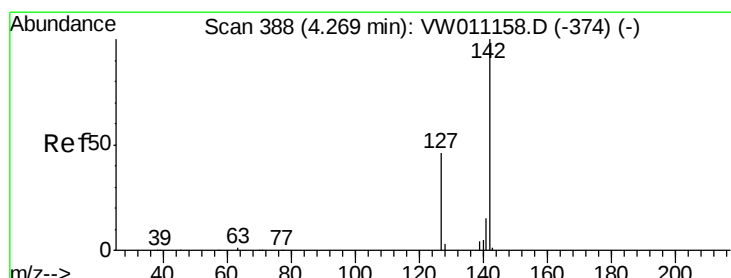
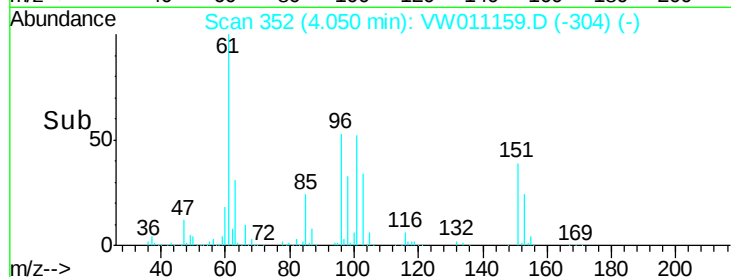
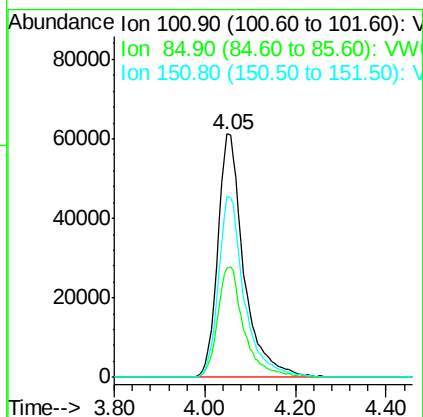
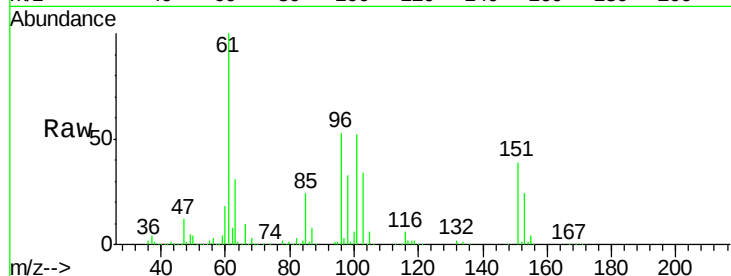
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	244368
Ion Ratio	Lower	Upper	
101	100		
85	45.6	36.5	54.7
151	73.9	59.1	88.7

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#10

Methyl Iodide

Concen: 99.561 ug/l

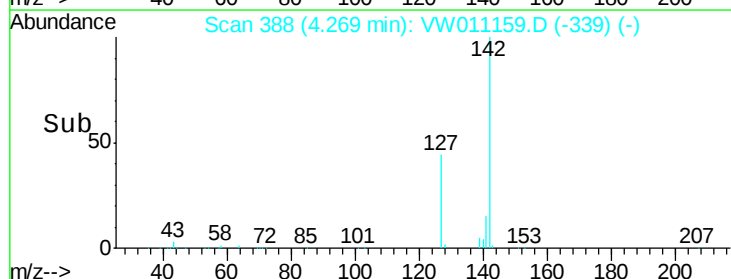
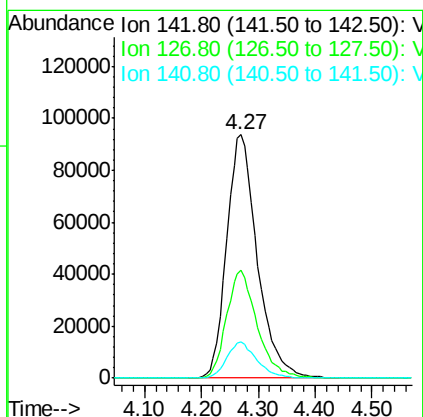
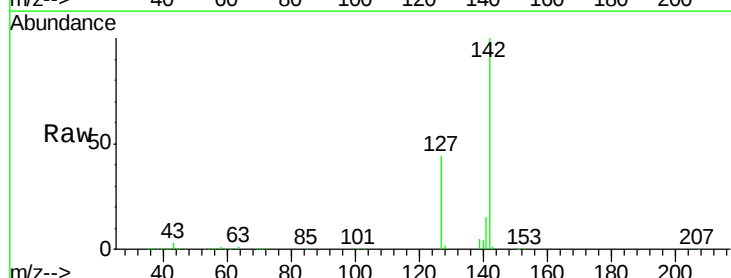
RT: 4.27 min Scan# 388

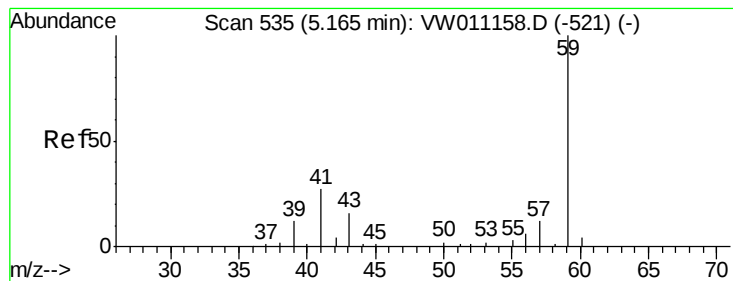
Delta R.T. 0.00 min

Lab File: VW011159.D

Acq: 08 Jul 2019 12:28

Tgt Ion:	142	Resp:	351245
Ion Ratio	Lower	Upper	
142	100		
127	44.2	35.7	53.5
141	14.7	11.5	17.3





#11

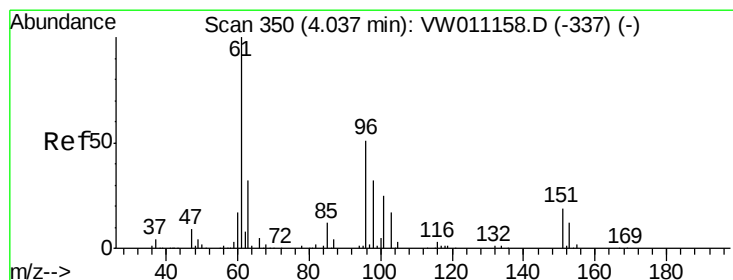
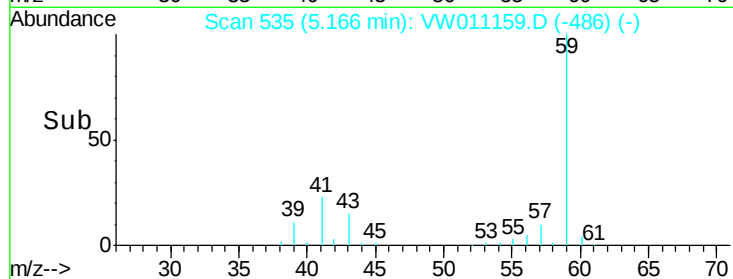
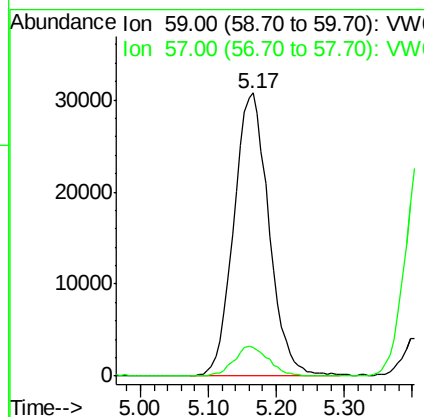
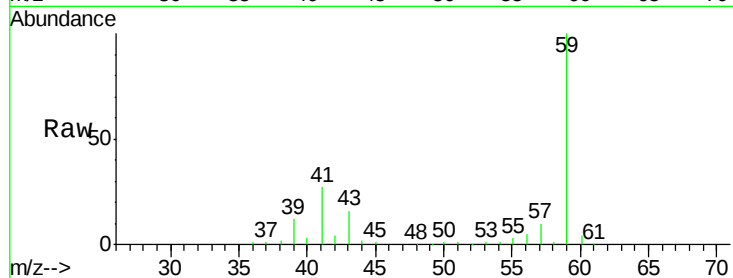
Tert butyl alcohol
Concen: 494.667 ug/l
RT: 5.17 min Scan# 535
Delta R.T. 0.00 min
Lab File: VW011159.D
Acq: 08 Jul 2019 12:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	59.00	Resp	110286
Ion Ratio	59	100	
Lower	57	10.4	9.0
Upper			13.6

Manual Integrations
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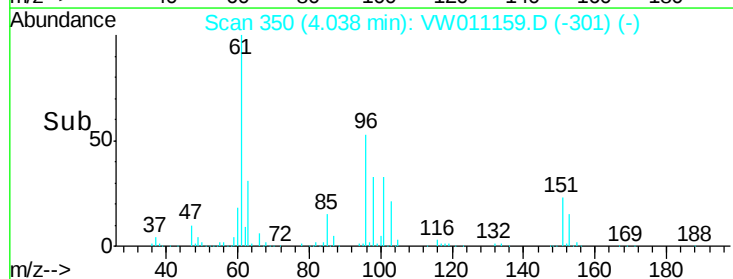
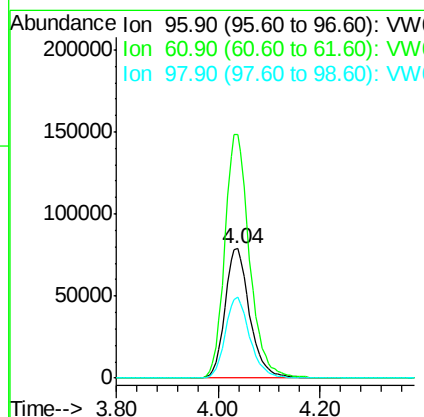
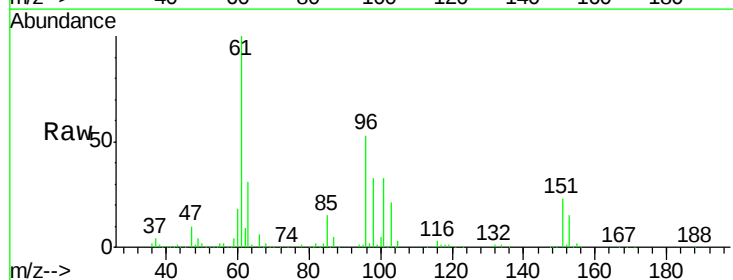
MMDadoda
7/9/2019 4:12:57 PM

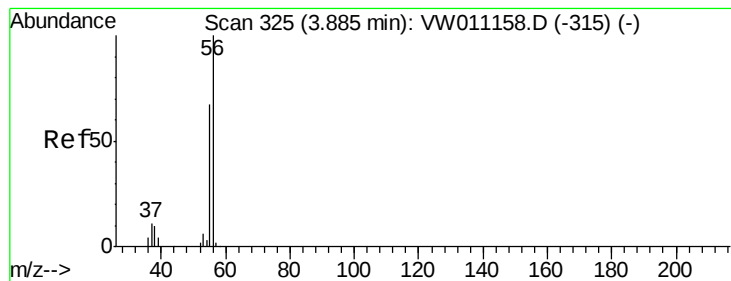


#12

1,1-Dichloroethene
Concen: 99.375 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW011159.D
Acq: 08 Jul 2019 12:28

Tgt Ion	96	Resp	264569
Ion Ratio	96	100	
Lower	61	187.8	157.7
Upper			236.5
	98	62.2	50.9
			76.3





#13

Acrolein

Concen: 528.149 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW011159.D

Acq: 08 Jul 2019 12:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tot Ion: 56 Resp: 93764

Ion Ratio Lower Upper

56 100

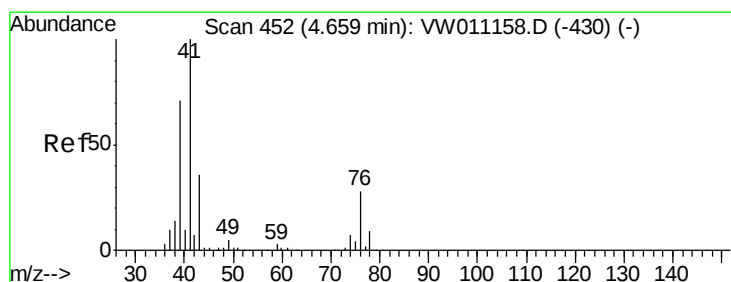
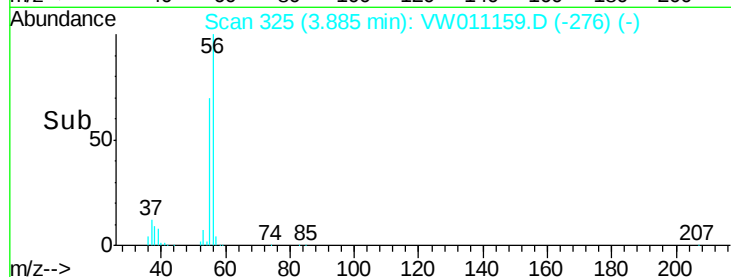
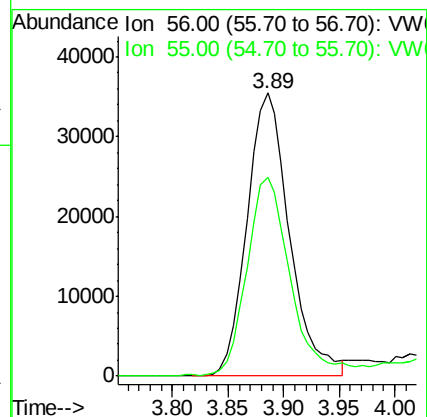
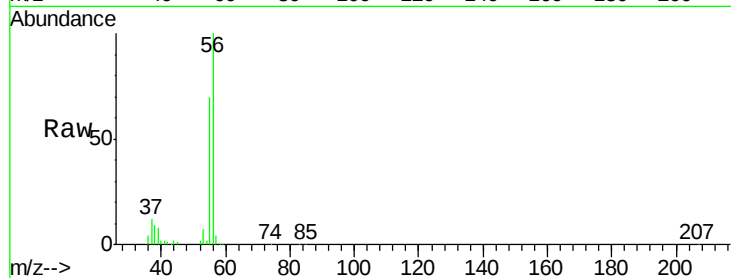
55 72.9 56.4 84.6

Manual Integrations

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#14

Allyl chloride

Concen: 96.517 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW011159.D

Acq: 08 Jul 2019 12:28

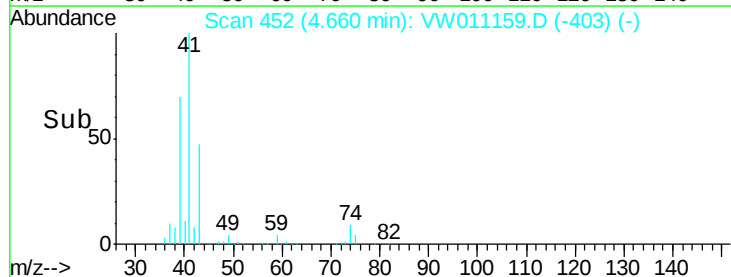
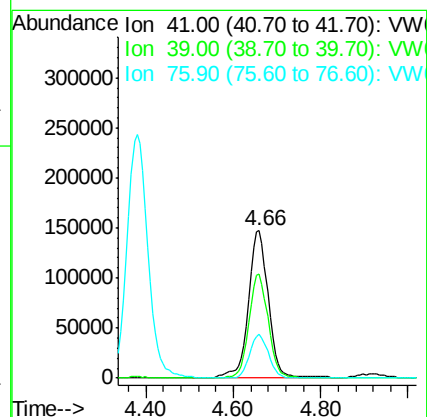
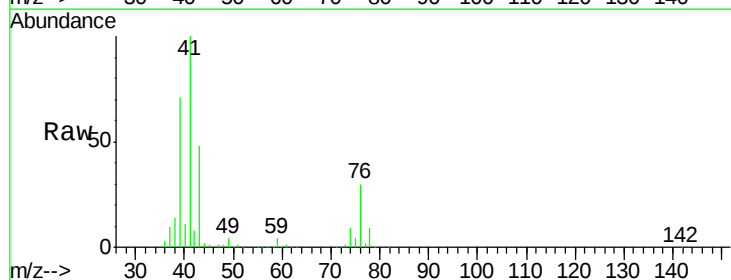
Tgt Ion: 41 Resp: 468573

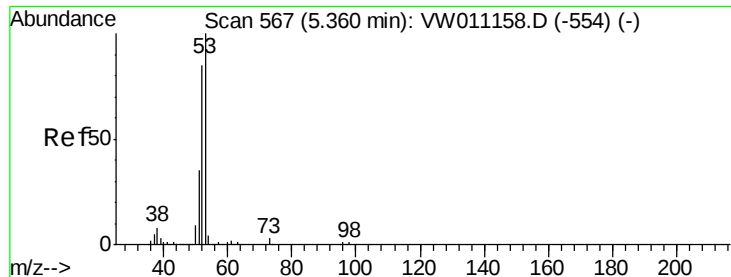
Ion Ratio Lower Upper

41 100

39 67.5 55.1 82.7

76 27.9 22.5 33.7





#15

Acrylonitrile

Concen: 505.005 ug/l

RT: 5.35 min Scan# 566

Delta R.T. -0.01 min

Lab File: VW011159.D

Acq: 08 Jul 2019 12:28

Instrument :

MSVOA_W

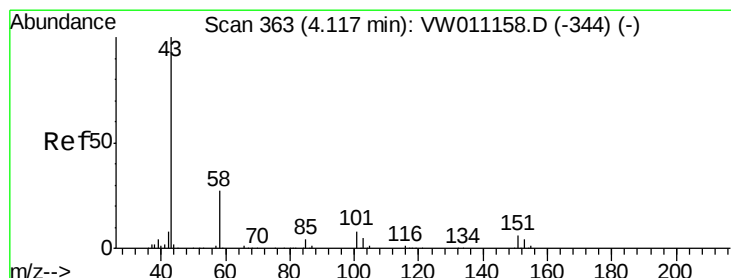
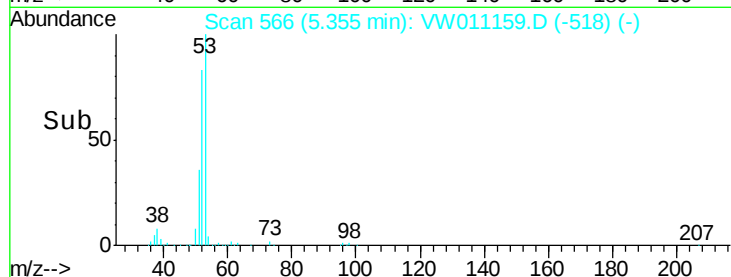
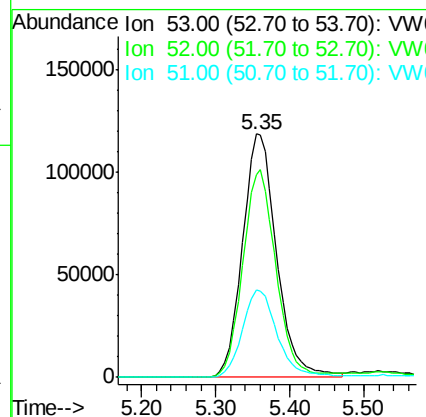
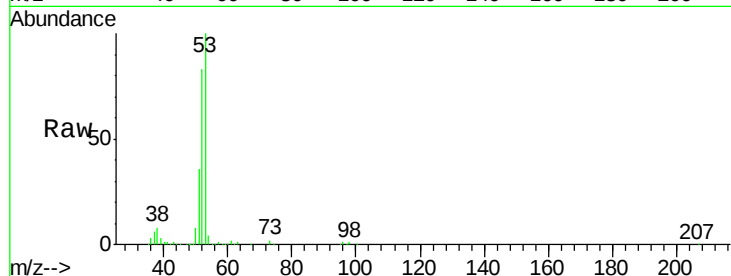
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	381090
Ion Ratio	Lower	Upper	
53	100		
52	83.0	66.2	99.4
51	37.2	29.1	43.7

Manual Integrations
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#16

Acetone

Concen: 484.492 ug/l

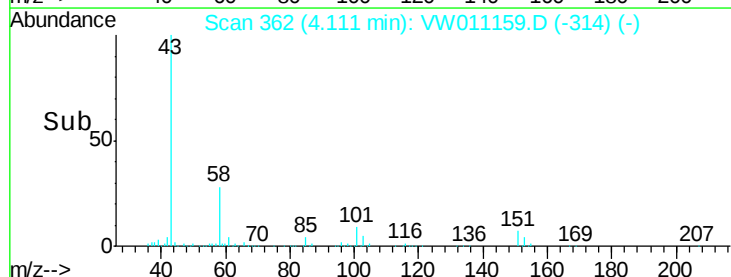
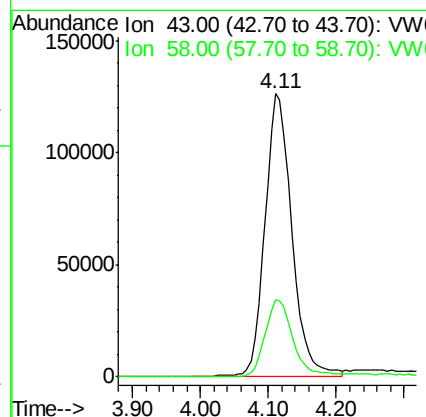
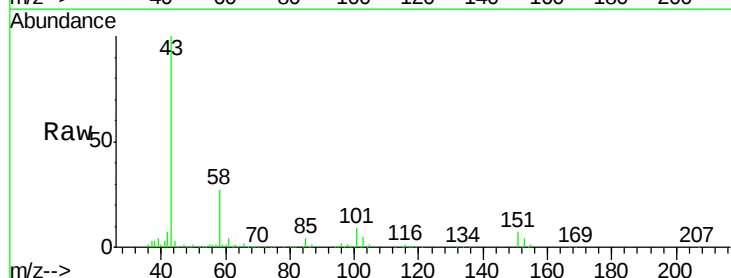
RT: 4.11 min Scan# 362

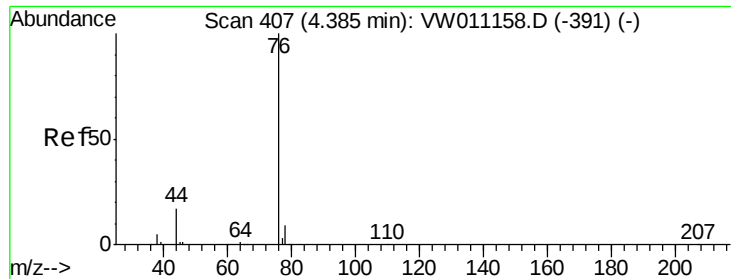
Delta R.T. -0.01 min

Lab File: VW011159.D

Acq: 08 Jul 2019 12:28

Tgt Ion:	43	Resp:	351045
Ion Ratio	Lower	Upper	
43	100		
58	27.3	21.8	32.6





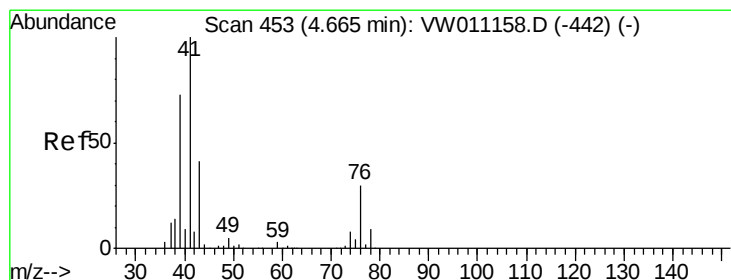
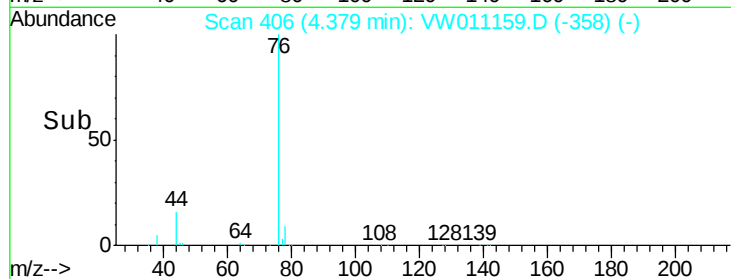
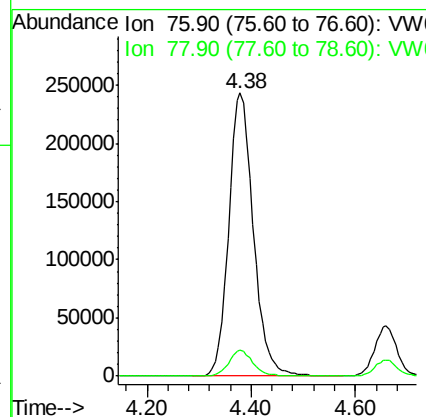
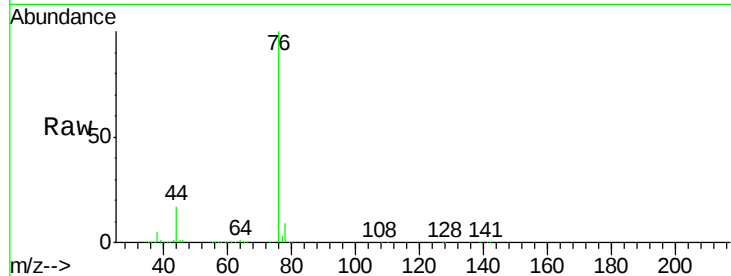
#17
Carbon Disulfide
Concen: 99.408 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW011159.D
Acq: 08 Jul 2019 12:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.1	10.7

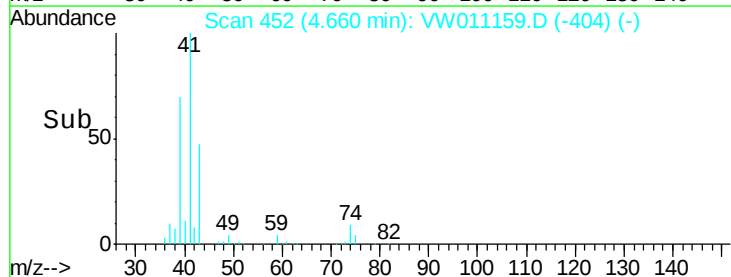
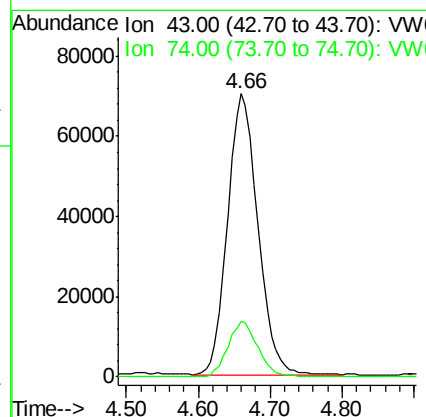
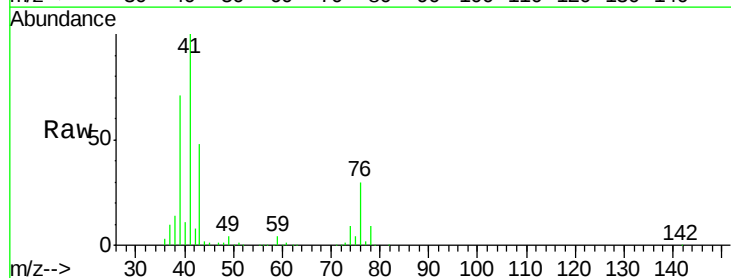
Manual Integrations
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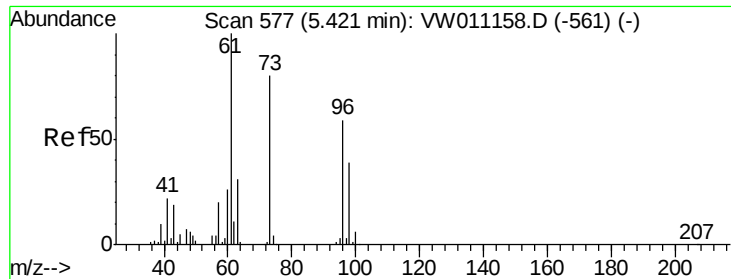
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#18
Methyl Acetate
Concen: 90.274 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW011159.D
Acq: 08 Jul 2019 12:28

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.5	15.7	23.5





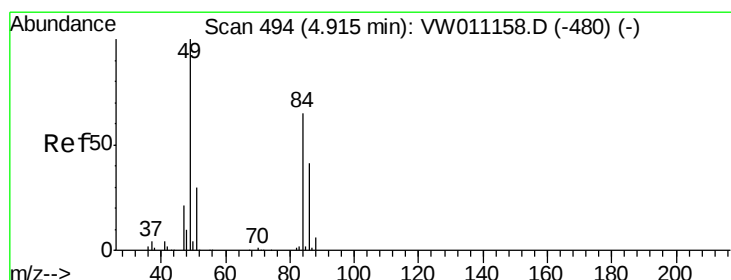
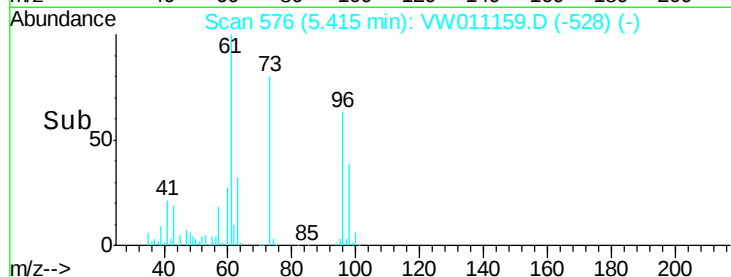
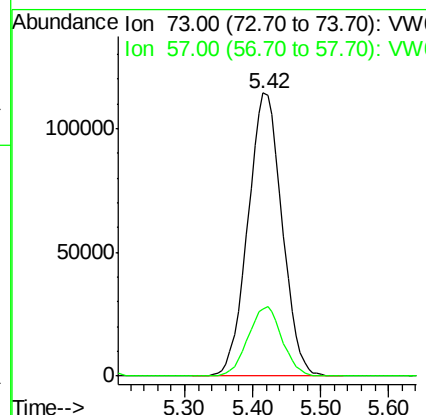
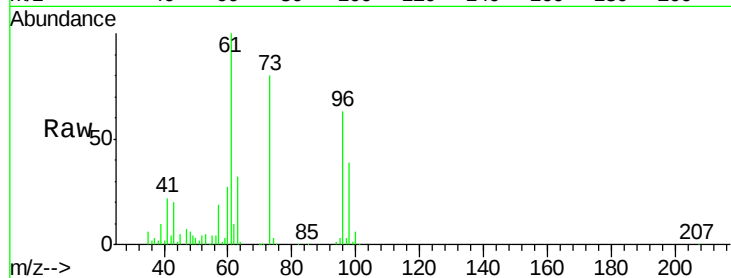
#19
Methvl tert-butvl Ether
Concen: 98.798 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW011159.D
Acq: 08 Jul 2019 12:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.5	19.7	29.5

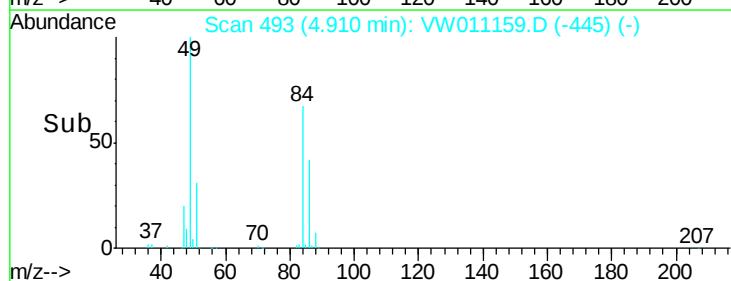
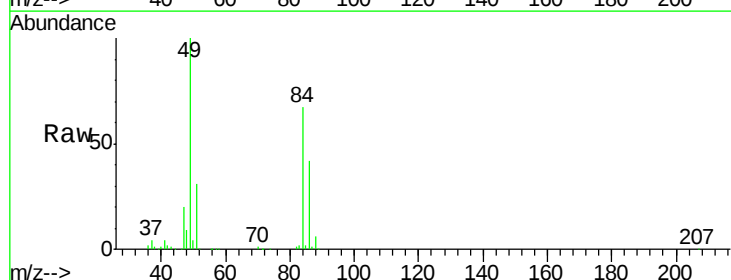
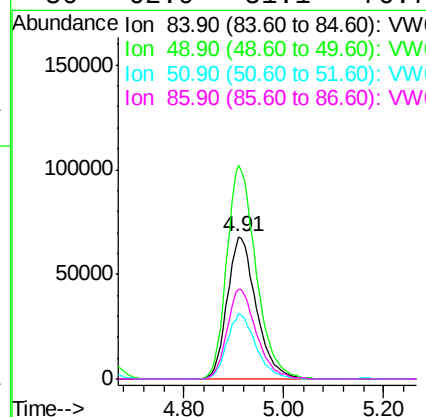
Manual Integrations
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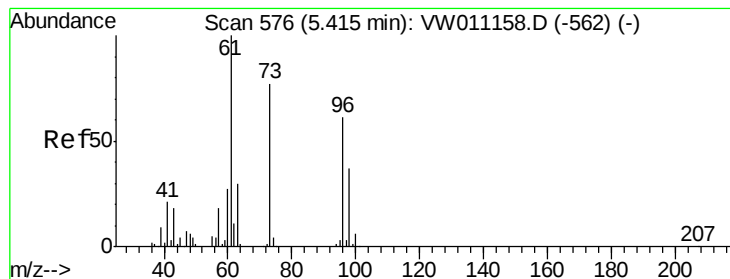
MMDadoda
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#20
Methylene Chloride
Concen: 96.197 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011159.D
Acq: 08 Jul 2019 12:28

Tgt Ion	Ratio	Lower	Upper
84	100		
49	149.8	123.8	185.6
51	46.1	37.4	56.2
86	62.9	51.1	76.7





#21

trans-1,2-Dichloroethene

Concen: 99.981 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW011159.D

Acq: 08 Jul 2019 12:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 276586

Ion Ratio Lower Upper

96 100

61 159.9 132.2 198.2

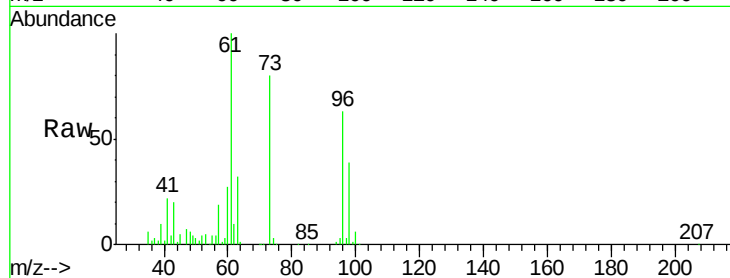
98 62.4 49.4 74.0

Manual Integrations

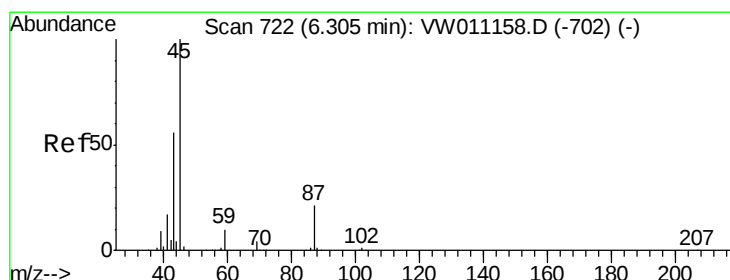
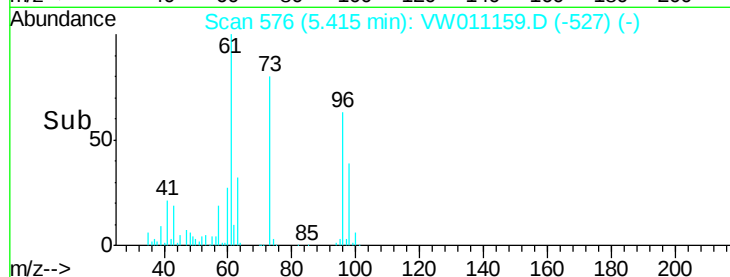
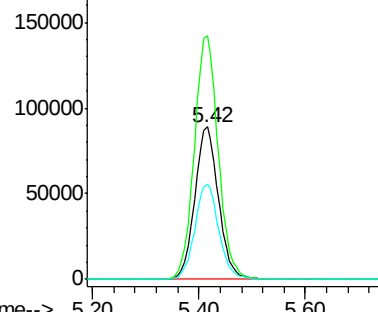
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Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 99.651 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW011159.D

Acq: 08 Jul 2019 12:28

Tgt Ion: 45 Resp: 1040547

Ion Ratio Lower Upper

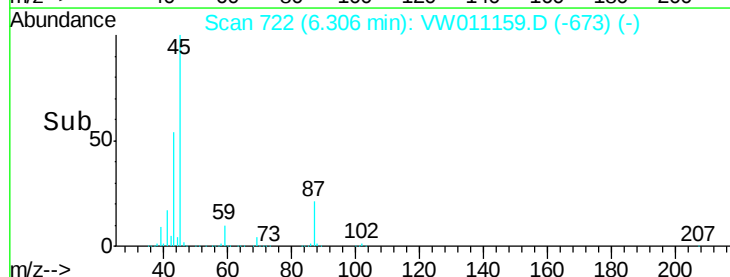
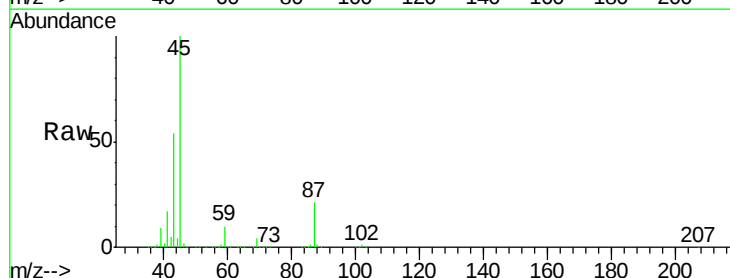
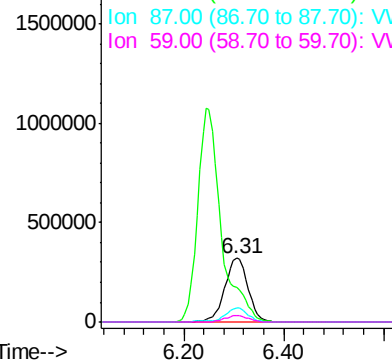
45 100

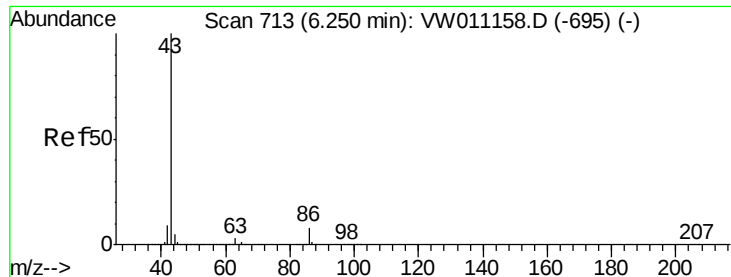
43 53.7 44.6 66.8

87 21.4 17.3 25.9

59 10.0 8.2 12.2

Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





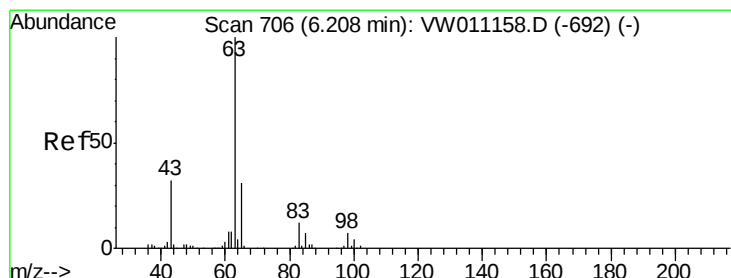
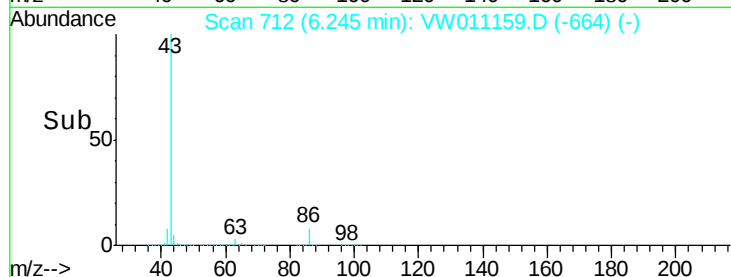
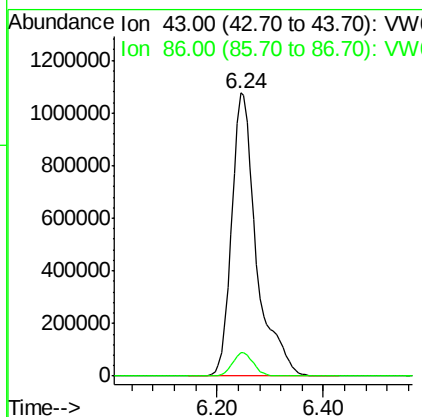
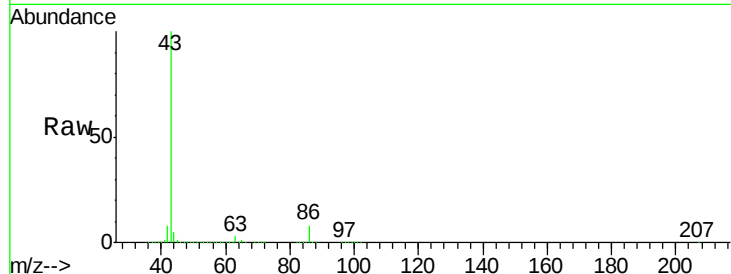
#23
 Vinyl Acetate
 Concen: 541.600 ug/l
 RT: 6.24 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VW011159.D
 Acq: 08 Jul 2019 12:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion: 43 Resp: 3499914
 Ion Ratio Lower Upper
 43 100
 86 8.1 6.5 9.7

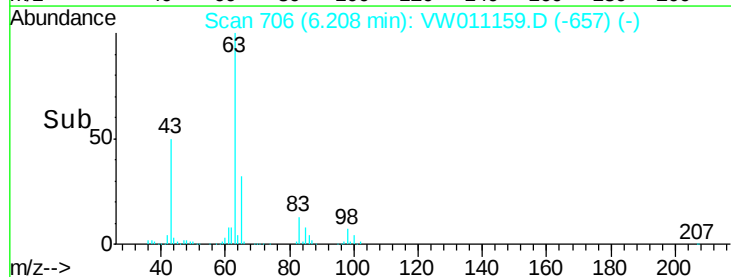
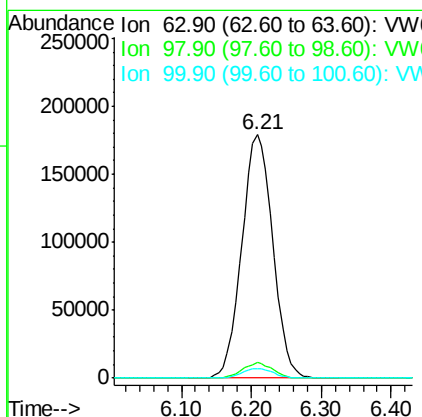
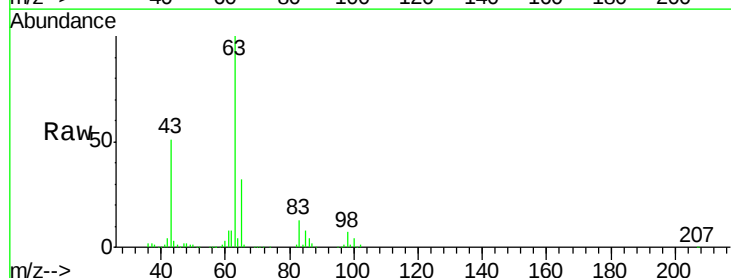
Manual Integrations
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#24
 1,1-Dichloroethane
 Concen: 100.252 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: VW011159.D
 Acq: 08 Jul 2019 12:28

Tgt Ion: 63 Resp: 549701
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.3 9.9
 100 4.0 2.1 6.2





#25

2-Butanone

Concen: 521.983 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW011159.D

Acq: 08 Jul 2019 12:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 593689

Ion Ratio Lower Upper

43 100

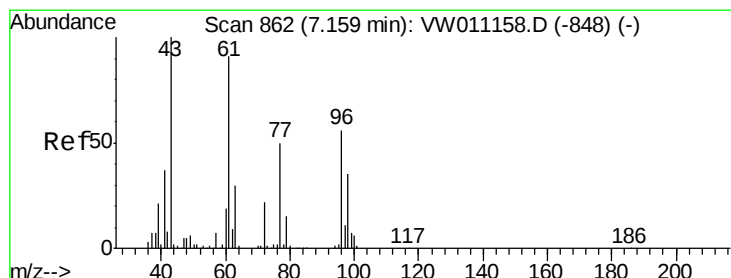
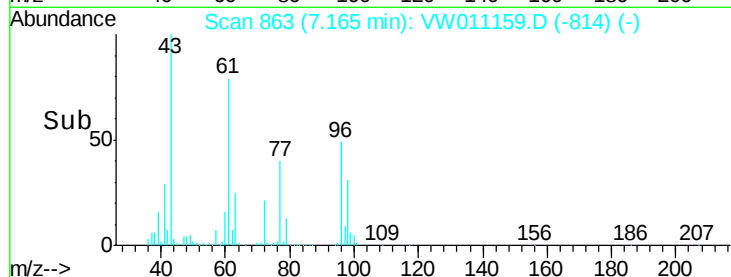
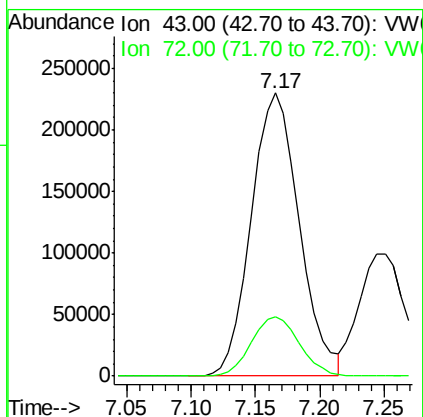
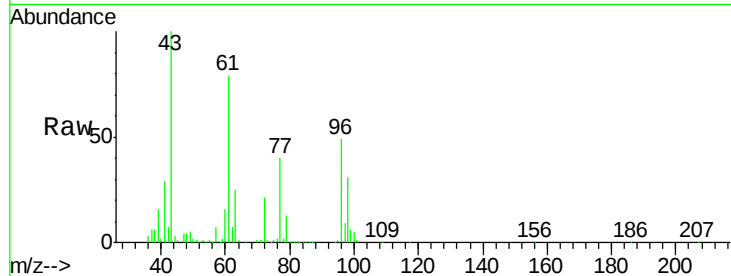
72 21.1 17.6 26.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 96.179 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW011159.D

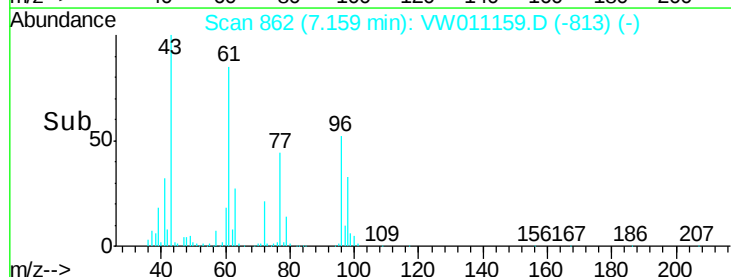
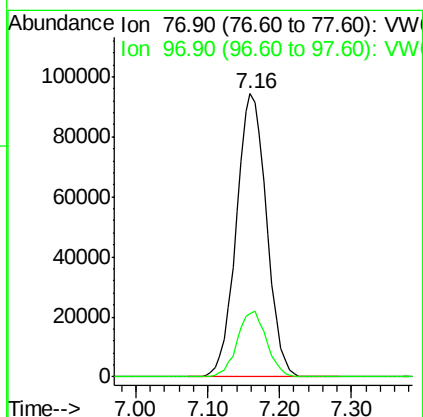
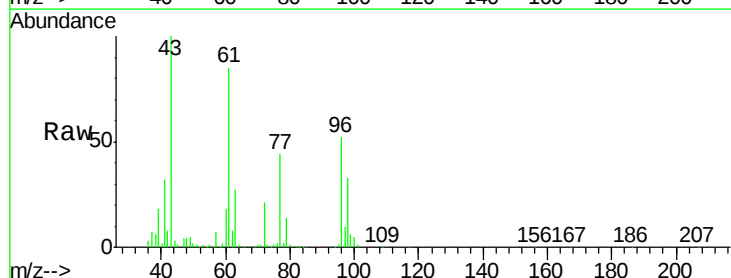
Acq: 08 Jul 2019 12:28

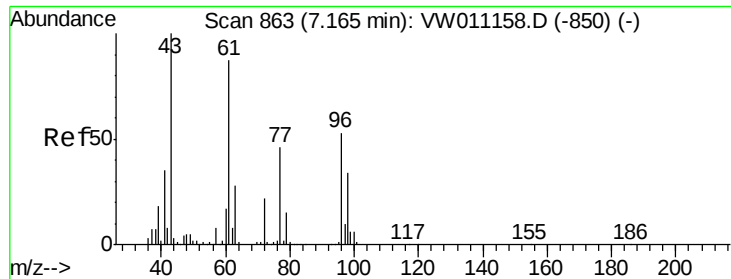
Tgt Ion: 77 Resp: 274131

Ion Ratio Lower Upper

77 100

97 22.6 11.2 33.5





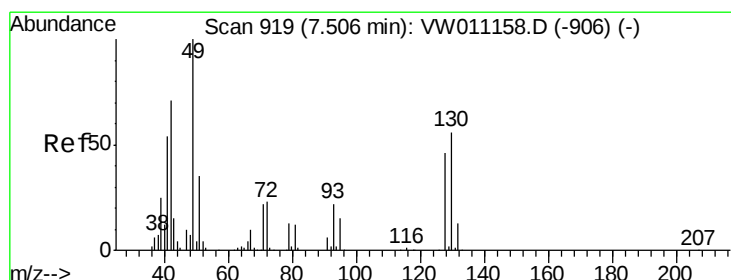
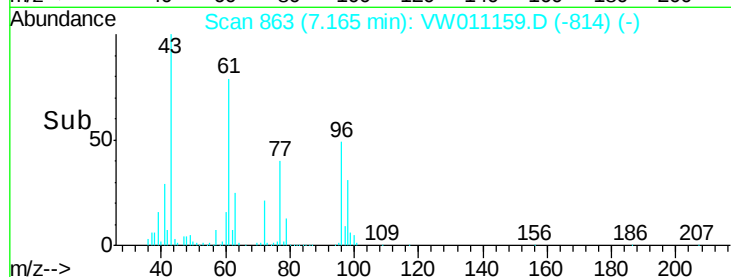
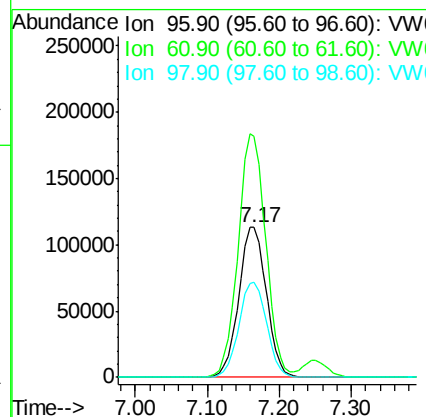
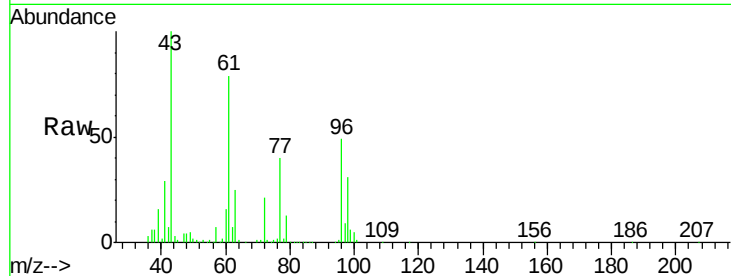
#27
 cis-1,2-Dichloroethene
 Concen: 100.876 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW011159.D
 Acq: 08 Jul 2019 12:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	162.5	0.0	325.6	
98	63.9	0.0	128.2	

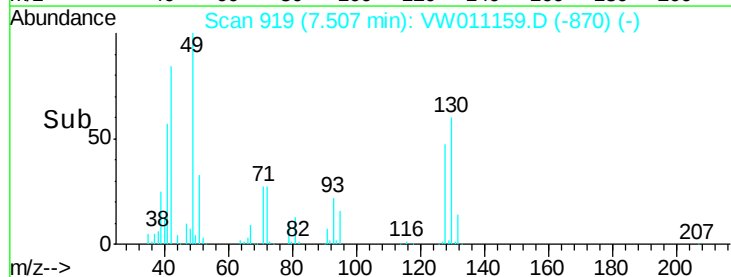
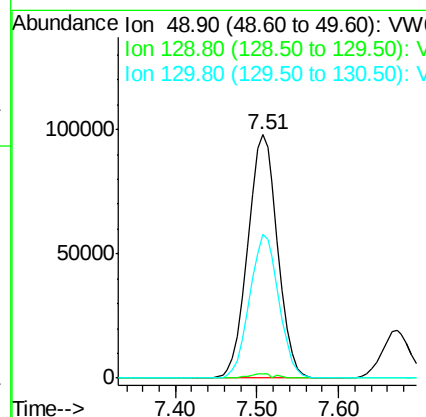
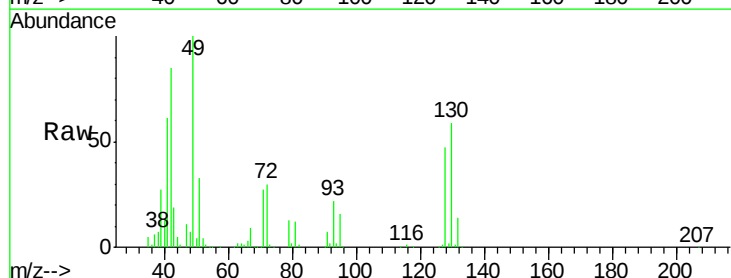
Manual Integrations
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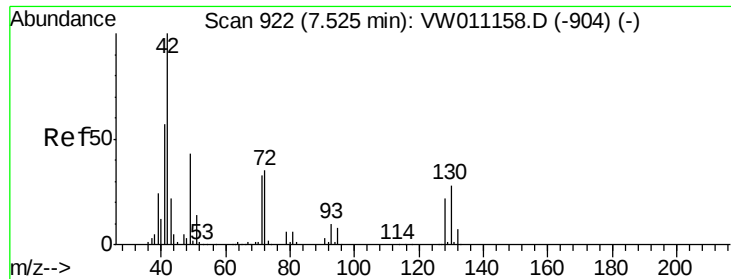
MMDadoda
 7/9/2019 4:12:57 PM



#28
 Bromochloromethane
 Concen: 99.670 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW011159.D
 Acq: 08 Jul 2019 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.2	0.0	1.4	
130	58.1	45.8	68.8	





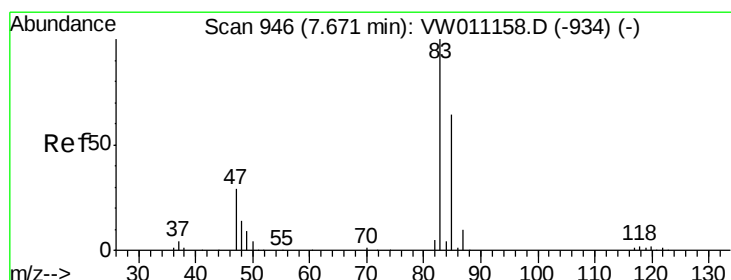
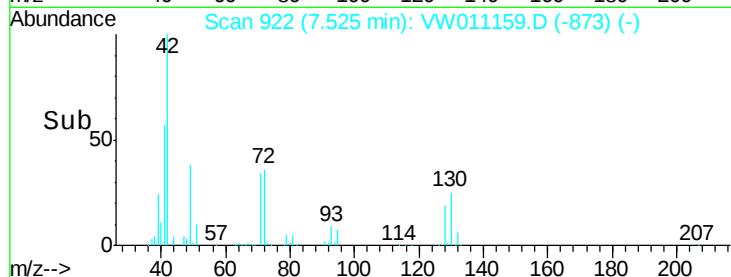
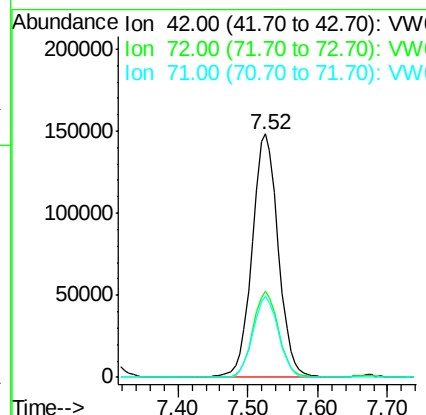
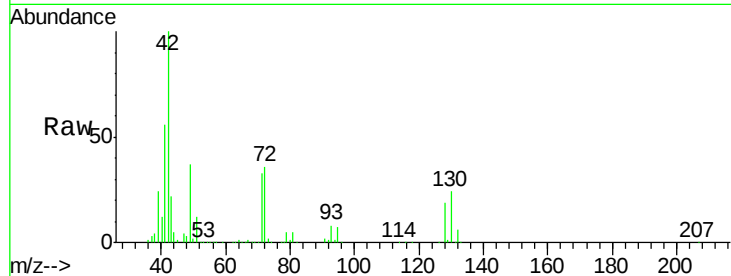
#29
Tetrahydrofuran
Concen: 514.101 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW011159.D
Acq: 08 Jul 2019 12:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.9	27.4	41.2
71	32.8	25.9	38.9

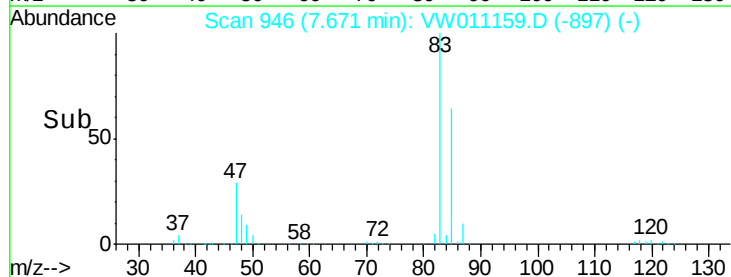
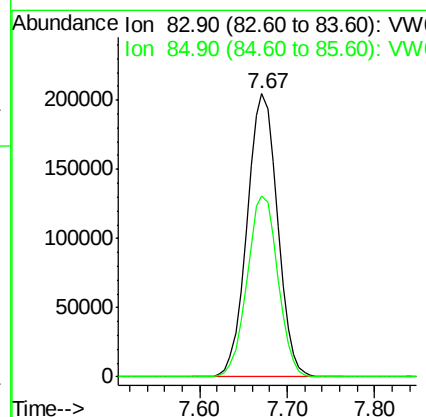
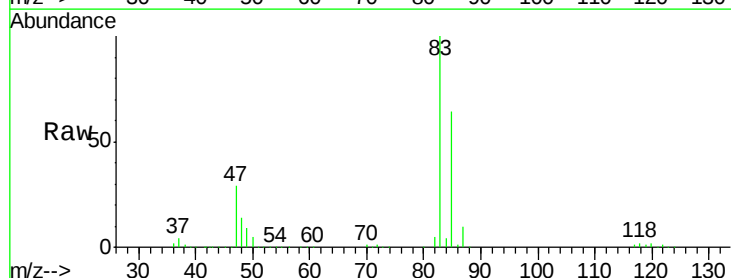
Manual Integrations
APPROVED

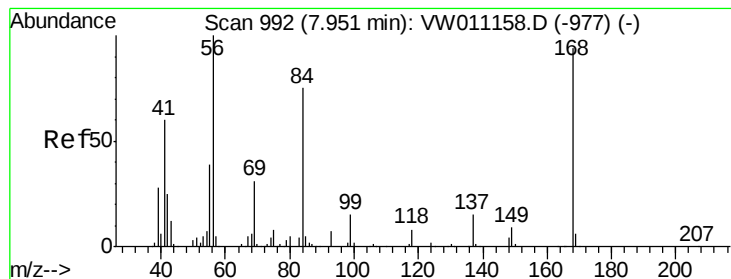
MMDadoda
7/9/2019 4:12:57 PM



#30
Chloroform
Concen: 97.451 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW011159.D
Acq: 08 Jul 2019 12:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.4	77.2





#31

Cvclohexane

Concen: 92.921 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW011159.D

Acq: 08 Jul 2019 12:28

Instrument :

MSVOA_W

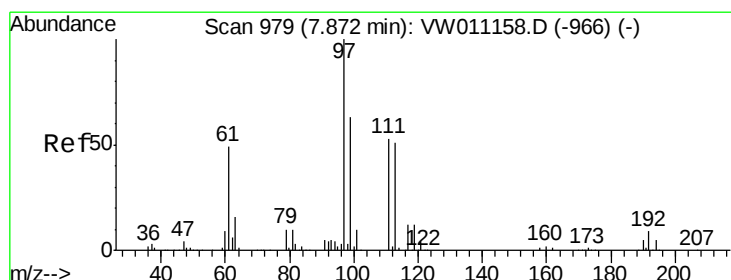
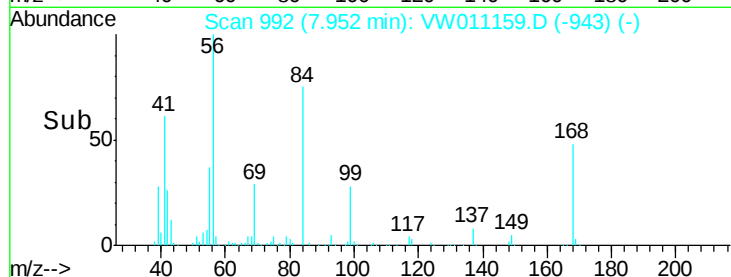
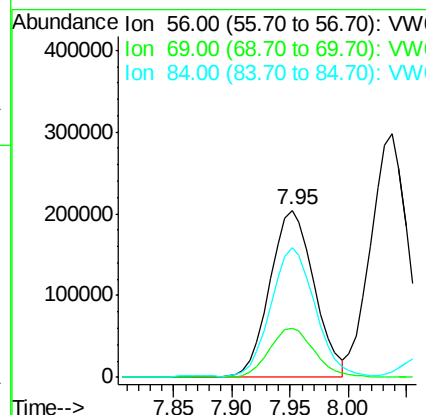
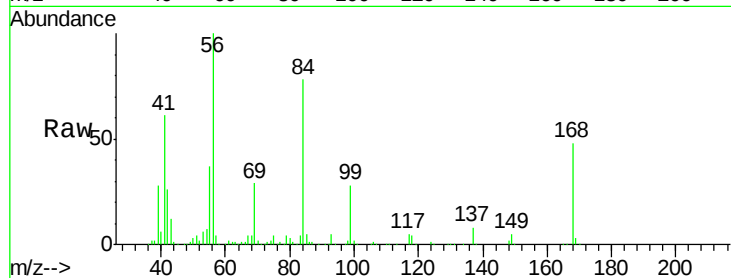
ClientSampleId :

VSTDIC100

Tot Ion:	56	Resp:	542036
Ion Ratio	Lower	Upper	
56	100		
69	29.2	24.6	36.8
84	76.3	60.1	90.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 97.965 ug/l

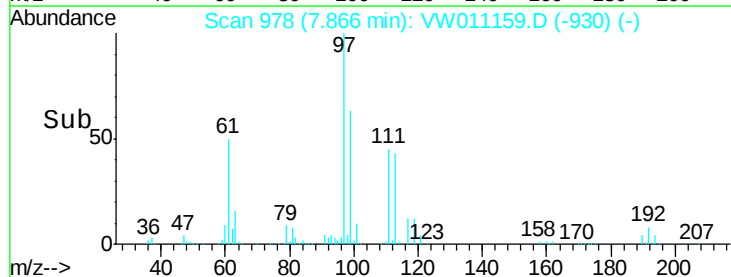
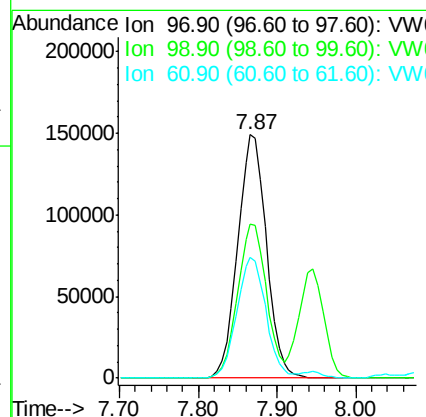
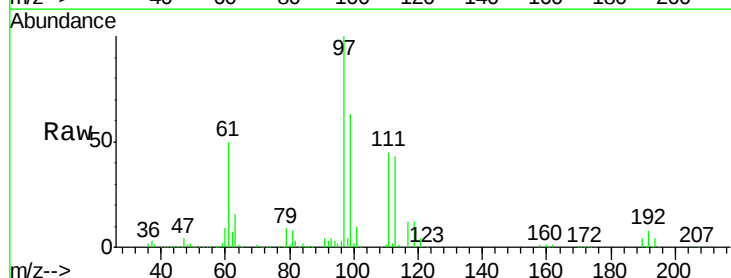
RT: 7.87 min Scan# 978

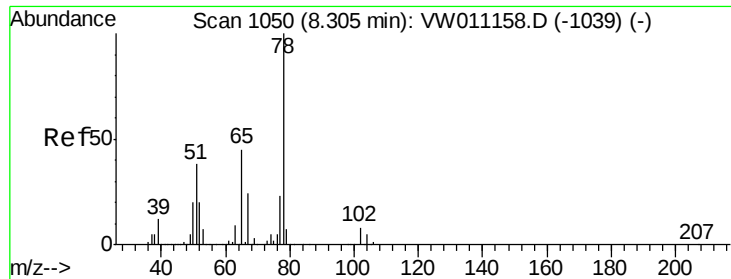
Delta R.T. -0.01 min

Lab File: VW011159.D

Acq: 08 Jul 2019 12:28

Tgt Ion:	97	Resp:	378416
Ion Ratio	Lower	Upper	
97	100		
99	63.9	51.0	76.4
61	50.1	40.4	60.6





#33

1,2-Dichloroethane-d4

Concen: 98.040 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW011159.D

Acq: 08 Jul 2019 12:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 65 Resp: 295231

Ion Ratio Lower Upper

65 100

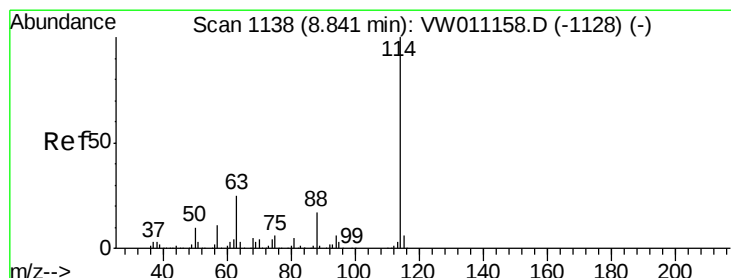
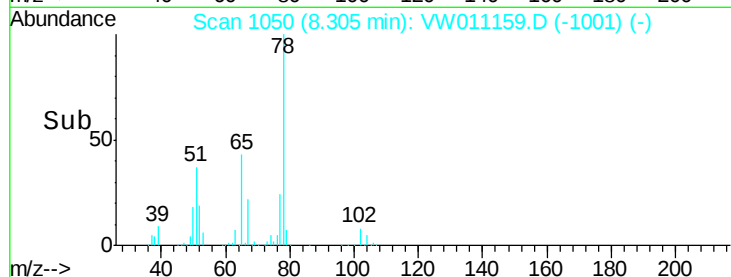
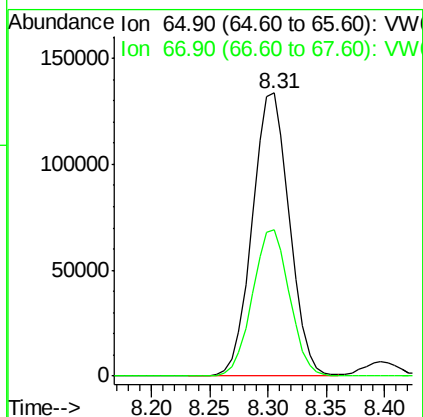
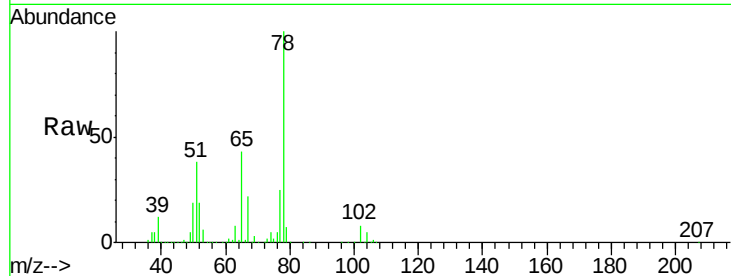
67 51.7 0.0 104.4

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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: VW011159.D

Acq: 08 Jul 2019 12:28

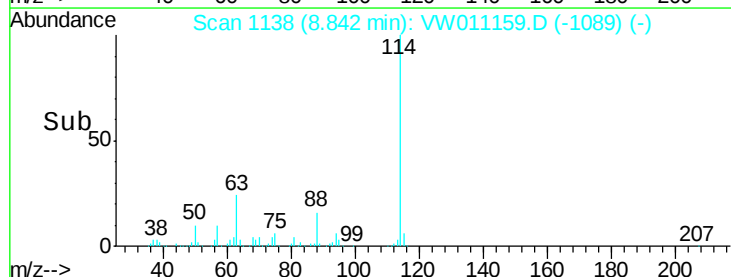
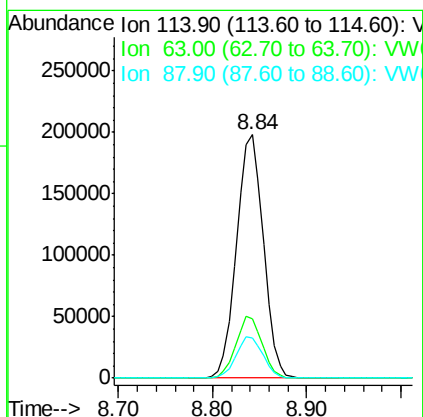
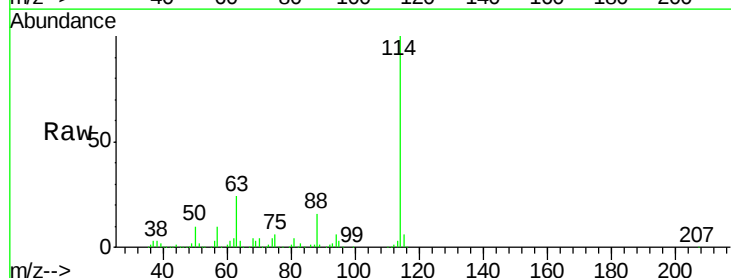
Tgt Ion: 114 Resp: 393665

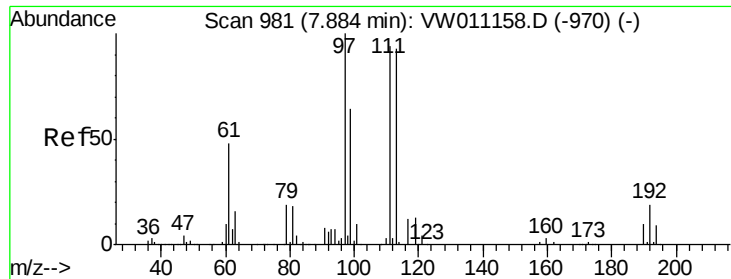
Ion Ratio Lower Upper

114 100

63 24.1 0.0 50.8

88 16.4 0.0 34.2





#35

Dibromofluoromethane

Concen: 99.143 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW011159.D

Acq: 08 Jul 2019 12:28

Instrument :

MSVOA_W

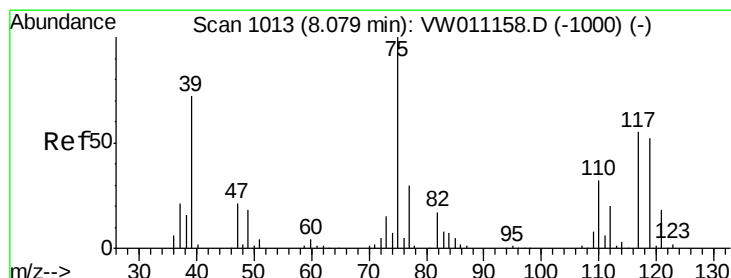
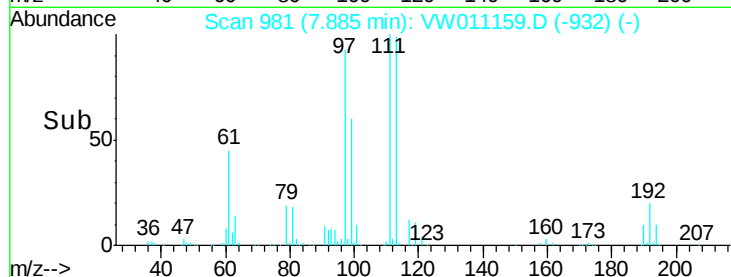
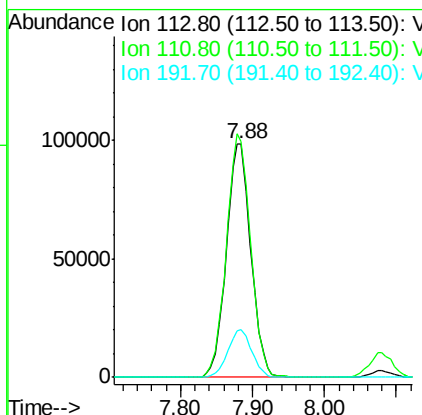
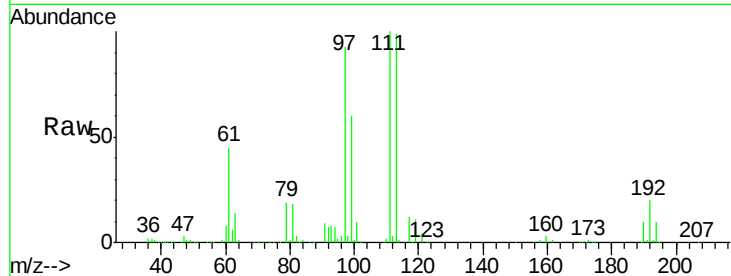
ClientSampled :

VSTDIC100

Tot Ion:	113	Resp:	232632
Ion Ratio	Lower	Upper	
113	100		
111	103.0	82.4	123.6
192	20.1	15.8	23.8

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#36

1,1-Dichloropropene

Concen: 98.659 ug/l

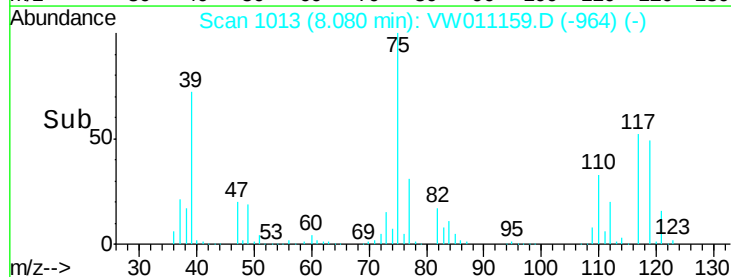
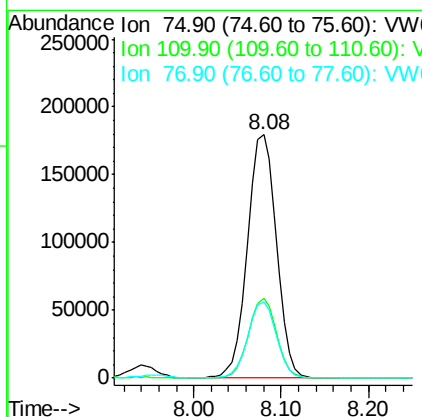
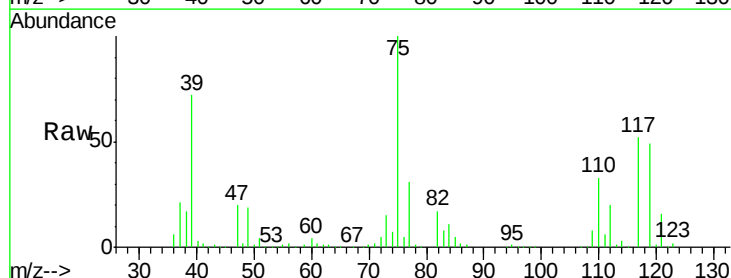
RT: 8.08 min Scan# 1013

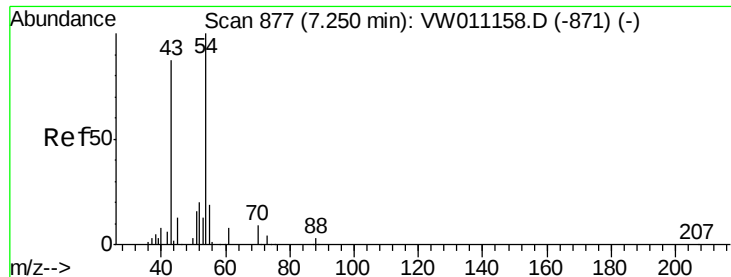
Delta R.T. 0.00 min

Lab File: VW011159.D

Acq: 08 Jul 2019 12:28

Tgt Ion:	75	Resp:	413592
Ion Ratio	Lower	Upper	
75	100		
110	31.7	15.9	47.6
77	30.9	24.6	36.8





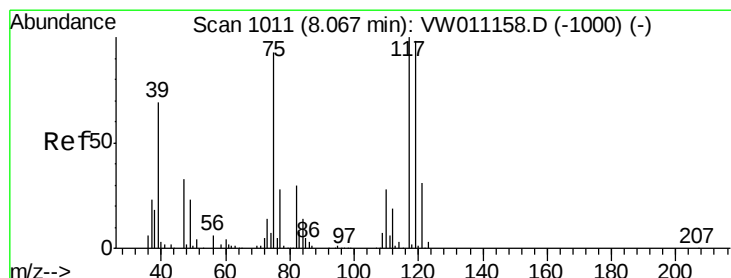
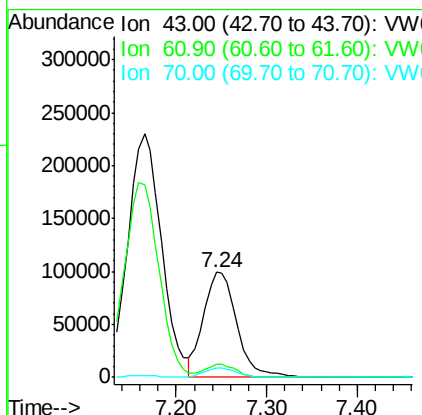
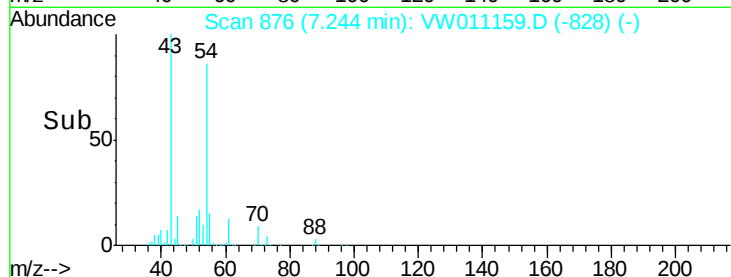
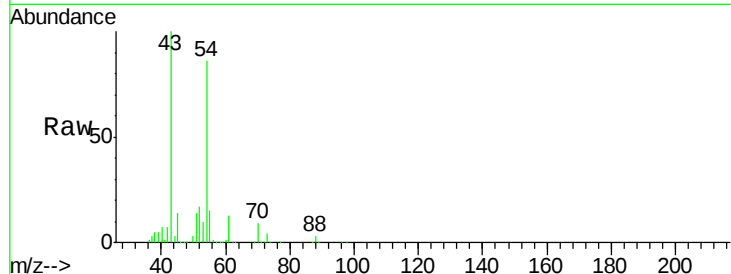
#37
Ethyl Acetate
Concen: 100.751 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: VW011159.D
Acq: 08 Jul 2019 12:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.7	9.5	14.3
70	8.7	7.1	10.7

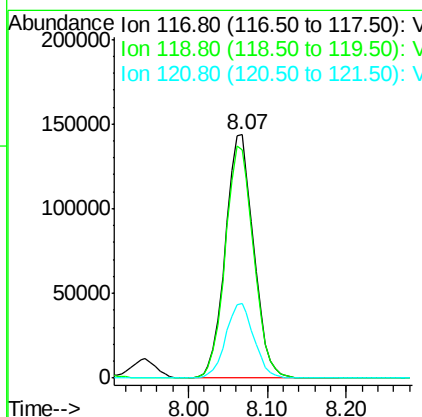
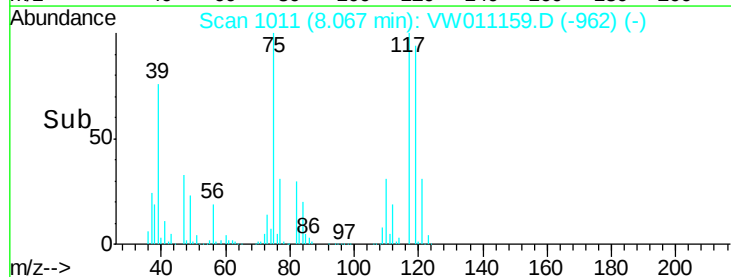
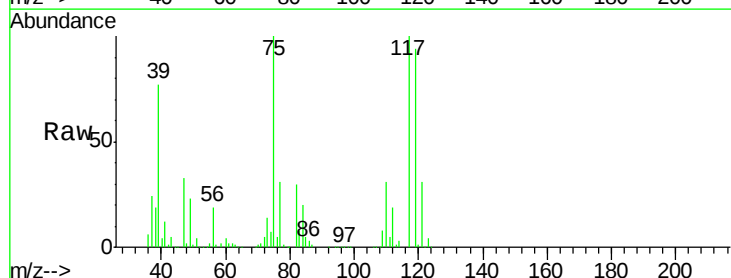
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#38
Carbon Tetrachloride
Concen: 100.892 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW011159.D
Acq: 08 Jul 2019 12:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.9	78.1	117.1
121	30.9	25.1	37.7





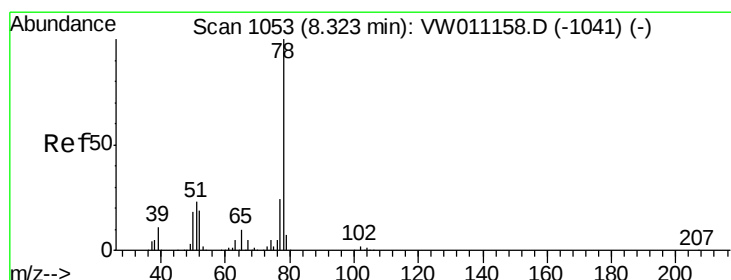
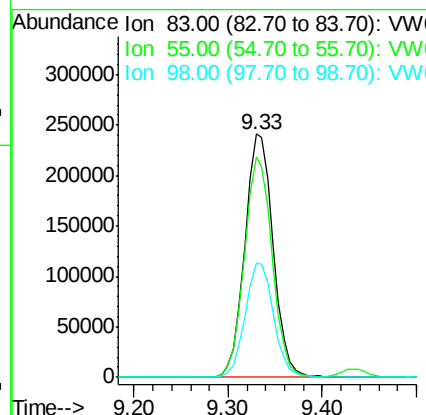
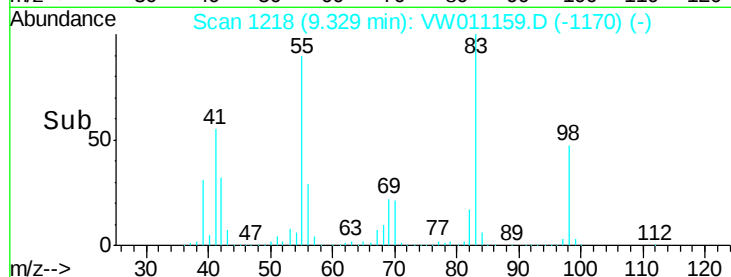
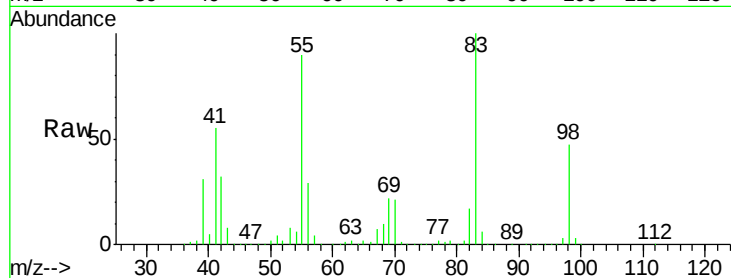
#39
Methvlcvclohexane
Concen: 99.941 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW011159.D
Acq: 08 Jul 2019 12:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	90.3	71.2	106.8
98	47.0	37.5	56.3

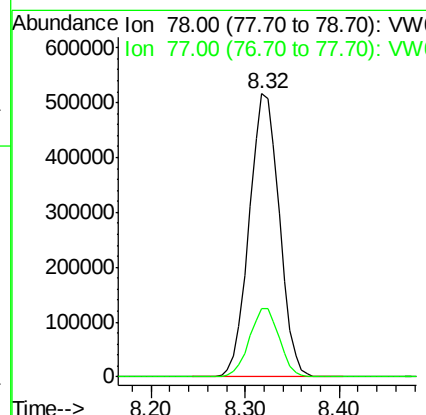
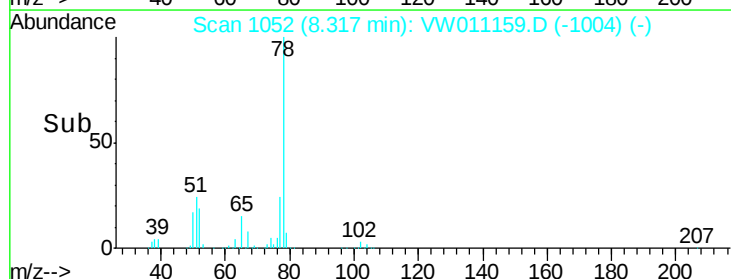
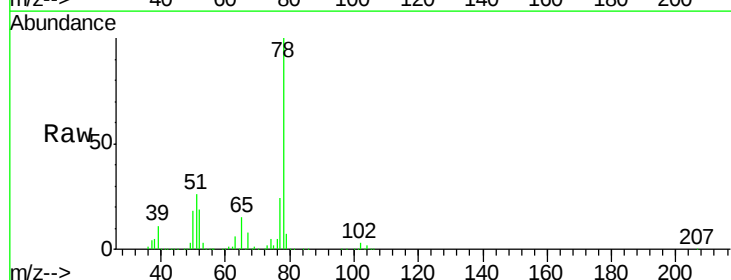
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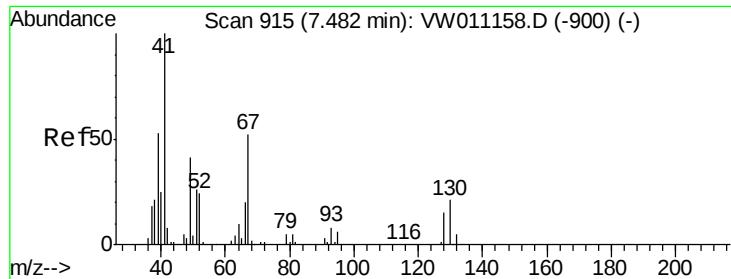
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#40
Benzene
Concen: 99.086 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW011159.D
Acq: 08 Jul 2019 12:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.0	28.6





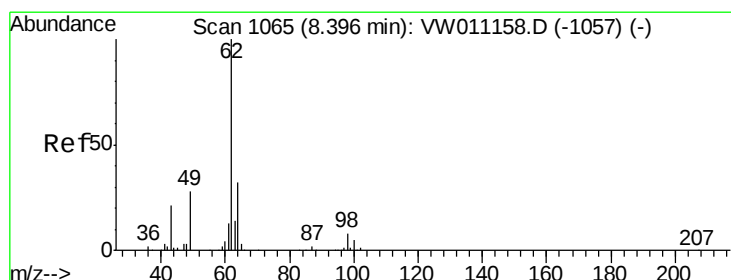
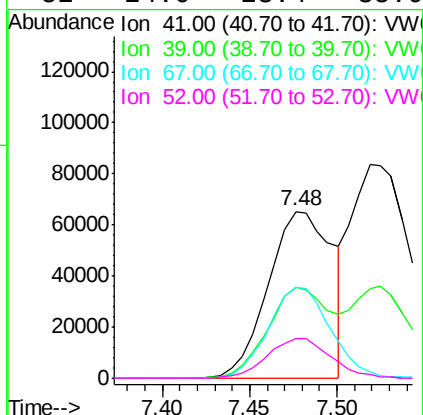
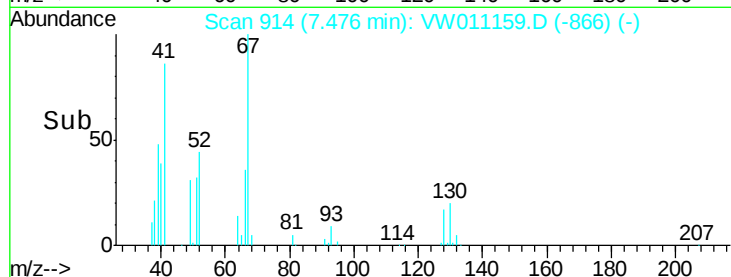
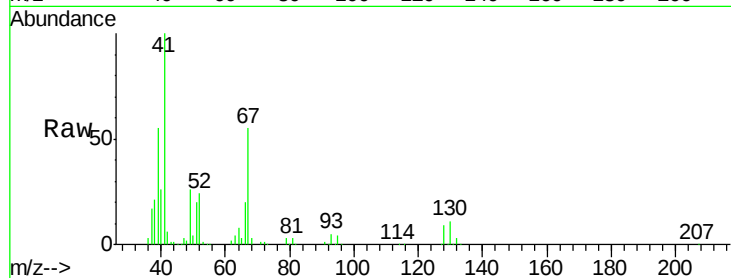
#41
Methacrylonitrile
Concen: 115.943 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW011159.D
Acq: 08 Jul 2019 12:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.2	48.0	72.0	
67	53.3	49.7	74.5	
52	24.0	23.4	35.0	

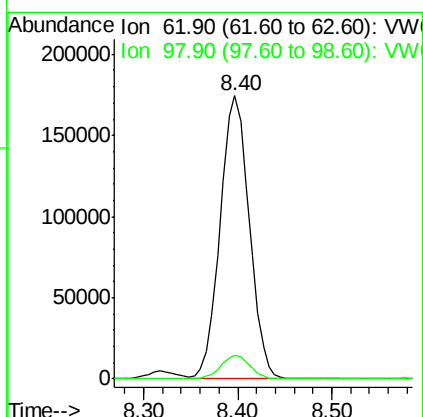
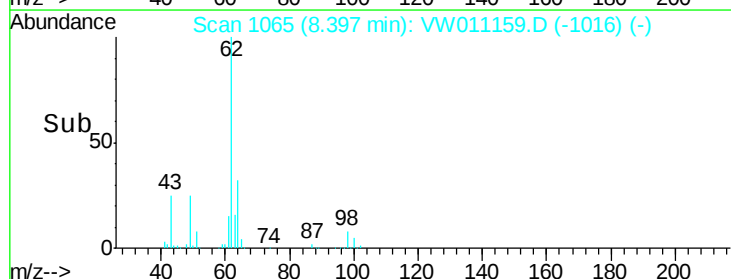
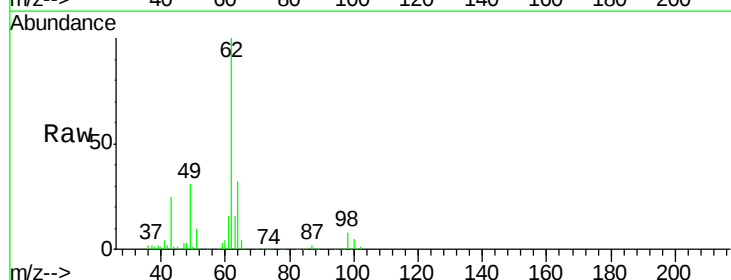
Manual Integrations
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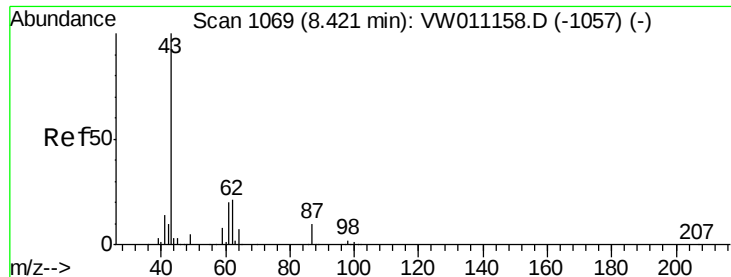
MMDadoda
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#42
1,2-Dichloroethane
Concen: 99.766 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW011159.D
Acq: 08 Jul 2019 12:28

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.4	0.0	16.8	





#43

Isopropyl Acetate

Concen: 104.962 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW011159.D

Acq: 08 Jul 2019 12:28

Instrument :

MSVOA_W

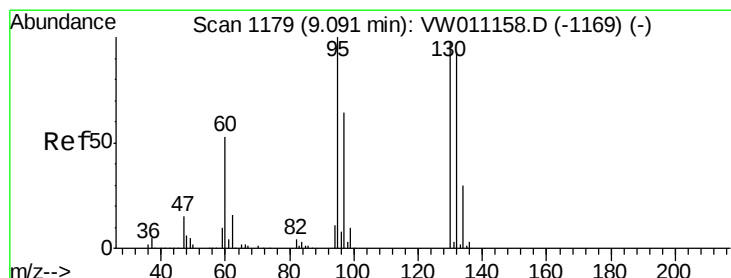
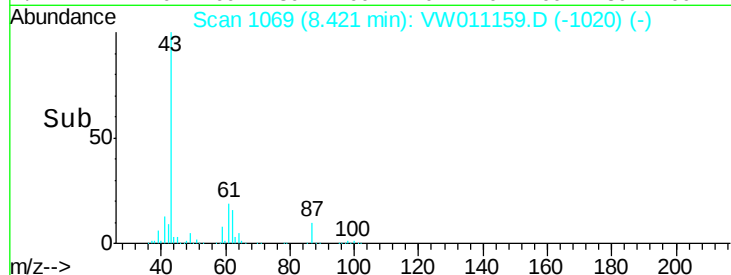
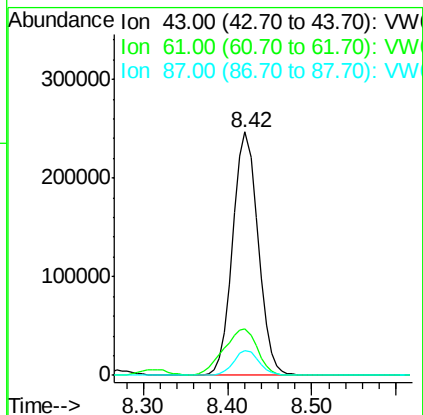
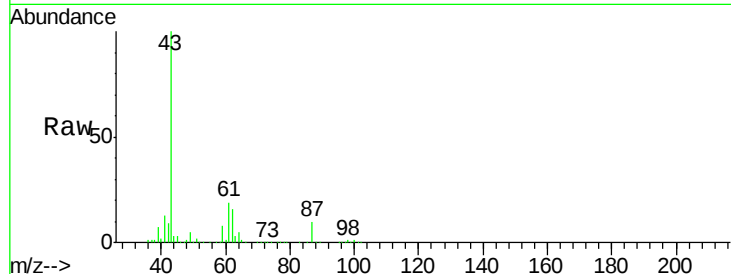
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	499137
Ion	Ratio	Lower	Upper
43	100		
61	25.9	20.7	31.1
87	10.3	8.1	12.1

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#44

Trichloroethene

Concen: 99.973 ug/l

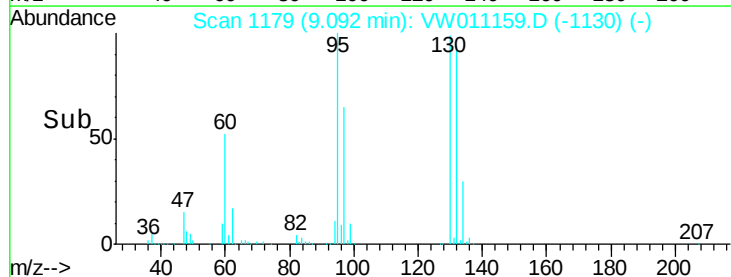
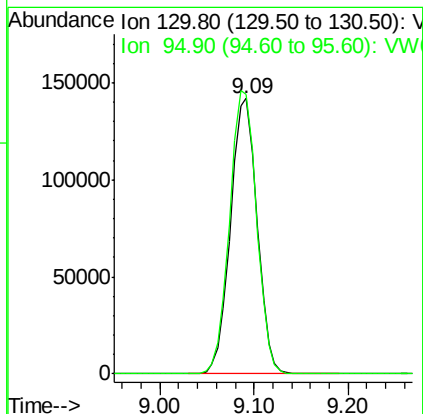
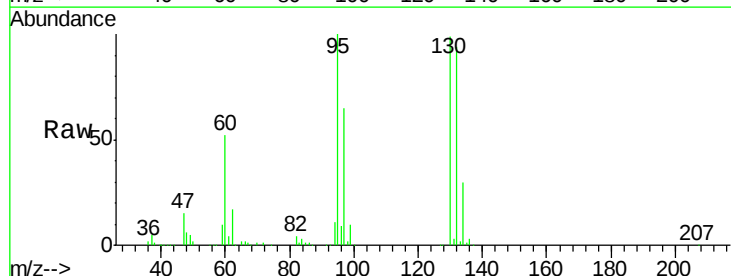
RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW011159.D

Acq: 08 Jul 2019 12:28

Tgt Ion:	130	Resp:	278719
Ion	Ratio	Lower	Upper
130	100		
95	101.3	0.0	203.6





#45

1,2-Dichloropropane

Concen: 100.609 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW011159.D

Acq: 08 Jul 2019 12:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 315643

Ion Ratio Lower Upper

63 100

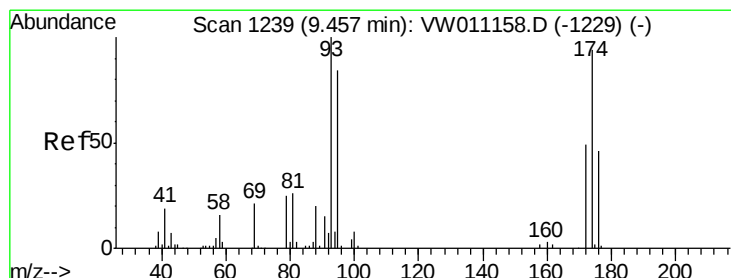
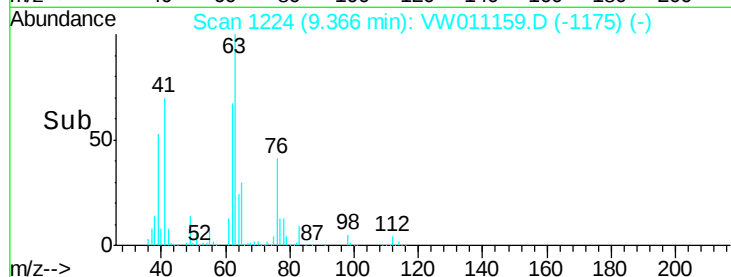
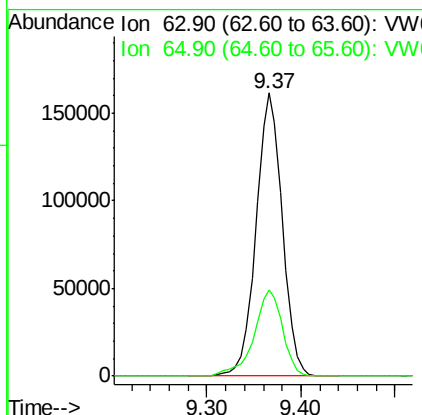
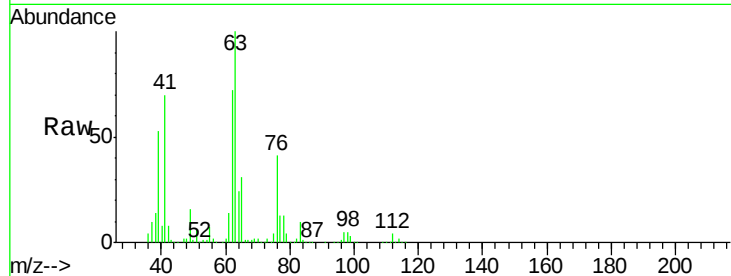
65 30.6 24.4 36.6

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#46

Dibromomethane

Concen: 101.379 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW011159.D

Acq: 08 Jul 2019 12:28

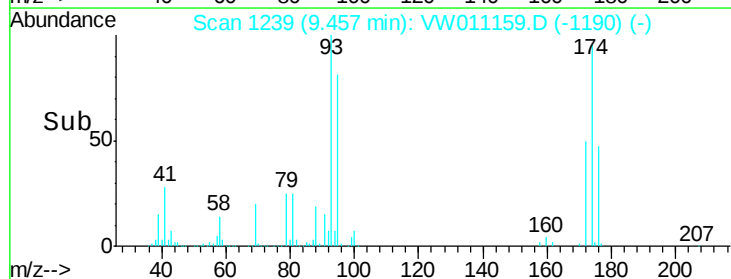
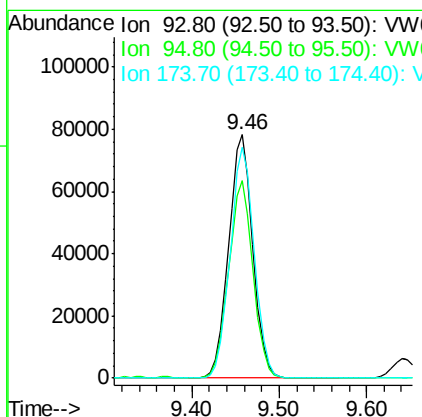
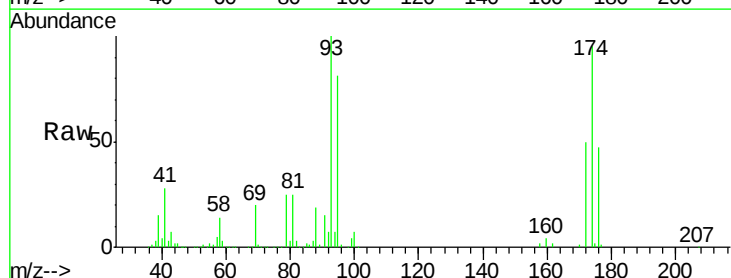
Tgt Ion: 93 Resp: 149407

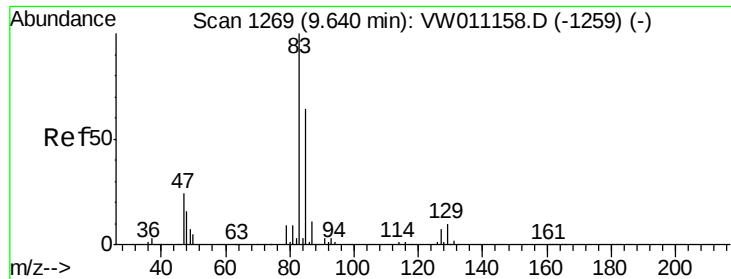
Ion Ratio Lower Upper

93 100

95 82.1 67.2 100.8

174 95.2 76.3 114.5





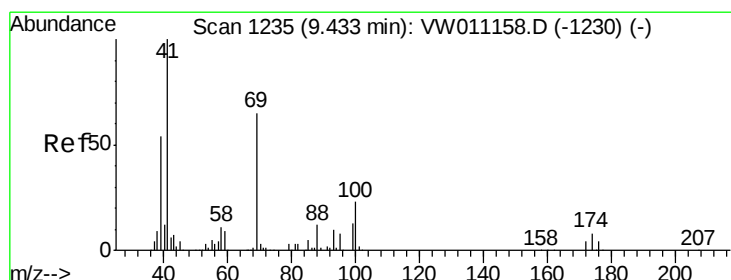
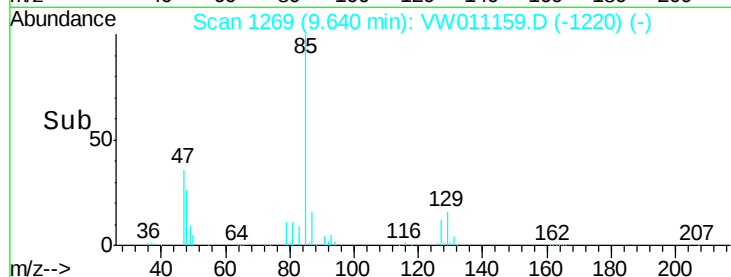
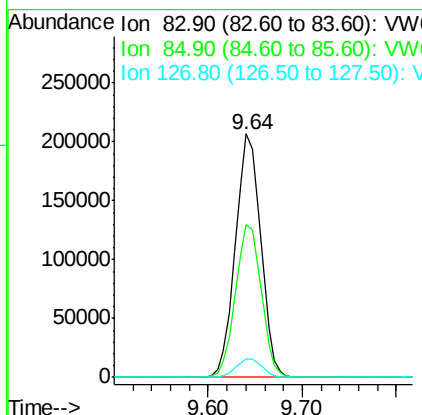
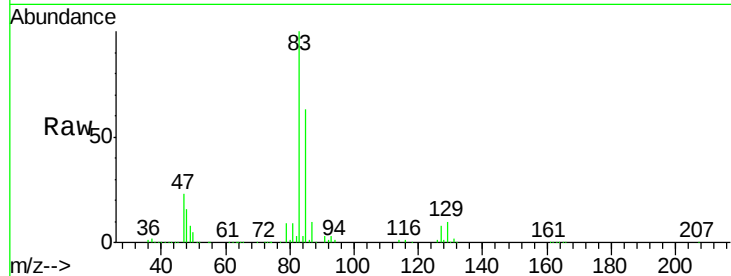
#47
Bromodichloromethane
Concen: 102.779 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW011159.D
Acq: 08 Jul 2019 12:28

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100	387566		
85	62.8		51.0	76.4
127	7.6		6.0	9.0

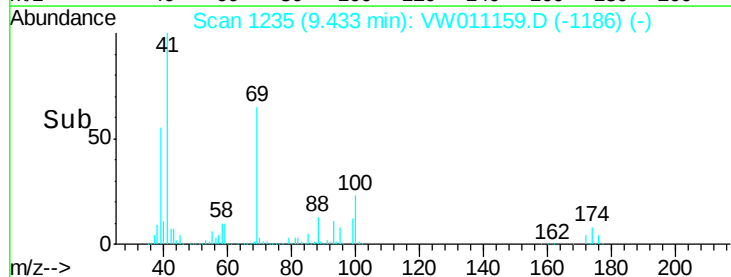
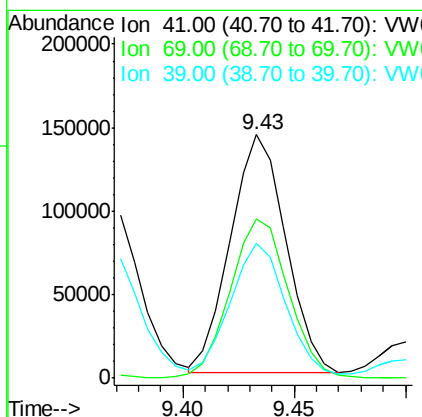
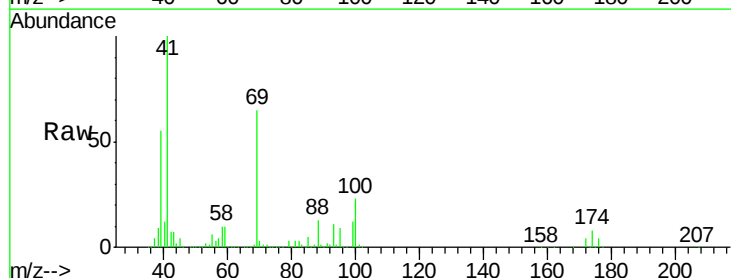
Manual Integrations
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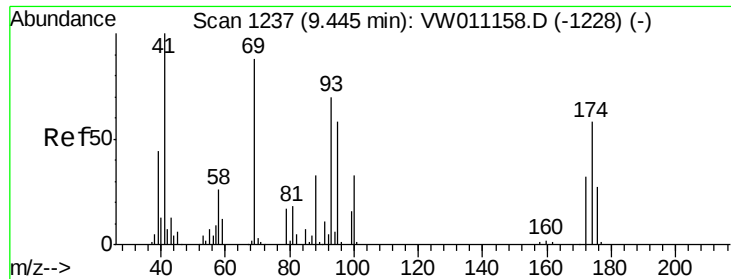
MMDadoda
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#48
Methyl methacrylate
Concen: 107.424 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW011159.D
Acq: 08 Jul 2019 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	245766		
69	70.9		56.0	84.0
39	54.7		43.5	65.3





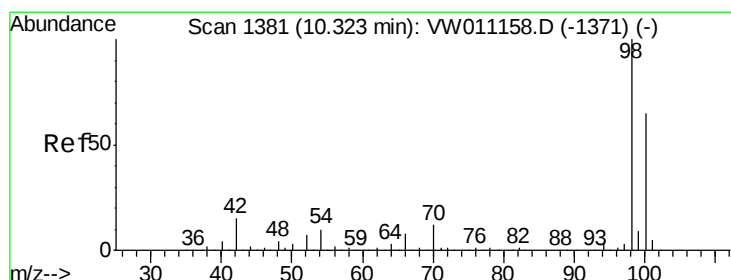
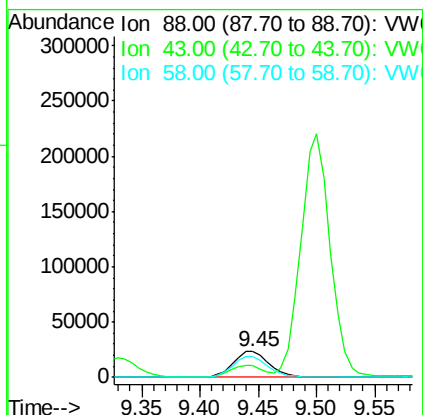
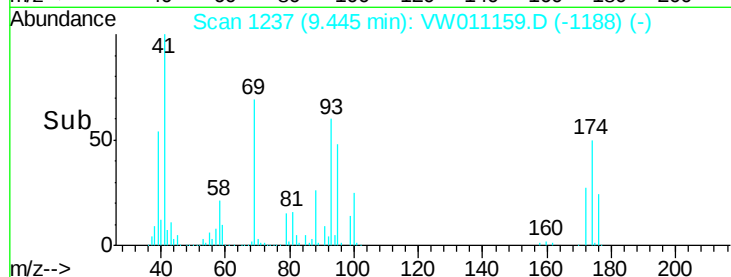
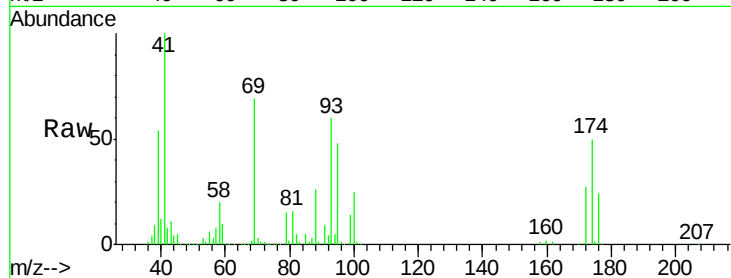
#49
1,4-Dioxane
Concen: 2057.964 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW011159.D
Acq: 08 Jul 2019 12:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	44.2	33.4	50.0
58	83.2	64.5	96.7

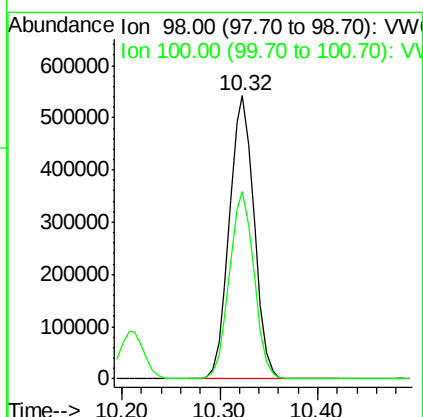
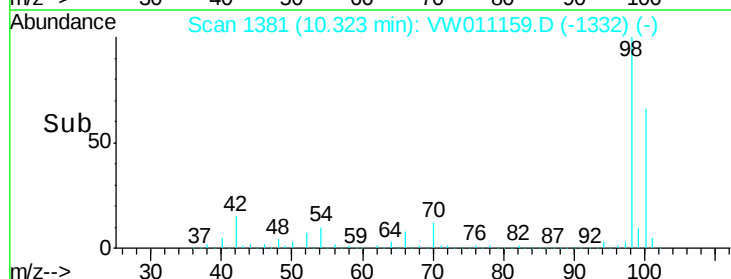
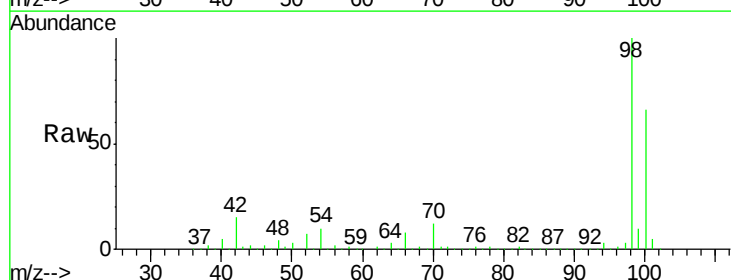
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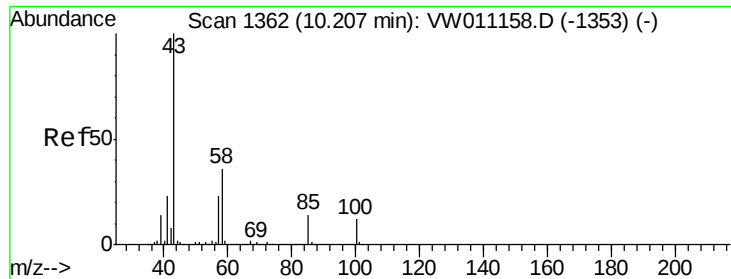
MMDadoda
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#50
Toluene-d8
Concen: 100.077 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011159.D
Acq: 08 Jul 2019 12:28

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.4	78.6





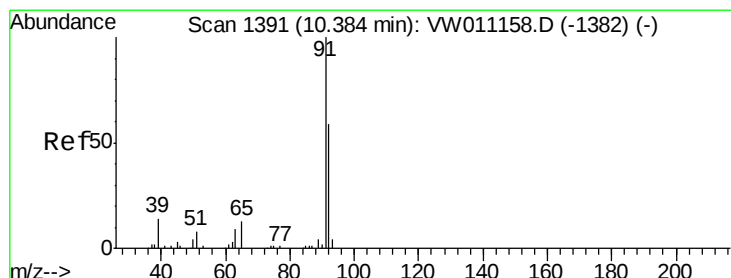
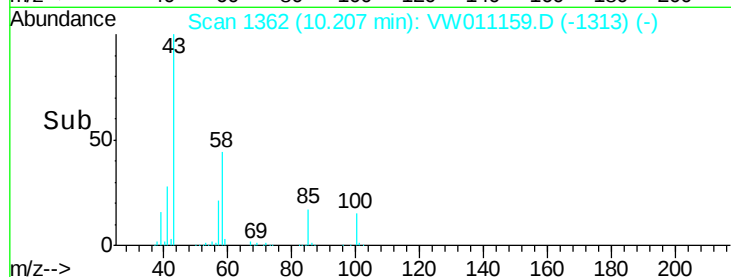
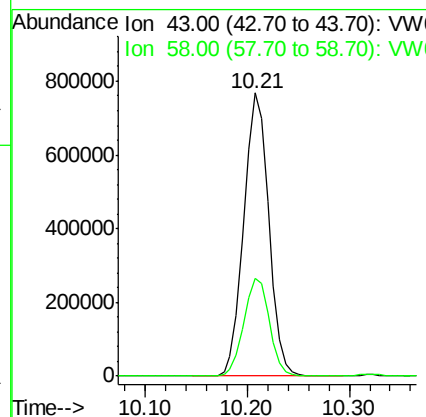
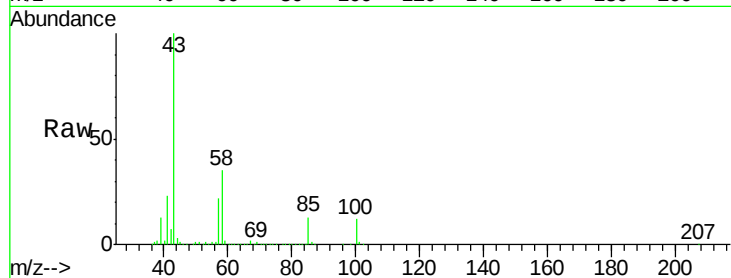
#51
 4-Methyl-2-Pentanone
 Concen: 523.923 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW011159.D
 Acq: 08 Jul 2019 12:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion: 43 Resp: 1301472
 Ion Ratio Lower Upper
 43 100
 58 35.3 28.2 42.2

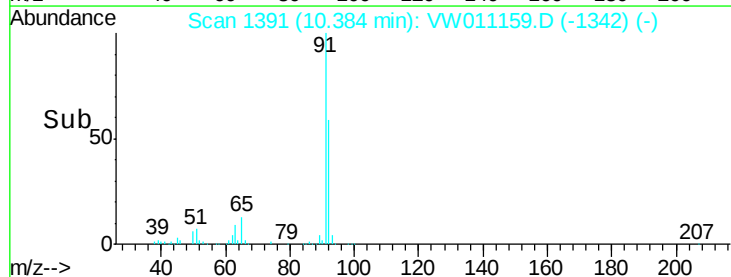
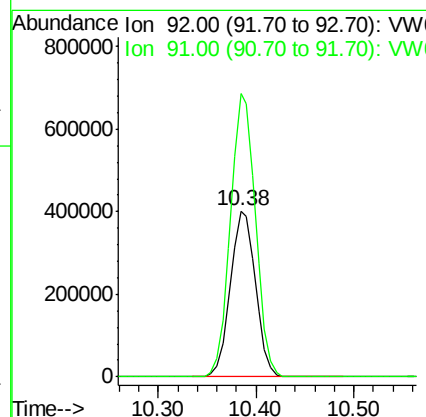
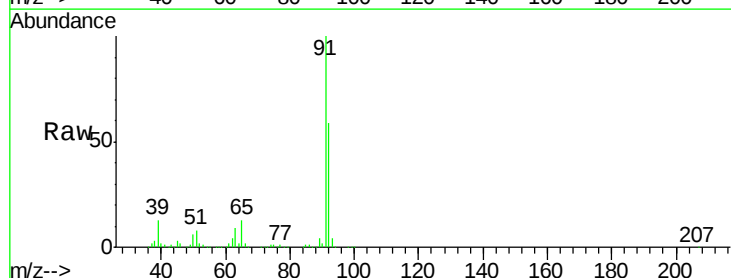
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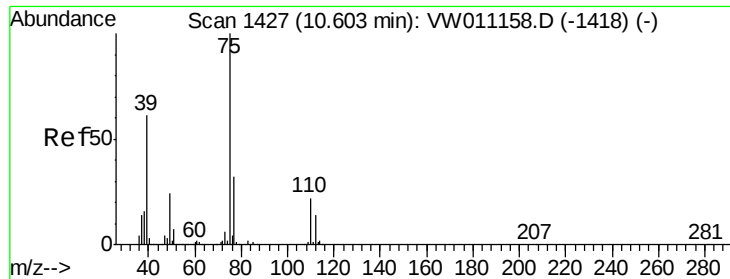
MMDadoda
 7/9/2019 4:12:57 PM



#52
 Toluene
 Concen: 101.231 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VW011159.D
 Acq: 08 Jul 2019 12:28

Tgt Ion: 92 Resp: 711441
 Ion Ratio Lower Upper
 92 100
 91 170.4 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 105.867 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011159.D

Acq: 08 Jul 2019 12:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 424933

Ion Ratio Lower Upper

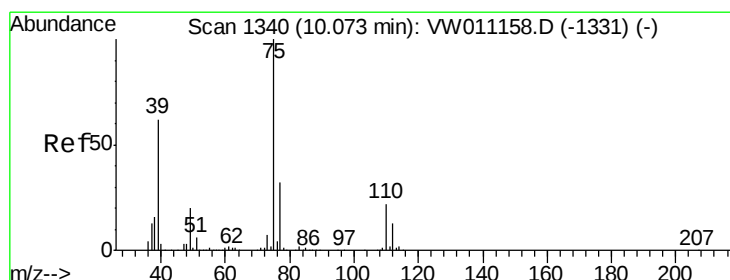
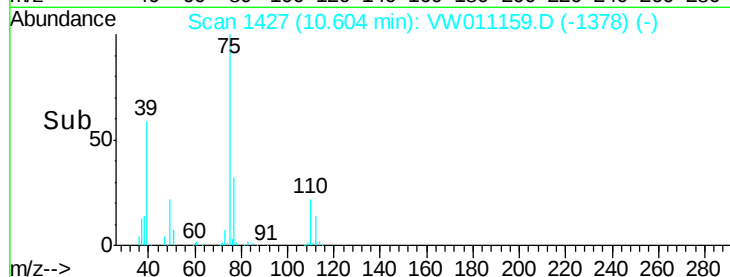
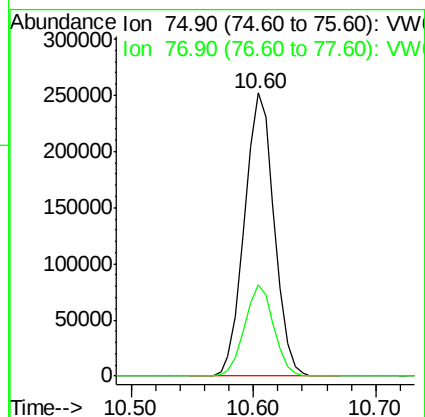
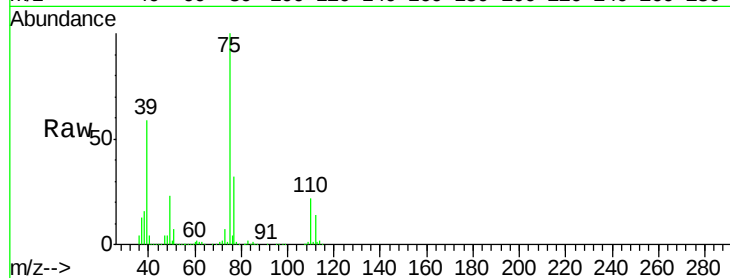
75 100

77 32.1 25.4 38.0

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 104.664 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW011159.D

Acq: 08 Jul 2019 12:28

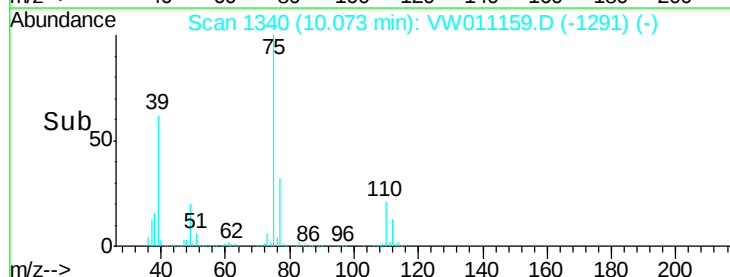
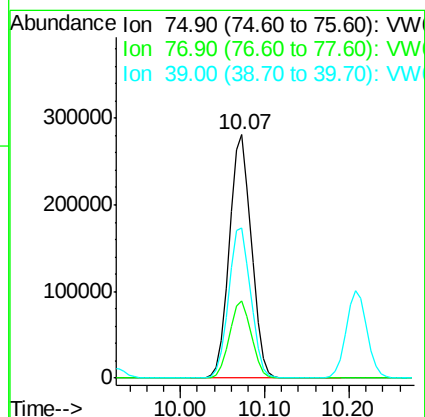
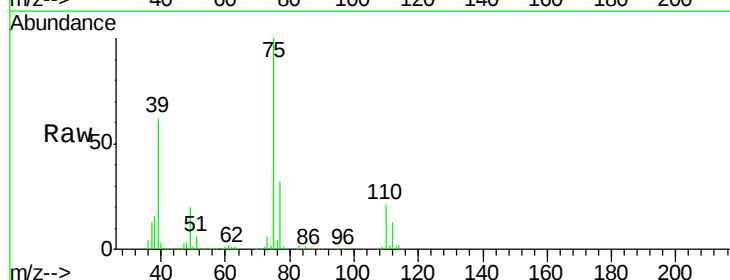
Tgt Ion: 75 Resp: 494485

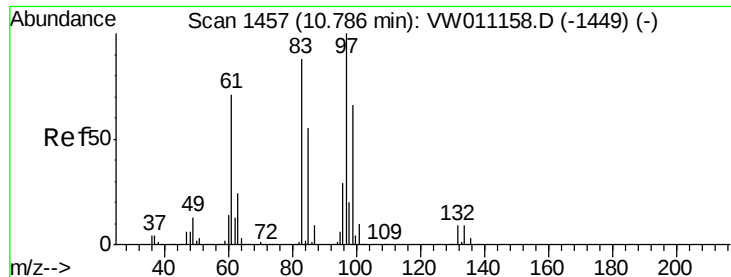
Ion Ratio Lower Upper

75 100

77 31.6 25.7 38.5

39 61.9 49.8 74.8





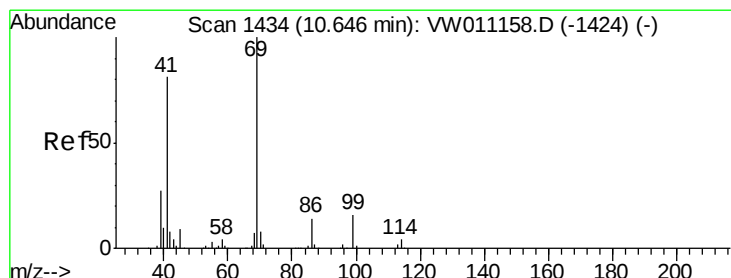
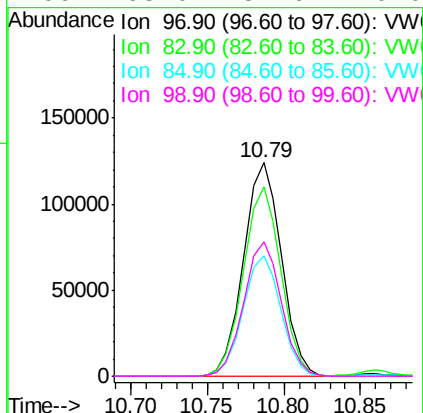
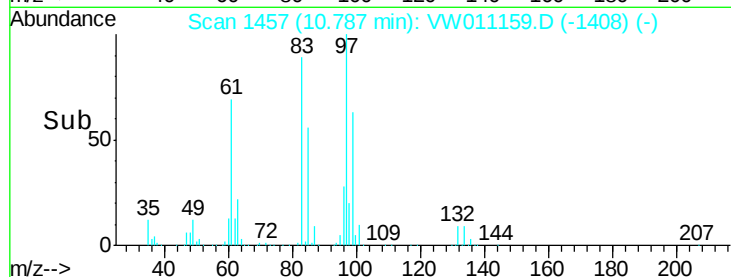
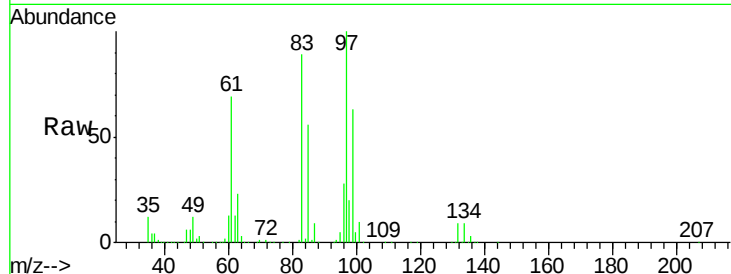
#55
1,1,2-Trichloroethane
Concen: 102.265 ug/l
RT: 10.79 min Scan# 1457
Delta R.T. 0.00 min
Lab File: VW011159.D
Acq: 08 Jul 2019 12:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion:	97	Resp:	213811
Ion	Ratio	Lower	Upper
97	100		
83	88.5	70.2	105.4
85	56.3	44.2	66.2
99	63.0	52.6	79.0

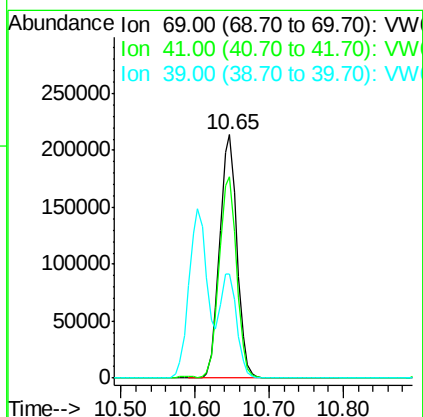
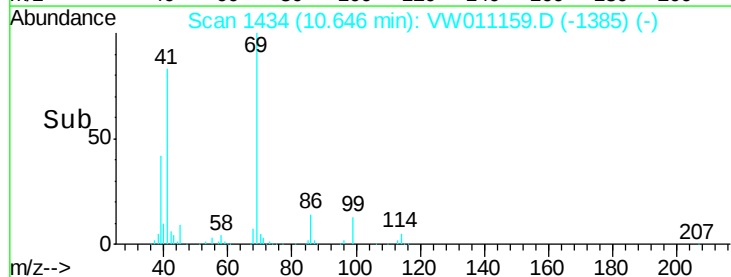
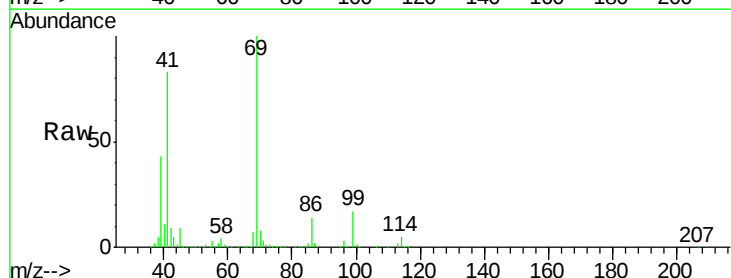
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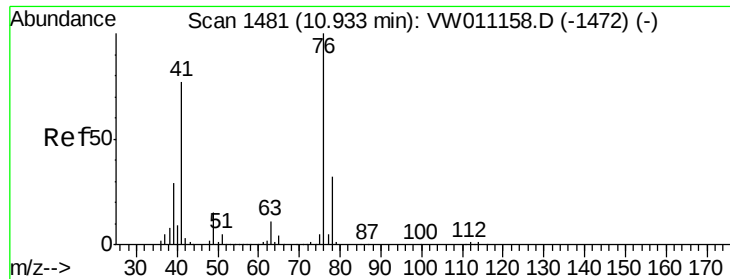
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#56
Ethyl methacrylate
Concen: 107.747 ug/l
RT: 10.65 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW011159.D
Acq: 08 Jul 2019 12:28

Tgt Ion:	69	Resp:	342974
Ion	Ratio	Lower	Upper
69	100		
41	83.8	66.5	99.7
39	39.6	32.5	48.7





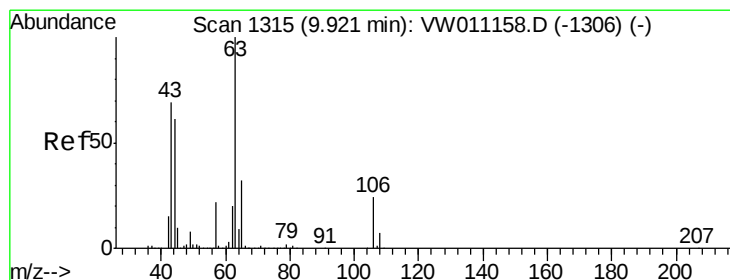
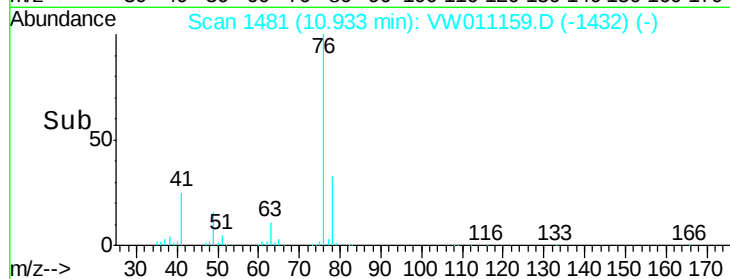
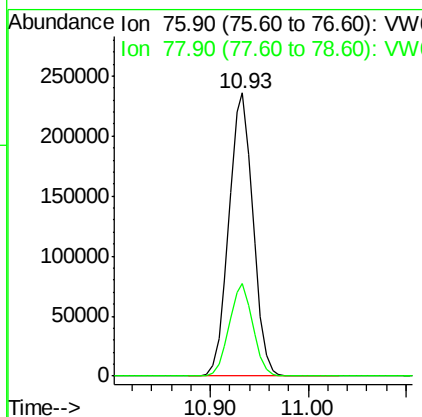
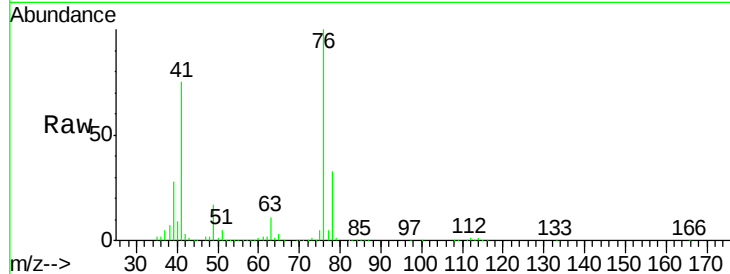
#57
 1,3-Dichloropropane
 Concen: 101.786 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW011159.D
 Acq: 08 Jul 2019 12:28

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tot Ion: 76 Resp: 402424
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.2 39.2

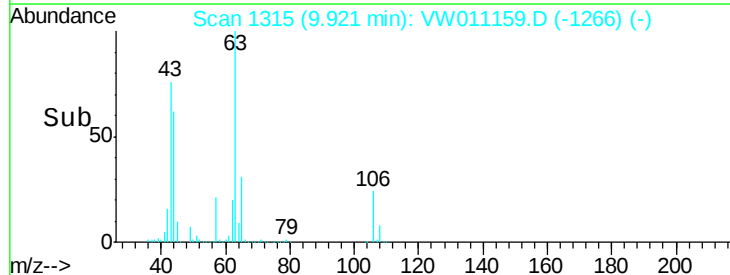
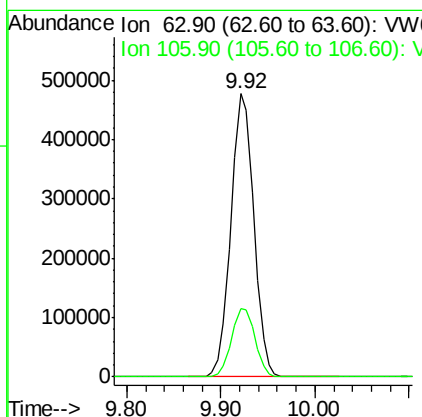
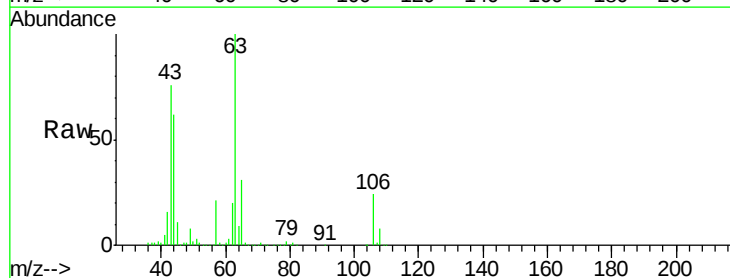
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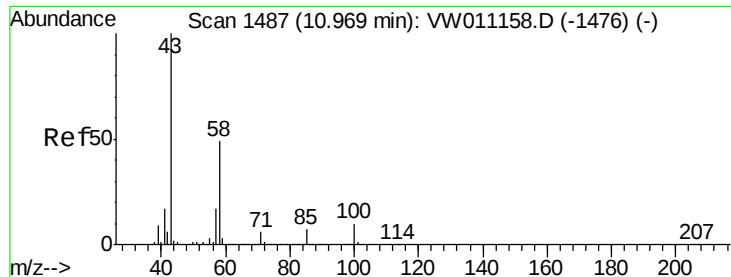
MMDadoda
 7/9/2019 4:12:57 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 546.816 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW011159.D
 Acq: 08 Jul 2019 12:28

Tgt Ion: 63 Resp: 806934
 Ion Ratio Lower Upper
 63 100
 106 24.8 19.4 29.0





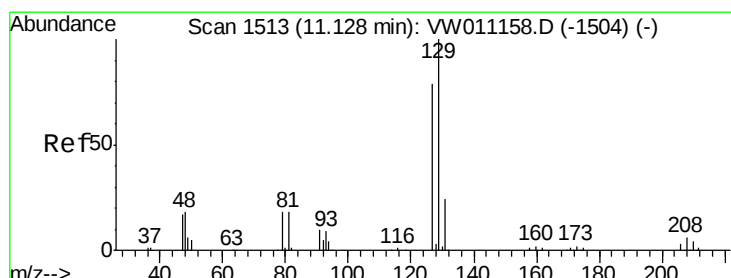
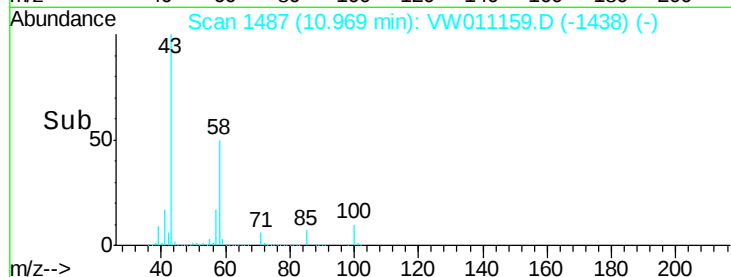
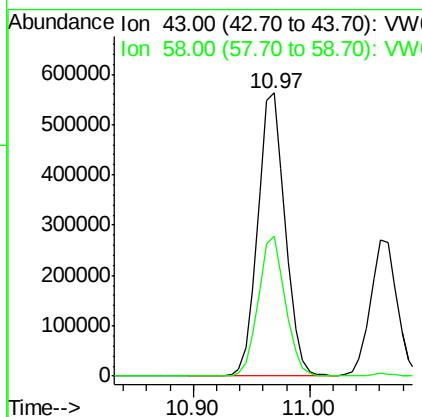
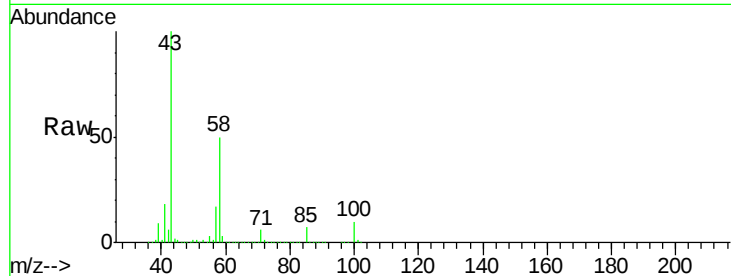
#59
2-Hexanone
Concen: 532.515 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011159.D
Acq: 08 Jul 2019 12:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 917373
Ion Ratio Lower Upper
43 100
58 48.9 24.4 73.4

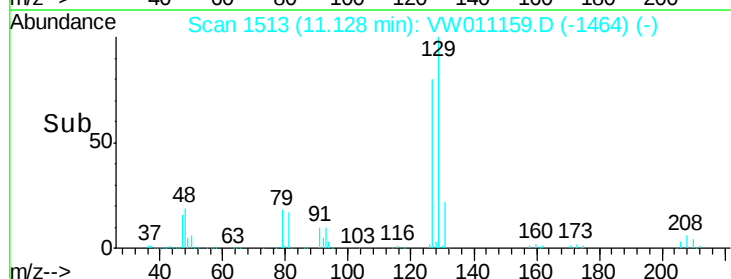
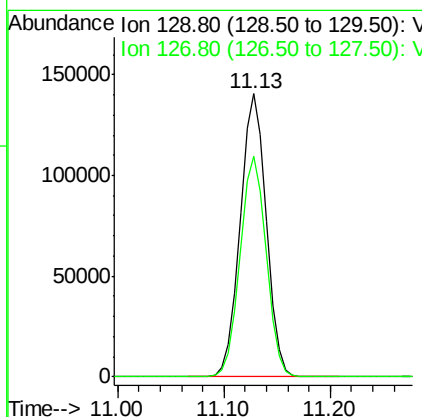
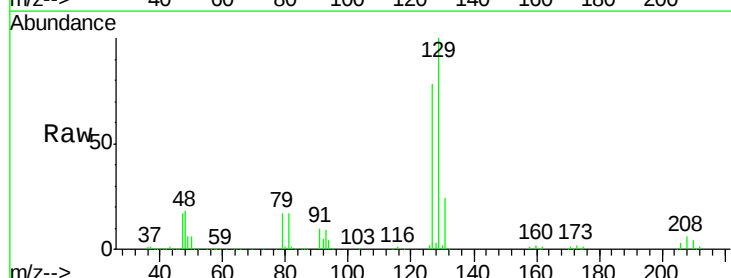
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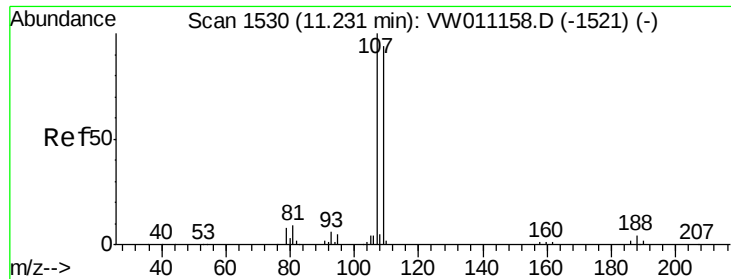
MMDadoda
7/9/2019 4:12:57 PM



#60
Dibromochloromethane
Concen: 105.239 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011159.D
Acq: 08 Jul 2019 12:28

Tgt Ion: 129 Resp: 241277
Ion Ratio Lower Upper
129 100
127 78.3 39.1 117.3





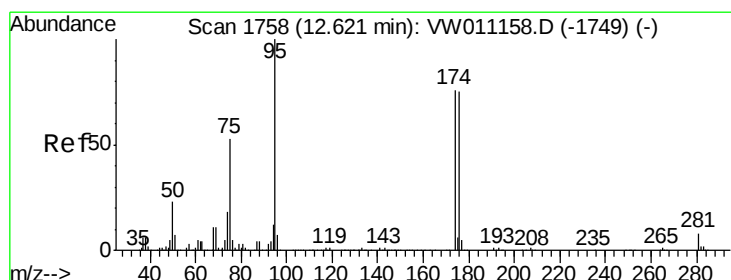
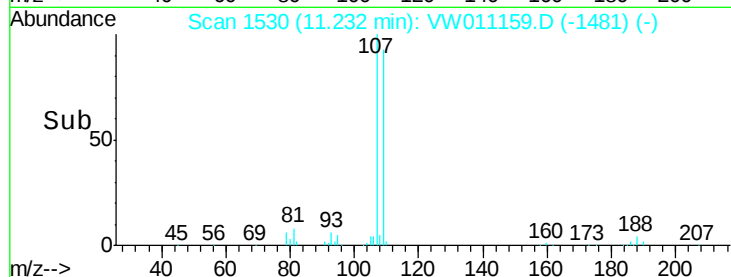
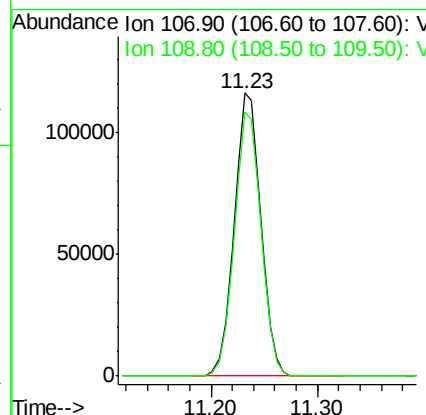
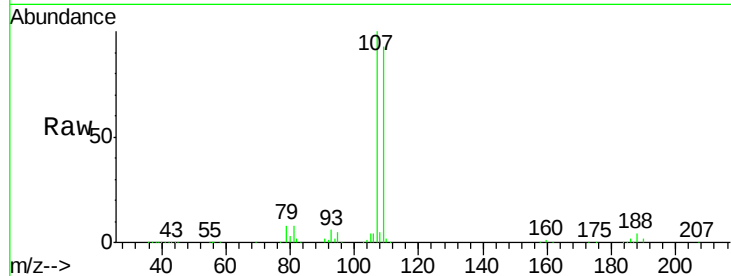
#61
 1,2-Dibromoethane
 Concen: 102.673 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW011159.D
 Acq: 08 Jul 2019 12:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.2	112.8

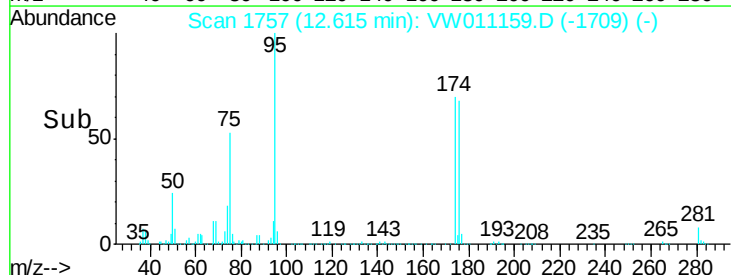
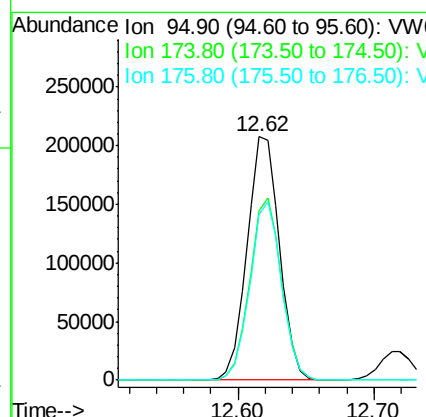
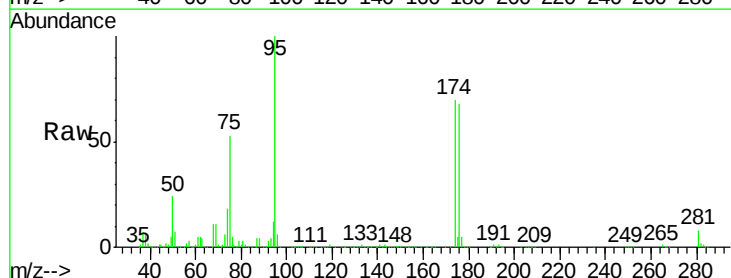
Manual Integrations
 APPROVED

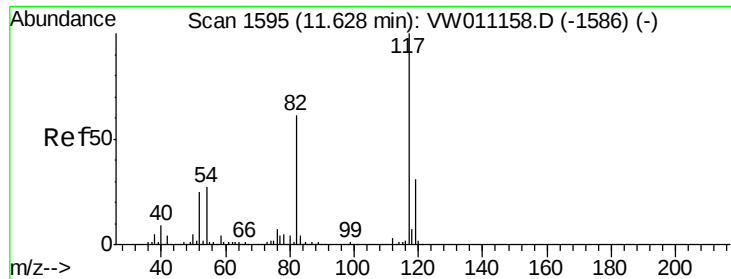
MMDadoda
 7/9/2019 4:12:57 PM



#62
 4-Bromofluorobenzene
 Concen: 99.386 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW011159.D
 Acq: 08 Jul 2019 12:28

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.6	0.0	147.6
176	71.6	0.0	144.6





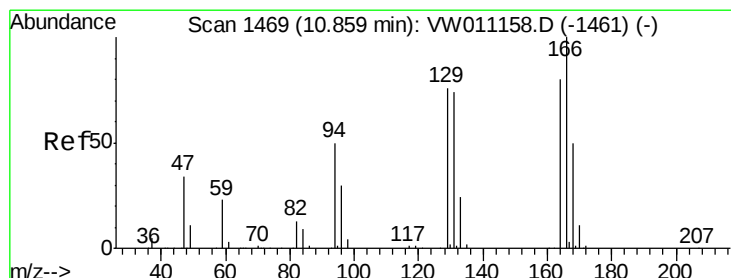
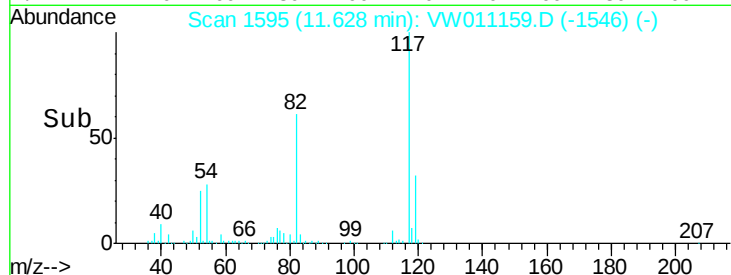
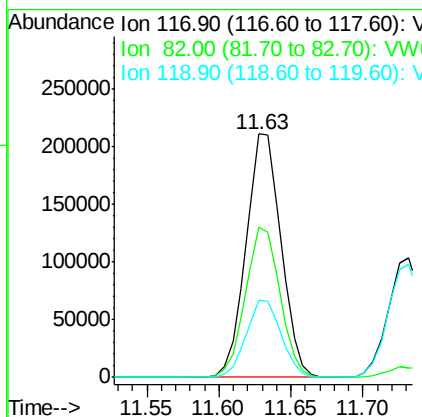
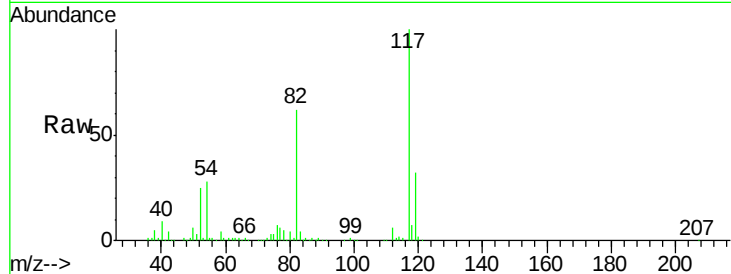
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW011159.D
Acq: 08 Jul 2019 12:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	354182		
82	61.5	48.9	73.3	
119	31.6	25.0	37.6	

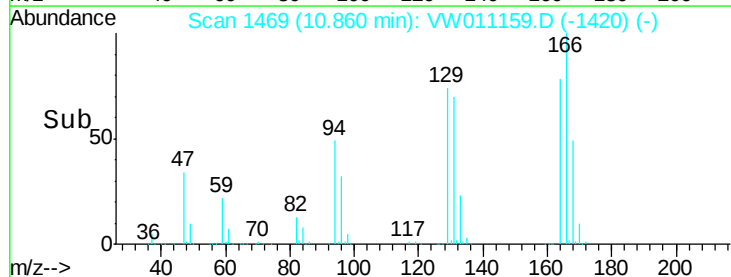
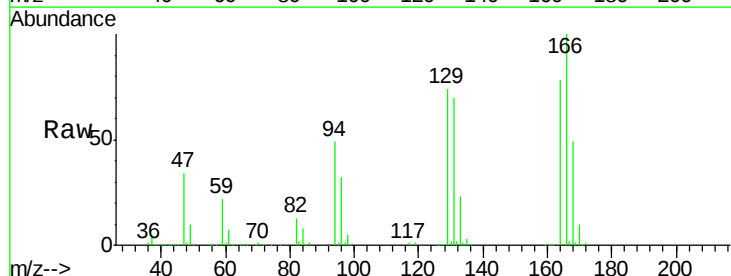
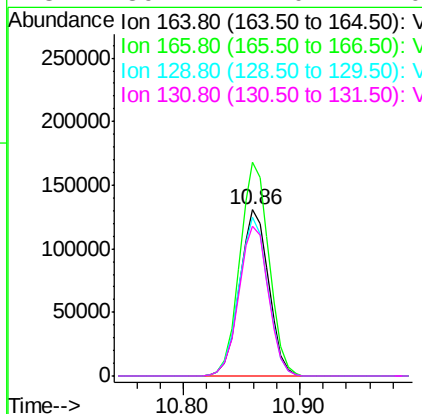
Manual Integrations
APPROVED

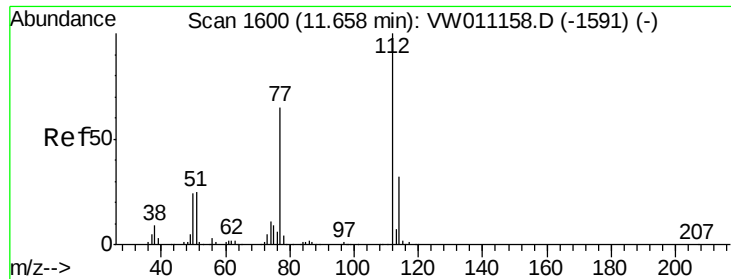
MMDadoda
7/9/2019 4:12:57 PM



#64
Tetrachloroethene
Concen: 94.886 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011159.D
Acq: 08 Jul 2019 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	226772		
166	128.4	99.7	149.5	
129	95.4	76.2	114.2	
131	89.7	74.0	111.0	





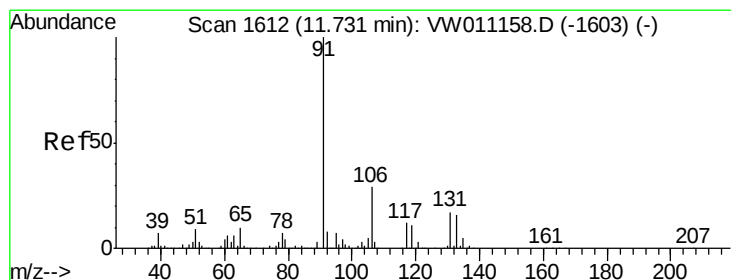
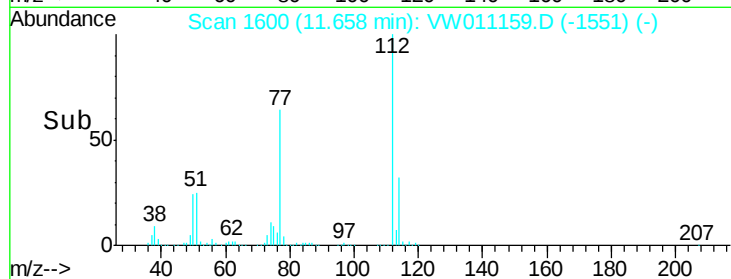
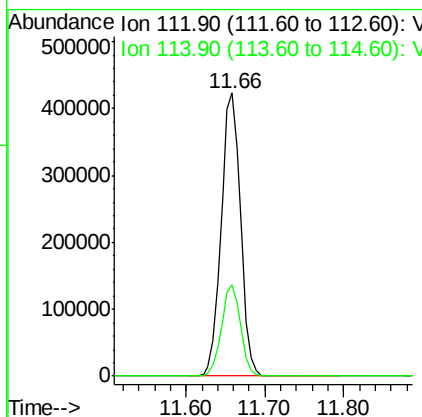
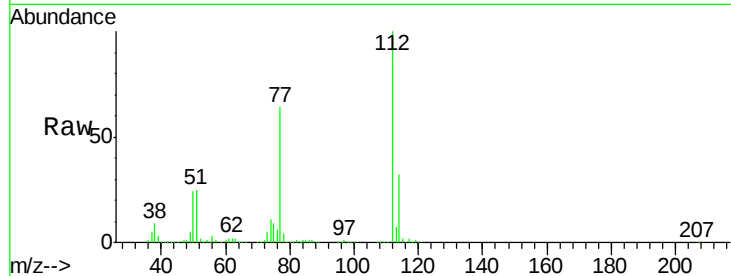
#65
Chlorobenzene
Concen: 99.673 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011159.D
Acq: 08 Jul 2019 12:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.5	38.3

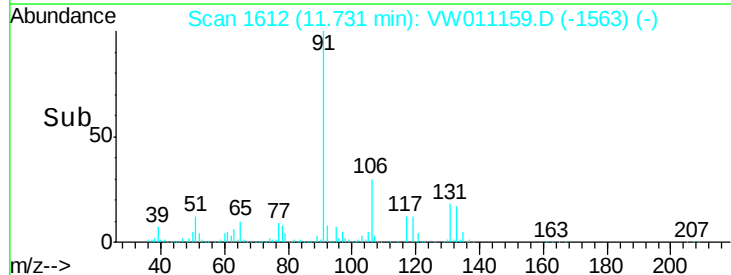
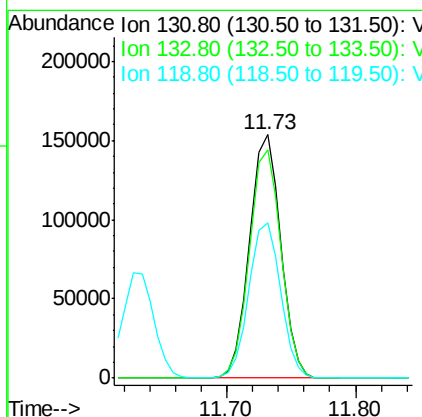
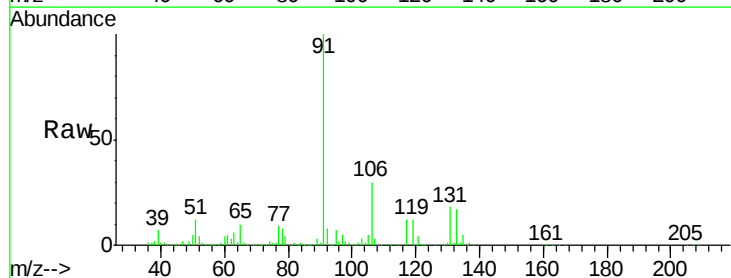
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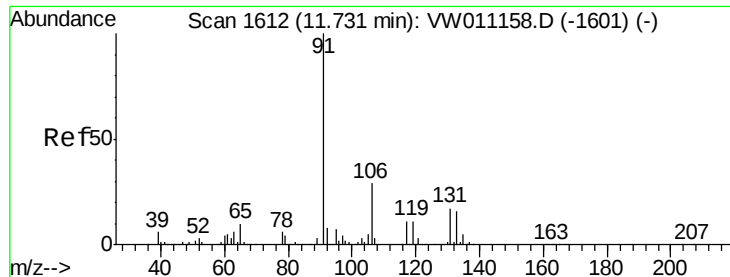
MMDadoda
7/9/2019 4:12:57 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 101.259 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011159.D
Acq: 08 Jul 2019 12:28

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.9	47.9	143.8
119	65.0	33.1	99.2





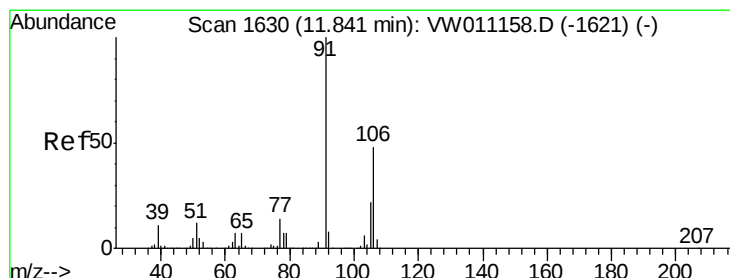
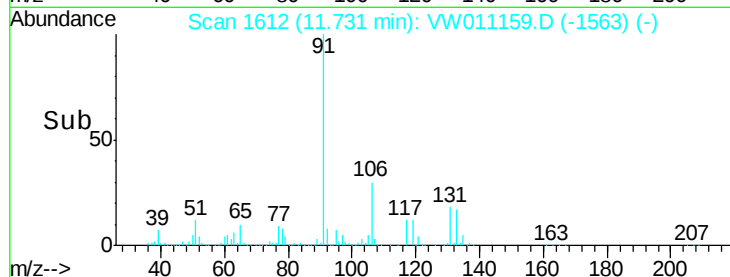
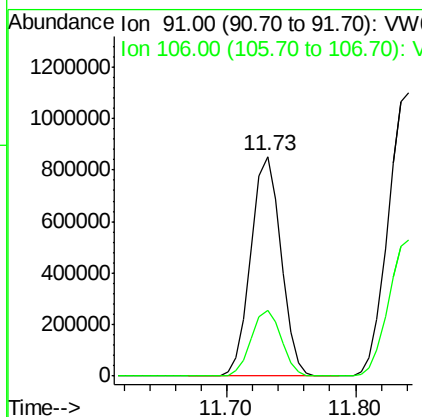
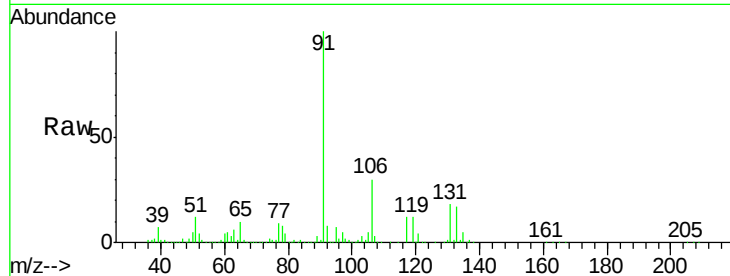
#67
Ethyl Benzene
Concen: 99.692 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011159.D
Acq: 08 Jul 2019 12:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1374266
Ion Ratio Lower Upper
91 100
106 30.2 23.5 35.3

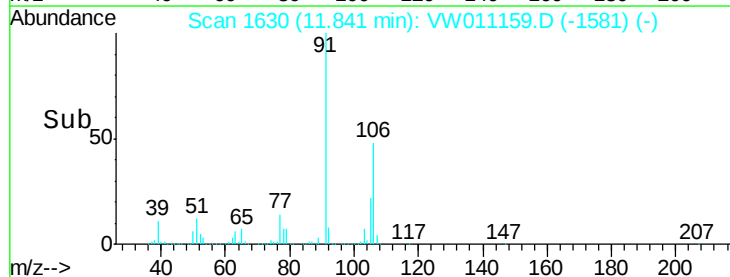
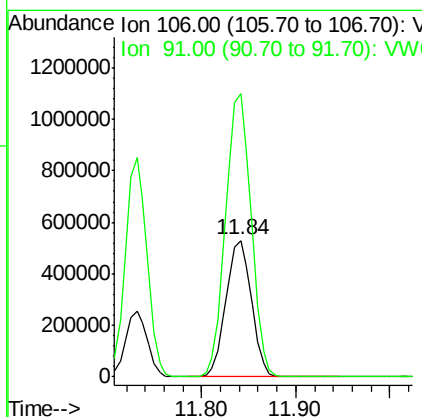
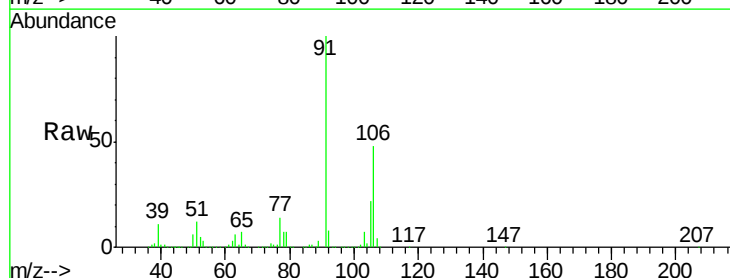
Manual Integrations
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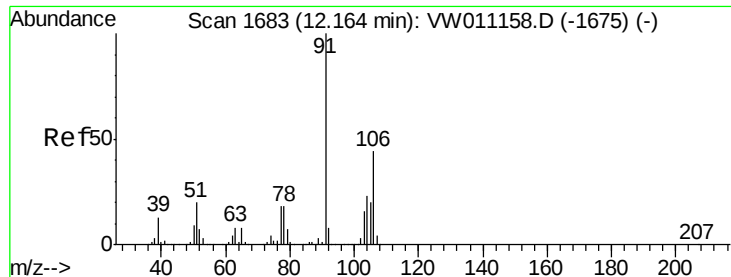
MMDadoda
7/9/2019 4:12:57 PM



#68
m/p-Xylenes
Concen: 198.600 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW011159.D
Acq: 08 Jul 2019 12:28

Tgt Ion: 106 Resp: 990624
Ion Ratio Lower Upper
106 100
91 209.1 167.7 251.5





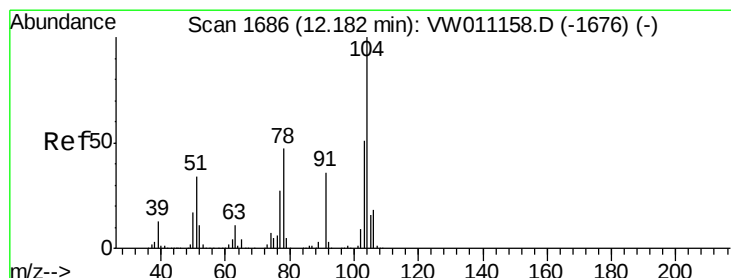
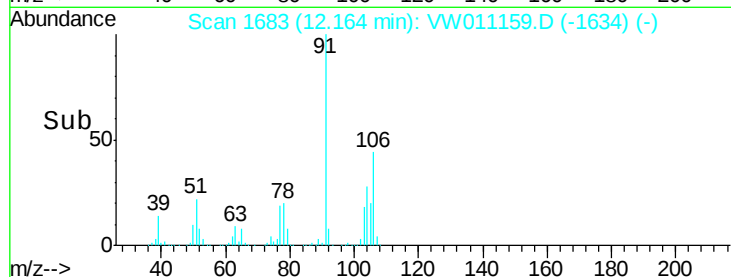
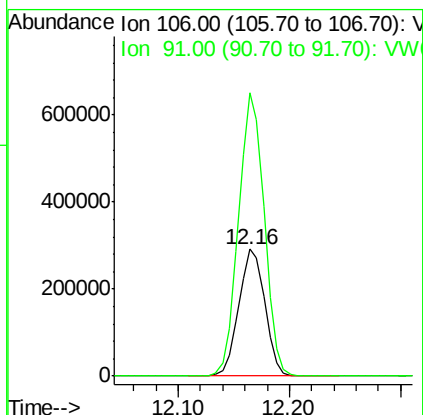
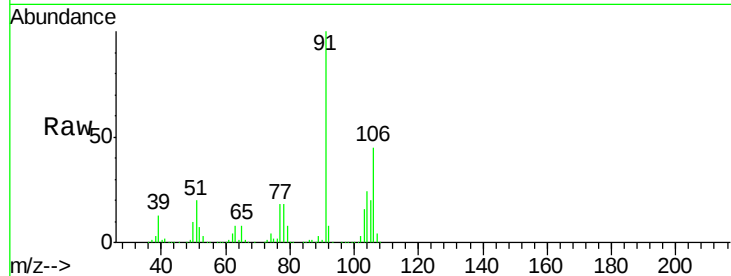
#69
o-Xylene
Concen: 100.502 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011159.D
Acq: 08 Jul 2019 12:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
106	100		
91	220.2	110.7	332.1

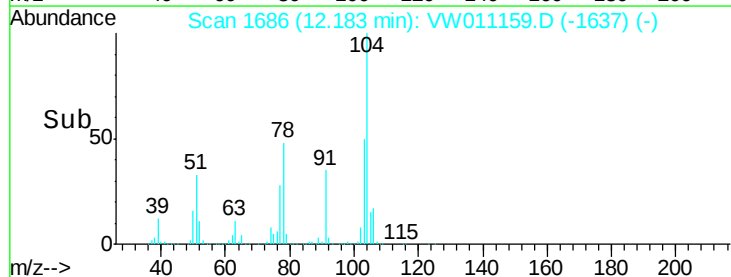
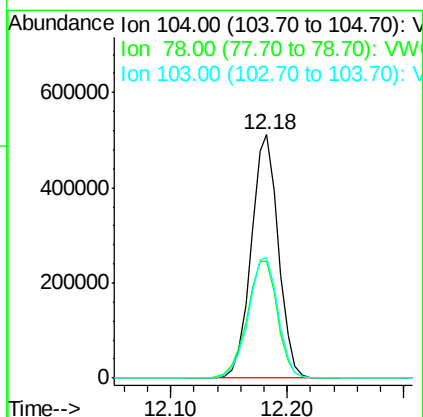
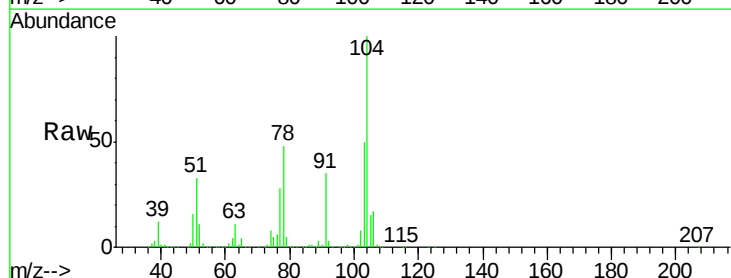
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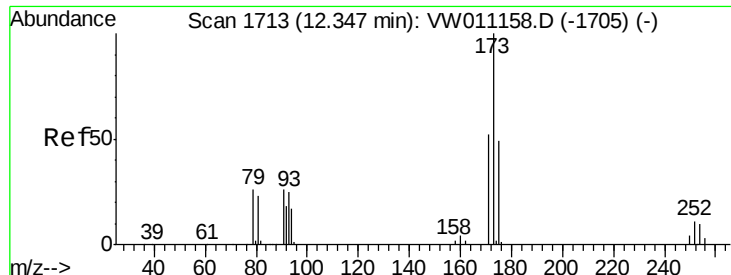
MMDadoda
7/9/2019 4:12:57 PM



#70
Styrene
Concen: 102.393 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011159.D
Acq: 08 Jul 2019 12:28

Tgt Ion	Ratio	Lower	Upper
104	100		
78	53.6	43.1	64.7
103	54.2	44.1	66.1





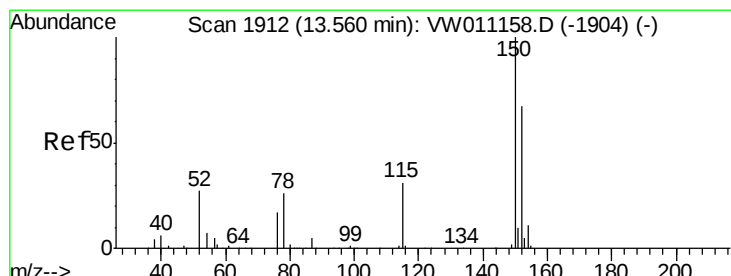
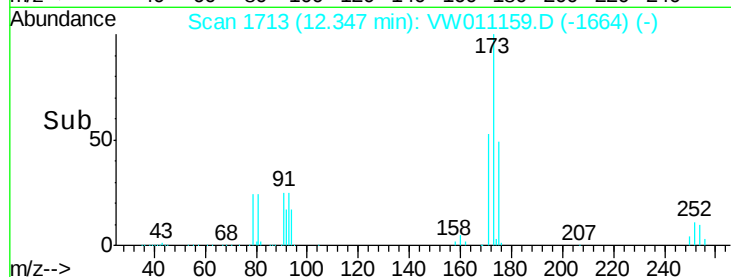
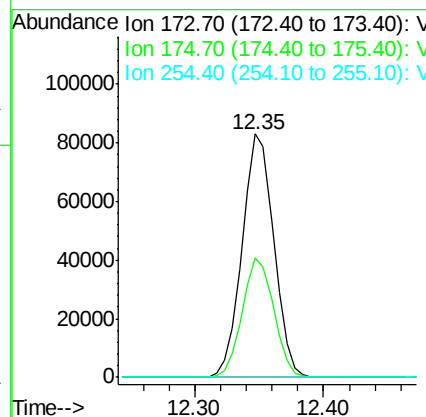
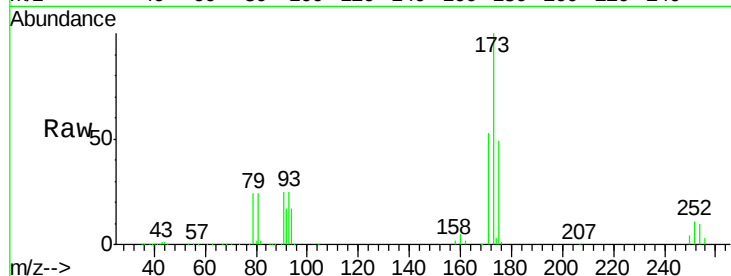
#71
Bromoform
Concen: 104.416 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW011159.D
Acq: 08 Jul 2019 12:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.8	74.3
254	0.1	0.0	0.0

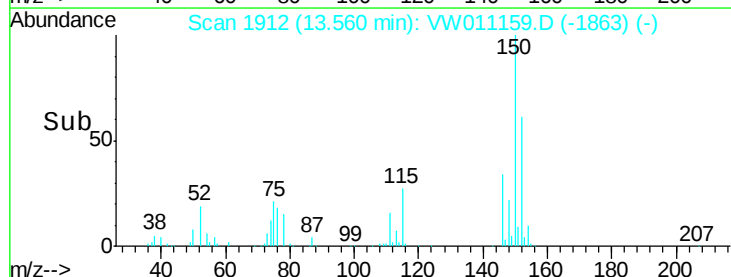
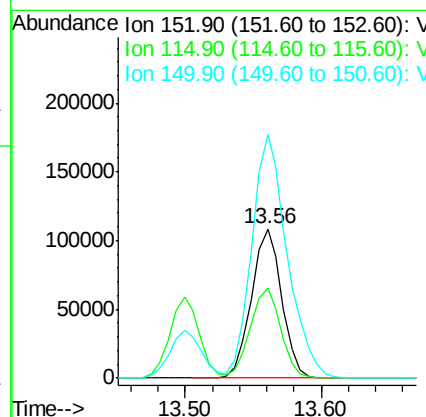
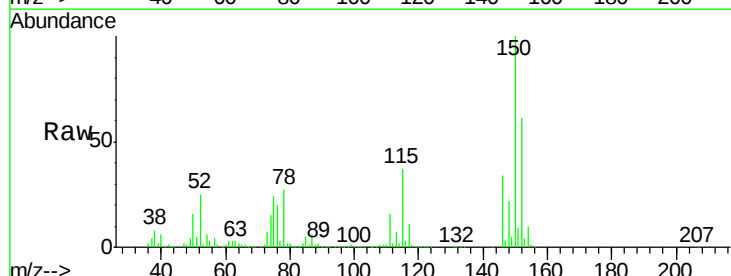
Manual Integrations
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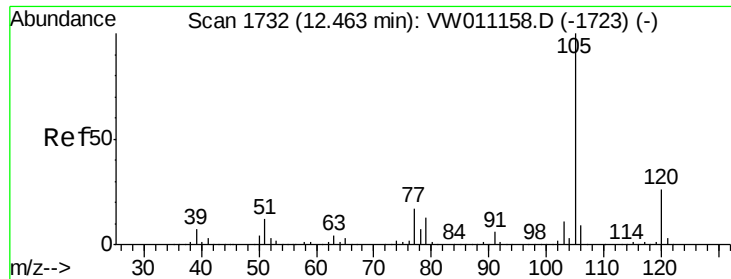
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011159.D
Acq: 08 Jul 2019 12:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.9	30.1	90.3
150	190.1	0.0	346.0





#73

Isopropylbenzene

Concen: 100.434 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011159.D

Acq: 08 Jul 2019 12:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1270145

Ion Ratio Lower Upper

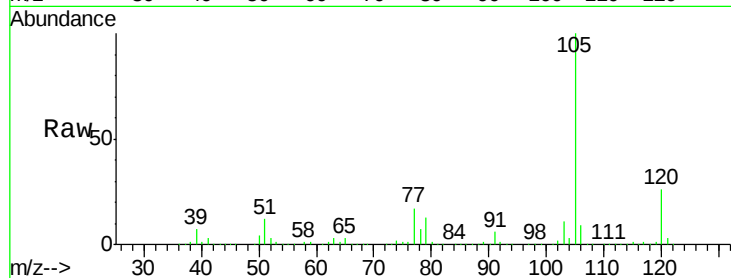
105 100

120 25.8 12.8 38.3

Manual Integrations
APPROVED

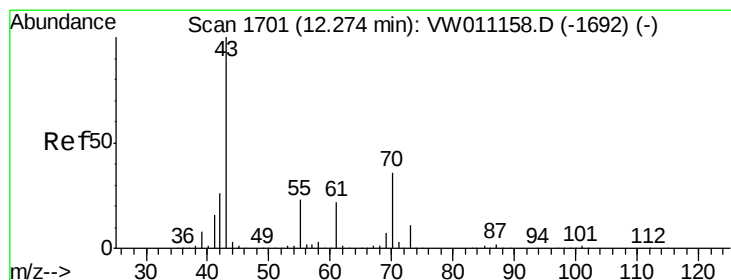
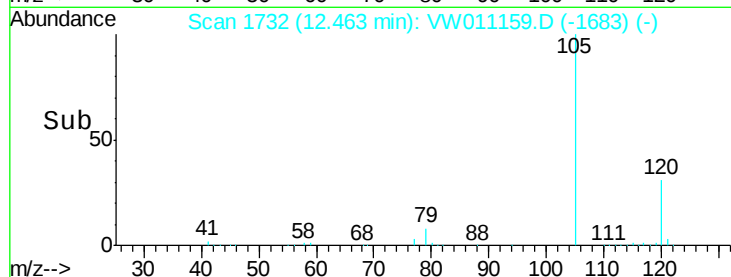
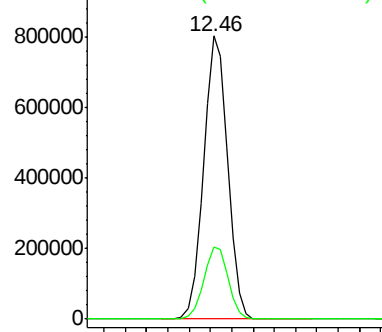
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 106.253 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW011159.D

Acq: 08 Jul 2019 12:28

Tgt Ion: 43 Resp: 467990

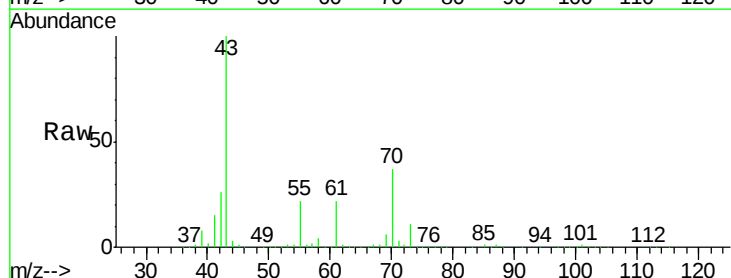
Ion Ratio Lower Upper

43 100

70 36.1 28.5 42.7

55 21.7 18.1 27.1

61 21.4 17.2 25.8

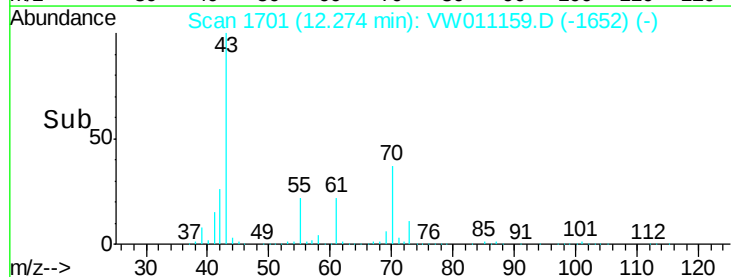
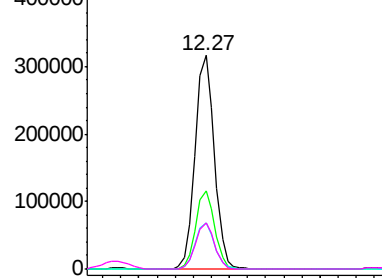


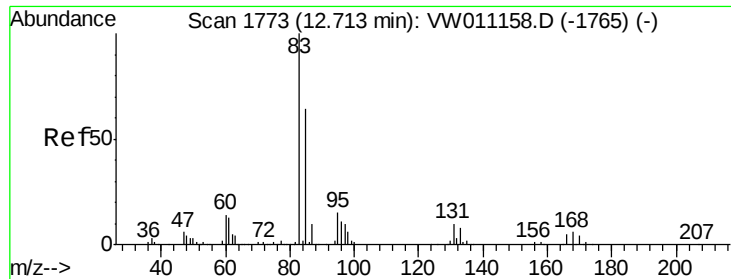
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





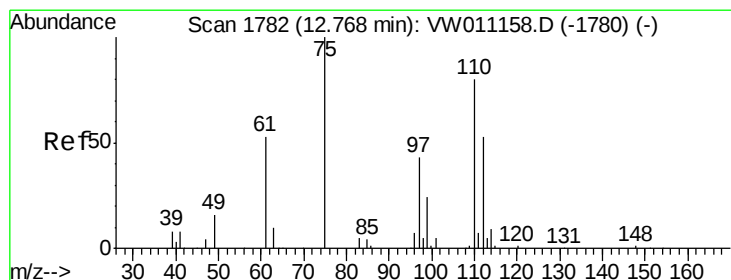
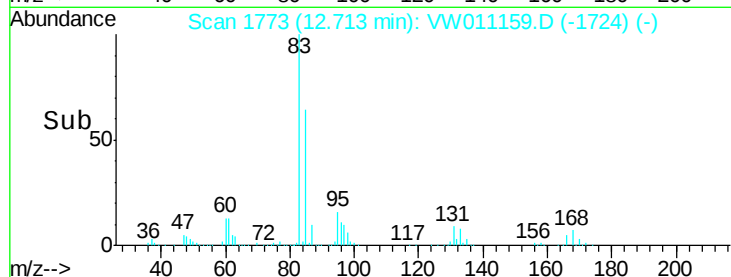
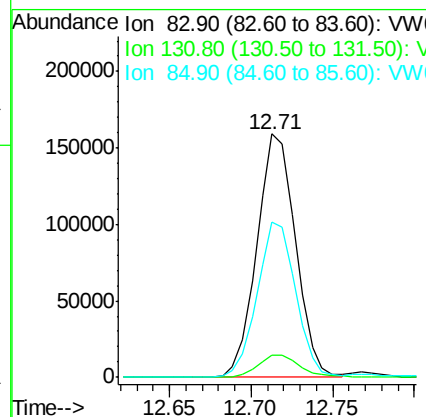
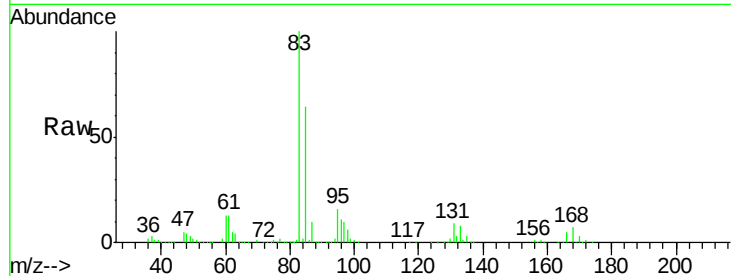
#75
 1,1,2,2-Tetrachloroethane
 Concen: 101.171 ug/l
 RT: 12.71 min Scan# 1773
 Delta R.T. 0.00 min
 Lab File: VW011159.D
 Acq: 08 Jul 2019 12:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.0	15.0
85	63.6	31.6	94.8

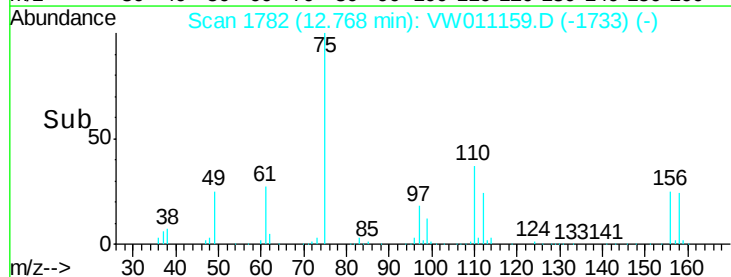
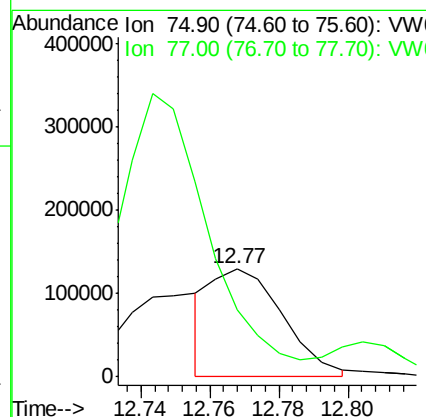
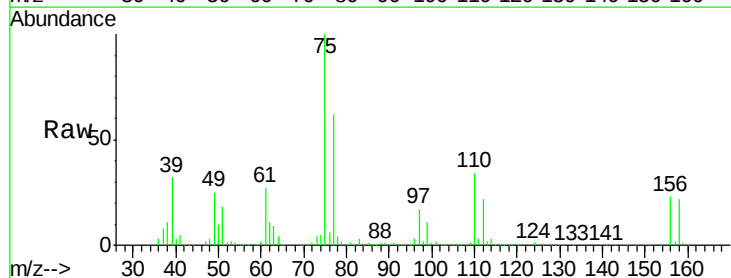
Manual Integrations
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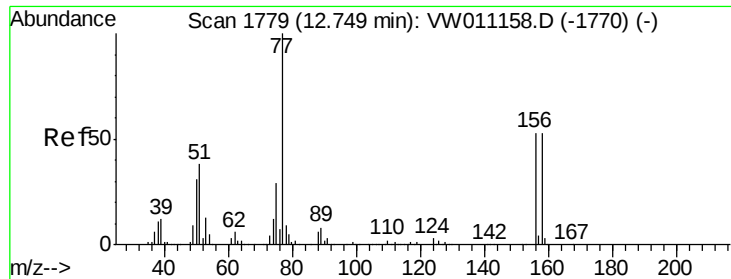
MMDadoda
 7/9/2019 4:12:57 PM



#76
 1,2,3-Trichloropropane
 Concen: 95.662 ug/l m
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW011159.D
 Acq: 08 Jul 2019 12:28

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 100.737 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW011159.D

Acq: 08 Jul 2019 12:28

Instrument :

MSVOA_W

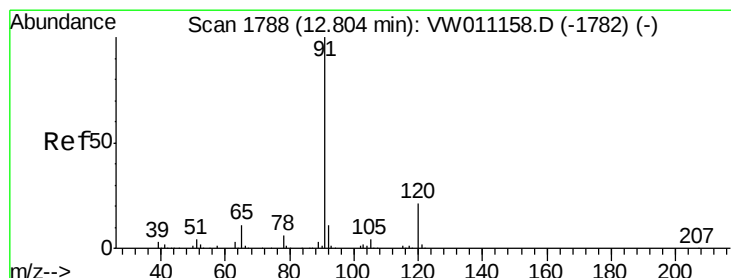
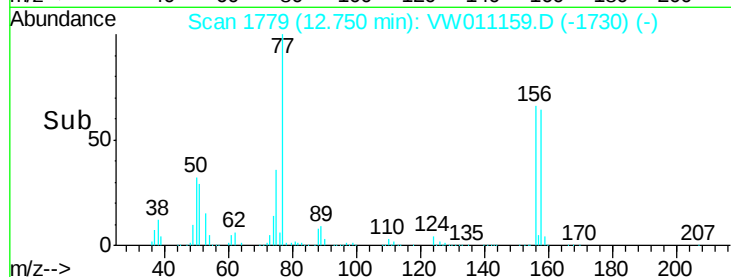
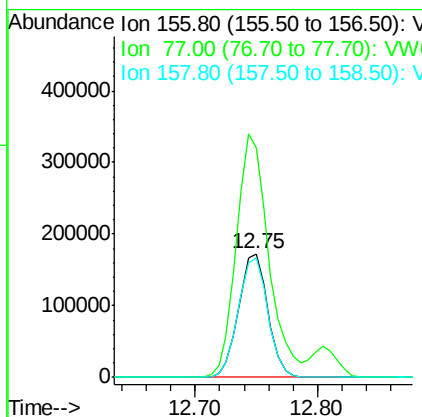
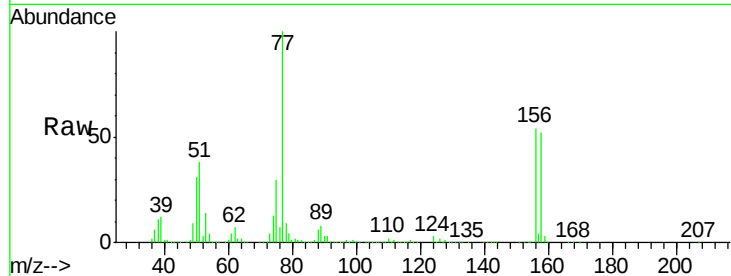
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
156	100		
77	217.1	109.0	327.0
158	97.2	48.8	146.3

Manual Integrations
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#78

n-propylbenzene

Concen: 99.289 ug/l

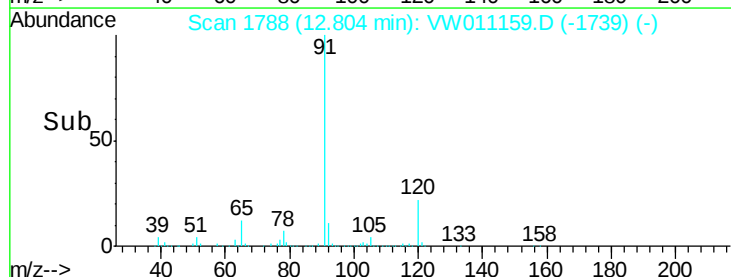
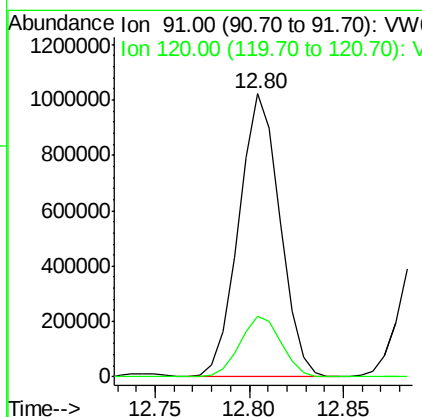
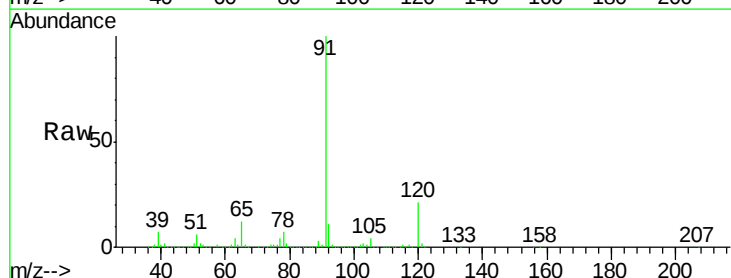
RT: 12.80 min Scan# 1788

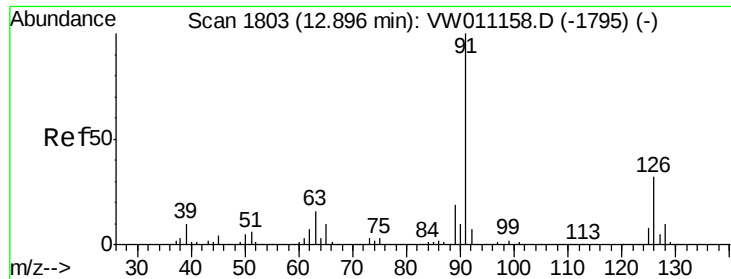
Delta R.T. 0.00 min

Lab File: VW011159.D

Acq: 08 Jul 2019 12:28

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.8	32.3





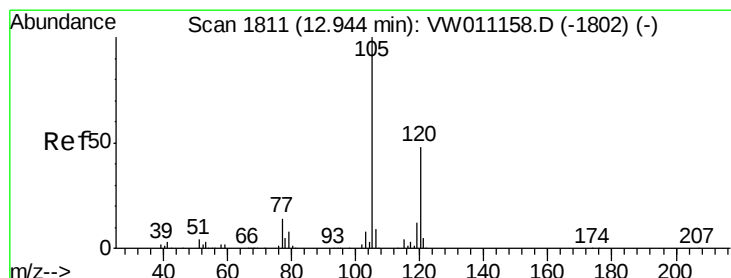
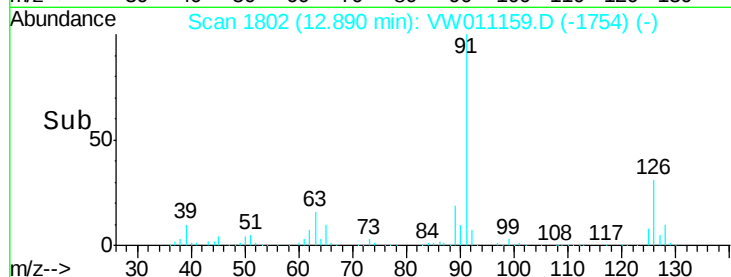
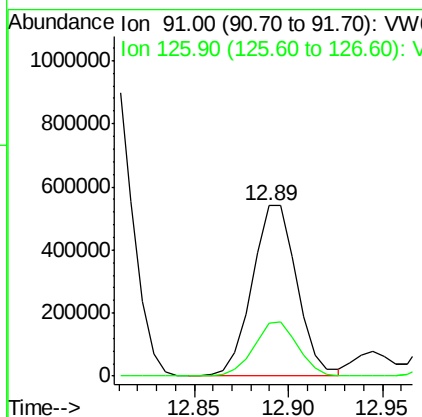
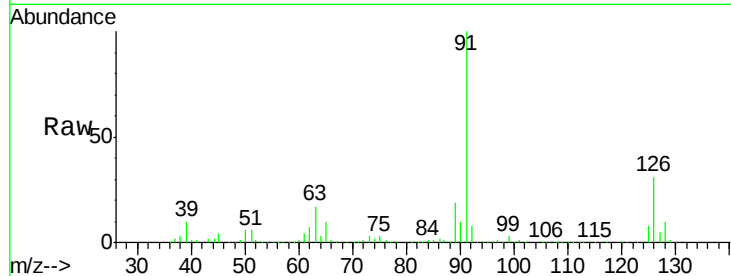
#79
2-Chlorotoluene
Concen: 99.612 ug/l
RT: 12.89 min Scan# 1802
Delta R.T. -0.01 min
Lab File: VW011159.D
Acq: 08 Jul 2019 12:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 893008
Ion Ratio Lower Upper
91 100
126 31.0 15.8 47.3

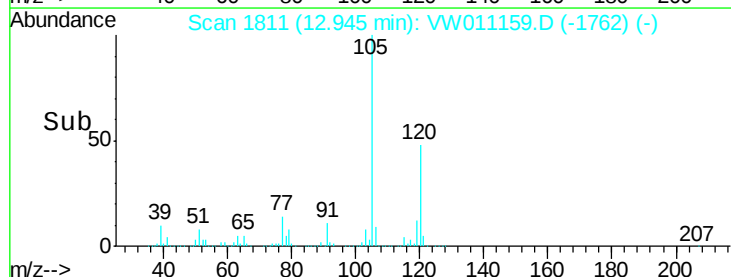
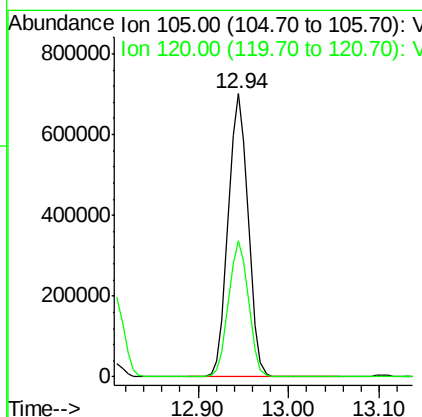
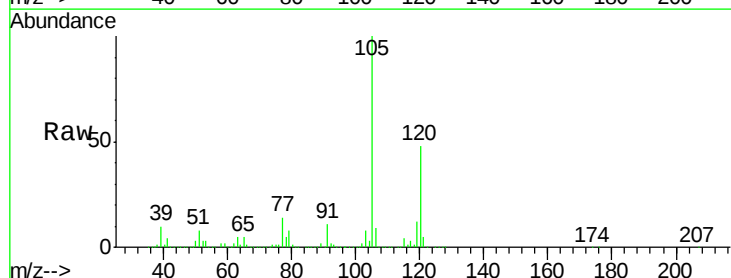
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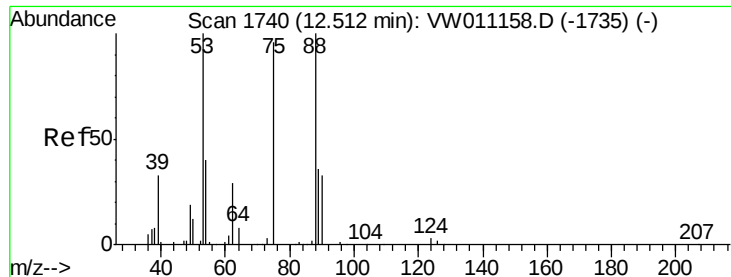
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 99.692 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW011159.D
Acq: 08 Jul 2019 12:28

Tgt Ion: 105 Resp: 1071083
Ion Ratio Lower Upper
105 100
120 47.8 24.1 72.2





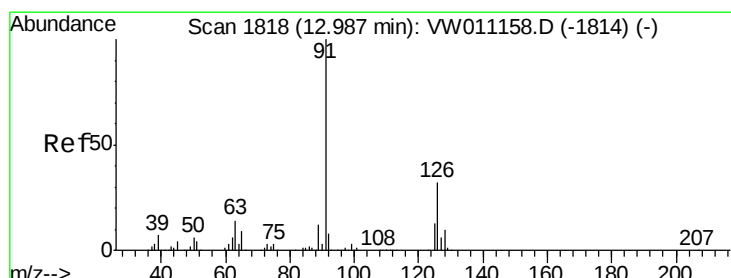
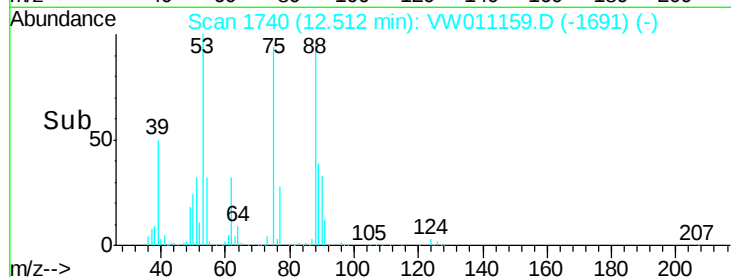
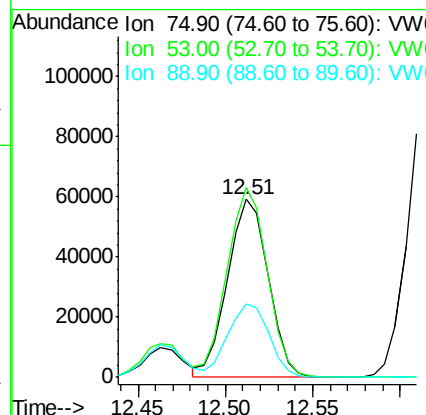
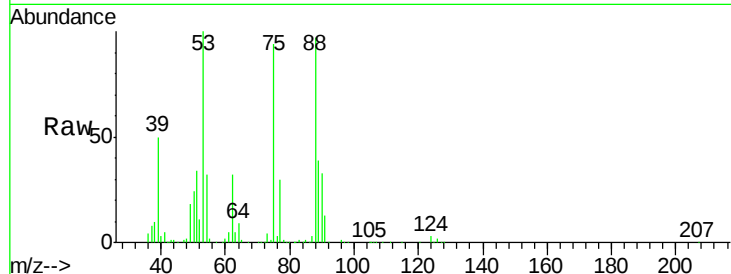
#81
trans-1,4-Dichloro-2-butene
Concen: 110.034 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW011159.D
Acq: 08 Jul 2019 12:28

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	106.1	89.8	134.6
89	41.9	34.3	51.5

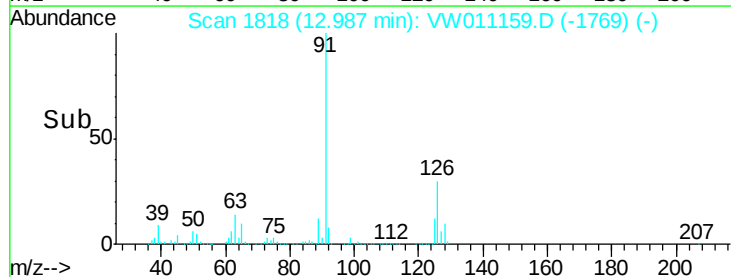
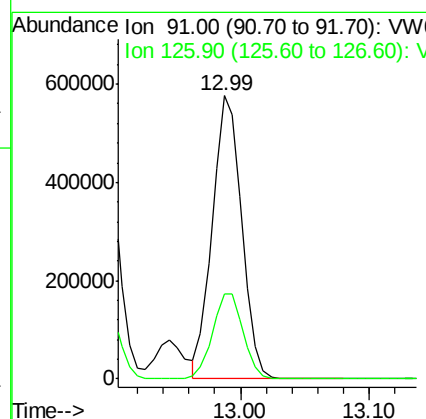
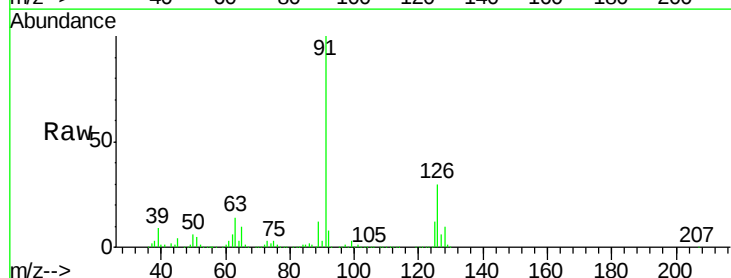
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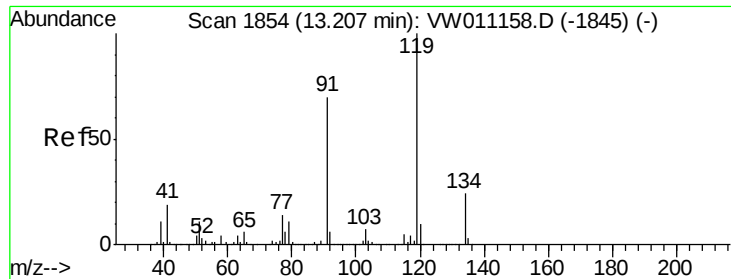
MMDadoda
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#82
4-Chlorotoluene
Concen: 98.468 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW011159.D
Acq: 08 Jul 2019 12:28

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.7	47.1





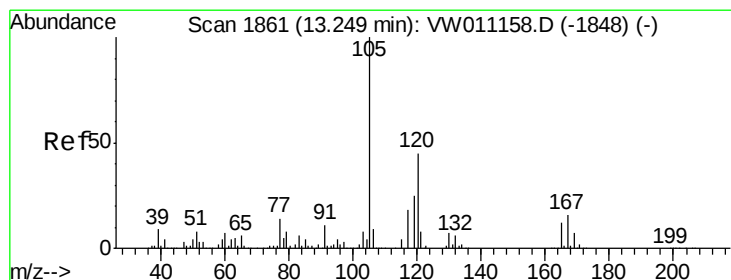
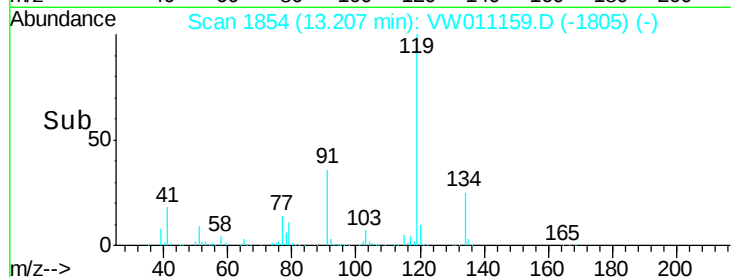
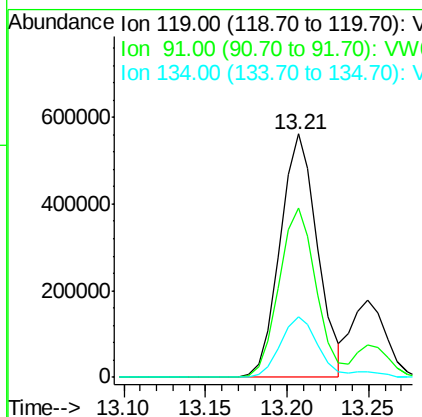
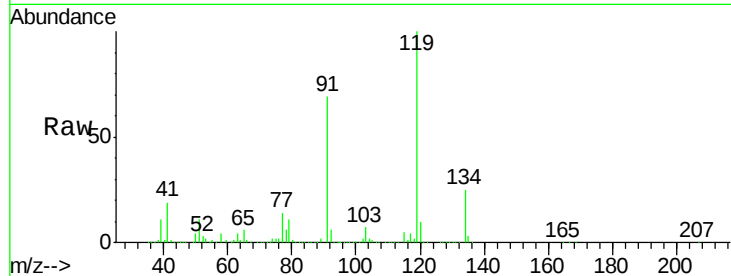
#83
tert-Butylbenzene
Concen: 99.766 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW011159.D
Acq: 08 Jul 2019 12:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
119	100	893944		
91	70.1	35.4	106.3	
134	25.0	13.4	40.2	

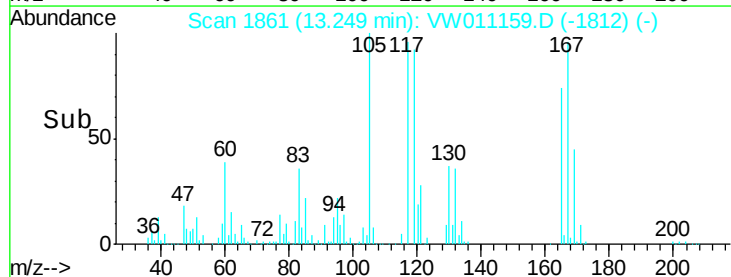
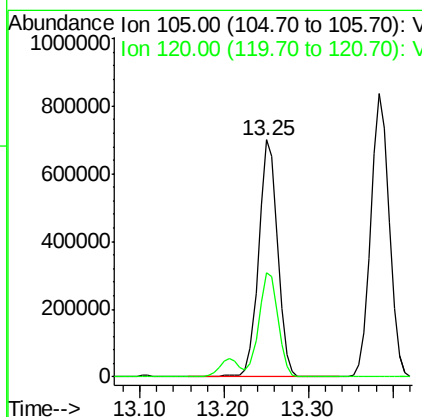
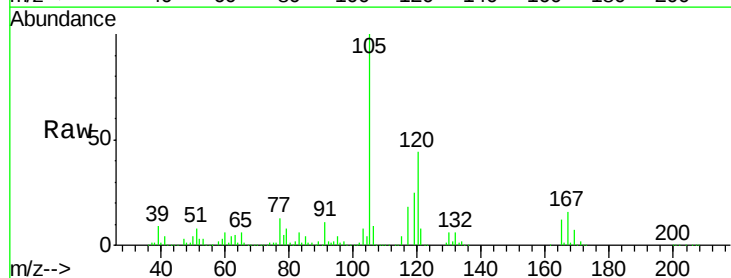
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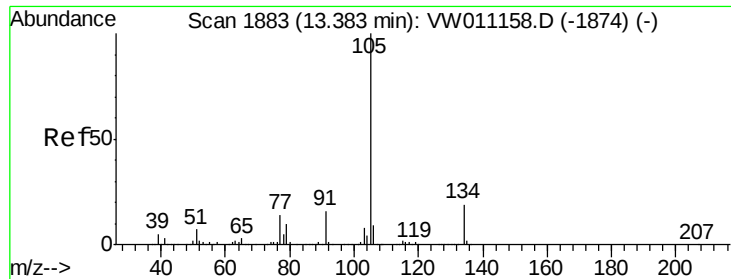
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 100.054 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW011159.D
Acq: 08 Jul 2019 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1079397		
120	44.4	22.3	66.9	





#85

sec-Butylbenzene

Concen: 98.657 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW011159.D

Acq: 08 Jul 2019 12:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1275571

Ion Ratio Lower Upper

105 100

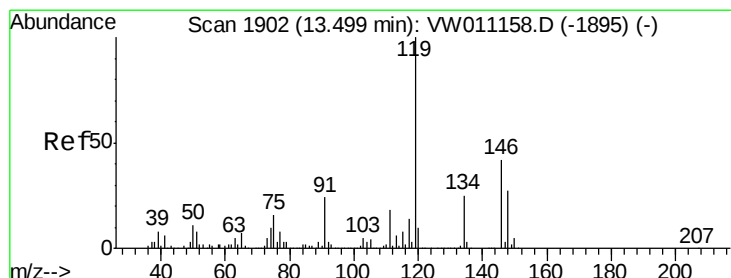
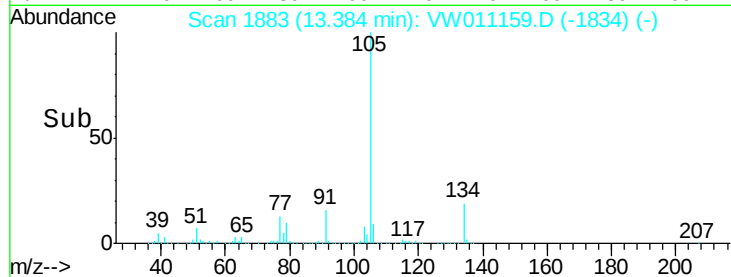
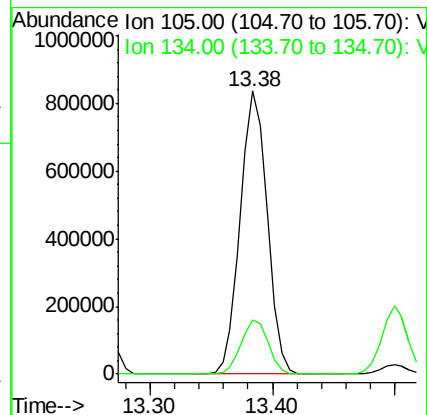
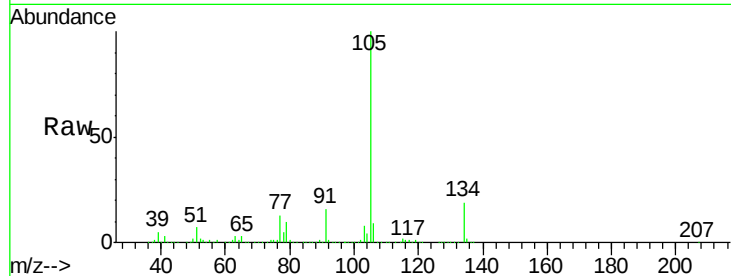
134 19.4 9.7 28.9

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 100.169 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011159.D

Acq: 08 Jul 2019 12:28

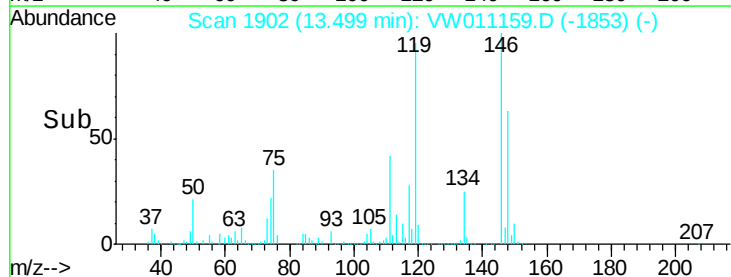
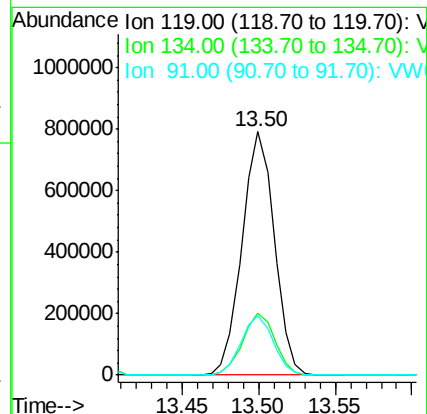
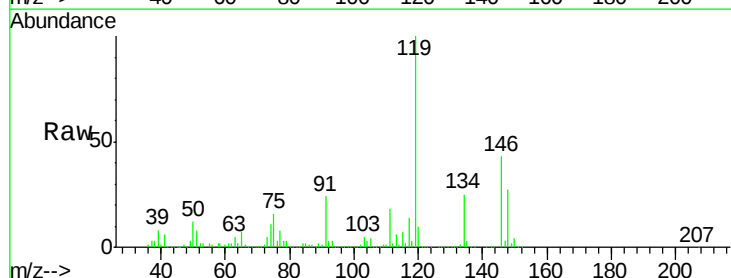
Tgt Ion:119 Resp: 1161624

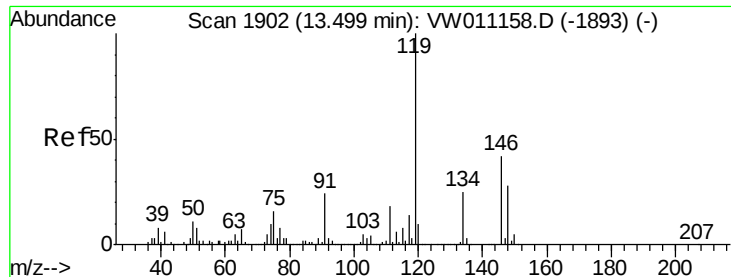
Ion Ratio Lower Upper

119 100

134 25.5 12.9 38.6

91 24.2 12.3 36.8





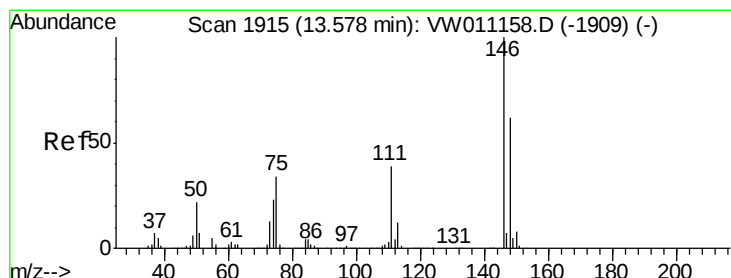
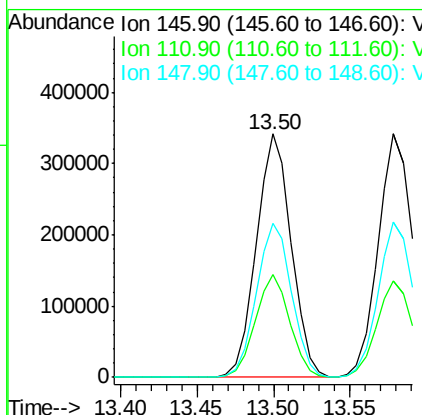
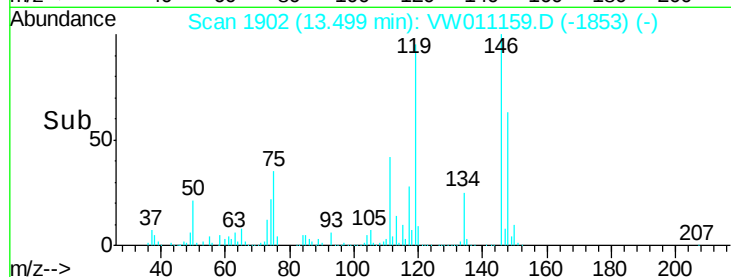
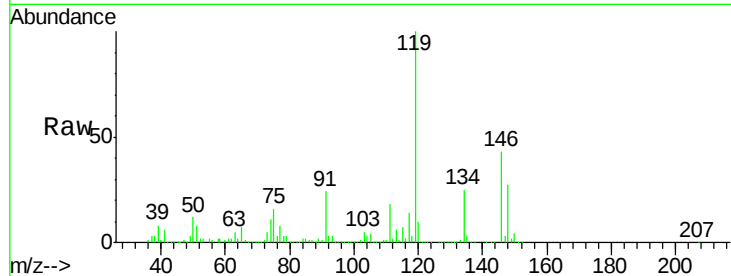
#87
 1,3-Dichlorobenzene
 Concen: 99.198 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011159.D
 Acq: 08 Jul 2019 12:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.1	63.1
148	63.8	32.6	97.7

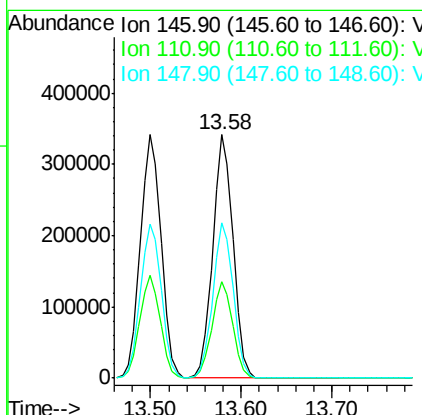
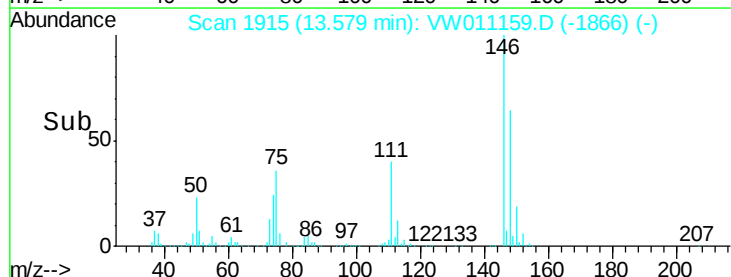
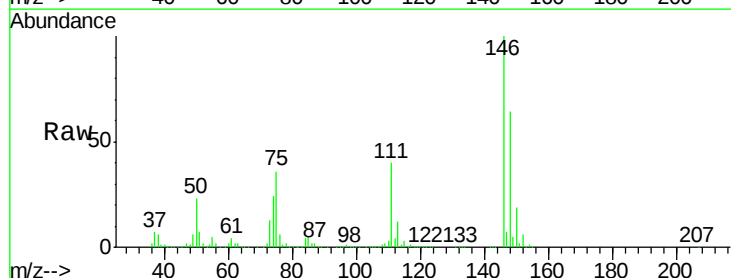
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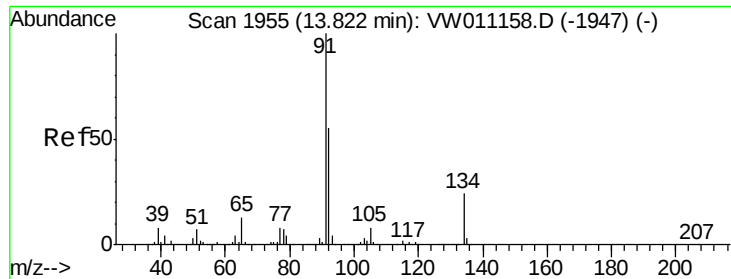
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#88
 1,4-Dichlorobenzene
 Concen: 97.657 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW011159.D
 Acq: 08 Jul 2019 12:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.9	59.7
148	64.0	31.5	94.5





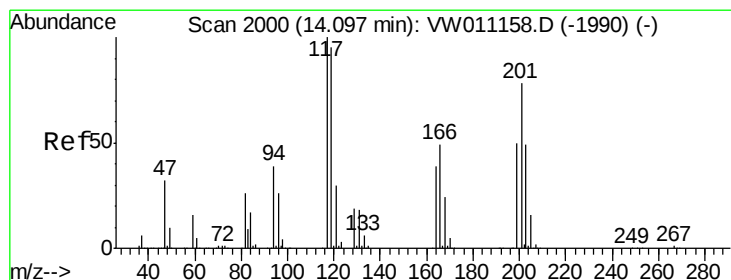
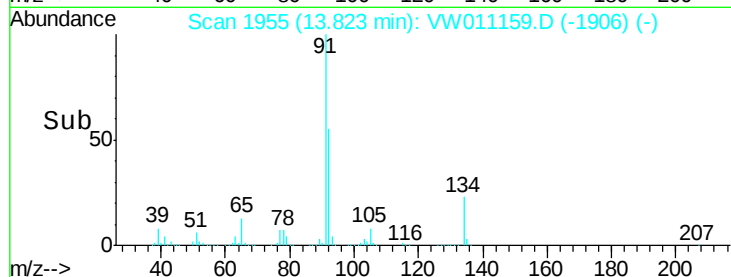
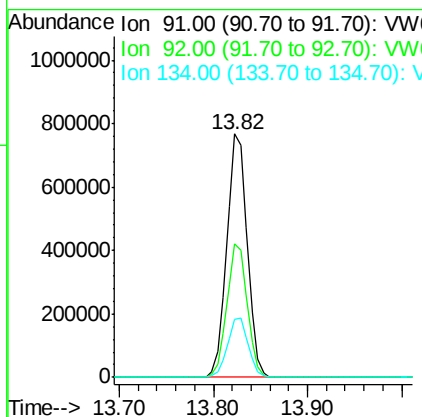
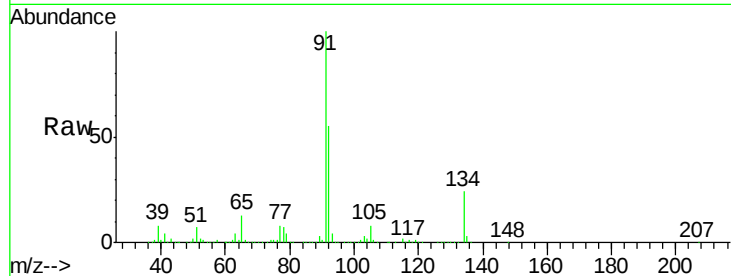
#89
n-Butylbenzene
Concen: 99.636 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW011159.D
Acq: 08 Jul 2019 12:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.7	26.9	80.7
134	24.6	12.2	36.4

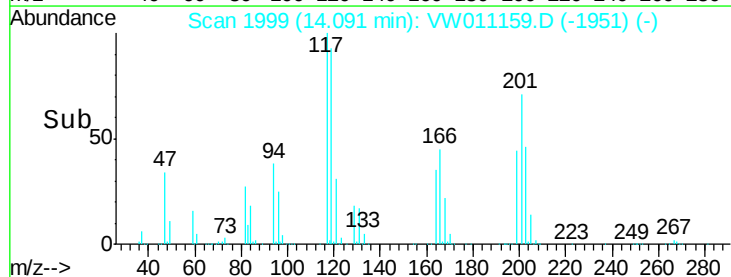
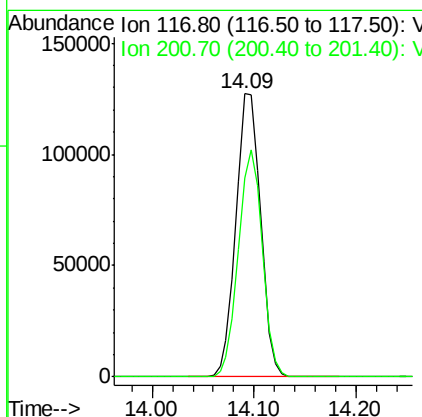
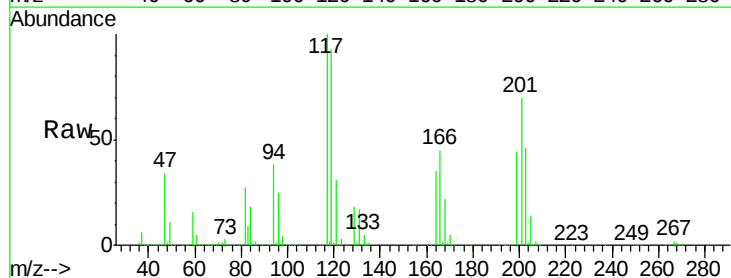
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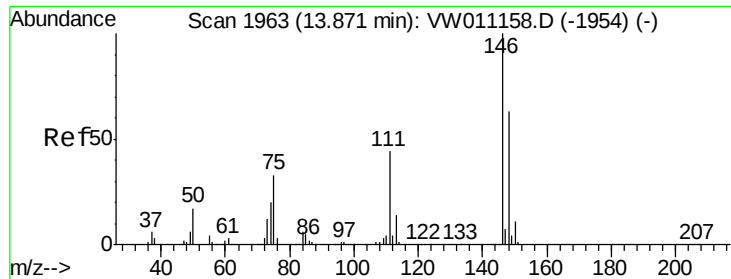
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#90
Hexachloroethane
Concen: 100.267 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.01 min
Lab File: VW011159.D
Acq: 08 Jul 2019 12:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.9	38.3	114.8





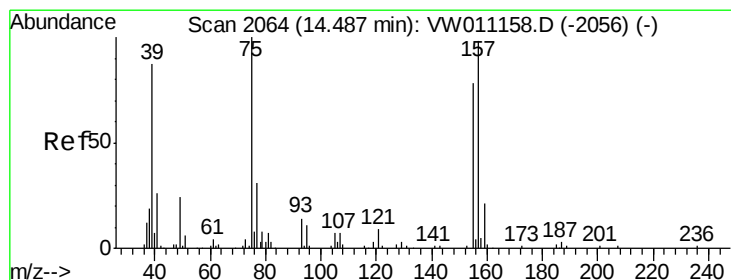
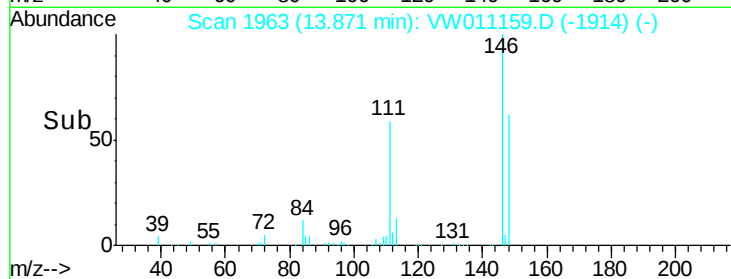
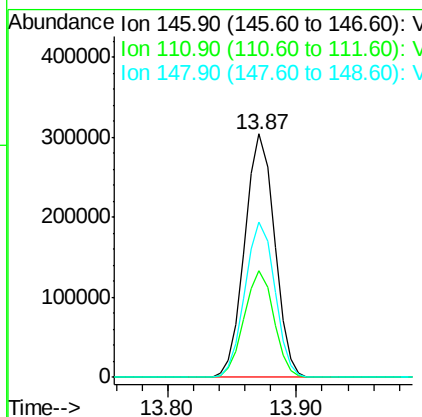
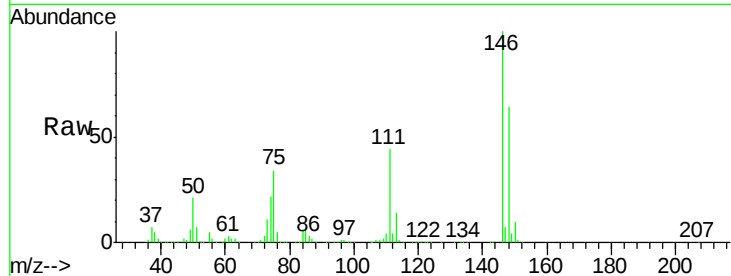
#91
 1,2-Dichlorobenzene
 Concen: 98.557 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011159.D
 Acq: 08 Jul 2019 12:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.6	65.0
148	64.0	31.9	95.5

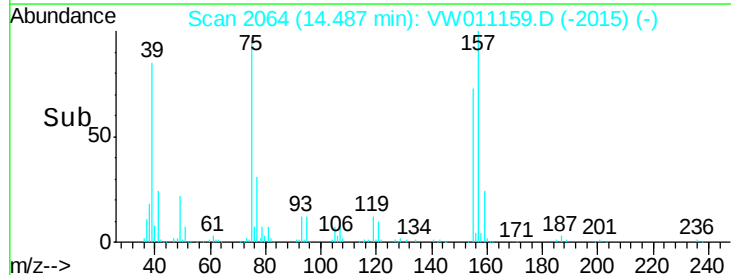
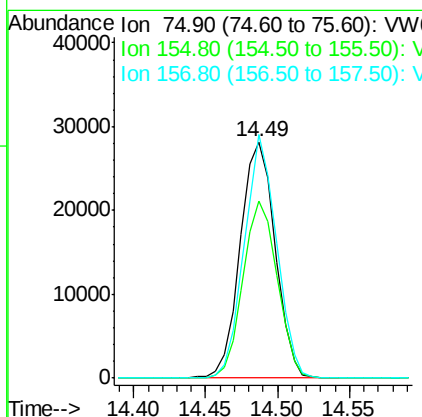
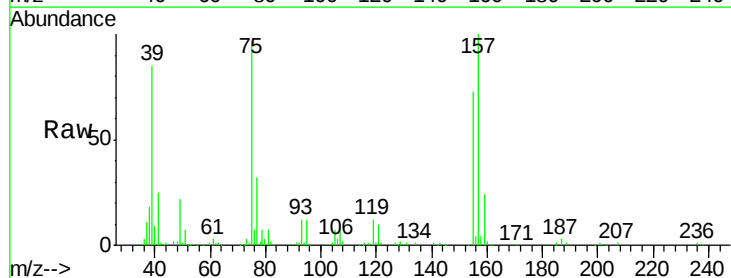
Manual Integrations
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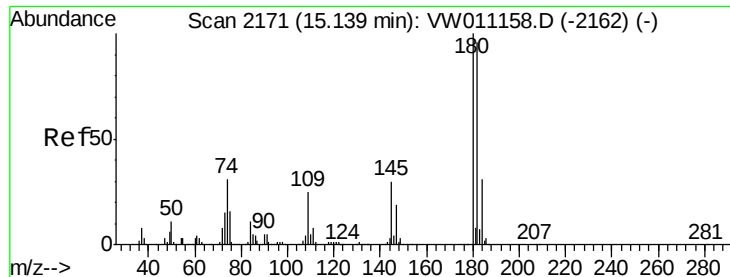
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 102.934 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW011159.D
 Acq: 08 Jul 2019 12:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.7	37.1	111.3
157	94.8	48.5	145.6





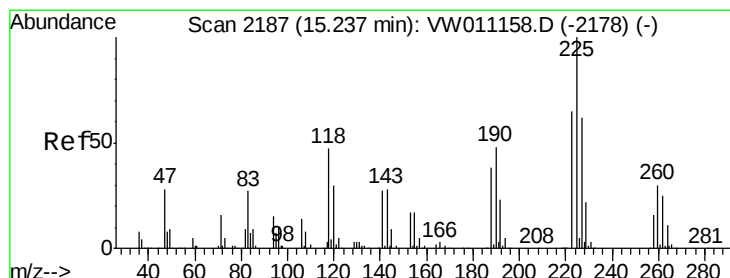
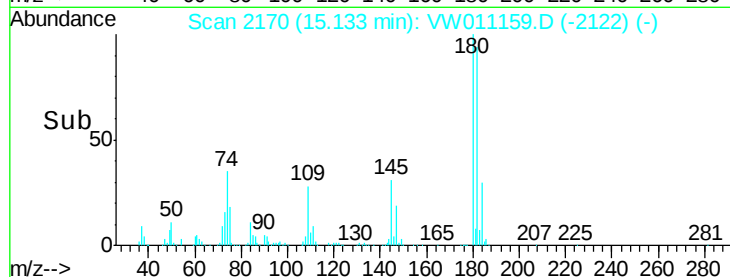
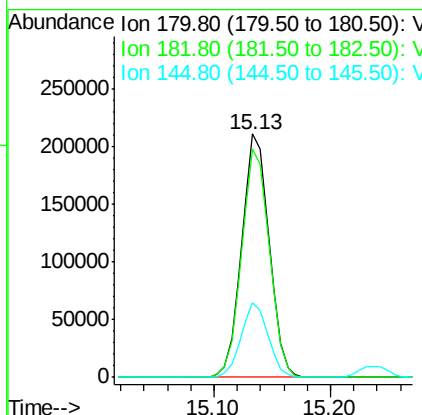
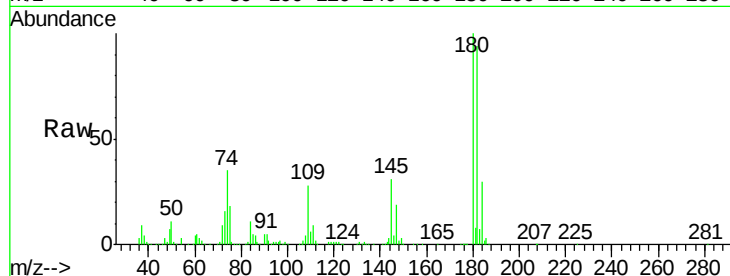
#93
 1,2,4-Trichlorobenzene
 Concen: 102.154 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW011159.D
 Acq: 08 Jul 2019 12:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.7	48.3	144.9	
145	30.2	15.5	46.5	

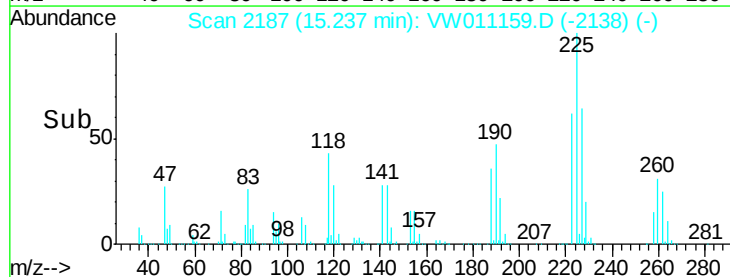
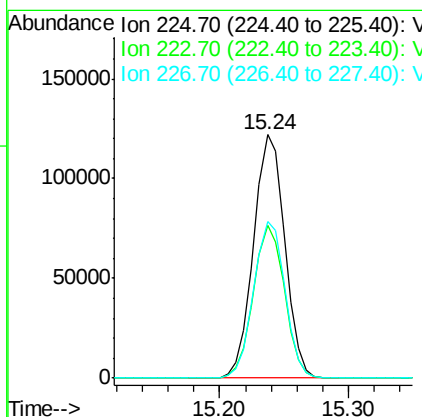
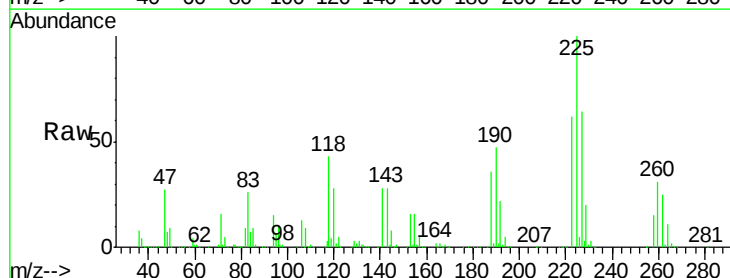
Manual Integrations
 APPROVED

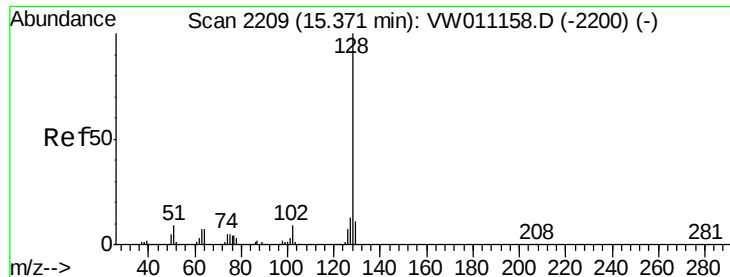
MMDadoda
 7/9/2019 4:12:57 PM



#94
 Hexachlorobutadiene
 Concen: 97.220 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW011159.D
 Acq: 08 Jul 2019 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.6	31.6	95.0	
227	64.5	32.0	96.0	





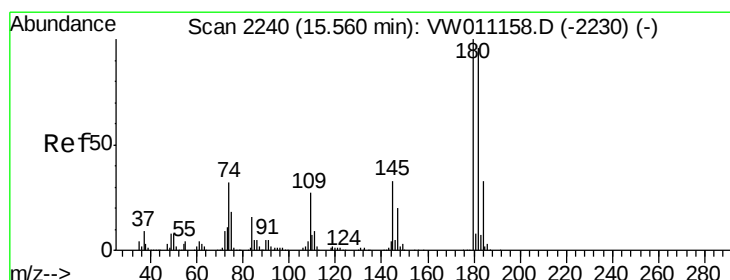
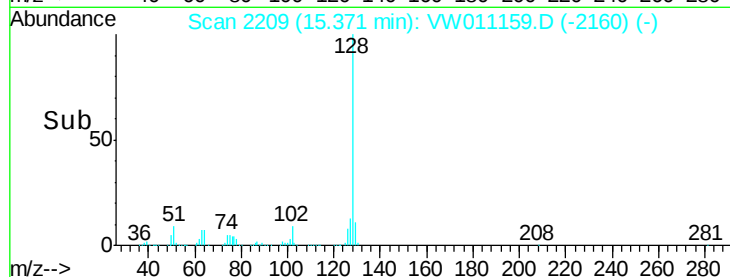
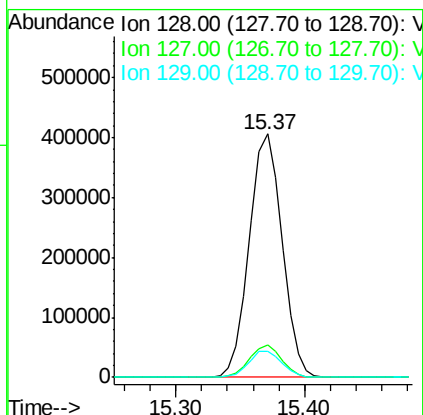
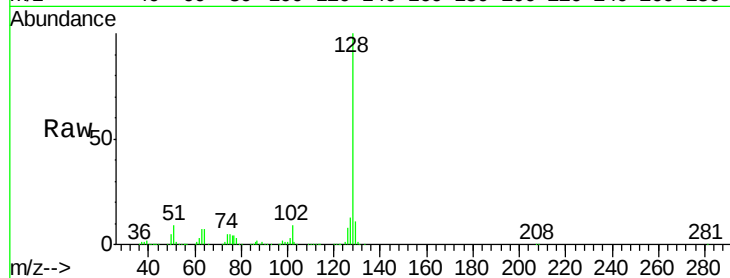
#95
Naphthalene
Concen: 109.195 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011159.D
Acq: 08 Jul 2019 12:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	16.0
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
7/9/2019 4:12:57 PM



#96
1,2,3-Trichlorobenzene
Concen: 102.663 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW011159.D
Acq: 08 Jul 2019 12:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.6	142.8
145	32.3	16.5	49.5

