

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111519\
 Data File : VN059252.D
 Acq On : 15 Nov 2019 10:12
 Operator : JC/SP
 Sample : VN1115WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1115WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/18/2019 3:10:14 PM

Quant Time: Nov 15 15:20:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	401198	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	621207	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	561944	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	258612	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	228555	46.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.68%	
35) Dibromofluoromethane	7.57	113	187134	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
50) Toluene-d8	10.08	98	694986	47.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.14%	
62) 4-Bromofluorobenzene	12.40	95	252508	47.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	74842	18.515	ug/l	98
3) Chloromethane	2.04	50	99182	18.050	ug/l	98
4) Vinyl Chloride	2.17	62	101226	19.001	ug/l	99
5) Bromomethane	2.54	94	60592	19.765	ug/l	100
6) Chloroethane	2.68	64	62287	19.765	ug/l	100
7) Trichlorofluoromethane	3.00	101	131299	20.606	ug/l	97
8) Diethyl Ether	3.39	74	55340	21.374	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	79240	20.625	ug/l	99
10) Methyl Iodide	3.93	142	92433	19.437	ug/l	99
11) Tert butyl alcohol	4.75	59	105990	112.769	ug/l	100
12) 1,1-Dichloroethene	3.71	96	75713	20.230	ug/l	99
13) Acrolein	3.58	56	30415	62.765	ug/l	99
14) Allyl chloride	4.30	41	154413	20.086	ug/l	98
15) Acrylonitrile	4.96	53	265610	113.554	ug/l	100
16) Acetone	3.79	43	220044	85.800	ug/l	96
17) Carbon Disulfide	4.03	76	199845	17.202	ug/l	99
18) Methyl Acetate	4.30	43	140963	23.157	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	278140	21.586	ug/l	98
20) Methylene Chloride	4.52	84	92675	20.742	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	83693	20.833	ug/l	95
22) Diisopropyl ether	5.93	45	308047	21.214	ug/l	97
23) Vinyl Acetate	5.87	43	1265663	112.464	ug/l	100
24) 1,1-Dichloroethane	5.82	63	170029	20.965	ug/l	98
25) 2-Butanone	6.81	43	349266	103.333	ug/l	97
26) 2,2-Dichloropropane	6.80	77	146615	20.674	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	98162	21.062	ug/l	98
28) Bromochloromethane	7.17	49	48751	19.980	ug/l	97
29) Tetrahydrofuran	7.19	42	237659	110.660	ug/l	99
30) Chloroform	7.35	83	168301	21.632	ug/l	99
31) Cyclohexane	7.63	56	142883	18.610	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	140949	21.548	ug/l	99
36) 1,1-Dichloropropene	7.77	75	121049	20.847	ug/l	99
37) Ethyl Acetate	6.90	43	145153	22.471	ug/l	99
38) Carbon Tetrachloride	7.75	117	119582	20.691	ug/l	96

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

39) Methylcyclohexane	9.07	83	132507	19.663	ug/l	98
40) Benzene	8.02	78	368265	21.061	ug/l	100
41) Methacrylonitrile	7.15	41	55066	19.604	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	128449	21.419	ug/l	100
43) Isopropyl Acetate	8.15	43	220527	21.414	ug/l	99
44) Trichloroethene	8.82	130	89779	20.888	ug/l	97
45) 1,2-Dichloropropane	9.10	63	103790	21.854	ug/l	96
46) Dibromomethane	9.19	93	62428	21.094	ug/l	98
47) Bromodichloromethane	9.39	83	126270	21.367	ug/l	95
48) Methyl methacrylate	9.19	41	94610	20.539	ug/l	96
49) 1,4-Dioxane	9.18	88	38988	476.270	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	708461	121.584	ug/l	99
52) Toluene	10.15	92	222973	21.276	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	143648	21.039	ug/l	95
54) cis-1,3-Dichloropropene	9.83	75	156299	21.282	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	92922	21.908	ug/l	99
56) Ethyl methacrylate	10.42	69	137147	20.534	ug/l	97
57) 1,3-Dichloropropane	10.70	76	161540	22.129	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	261886	110.947	ug/l	100
59) 2-Hexanone	10.74	43	510442	114.130	ug/l	99
60) Dibromochloromethane	10.90	129	98663	22.001	ug/l	99
61) 1,2-Dibromoethane	11.00	107	93302	21.730	ug/l	100
64) Tetrachloroethene	10.63	164	79816	20.888	ug/l	98
65) Chlorobenzene	11.43	112	245798	22.438	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	91426	22.249	ug/l	99
67) Ethyl Benzene	11.51	91	423806	21.806	ug/l	100
68) m/p-Xylenes	11.62	106	313314	43.035	ug/l	99
69) o-Xylene	11.94	106	150618	21.407	ug/l	98
70) Styrene	11.96	104	239125	21.610	ug/l	100
71) Bromoform	12.13	173	70562	22.076	ug/l #	99
73) Isopropylbenzene	12.25	105	409622	21.775	ug/l	100
74) N-amyl acetate	12.07	43	168292	21.113	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	146119	22.809	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	132661m	22.532	ug/l	
77) Bromobenzene	12.53	156	99771	21.110	ug/l	99
78) n-propylbenzene	12.59	91	463773	21.532	ug/l	100
79) 2-Chlorotoluene	12.67	91	280548	20.996	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	342850	21.509	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	47631	21.368	ug/l	98
82) 4-Chlorotoluene	12.77	91	283056	21.121	ug/l	98
83) tert-Butylbenzene	12.99	119	295316	21.453	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	337863	21.908	ug/l	99
85) sec-Butylbenzene	13.17	105	386528	21.591	ug/l	100
86) p-Isopropyltoluene	13.29	119	345270	21.842	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	171450	21.184	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	169431	20.924	ug/l	99
89) n-Butylbenzene	13.62	91	286048	20.675	ug/l	99
90) Hexachloroethane	13.88	117	67087	21.135	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	172251	21.636	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	27936	21.872	ug/l	98

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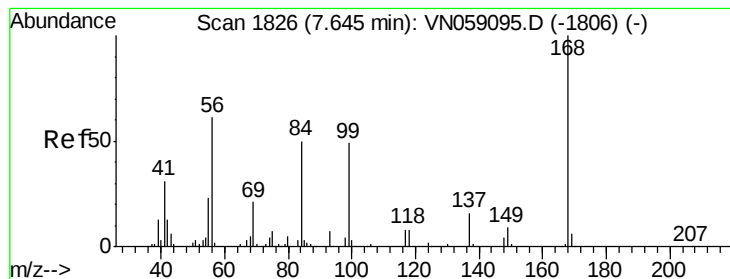
Manual Integrations
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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	87530	20.063	ug/l	100
94) Hexachlorobutadiene	15.01	225	58599	21.347	ug/l	98
95) Naphthalene	15.13	128	235737	19.564	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	91126	20.424	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059252.D

Acq: 15 Nov 2019 10:12

Instrument :

MSVOA_N

ClientSampleId :

VN1115WBS01

Tot Ion:168 Resp: 401198

Ion Ratio Lower Upper

168 100

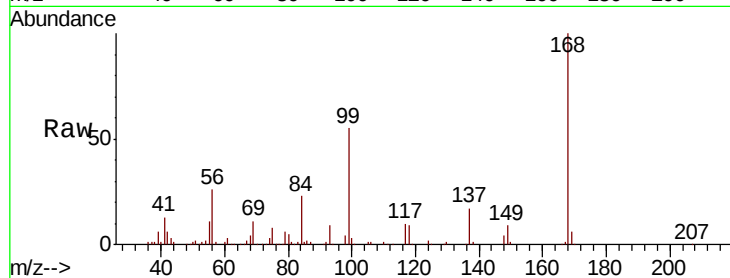
99 54.7 45.7 68.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

200000

150000

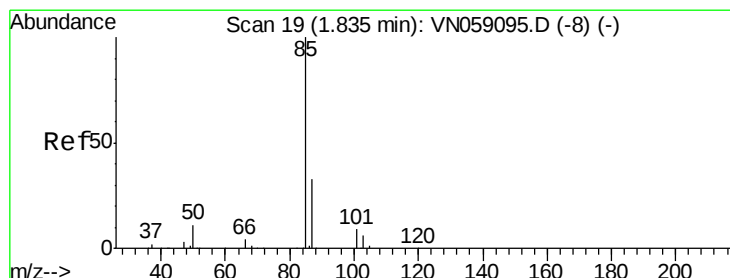
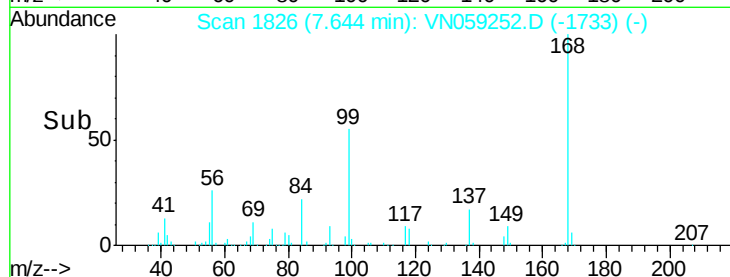
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50000

0

7.60 7.64 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.515 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059252.D

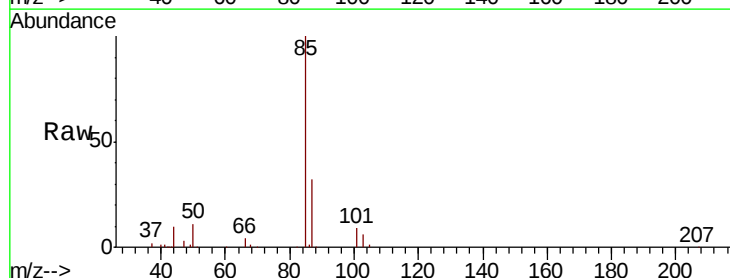
Acq: 15 Nov 2019 10:12

Tgt Ion: 85 Resp: 74842

Ion Ratio Lower Upper

85 100

87 31.6 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

60000

50000

40000

30000

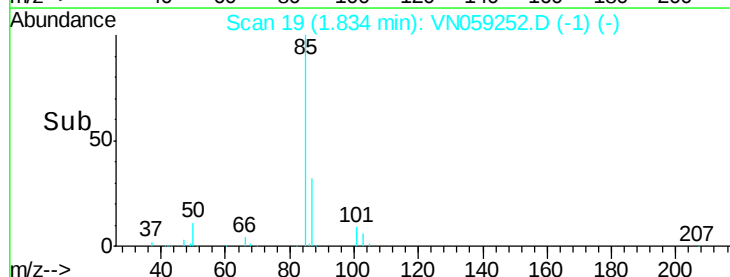
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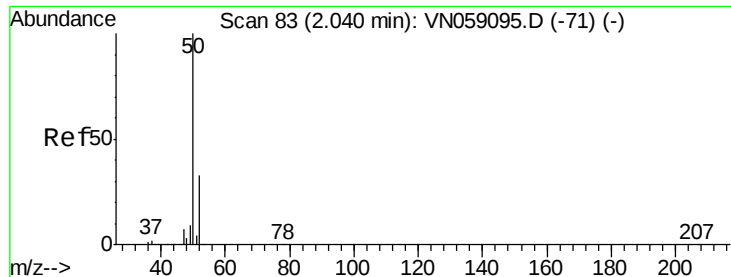
10000

0

1.75 1.80 1.83 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.050 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059252.D

Acq: 15 Nov 2019 10:12

Instrument :

MSVOA_N

ClientSampleId :

VN1115WBS01

Tot Ion: 50 Resp: 99182

Ion Ratio Lower Upper

50 100

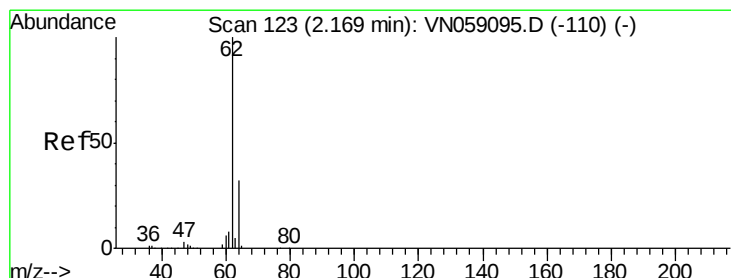
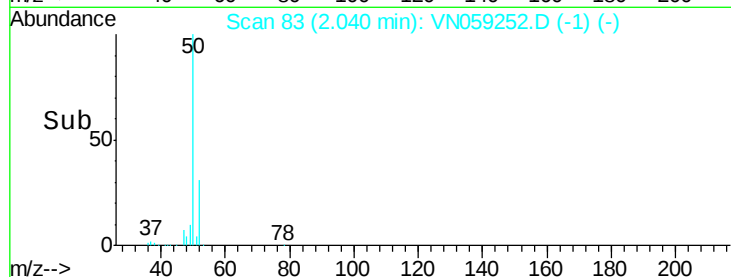
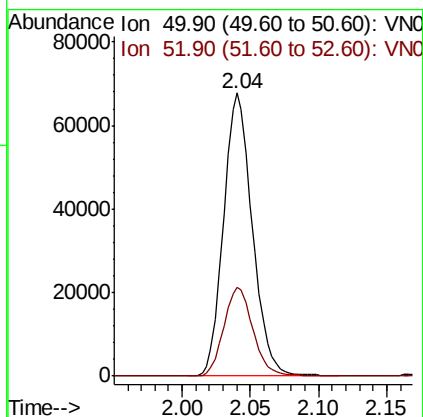
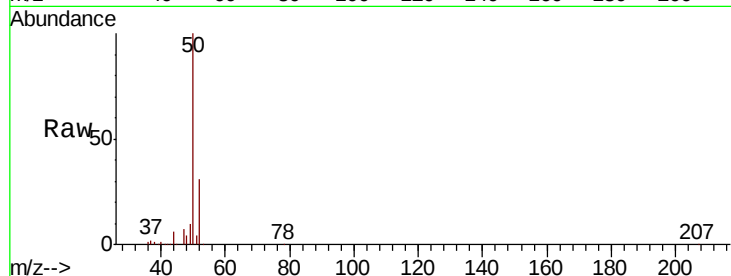
52 31.4 26.0 39.0

Manual Integrations

APPROVED

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#4

Vinyl Chloride

Concen: 19.001 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059252.D

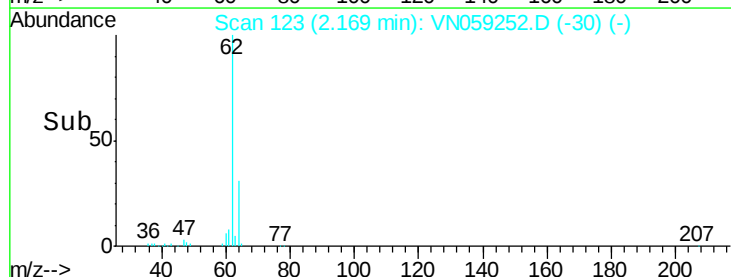
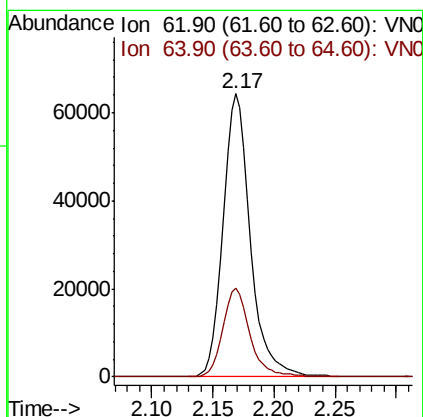
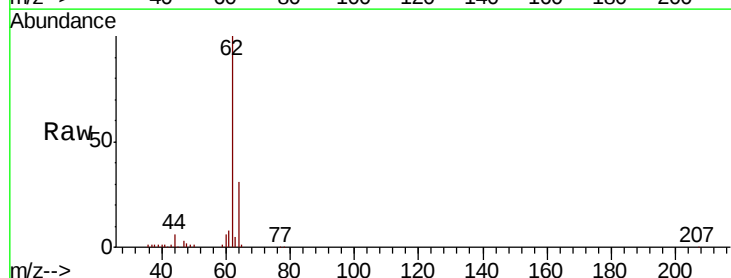
Acq: 15 Nov 2019 10:12

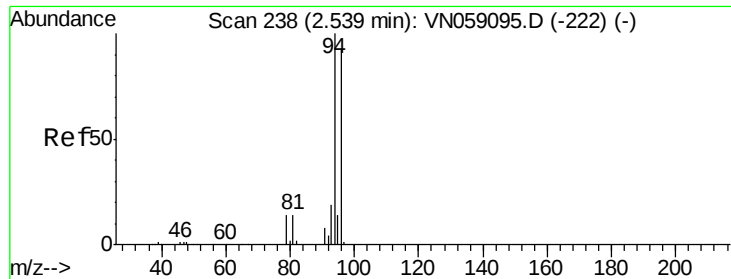
Tgt Ion: 62 Resp: 101226

Ion Ratio Lower Upper

62 100

64 31.4 25.4 38.2





#5

Bromomethane

Concen: 19.765 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN059252.D

Acq: 15 Nov 2019 10:12

Instrument :

MSVOA_N

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VN1115WBS01

Tot Ion: 94 Resp: 60592

Ion Ratio Lower Upper

94 100

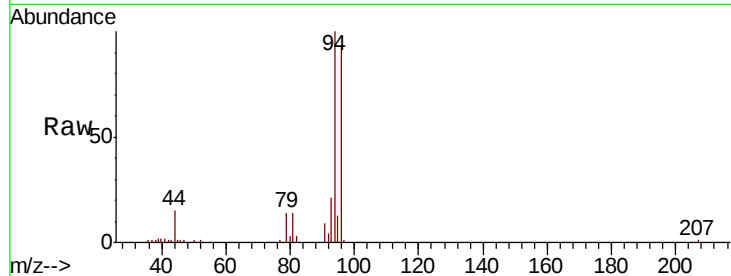
96 92.9 74.2 111.2

Manual Integrations

APPROVED

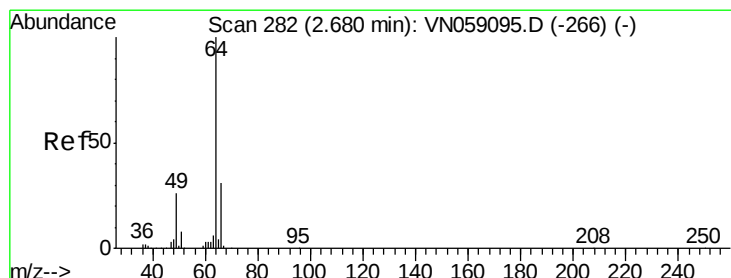
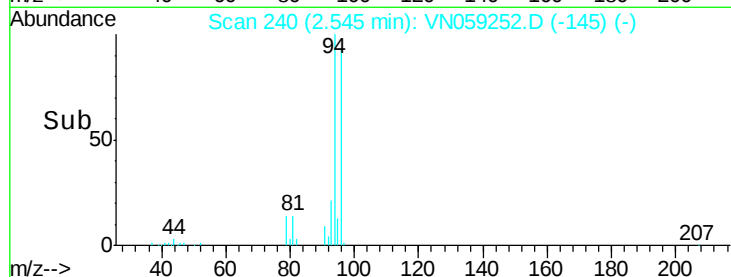
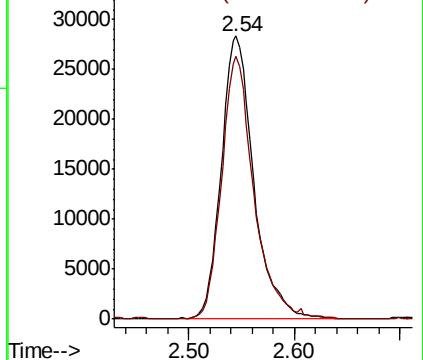
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.765 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059252.D

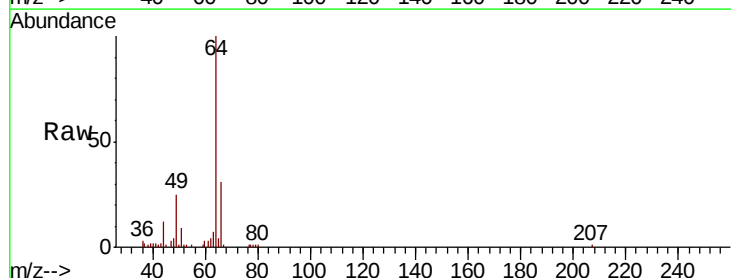
Acq: 15 Nov 2019 10:12

Tgt Ion: 64 Resp: 62287

Ion Ratio Lower Upper

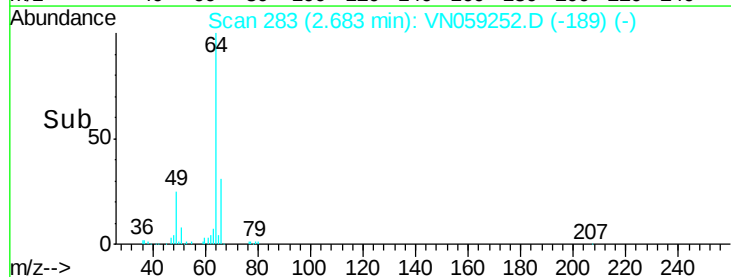
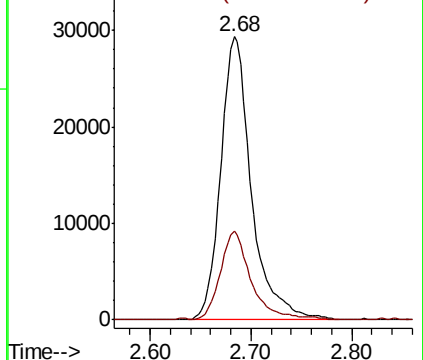
64 100

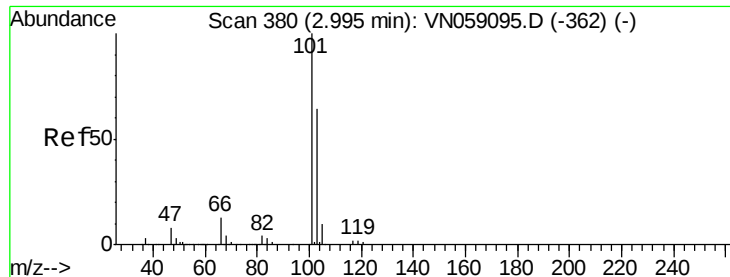
66 31.4 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

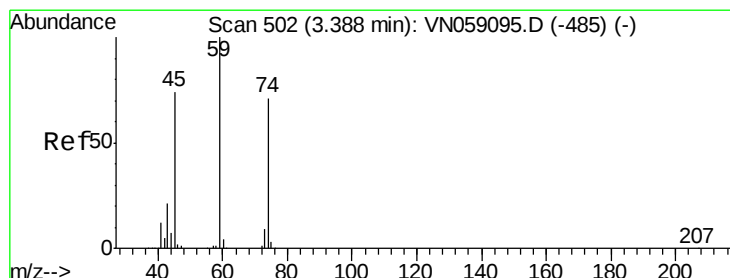
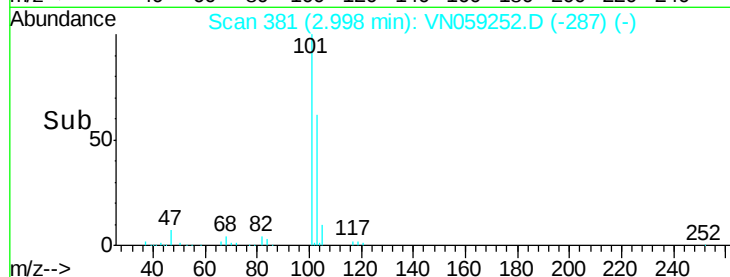
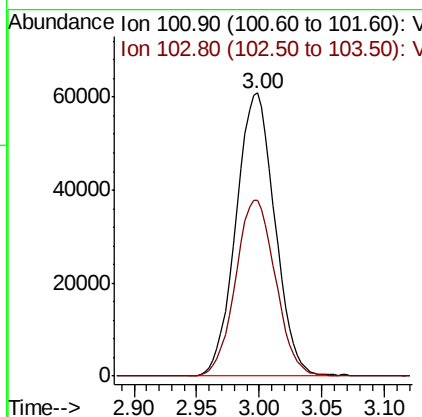
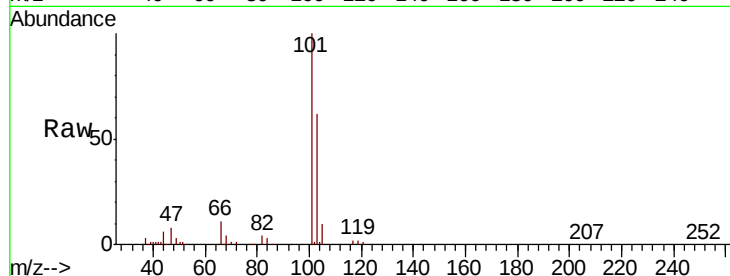
Trichlorofluoromethane
Concen: 20.606 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN059252.D
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		131299		
103	62.0	51.2	76.8		

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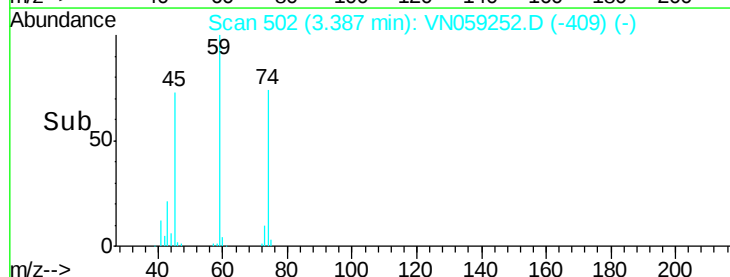
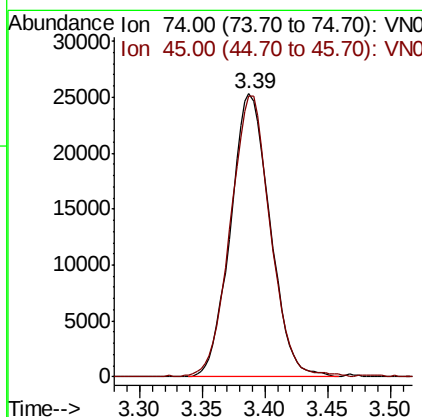
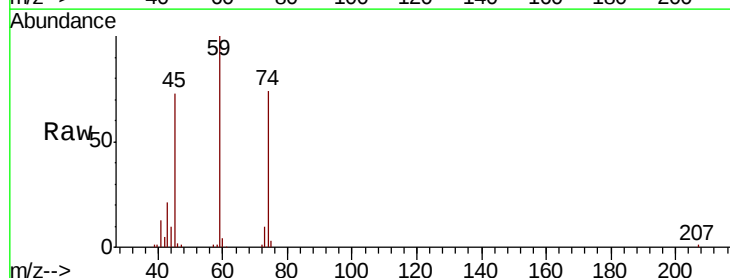
MMDadoda
11/18/2019 3:10:14 PM

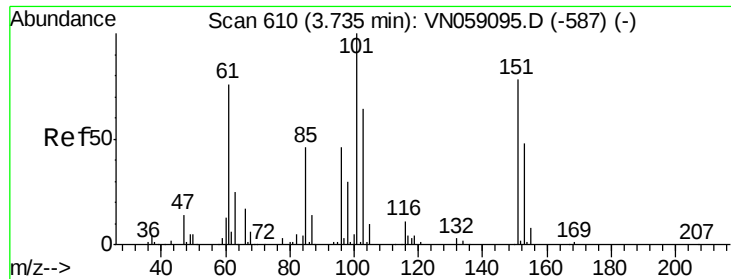


#8

Diethyl Ether
Concen: 21.374 ug/l
RT: 3.39 min Scan# 502
Delta R.T. -0.00 min
Lab File: VN059252.D
Acq: 15 Nov 2019 10:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		55340		
45	100.5	51.6	154.9		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.625 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN059252.D

Acq: 15 Nov 2019 10:12

Instrument :

MSVOA_N

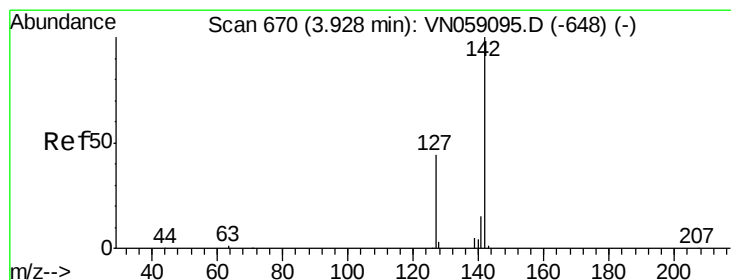
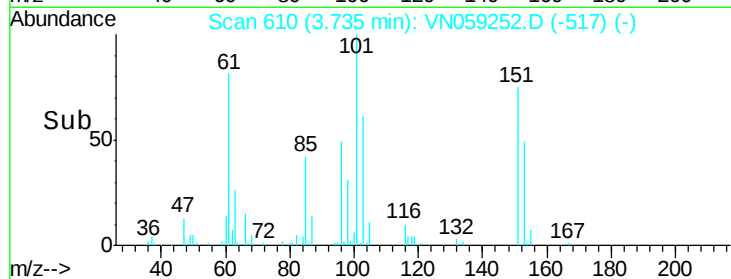
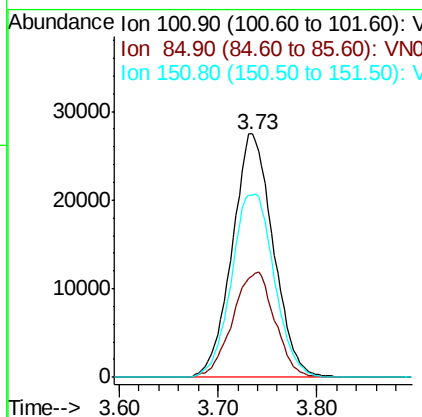
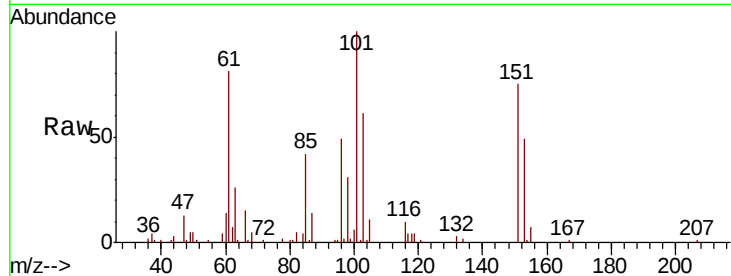
ClientSampleId :

VN1115WBS01

Tot Ion:	101	Resp:	79240
Ion Ratio	Lower	Upper	
101	100		
85	44.4	35.5	53.3
151	78.4	62.2	93.2

Manual Integrations
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#10

Methyl Iodide

Concen: 19.437 ug/l

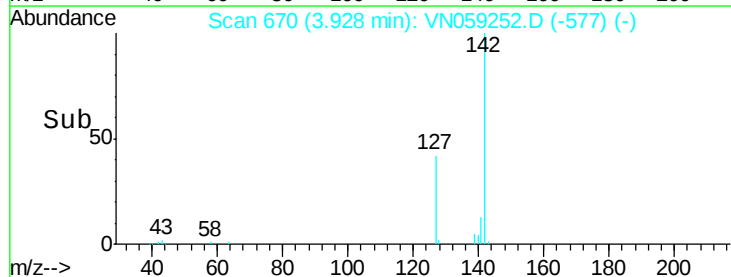
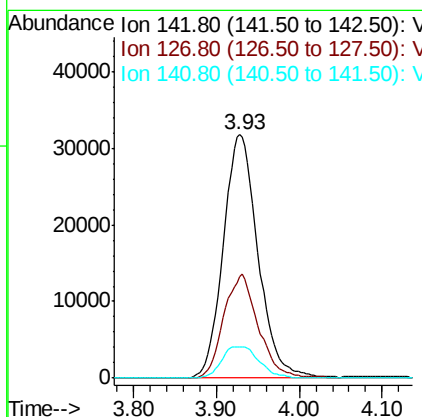
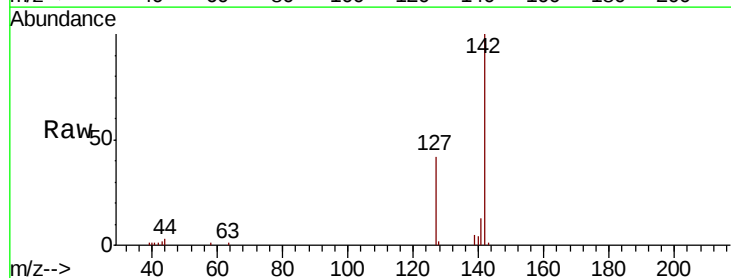
RT: 3.93 min Scan# 670

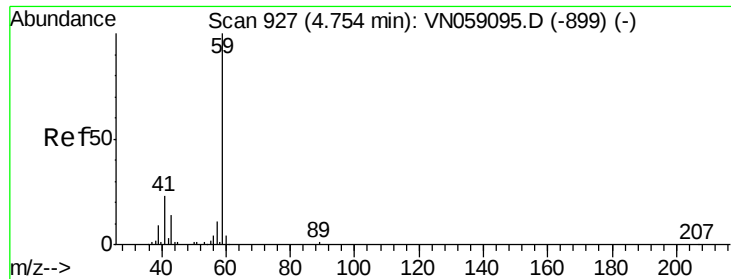
Delta R.T. -0.00 min

Lab File: VN059252.D

Acq: 15 Nov 2019 10:12

Tgt Ion:	142	Resp:	92433
Ion Ratio	Lower	Upper	
142	100		
127	42.1	34.2	51.2
141	13.9	11.4	17.0





#11

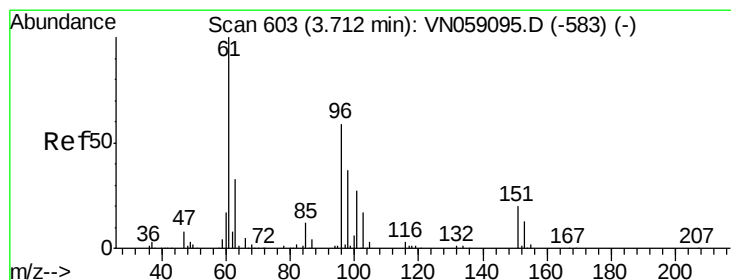
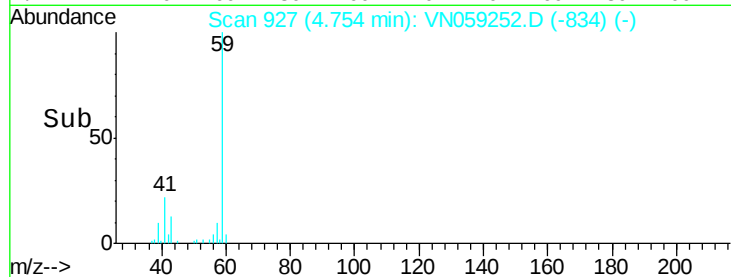
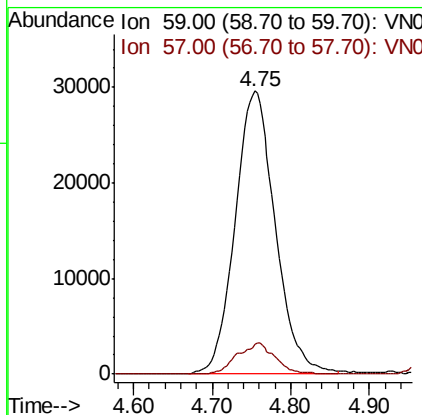
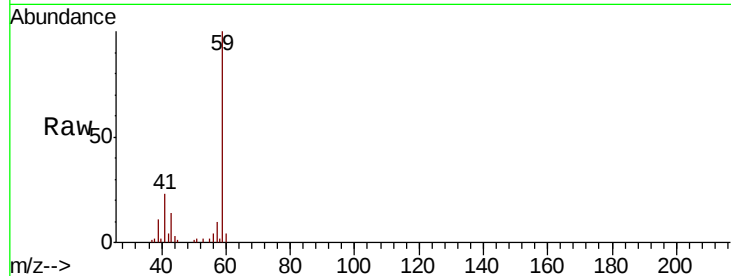
Tert butyl alcohol
Concen: 112.769 ug/l
RT: 4.75 min Scan# 927
Delta R.T. -0.00 min
Lab File: VN059252.D
Acq: 15 Nov 2019 10:12

Instrument :
MSVOA_N
ClientSampleId :
VN1115WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.3	12.5

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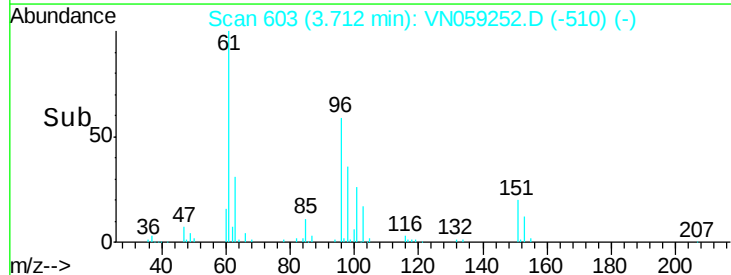
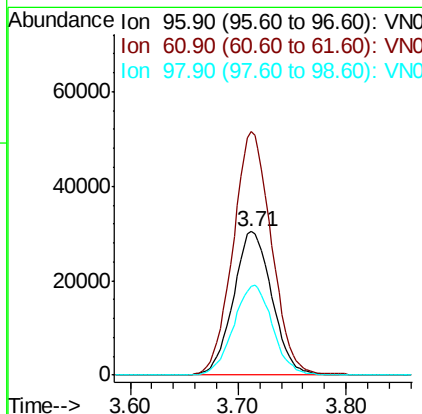
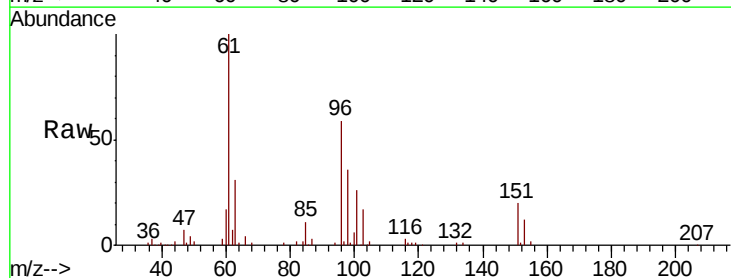
MMDadoda
11/18/2019 3:10:14 PM

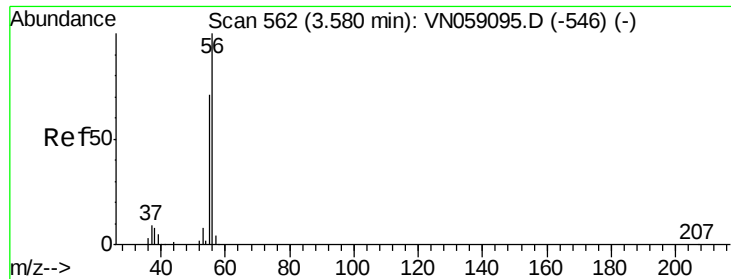


#12

1,1-Dichloroethene
Concen: 20.230 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN059252.D
Acq: 15 Nov 2019 10:12

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.6	136.5	204.7
98	61.5	50.2	75.4





#13

Acrolein

Concen: 62.765 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN059252.D

Acq: 15 Nov 2019 10:12

Instrument :

MSVOA_N

ClientSampled :

VN1115WBS01

Tot Ion: 56 Resp: 30415

Ion Ratio Lower Upper

56 100

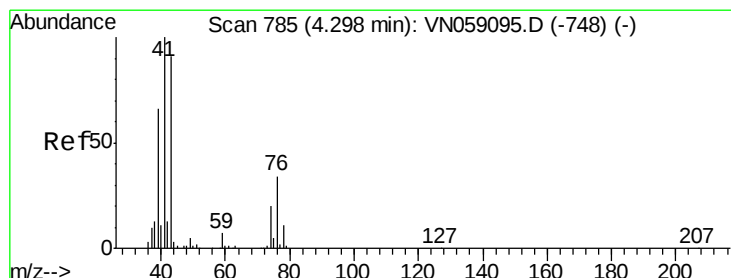
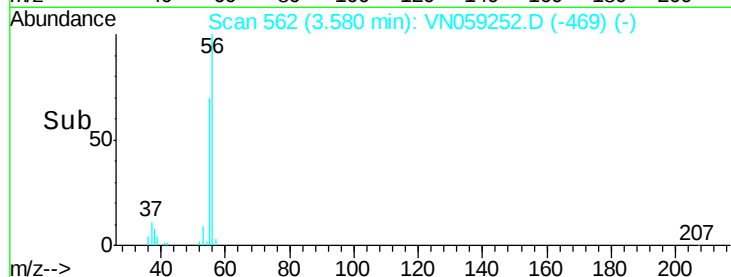
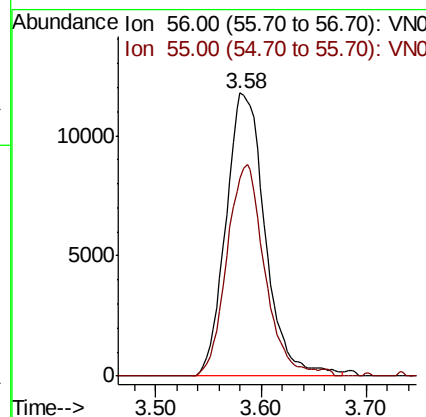
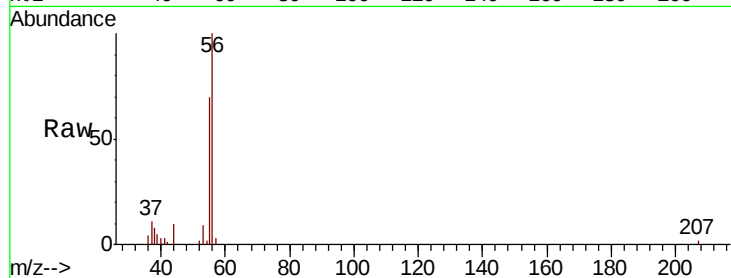
55 71.7 56.4 84.6

Manual Integrations

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#14

Allyl chloride

Concen: 20.086 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN059252.D

Acq: 15 Nov 2019 10:12

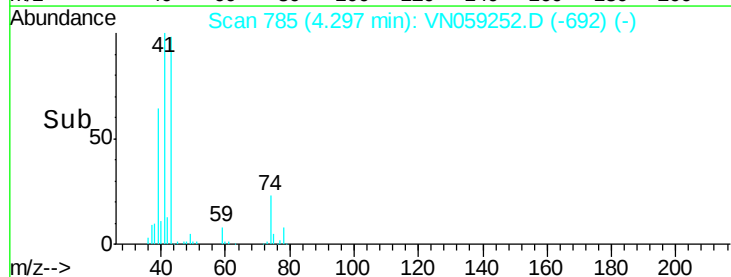
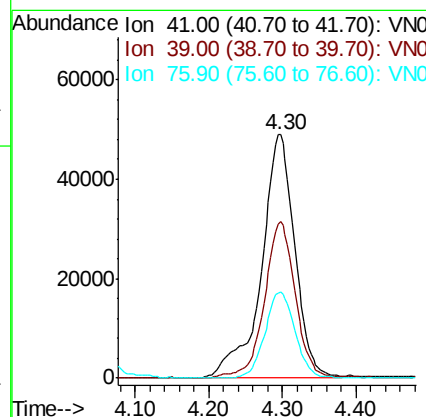
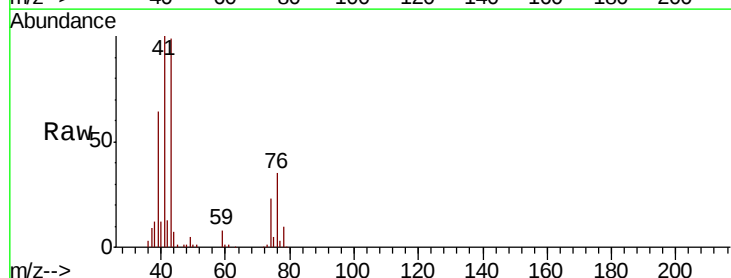
Tgt Ion: 41 Resp: 154413

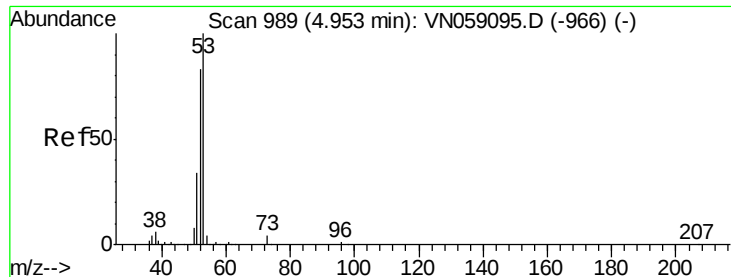
Ion Ratio Lower Upper

41 100

39 59.2 49.1 73.7

76 31.7 24.9 37.3





#15

Acrylonitrile

Concen: 113.554 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.00 min

Lab File: VN059252.D

Acq: 15 Nov 2019 10:12

Instrument :

MSVOA_N

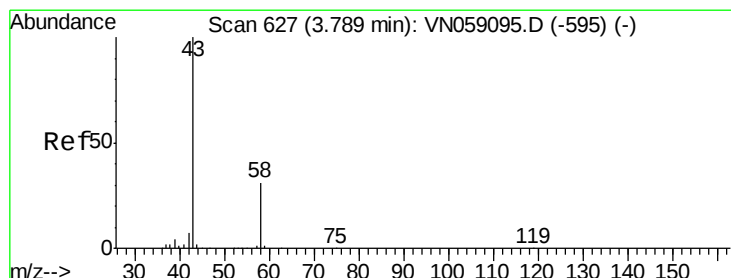
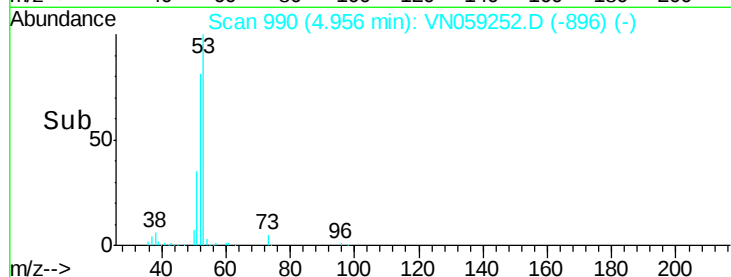
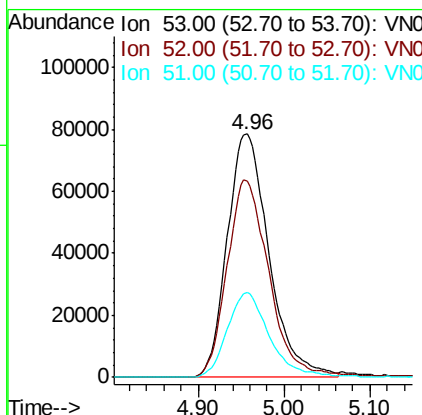
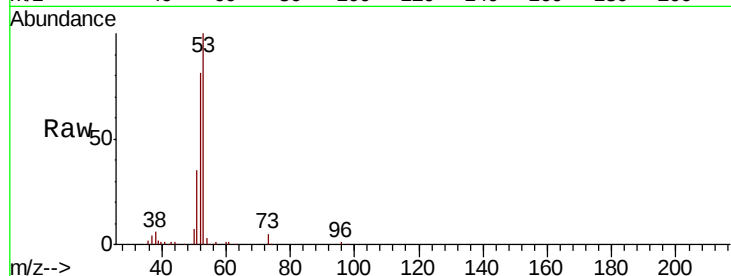
ClientSampleId :

VN1115WBS01

Tot Ion:	53	Resp:	265610
Ion Ratio		Lower	Upper
53	100		
52	81.4	65.0	97.6
51	35.0	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 85.800 ug/l

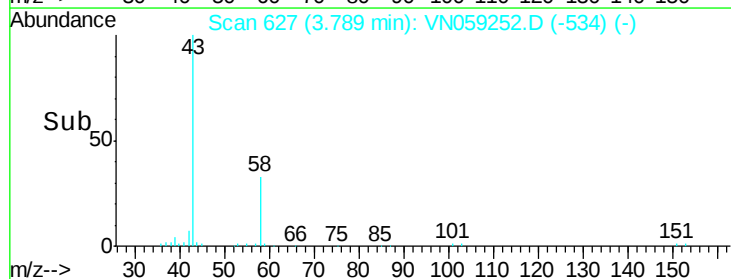
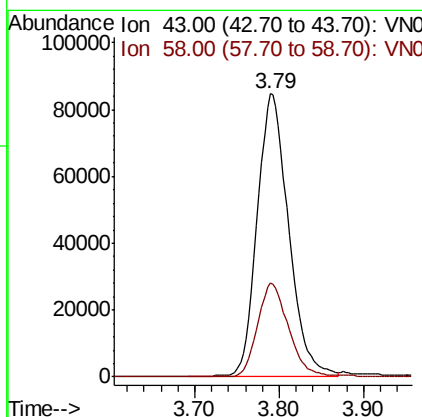
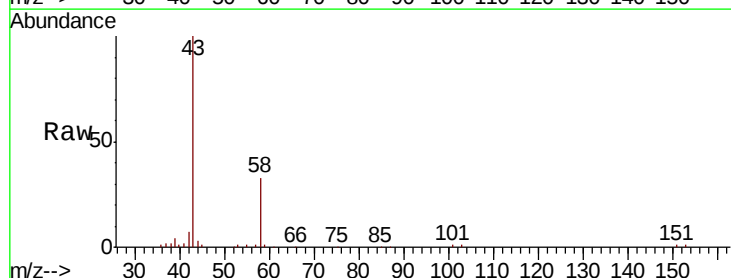
RT: 3.79 min Scan# 627

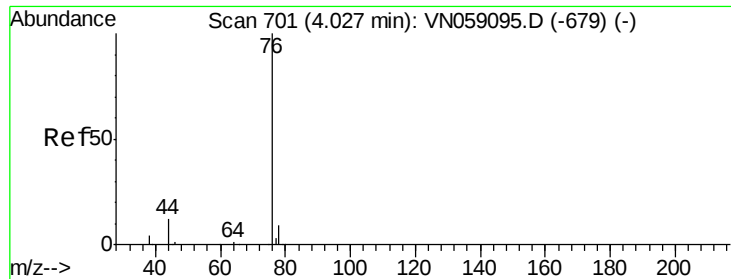
Delta R.T. -0.00 min

Lab File: VN059252.D

Acq: 15 Nov 2019 10:12

Tgt Ion:	43	Resp:	220044
Ion Ratio		Lower	Upper
43	100		
58	33.0	24.9	37.3





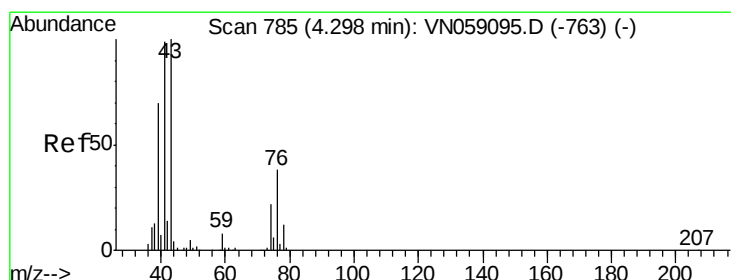
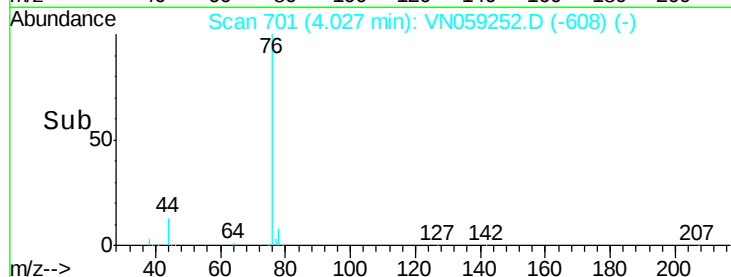
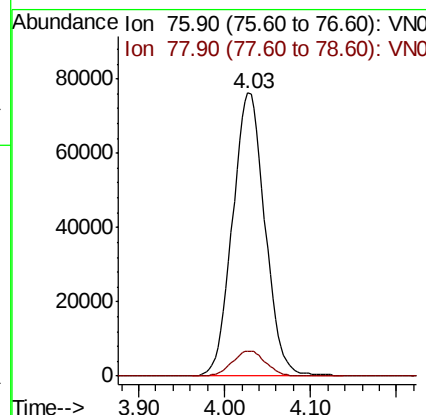
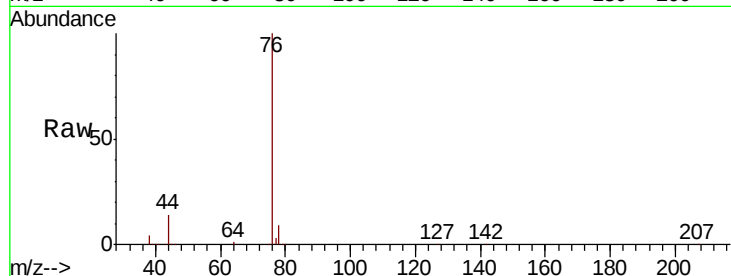
#17
Carbon Disulfide
Concen: 17.202 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN059252.D
Acq: 15 Nov 2019 10:12

Instrument :
MSVOA_N
ClientSampleId :
VN1115WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.4	11.0

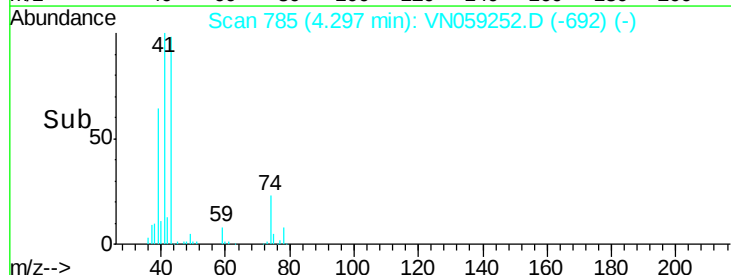
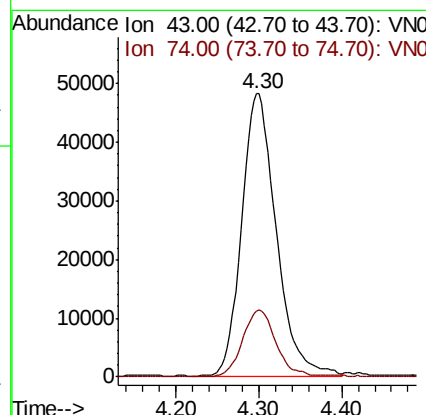
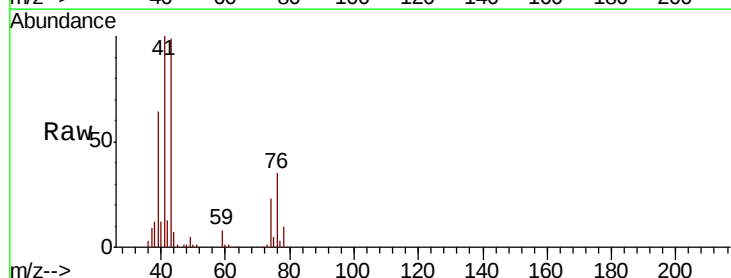
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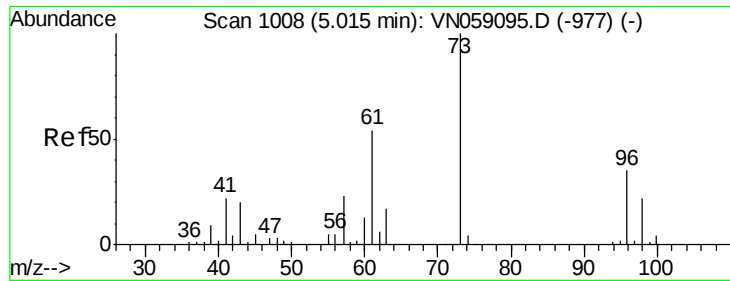
MMDadoda
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#18
Methyl Acetate
Concen: 23.157 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.00 min
Lab File: VN059252.D
Acq: 15 Nov 2019 10:12

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.5	17.8	26.8





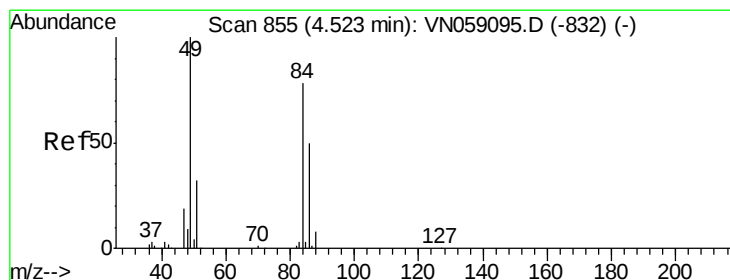
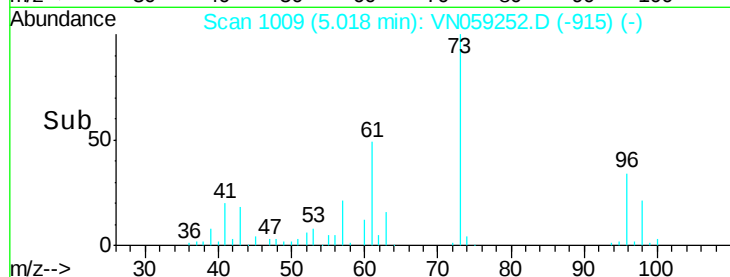
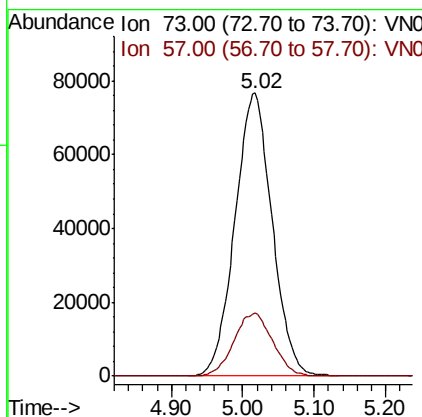
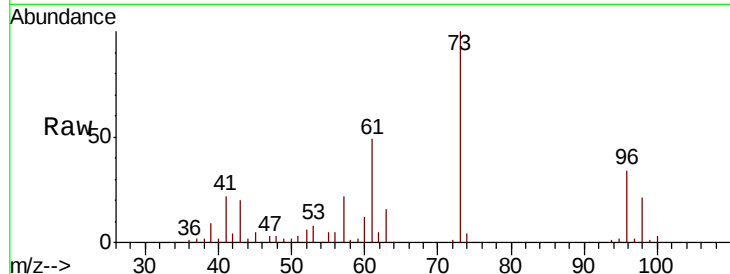
#19
Methvl tert-butvl Ether
Concen: 21.586 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN059252.D
Acq: 15 Nov 2019 10:12

Instrument :
MSVOA_N
ClientSampleId :
VN1115WBS01

Tot Ion: 73 Resp: 278140
Ion Ratio Lower Upper
73 100
57 22.3 18.4 27.6

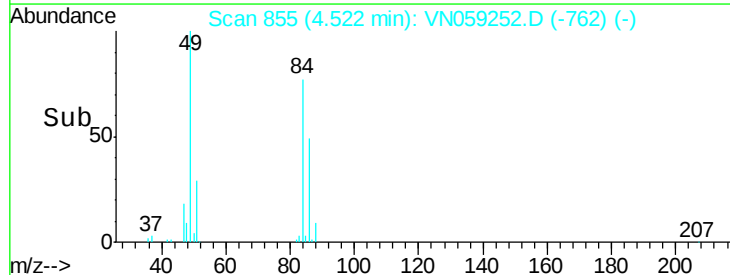
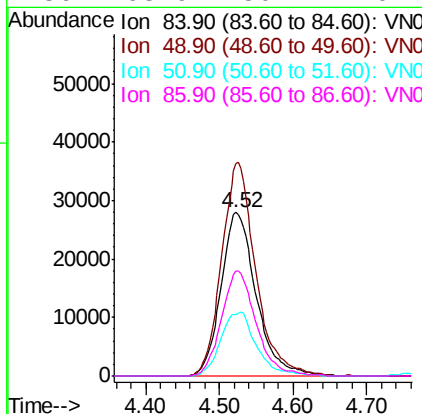
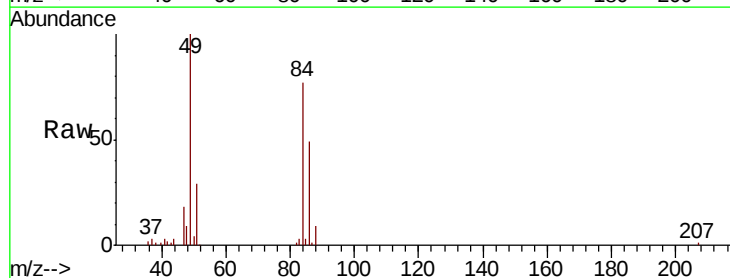
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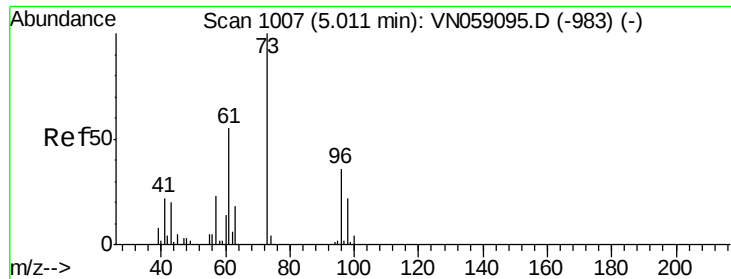
MMDadoda
11/18/2019 3:10:14 PM



#20
Methylene Chloride
Concen: 20.742 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN059252.D
Acq: 15 Nov 2019 10:12

Tgt Ion: 84 Resp: 92675
Ion Ratio Lower Upper
84 100
49 130.2 102.0 153.0
51 37.7 32.2 48.2
86 63.9 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 20.833 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN059252.D

Acq: 15 Nov 2019 10:12

Instrument :

MSVOA_N

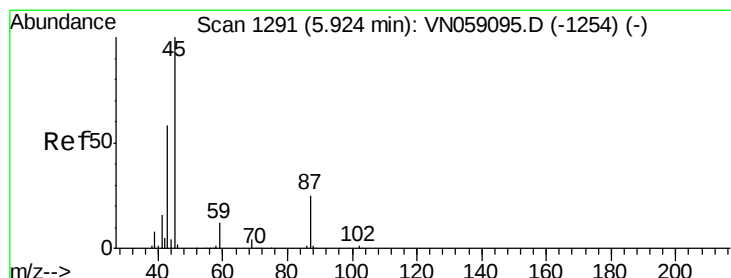
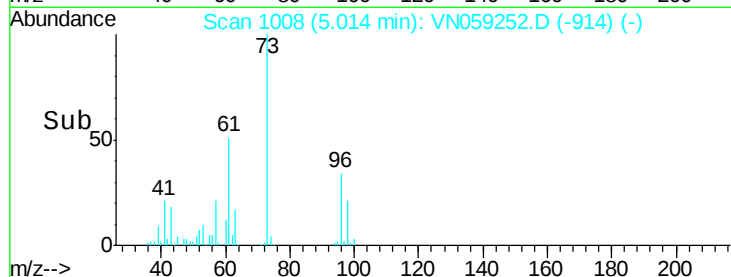
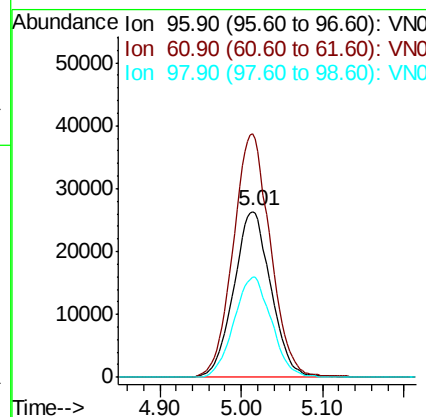
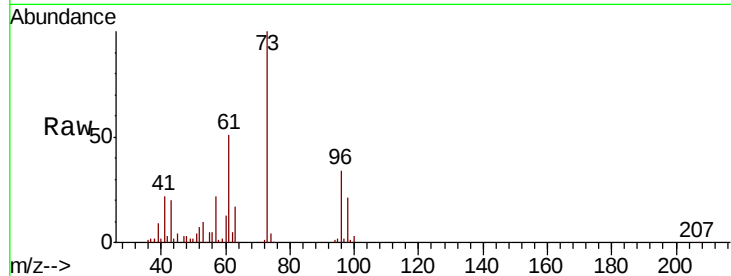
ClientSampleId :

VN1115WBS01

Tot Ion:	96	Resp:	83693
Ion	Ratio	Lower	Upper
96	100		
61	146.6	122.6	183.8
98	60.4	50.3	75.5

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.214 ug/l

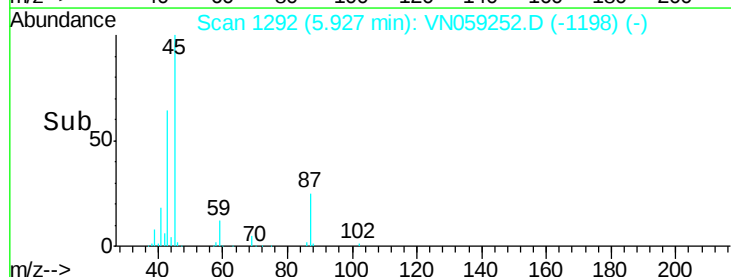
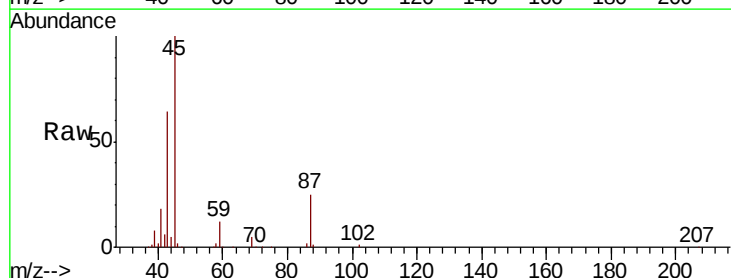
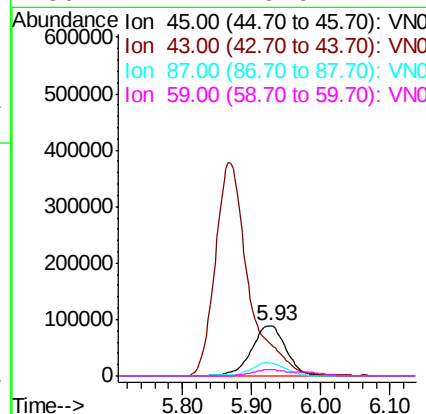
RT: 5.93 min Scan# 1292

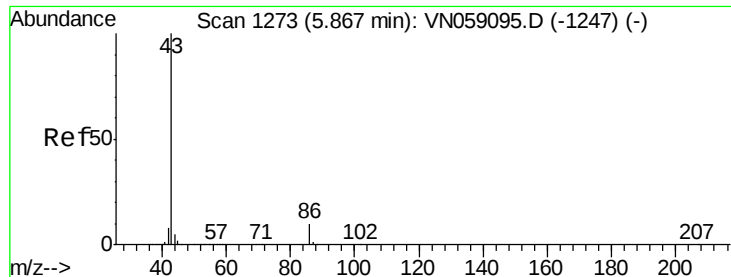
Delta R.T. 0.00 min

Lab File: VN059252.D

Acq: 15 Nov 2019 10:12

Tgt Ion:	45	Resp:	308047
Ion	Ratio	Lower	Upper
45	100		
43	62.0	46.7	70.1
87	25.1	20.5	30.7
59	12.1	9.6	14.4





#23

Vinyl Acetate

Concen: 112.464 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VN059252.D

Acq: 15 Nov 2019 10:12

Instrument :

MSVOA_N

ClientSampleId :

VN1115WBS01

Tot Ion: 43 Resp: 1265663

Ion Ratio Lower Upper

43 100

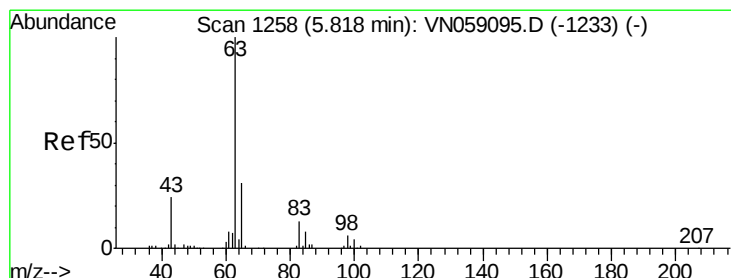
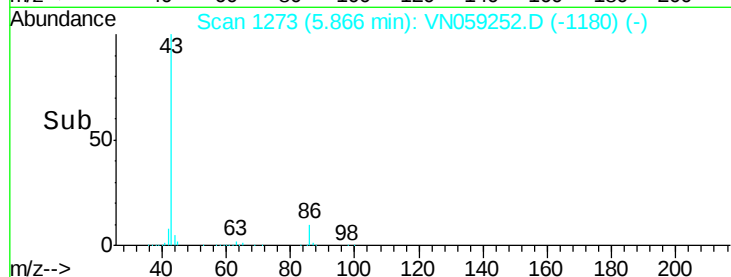
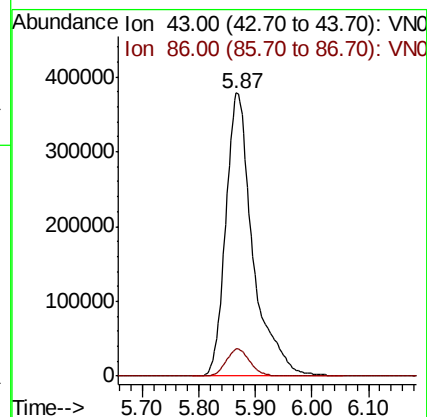
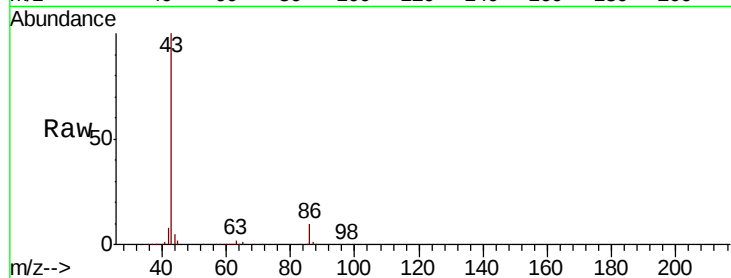
86 9.6 7.7 11.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.965 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VN059252.D

Acq: 15 Nov 2019 10:12

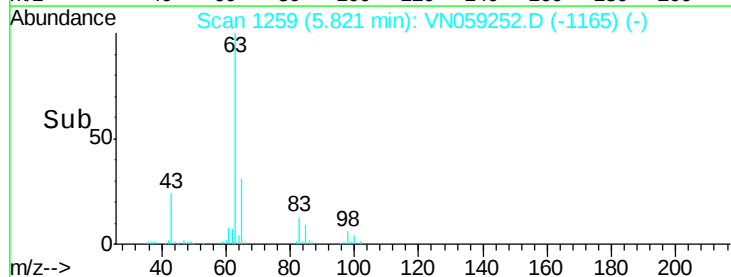
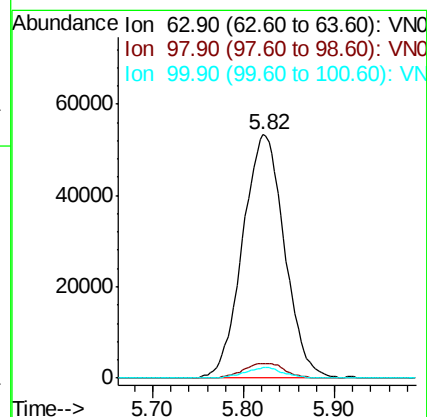
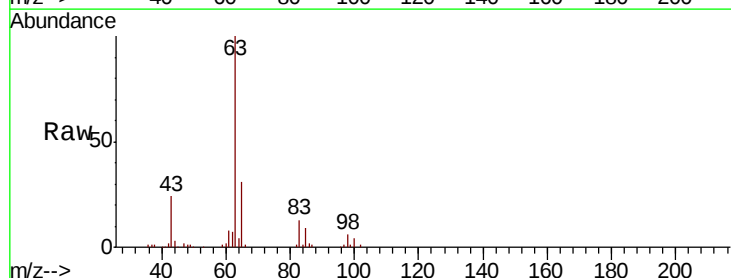
Tgt Ion: 63 Resp: 170029

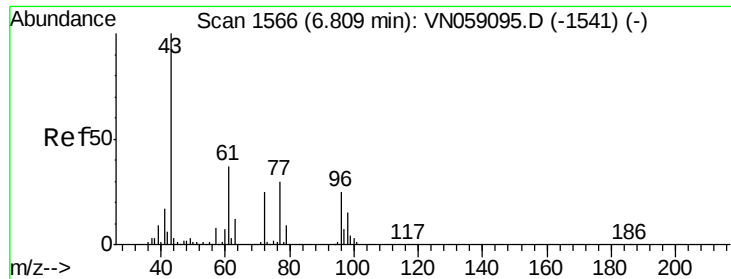
Ion Ratio Lower Upper

63 100

98 6.2 2.8 8.4

100 4.2 1.9 5.7





#25

2-Butanone

Concen: 103.333 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN059252.D

Acq: 15 Nov 2019 10:12

Instrument :

MSVOA_N

ClientSampleId :

VN1115WBS01

Tot Ion: 43 Resp: 349266

Ion Ratio Lower Upper

43 100

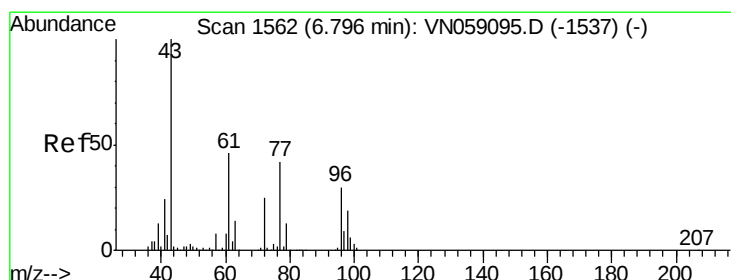
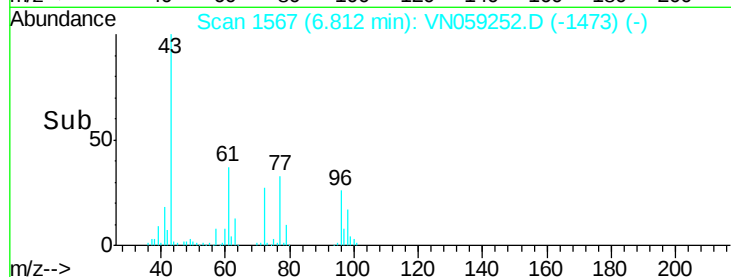
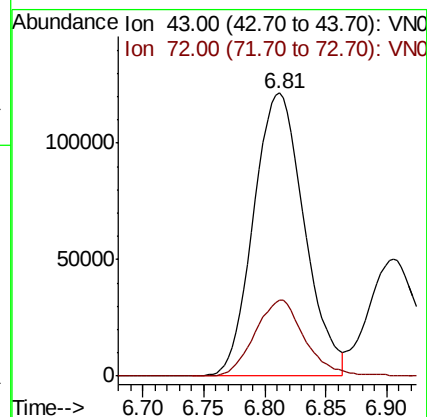
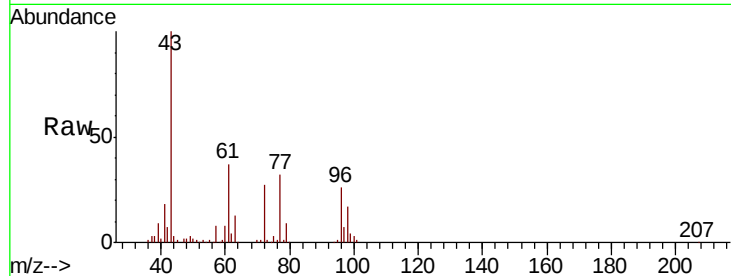
72 27.0 20.3 30.5

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 20.674 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059252.D

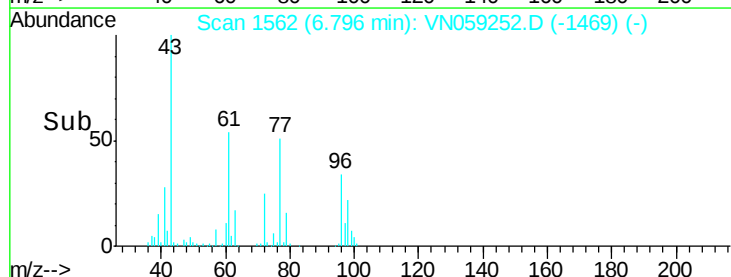
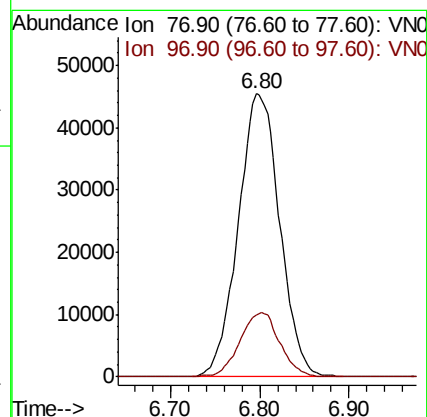
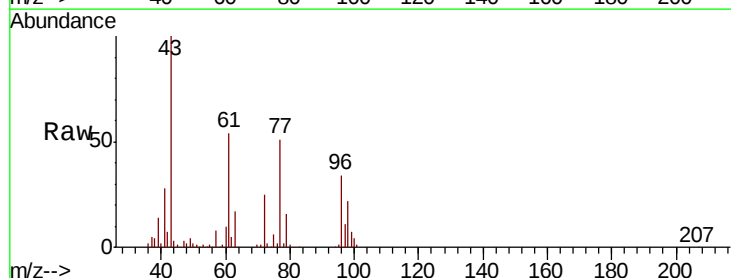
Acq: 15 Nov 2019 10:12

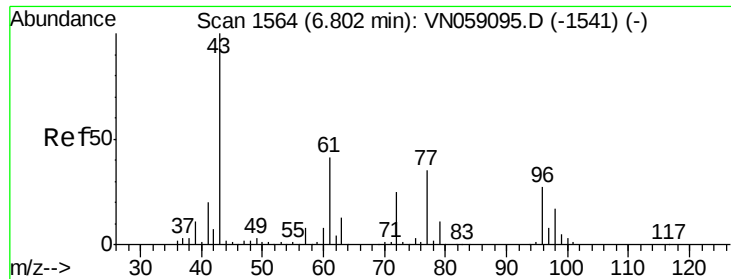
Tgt Ion: 77 Resp: 146615

Ion Ratio Lower Upper

77 100

97 21.9 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 21.062 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN059252.D

Acq: 15 Nov 2019 10:12

Instrument :

MSVOA_N

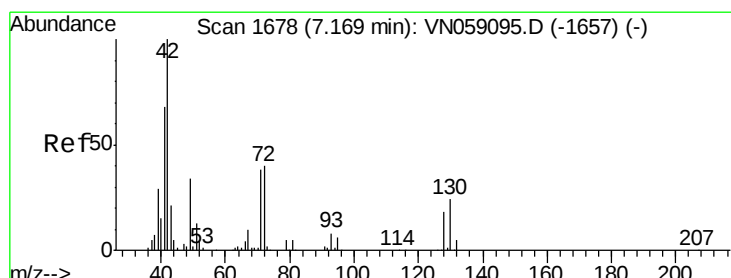
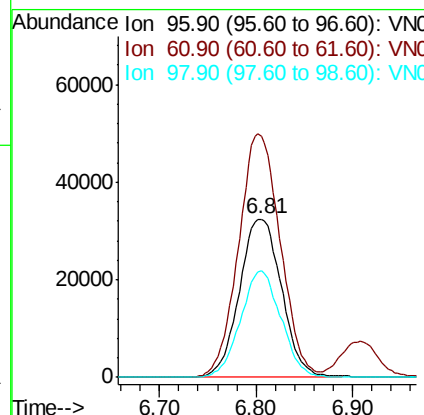
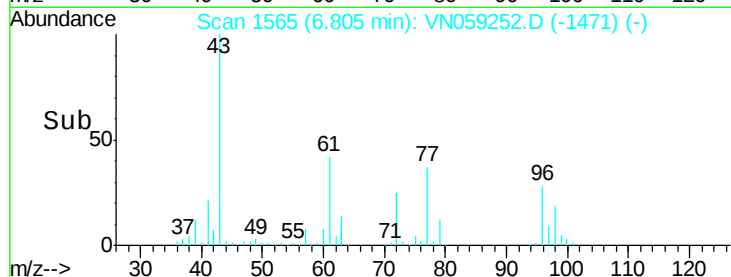
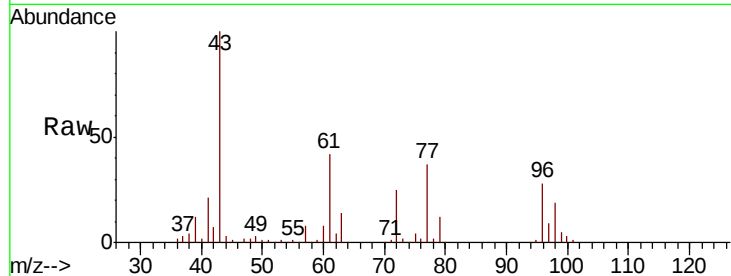
ClientSampleId :

VN1115WBS01

Tot Ion:	96	Resp:	98162
Ion	Ratio	Lower	Upper
96	100		
61	152.4	0.0	311.6
98	64.6	0.0	129.8

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#28

Bromochloromethane

Concen: 19.980 ug/l

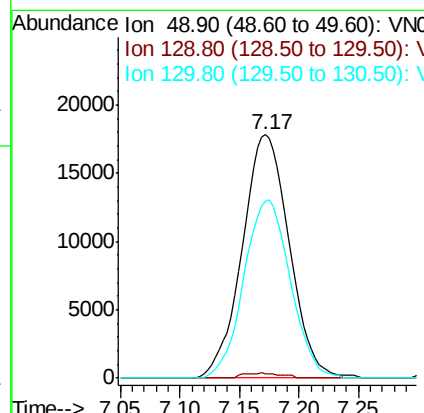
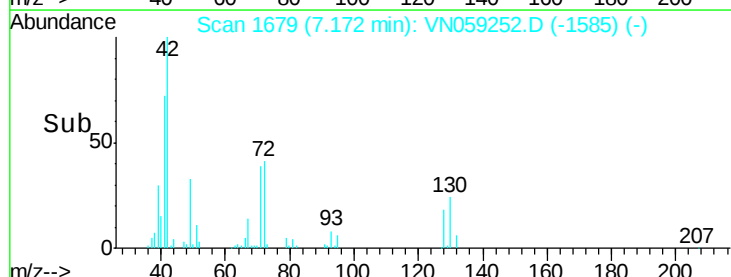
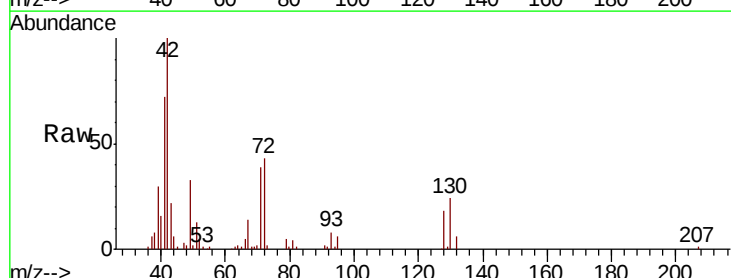
RT: 7.17 min Scan# 1679

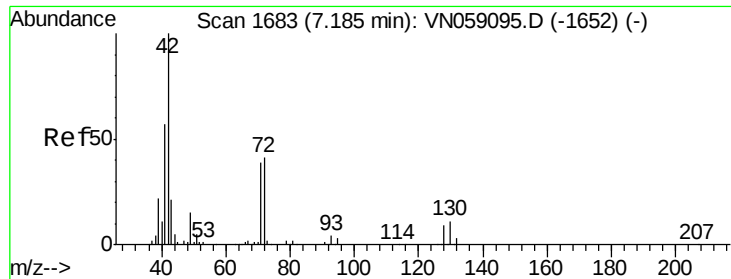
Delta R.T. 0.00 min

Lab File: VN059252.D

Acq: 15 Nov 2019 10:12

Tgt Ion:	49	Resp:	48751
Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	3.8
130	72.2	55.6	83.4





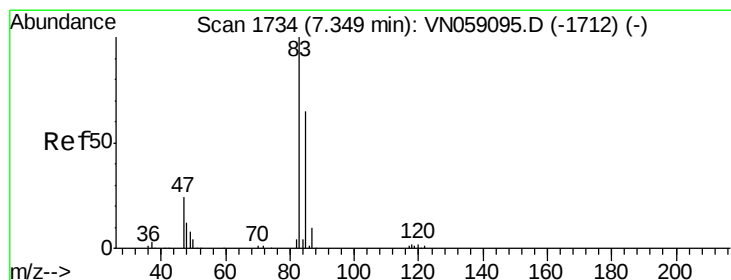
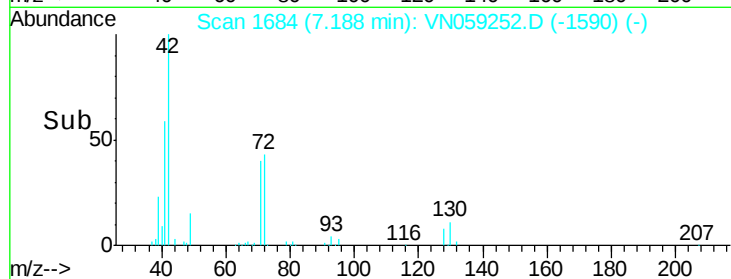
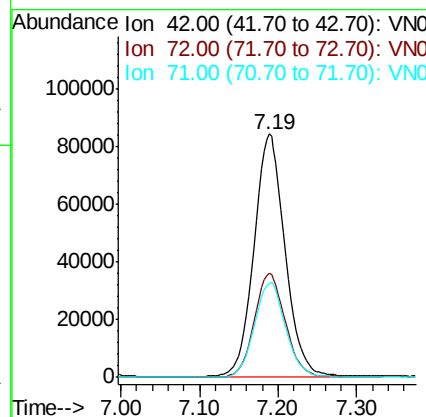
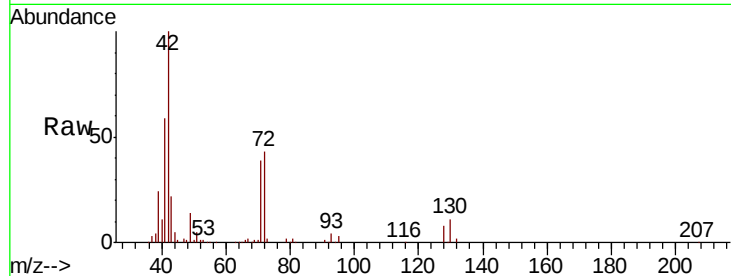
#29
Tetrahydrofuran
Concen: 110.660 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059252.D
Acq: 15 Nov 2019 10:12

Instrument :
MSVOA_N
ClientSampleId :
VN1115WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.5	33.1	49.7
71	39.2	30.9	46.3

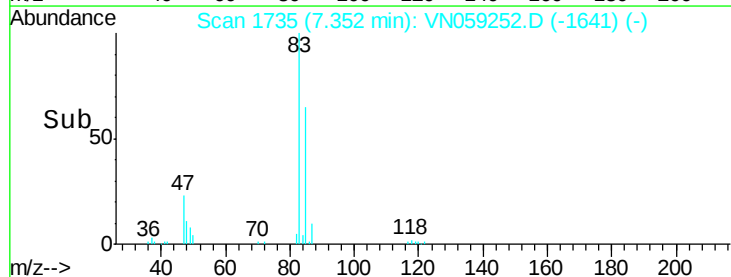
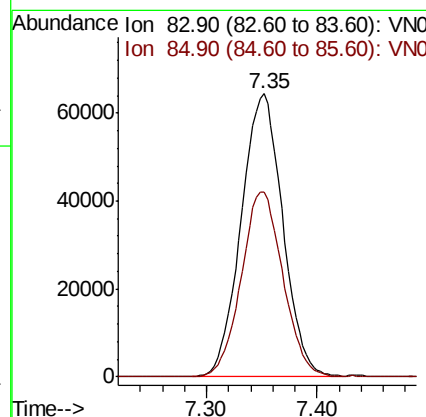
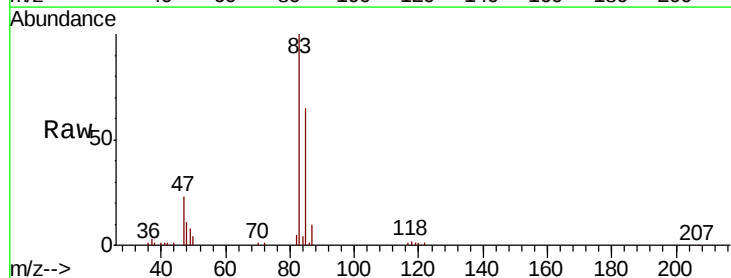
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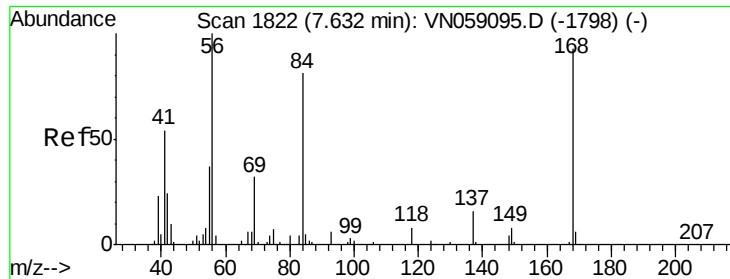
MMDadoda
11/18/2019 3:10:14 PM



#30
Chloroform
Concen: 21.632 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN059252.D
Acq: 15 Nov 2019 10:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.8	77.8





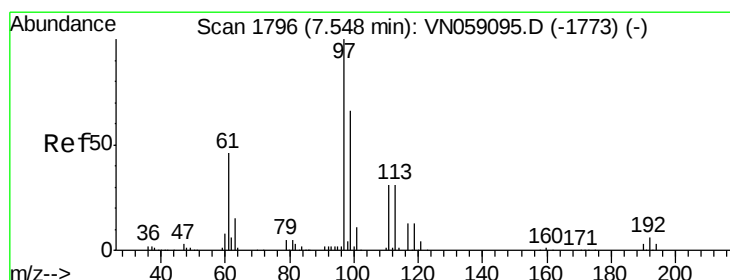
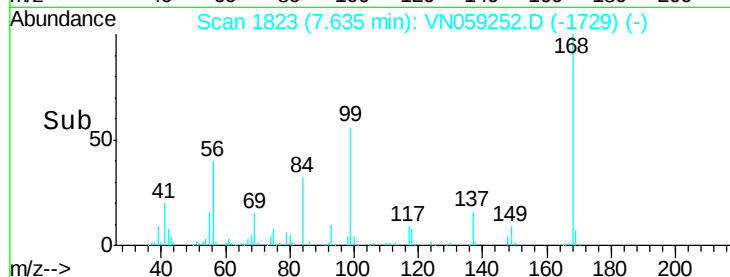
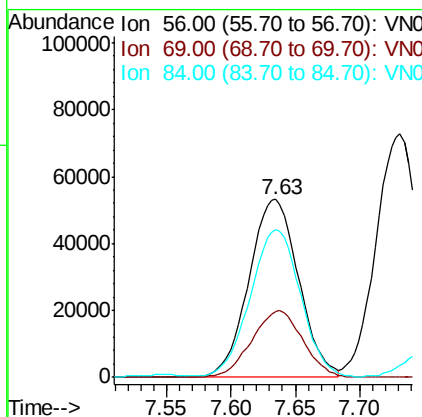
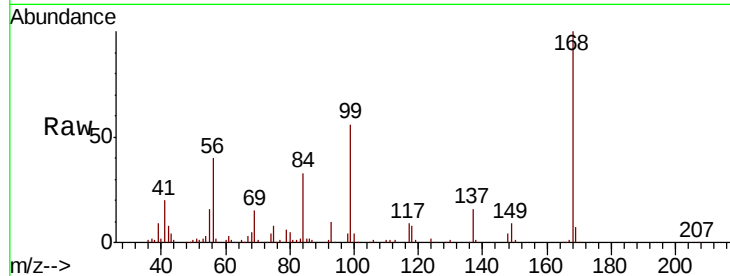
#31
Cyclohexane
Concen: 18.610 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN059252.D
Acq: 15 Nov 2019 10:12

Instrument :
MSVOA_N
ClientSampleId :
VN1115WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.9	25.8	38.8
84	81.7	65.0	97.4

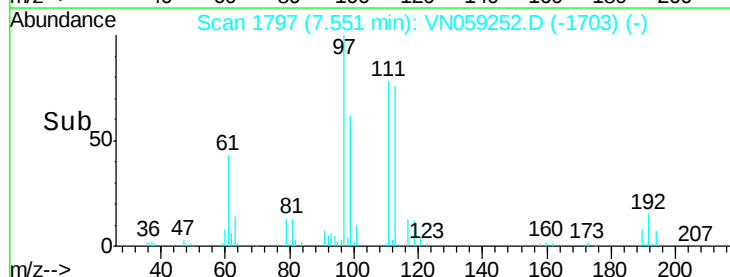
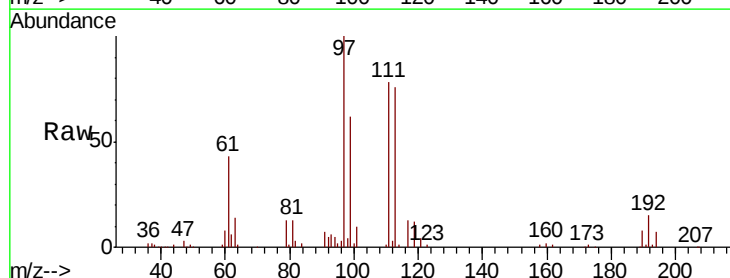
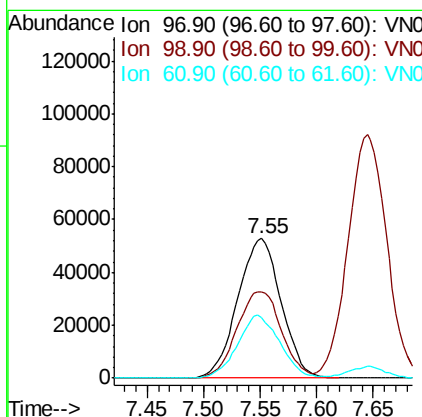
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#32
1,1,1-Trichloroethane
Concen: 21.548 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN059252.D
Acq: 15 Nov 2019 10:12

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.0	76.6
61	44.0	35.8	53.8





#33

1,2-Dichloroethane-d4

Concen: 46.343 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. 0.00 min

Lab File: VN059252.D

Acq: 15 Nov 2019 10:12

Instrument :

MSVOA_N

ClientSampleId :

VN1115WBS01

Tot Ion: 65 Resp: 228555

Ion Ratio Lower Upper

65 100

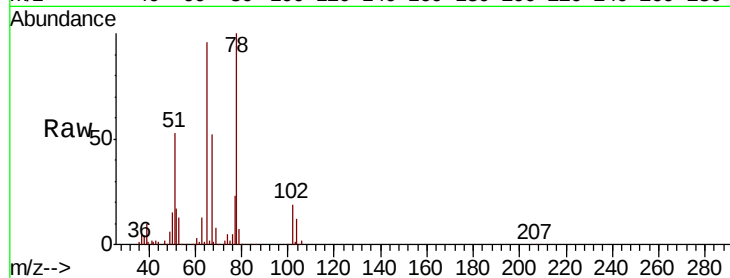
67 55.2 0.0 107.4

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VN059252.D (-1845) (-)

Ion 66.90 (66.60 to 67.60): VN059252.D (-1845) (-)

8.01

100000

80000

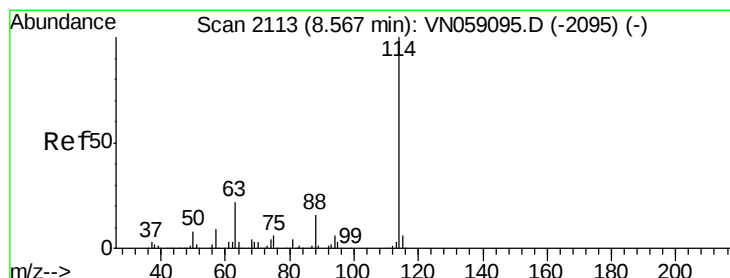
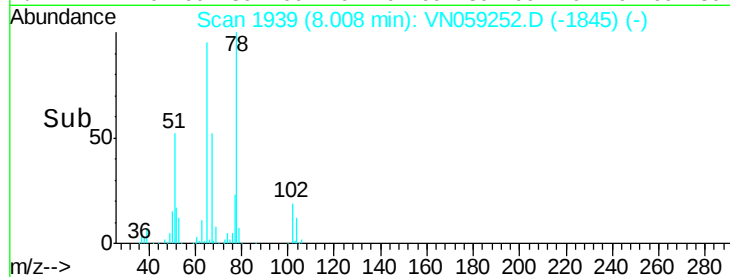
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VN059252.D

Acq: 15 Nov 2019 10:12

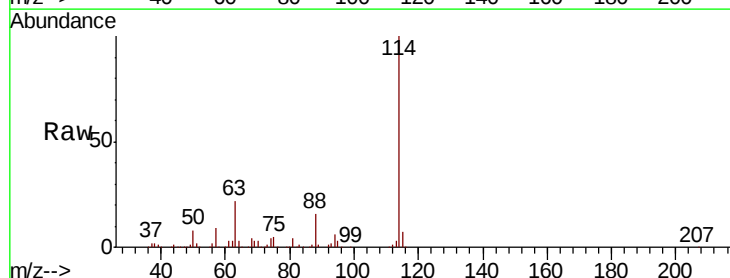
Tgt Ion: 114 Resp: 621207

Ion Ratio Lower Upper

114 100

63 21.8 0.0 43.4

88 15.8 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): VN059252.D (-2020) (-)

Ion 63.00 (62.70 to 63.70): VN059252.D (-2020) (-)

Ion 87.90 (87.60 to 88.60): VN059252.D (-2020) (-)

8.57

400000

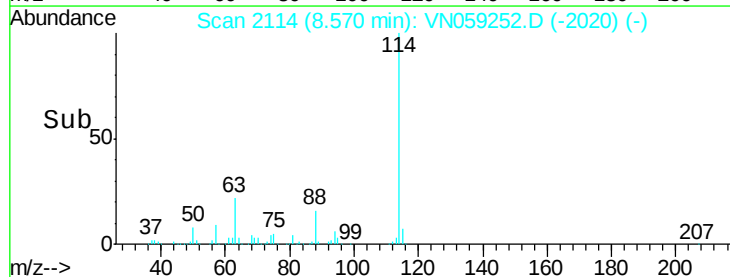
300000

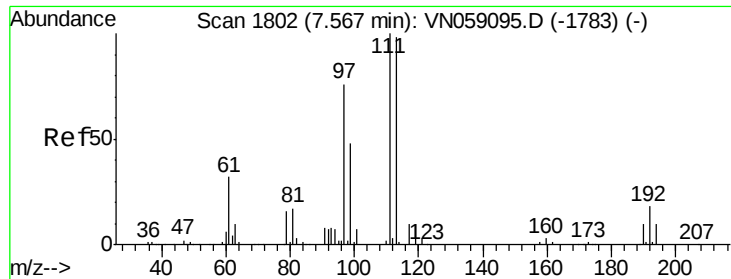
200000

100000

0

Time-->





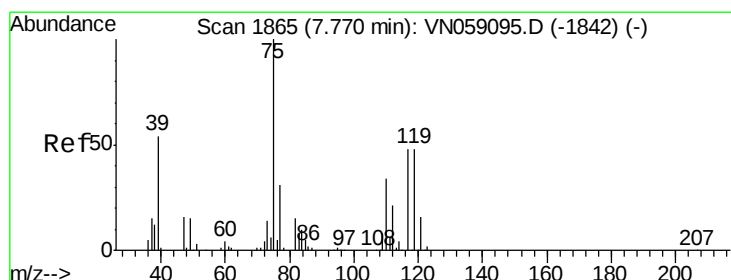
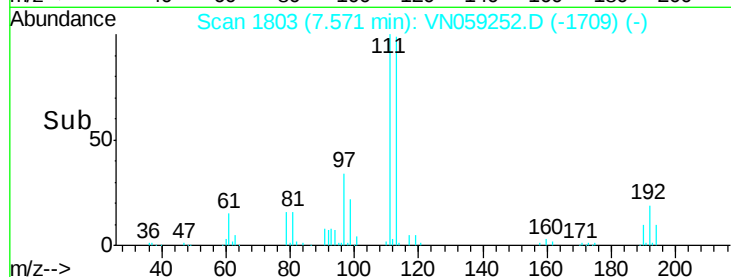
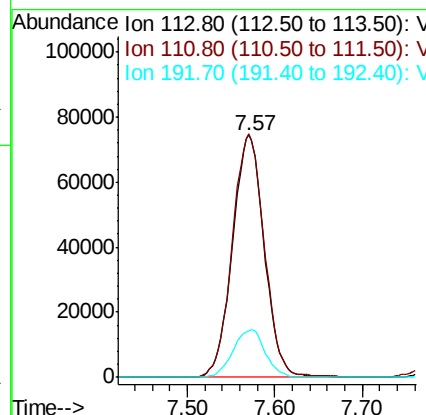
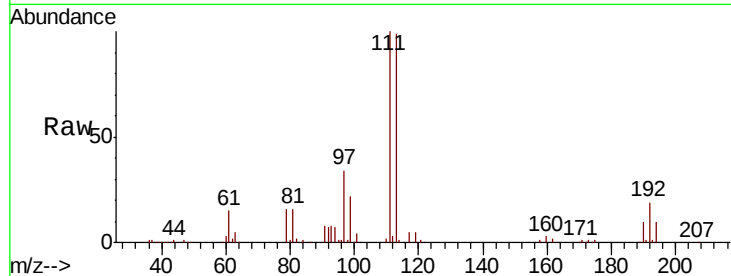
#35
 Dibromofluoromethane
 Concen: 50.451 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059252.D
 Acq: 15 Nov 2019 10:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1115WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	187134		
111	101.2	82.8	124.2	
192	19.9	16.1	24.1	

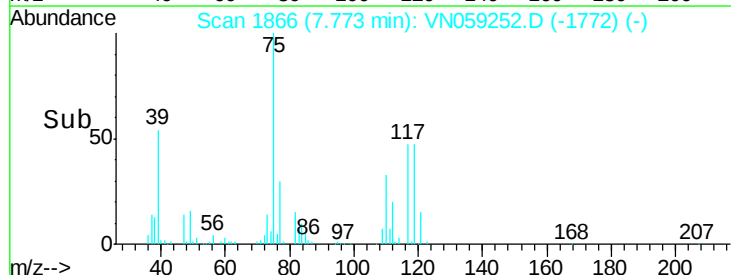
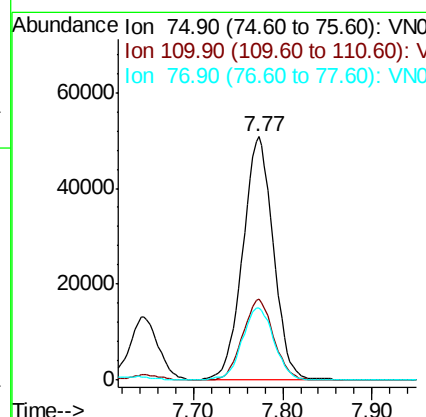
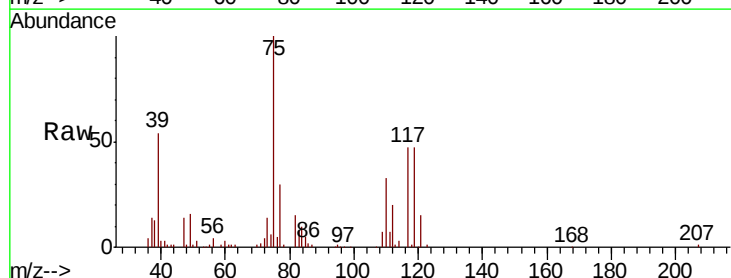
Manual Integrations
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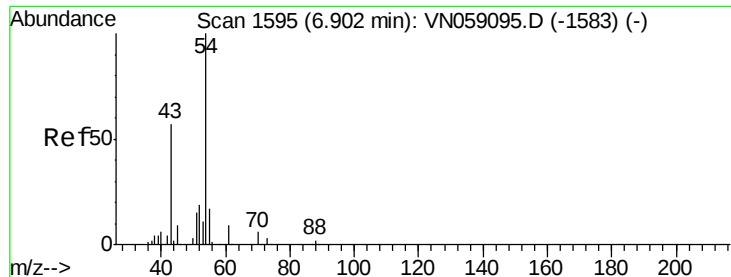
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#36
 1,1-Dichloropropene
 Concen: 20.847 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN059252.D
 Acq: 15 Nov 2019 10:12

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	121049		
110	33.4	17.1	51.2	
77	30.8	24.8	37.2	





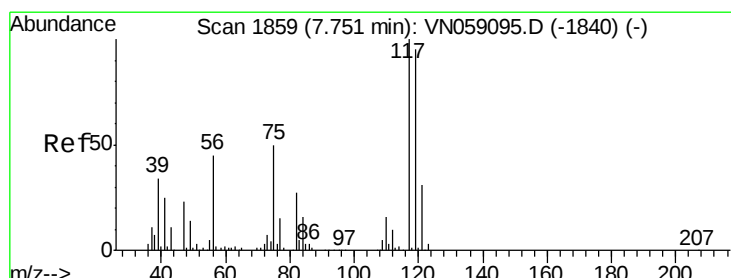
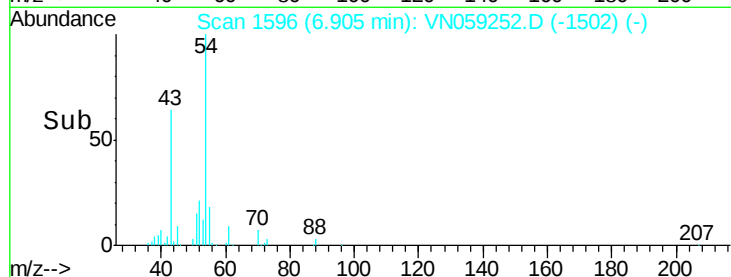
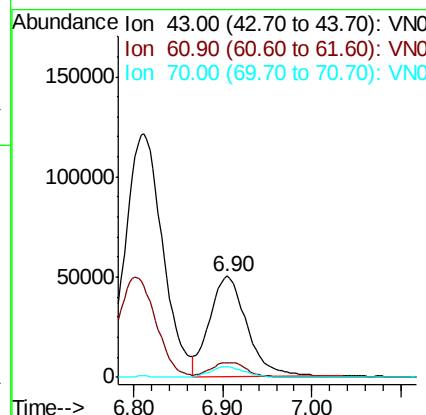
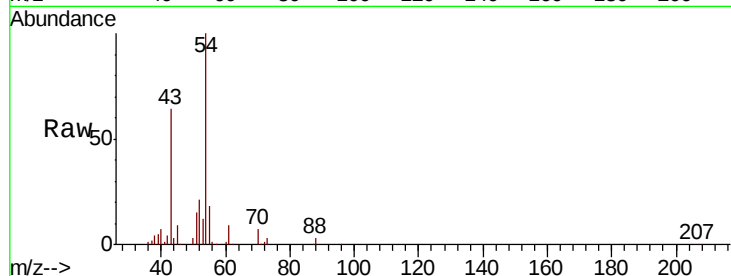
#37
Ethyl Acetate
Concen: 22.471 ug/l
RT: 6.90 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN059252.D
Acq: 15 Nov 2019 10:12

Instrument :
MSVOA_N
ClientSampleId :
VN1115WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.2	16.8
70	9.8	7.8	11.8

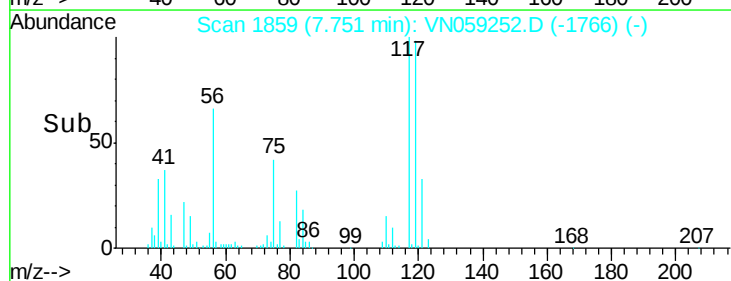
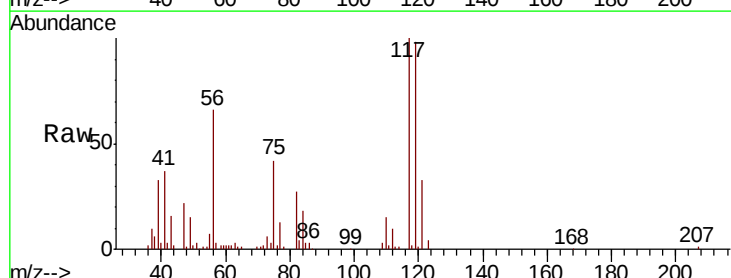
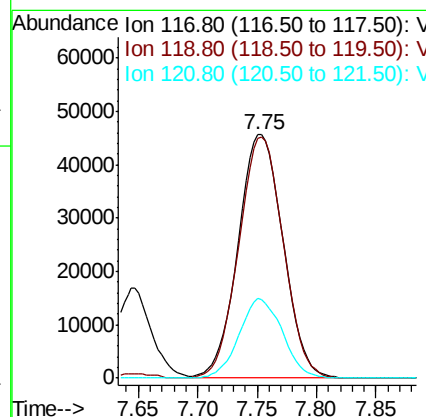
Manual Integrations
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#38
Carbon Tetrachloride
Concen: 20.691 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059252.D
Acq: 15 Nov 2019 10:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.3	75.6	113.4
121	32.5	24.6	36.8





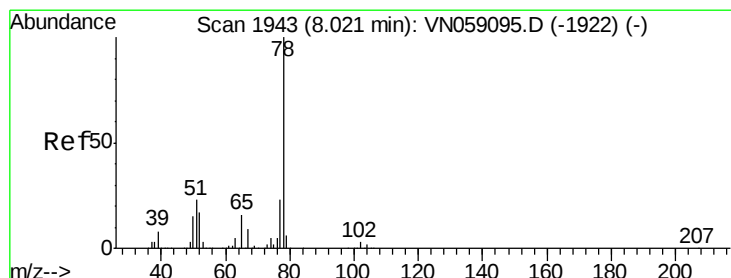
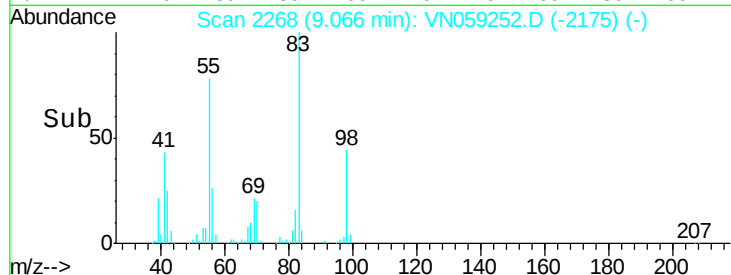
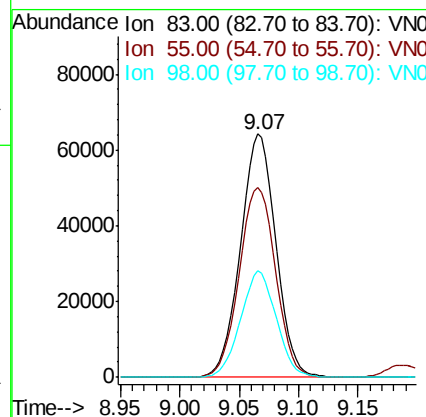
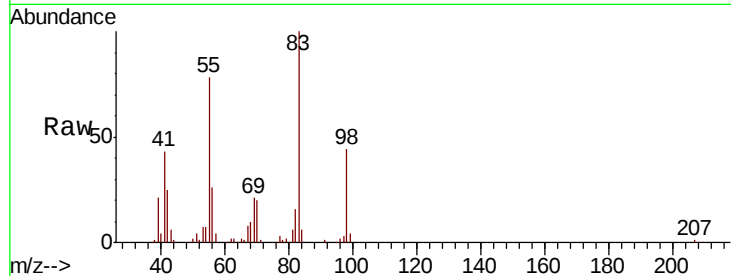
#39
Methvlcvclohexane
Concen: 19.663 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059252.D
Acq: 15 Nov 2019 10:12

Instrument :
MSVOA_N
ClientSampleId :
VN1115WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.0	63.9	95.9
98	43.8	35.6	53.4

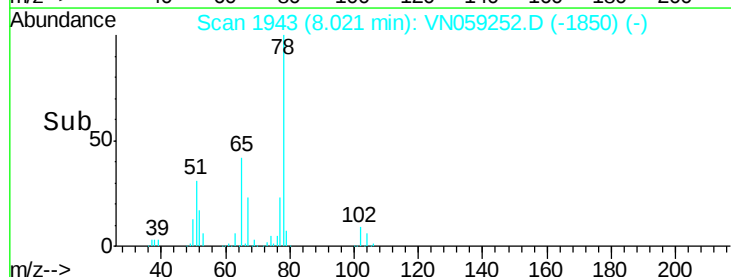
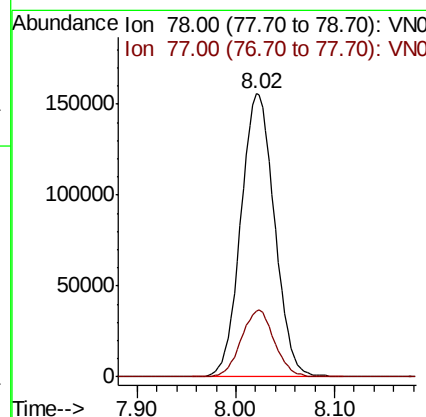
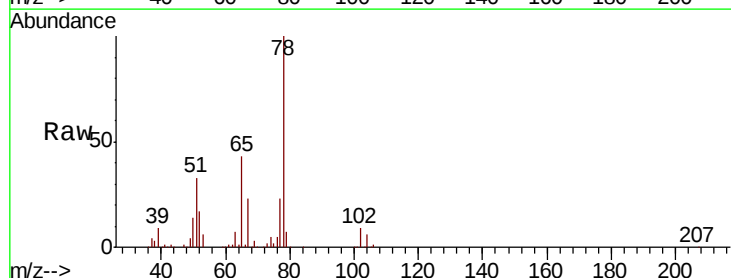
Manual Integrations
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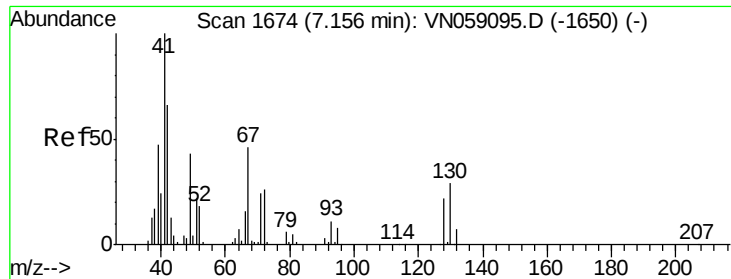
MMDadoda
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#40
Benzene
Concen: 21.061 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059252.D
Acq: 15 Nov 2019 10:12

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2





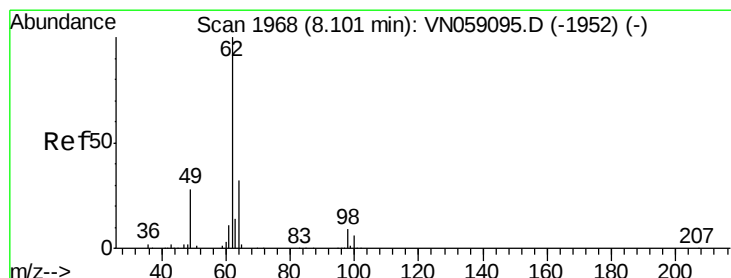
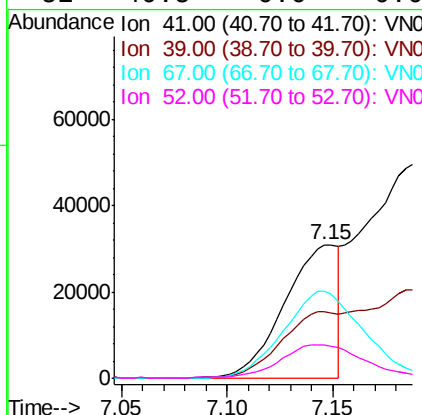
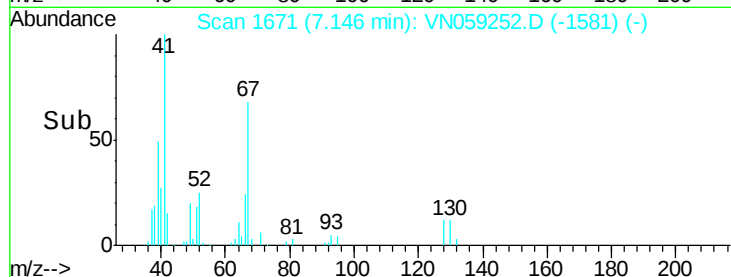
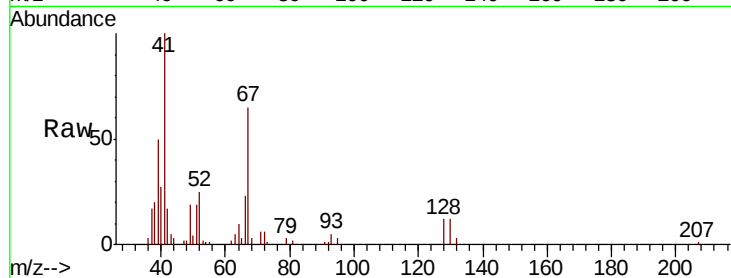
#41
Methacrylonitrile
Concen: 19.604 ug/l
RT: 7.15 min Scan# 1671
Delta R.T. -0.01 min
Lab File: VN059252.D
Acq: 15 Nov 2019 10:12

Instrument :
MSVOA_N
ClientSampleId :
VN1115WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	51.9	0.0	0.0#
67	98.3	0.0	0.0#
52	40.5	0.0	0.0#

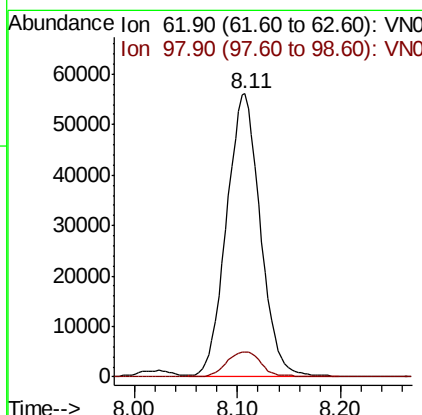
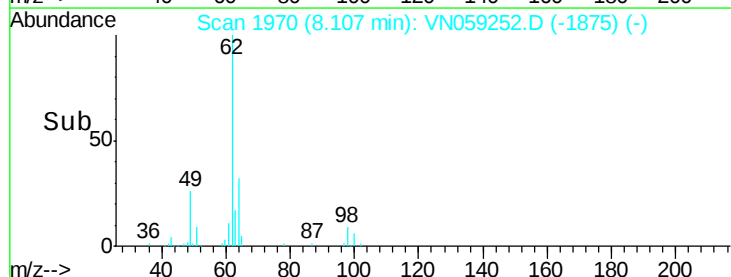
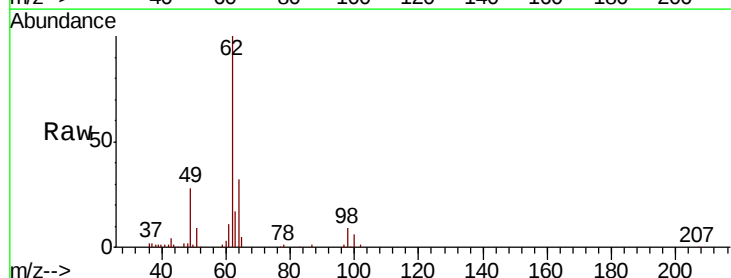
Manual Integrations
APPROVED

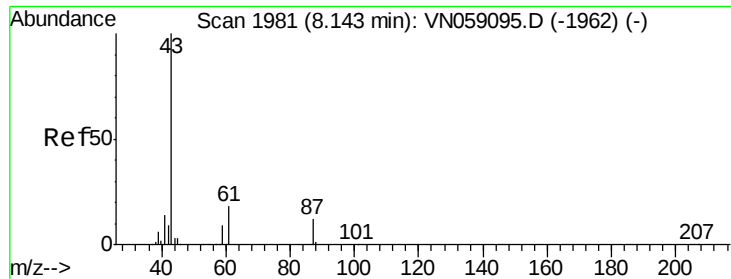
MMDadoda
11/18/2019 3:10:14 PM



#42
1,2-Dichloroethane
Concen: 21.419 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.01 min
Lab File: VN059252.D
Acq: 15 Nov 2019 10:12

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.8





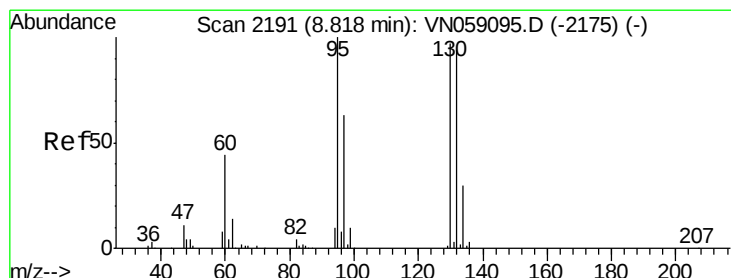
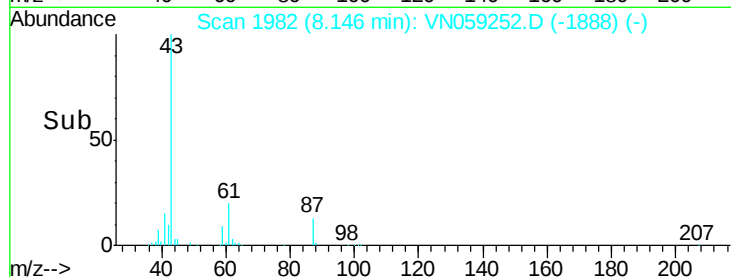
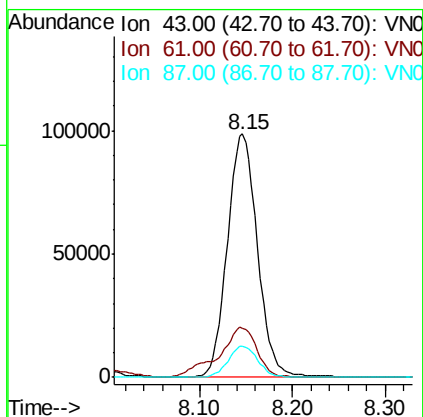
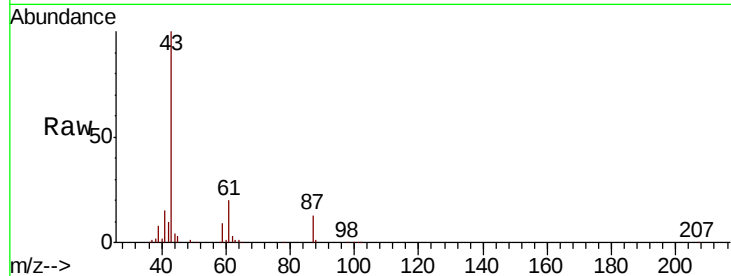
#43
Isopropyl Acetate
Concen: 21.414 ug/l
RT: 8.15 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VN059252.D
Acq: 15 Nov 2019 10:12

Instrument :
MSVOA_N
ClientSampleId :
VN1115WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.5	21.0	31.6
87	12.7	9.8	14.6

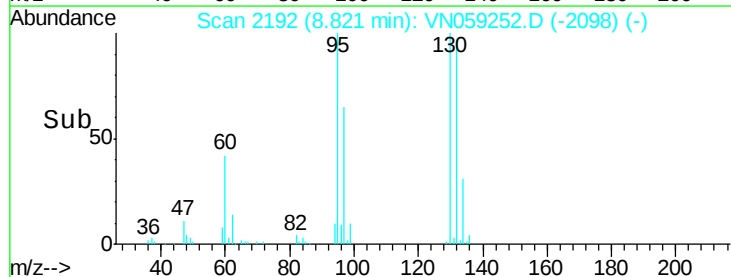
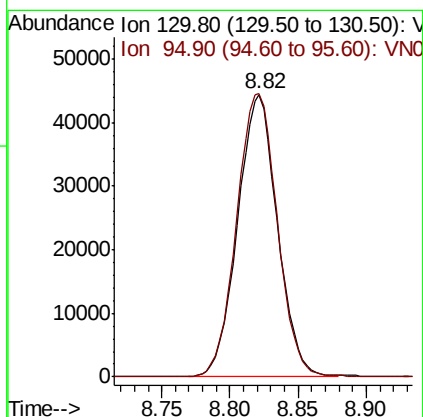
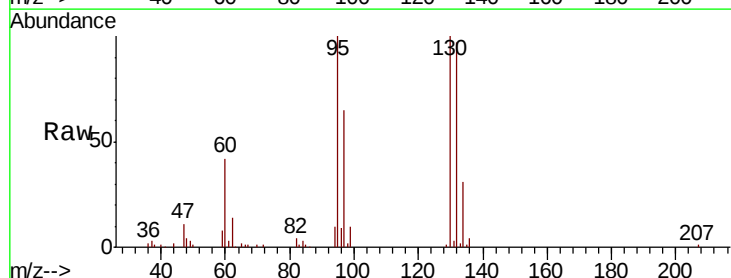
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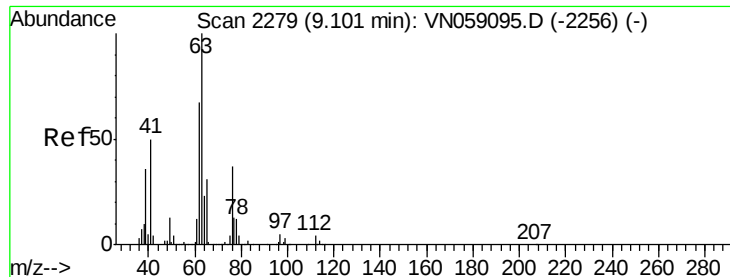
MMDadoda
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#44
Trichloroethene
Concen: 20.888 ug/l
RT: 8.82 min Scan# 2192
Delta R.T. 0.00 min
Lab File: VN059252.D
Acq: 15 Nov 2019 10:12

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.1	0.0	206.4





#45

1,2-Dichloropropane

Concen: 21.854 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. 0.00 min

Lab File: VN059252.D

Acq: 15 Nov 2019 10:12

Instrument :

MSVOA_N

ClientSampleId :

VN1115WBS01

Tot Ion: 63 Resp: 103790

Ion Ratio Lower Upper

63 100

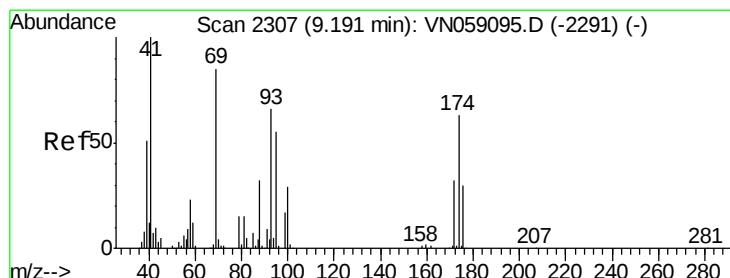
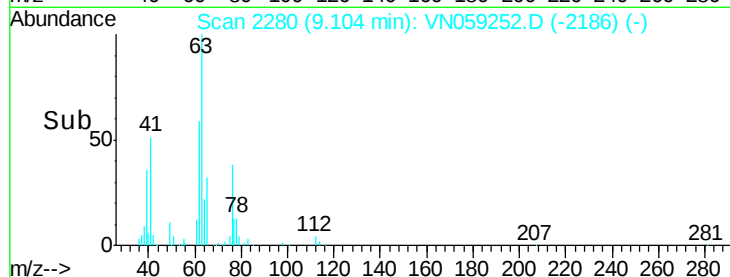
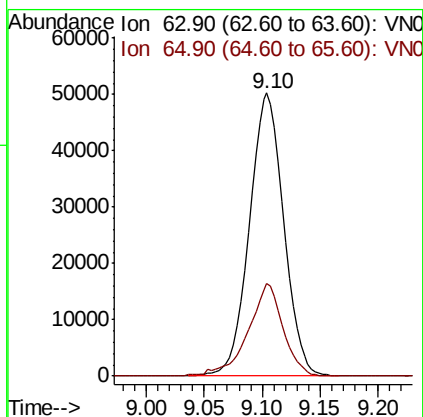
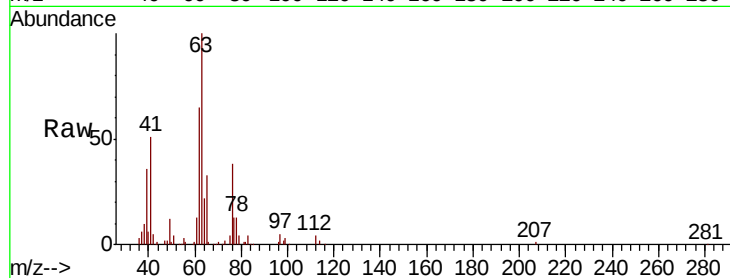
65 32.8 24.6 37.0

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#46

Dibromomethane

Concen: 21.094 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN059252.D

Acq: 15 Nov 2019 10:12

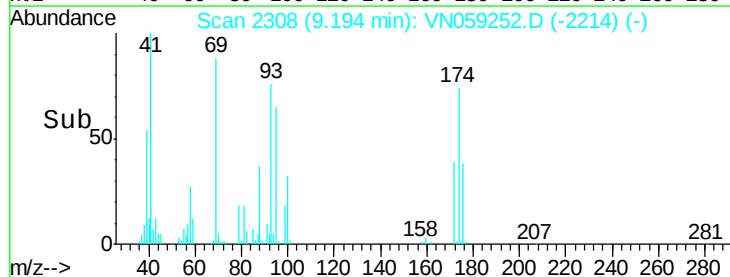
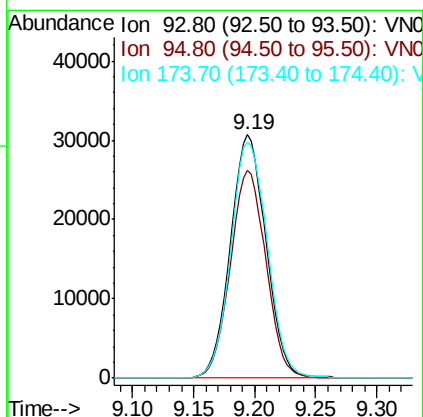
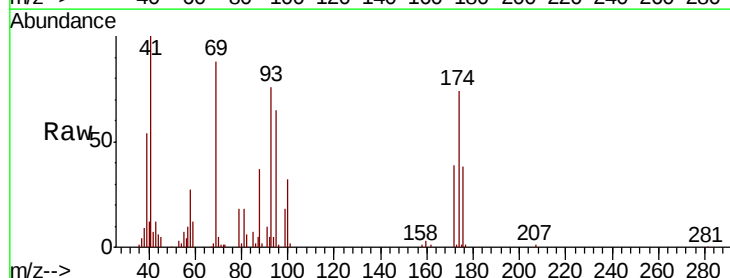
Tgt Ion: 93 Resp: 62428

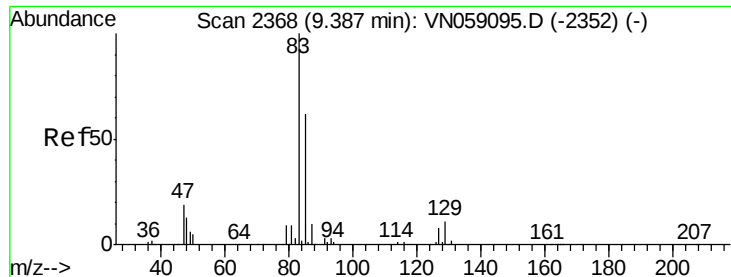
Ion Ratio Lower Upper

93 100

95 84.9 66.6 100.0

174 99.5 78.2 117.2





#47

Bromodichloromethane

Concen: 21.367 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN059252.D

Acq: 15 Nov 2019 10:12

Instrument :

MSVOA_N

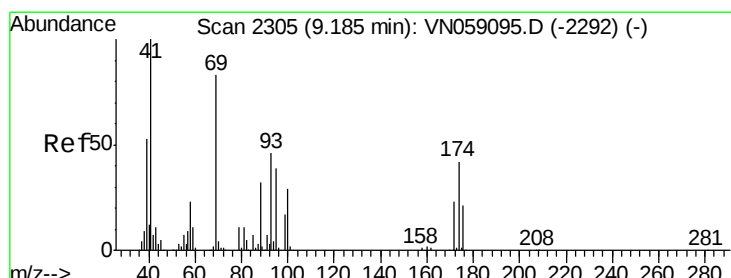
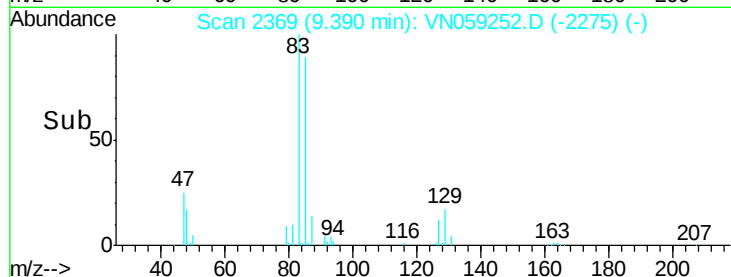
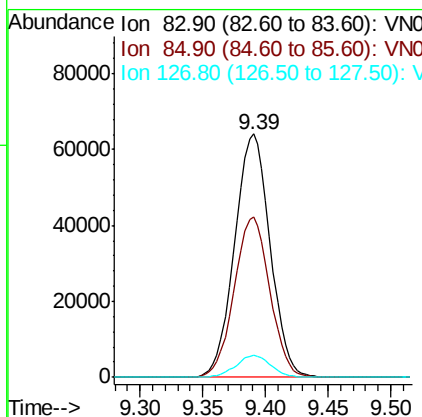
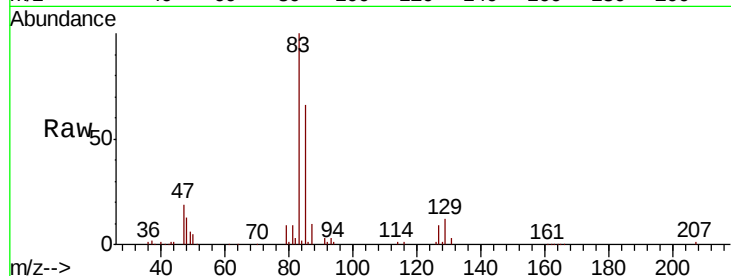
ClientSampleId :

VN1115WBS01

Tot Ion:	83	Resp:	126270
Ion	Ratio	Lower	Upper
83	100		
85	65.9	49.7	74.5
127	8.9	6.4	9.6

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#48

Methyl methacrylate

Concen: 20.539 ug/l

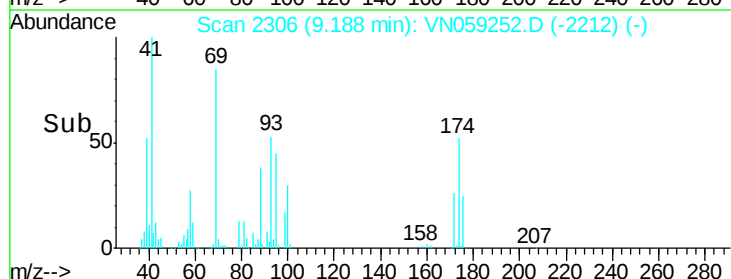
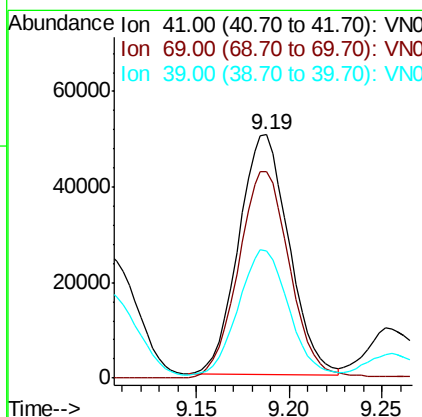
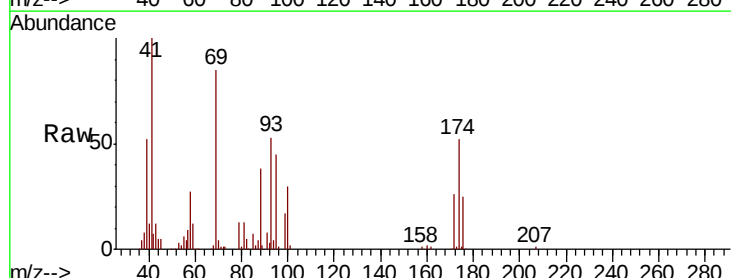
RT: 9.19 min Scan# 2306

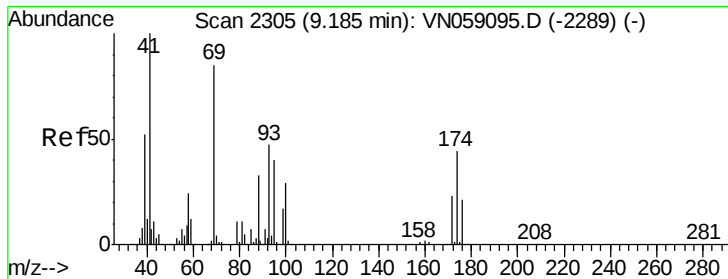
Delta R.T. 0.00 min

Lab File: VN059252.D

Acq: 15 Nov 2019 10:12

Tgt Ion:	41	Resp:	94610
Ion	Ratio	Lower	Upper
41	100		
69	88.7	67.3	100.9
39	55.0	43.3	64.9





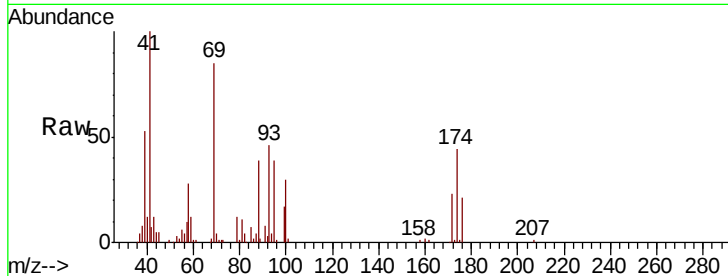
#49
1,4-Dioxane
Concen: 476.270 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059252.D
Acq: 15 Nov 2019 10:12

Instrument :
MSVOA_N
ClientSampleId :
VN1115WBS01

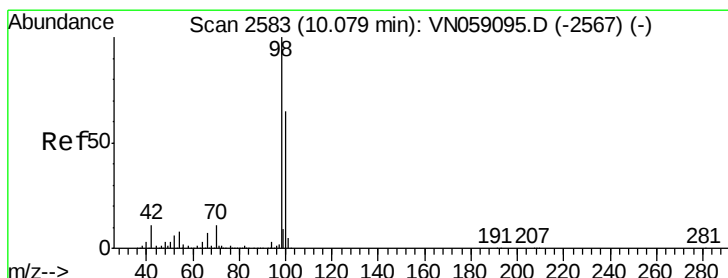
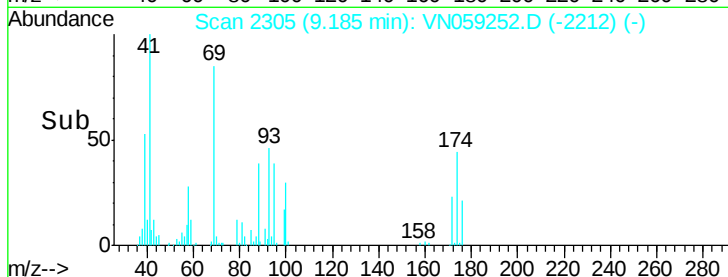
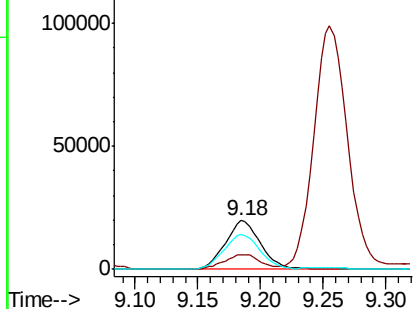
Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	31.6	26.3	39.5	
58	72.9	60.6	90.8	

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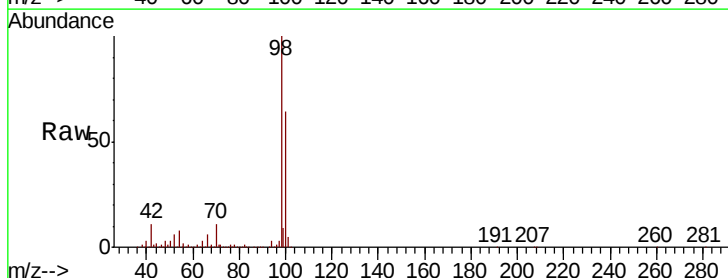


Abundance Ion 88.00 (87.70 to 88.70): VN059252.D (-2212) (-)
Ion 43.00 (42.70 to 43.70): VN059252.D (-2212) (-)
Ion 58.00 (57.70 to 58.70): VN059252.D (-2212) (-)

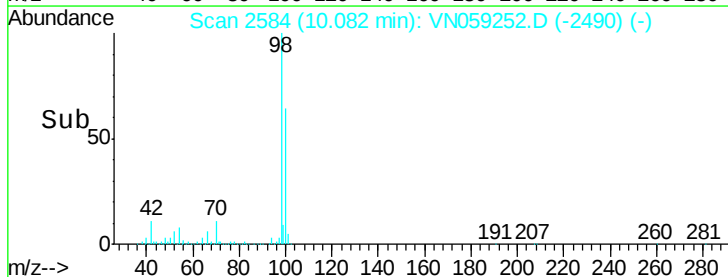
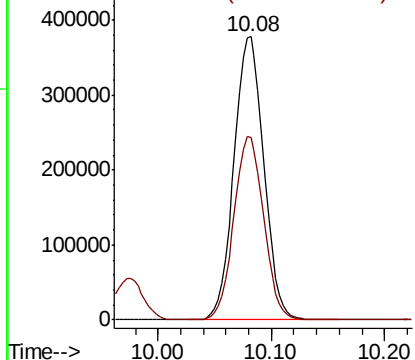


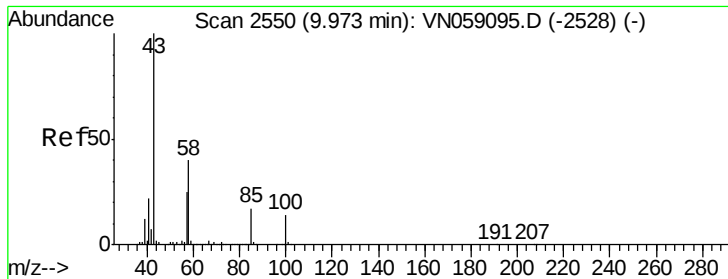
#50
Toluene-d8
Concen: 47.568 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059252.D
Acq: 15 Nov 2019 10:12

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	64.6	52.2	78.2	



Abundance Ion 98.00 (97.70 to 98.70): VN059252.D (-2490) (-)
Ion 100.00 (99.70 to 100.70): VN059252.D (-2490) (-)





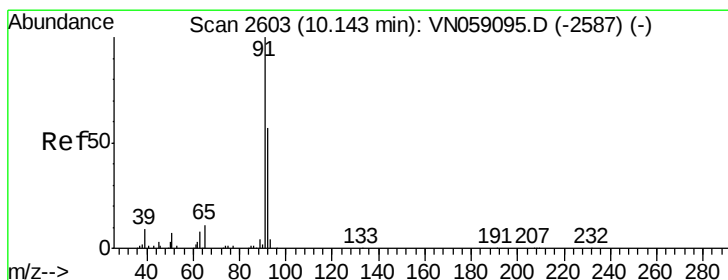
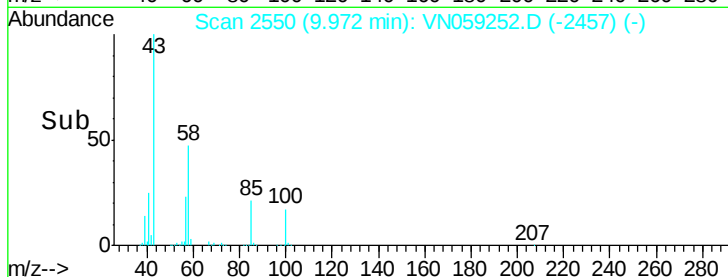
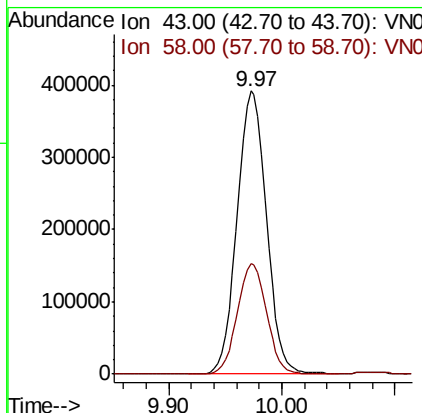
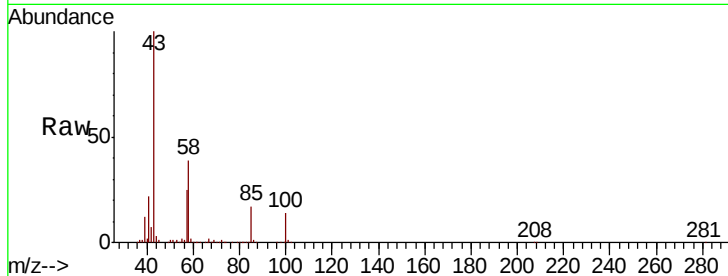
#51
4-Methyl-2-Pentanone
Concen: 121.584 ug/l
RT: 9.97 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VN059252.D
Acq: 15 Nov 2019 10:12

Instrument :
MSVOA_N
ClientSampleId :
VN1115WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.0	31.5	47.3

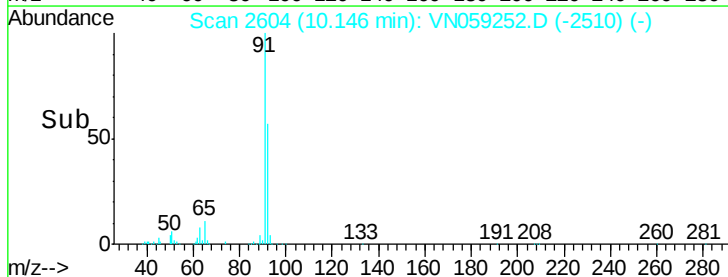
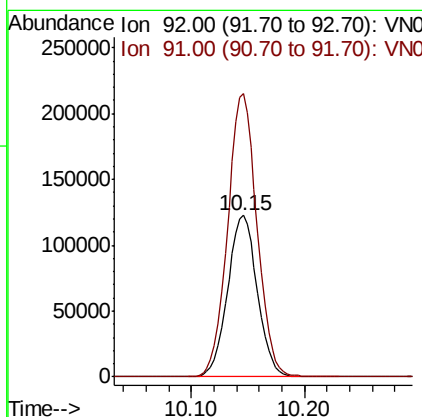
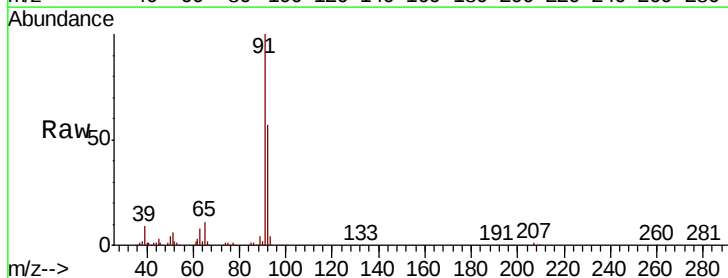
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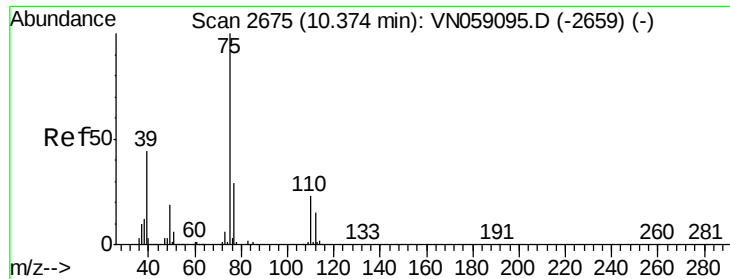
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#52
Toluene
Concen: 21.276 ug/l
RT: 10.15 min Scan# 2604
Delta R.T. 0.00 min
Lab File: VN059252.D
Acq: 15 Nov 2019 10:12

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.0	139.5	209.3





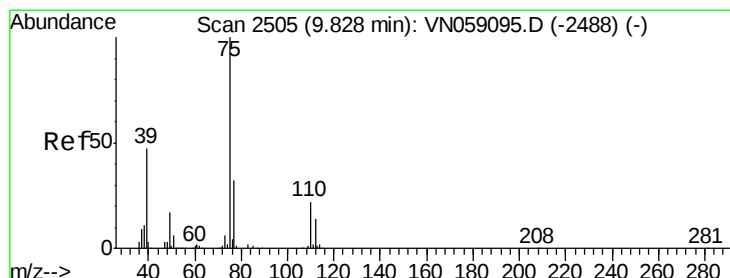
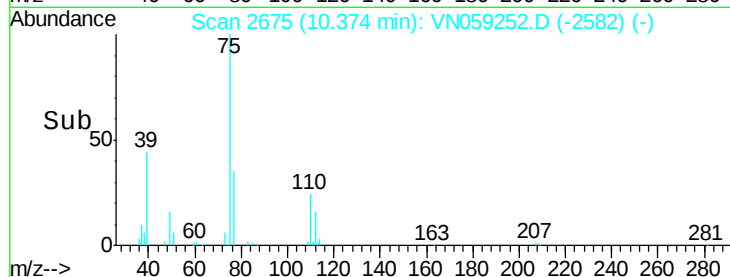
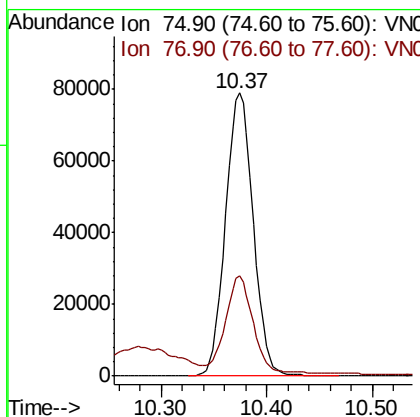
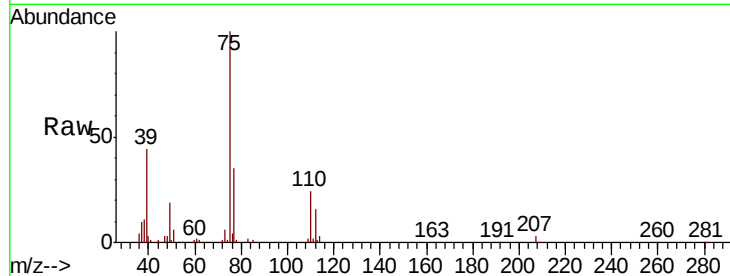
#53
t-1,3-Dichloropropene
Concen: 21.039 ug/l
RT: 10.37 min Scan# 2675
Delta R.T. -0.00 min
Lab File: VN059252.D
Acq: 15 Nov 2019 10:12

Instrument :
MSVOA_N
ClientSampleId :
VN1115WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	34.4	25.3	37.9

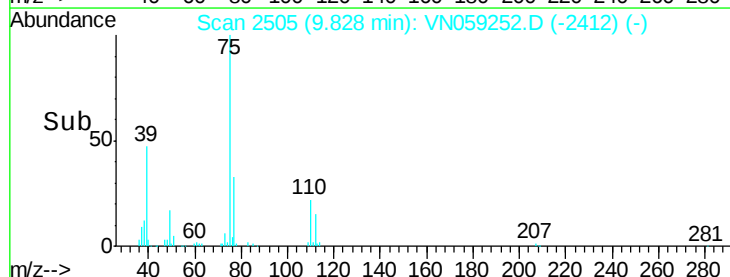
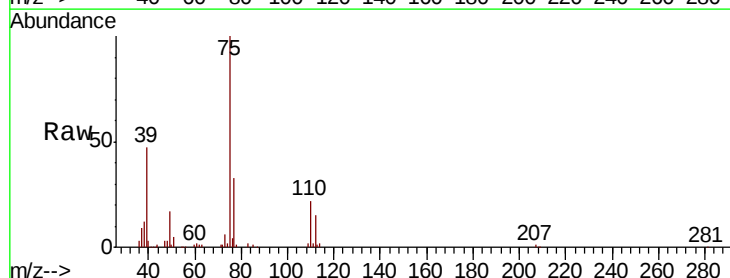
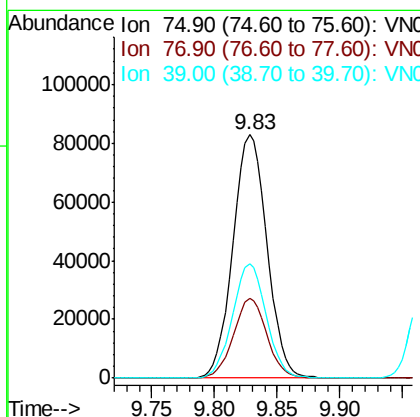
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#54
cis-1,3-Dichloropropene
Concen: 21.282 ug/l
RT: 9.83 min Scan# 2505
Delta R.T. -0.00 min
Lab File: VN059252.D
Acq: 15 Nov 2019 10:12

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.6	25.5	38.3
39	46.9	37.3	55.9





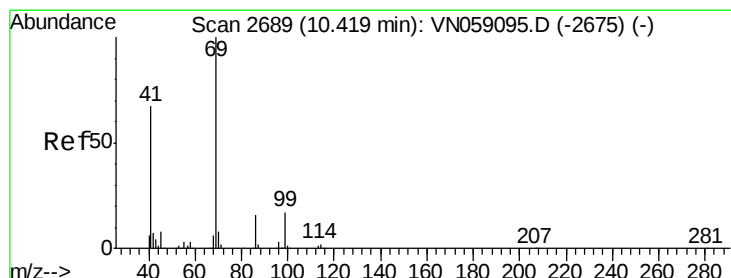
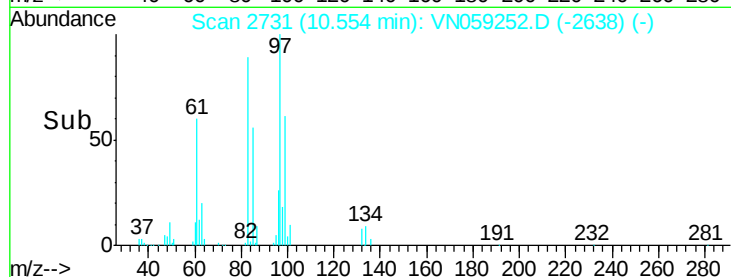
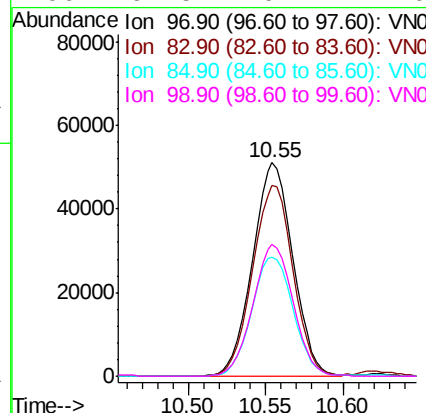
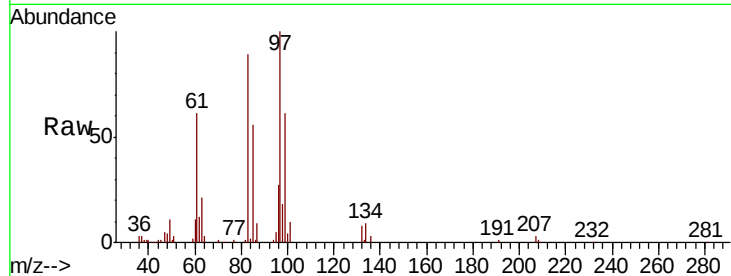
#55
 1,1,2-Trichloroethane
 Concen: 21.908 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059252.D
 Acq: 15 Nov 2019 10:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1115WBS01

Tot Ion:	97	Resp:	92922
Ion	Ratio	Lower	Upper
97	100		
83	89.0	71.0	106.4
85	56.0	45.8	68.8
99	61.5	49.4	74.0

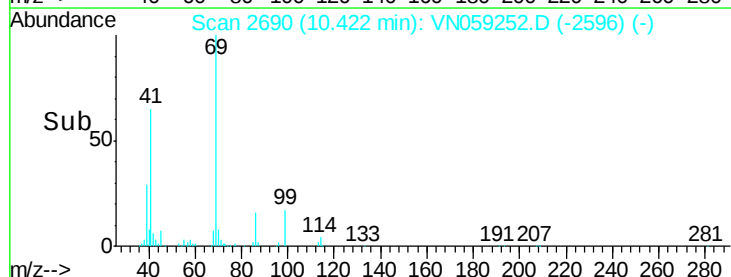
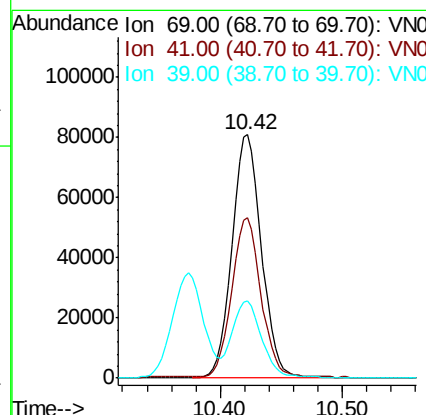
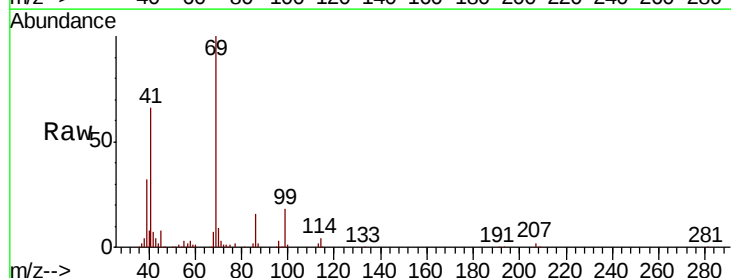
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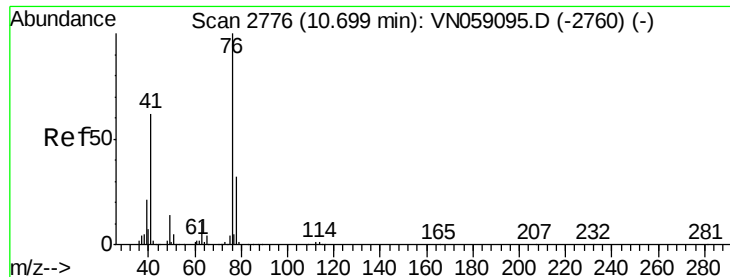
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#56
 Ethyl methacrylate
 Concen: 20.534 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059252.D
 Acq: 15 Nov 2019 10:12

Tgt Ion:	69	Resp:	137147
Ion	Ratio	Lower	Upper
69	100		
41	64.3	53.6	80.4
39	31.2	26.2	39.4





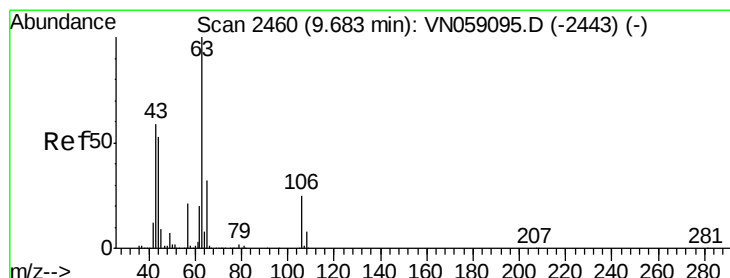
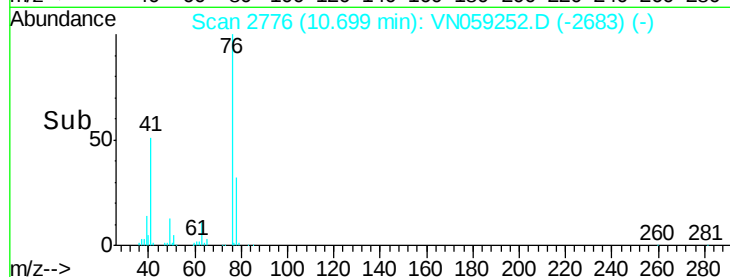
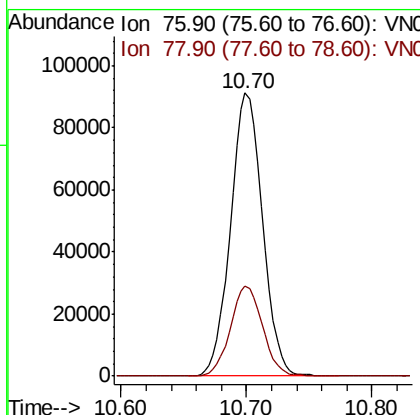
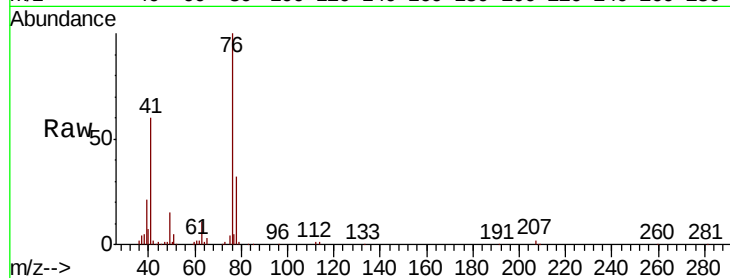
#57
 1,3-Dichloropropane
 Concen: 22.129 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. -0.00 min
 Lab File: VN059252.D
 Acq: 15 Nov 2019 10:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1115WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.8	38.8

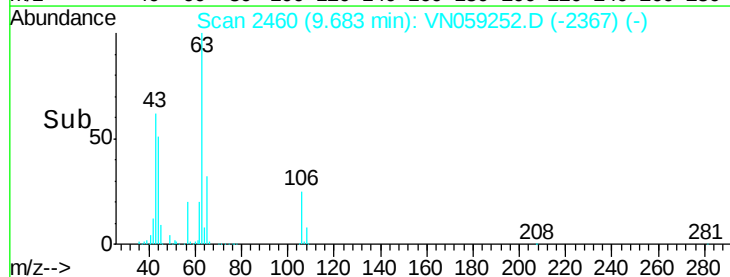
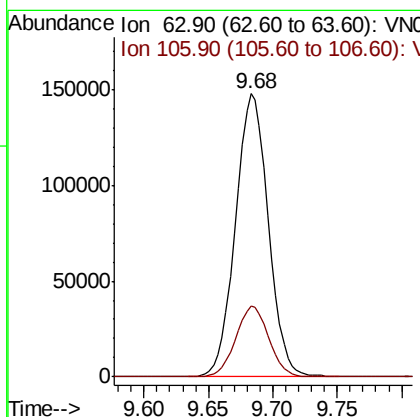
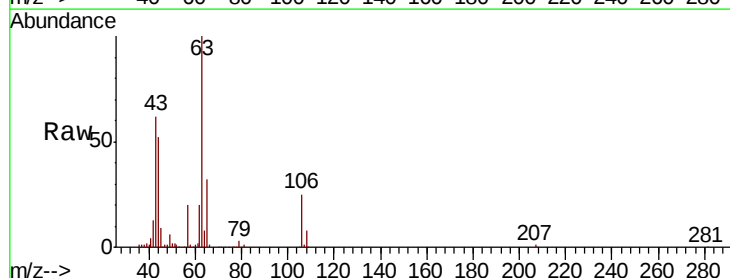
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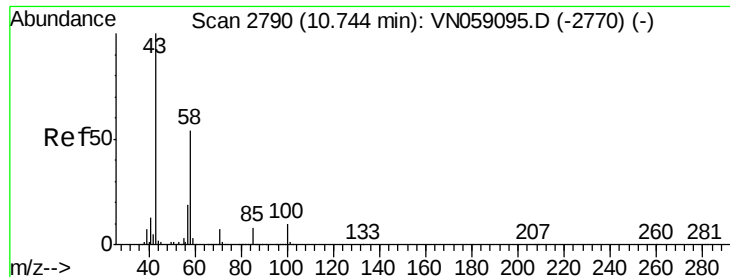
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#58
 2-Chloroethyl Vinyl ether
 Concen: 110.947 ug/l
 RT: 9.68 min Scan# 2460
 Delta R.T. -0.00 min
 Lab File: VN059252.D
 Acq: 15 Nov 2019 10:12

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.1	20.2	30.2





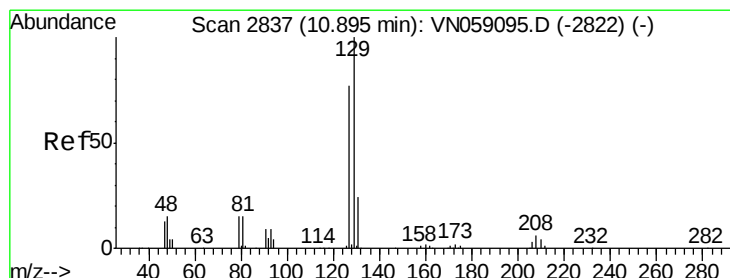
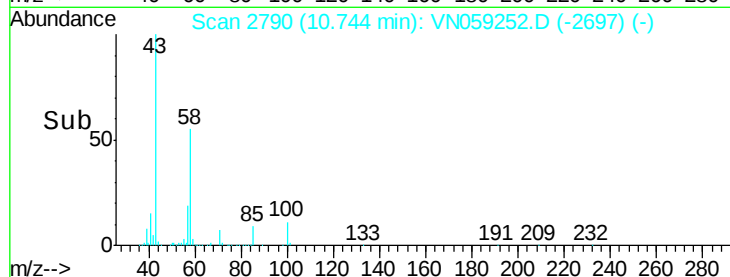
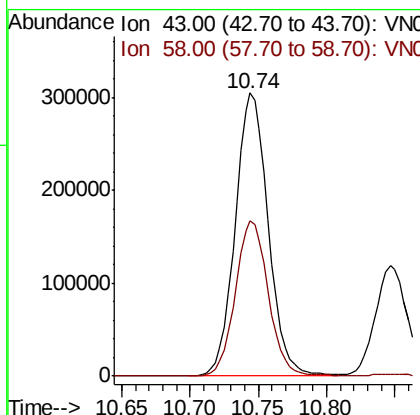
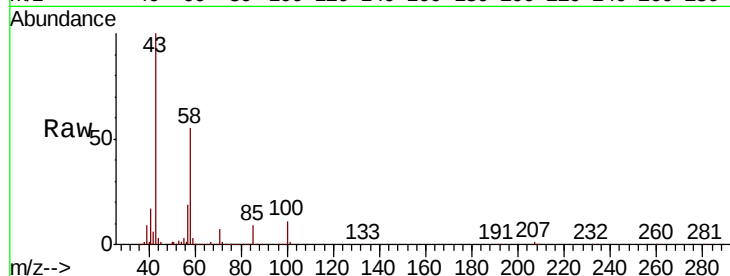
#59
2-Hexanone
Concen: 114.130 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059252.D
Acq: 15 Nov 2019 10:12

Instrument :
MSVOA_N
ClientSampleId :
VN1115WBS01

Tot Ion: 43 Resp: 510442
Ion Ratio Lower Upper
43 100
58 55.1 27.3 81.8

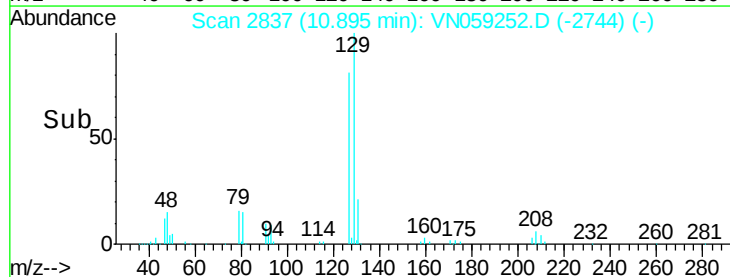
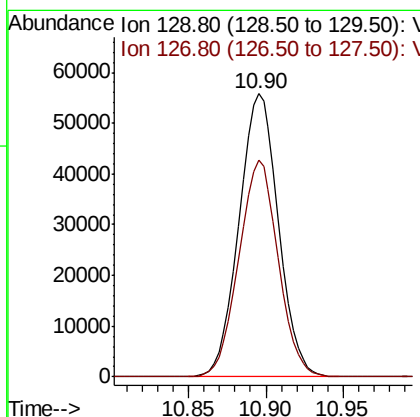
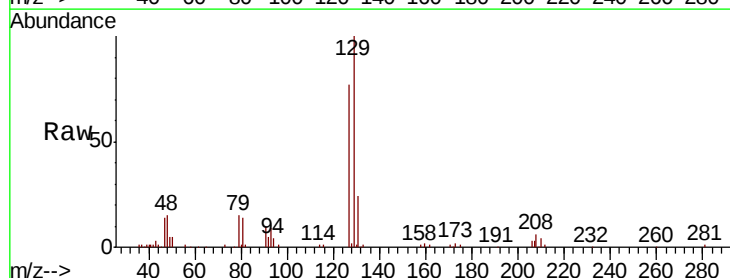
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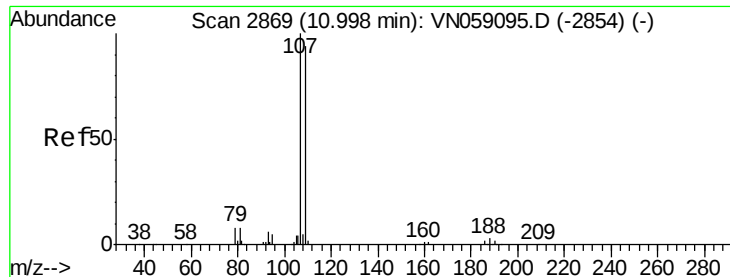
MMDadoda
11/18/2019 3:10:14 PM



#60
Dibromochloromethane
Concen: 22.001 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059252.D
Acq: 15 Nov 2019 10:12

Tgt Ion: 129 Resp: 98663
Ion Ratio Lower Upper
129 100
127 76.6 38.6 115.8





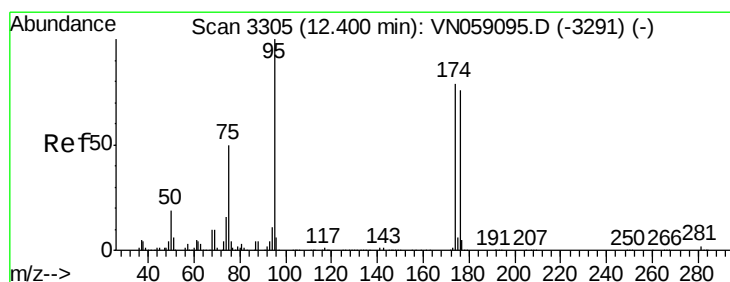
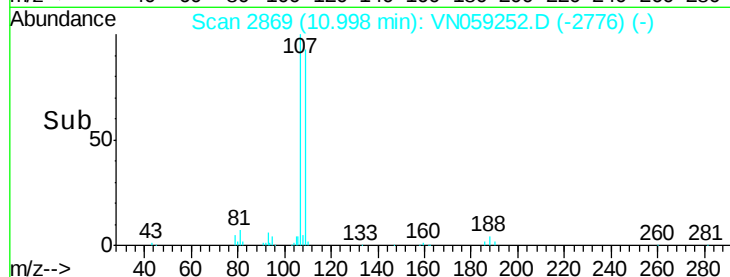
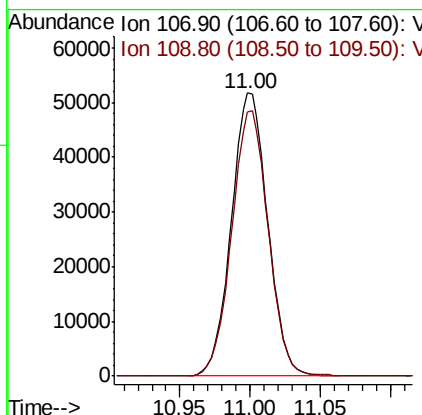
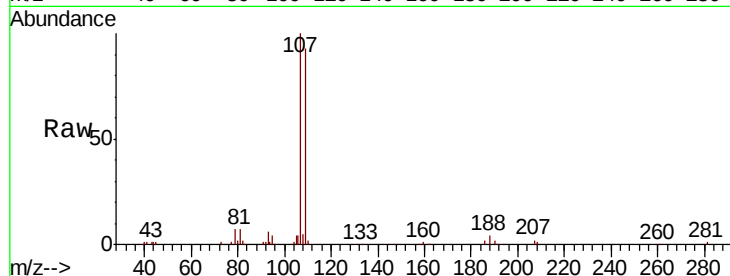
#61
 1,2-Dibromoethane
 Concen: 21.730 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VN059252.D
 Acq: 15 Nov 2019 10:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1115WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.5	113.3

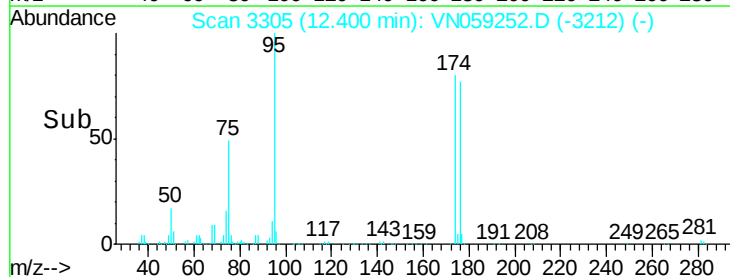
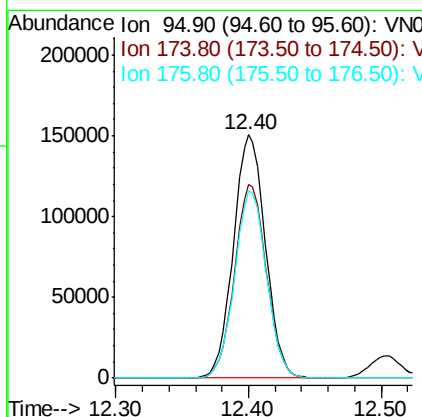
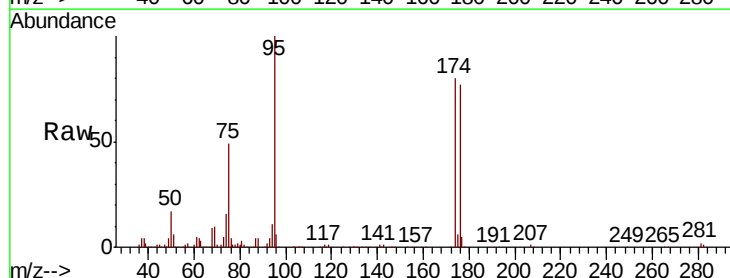
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 11/18/2019 3:10:14 PM



#62
 4-Bromofluorobenzene
 Concen: 47.933 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059252.D
 Acq: 15 Nov 2019 10:12

Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.3	0.0	158.2
176	76.9	0.0	151.8





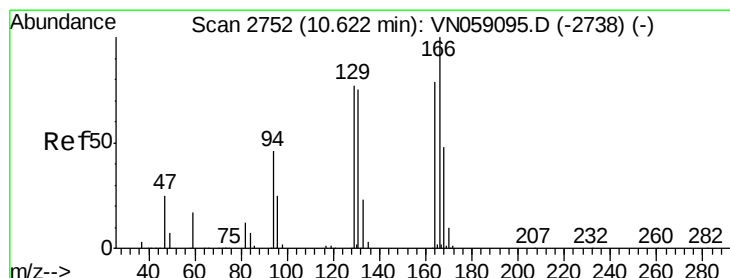
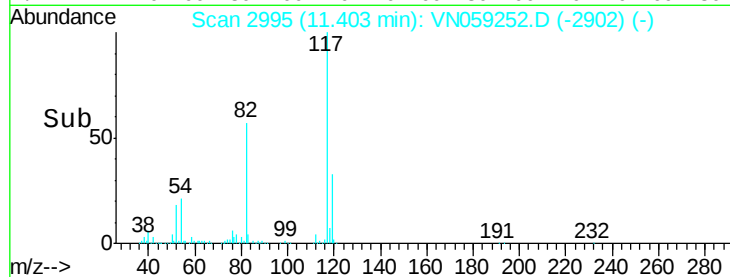
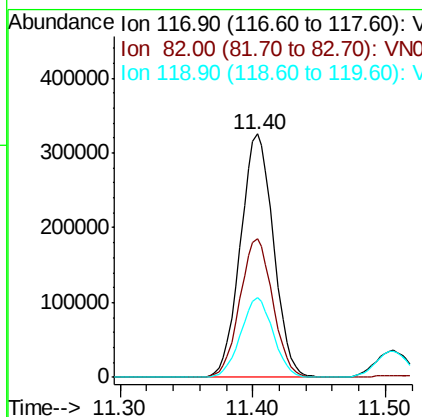
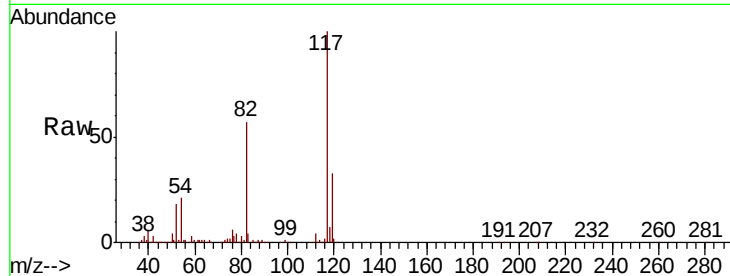
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059252.D
Acq: 15 Nov 2019 10:12

Instrument :
MSVOA_N
ClientSampleId :
VN1115WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.8	45.8	68.8
119	32.6	25.8	38.6

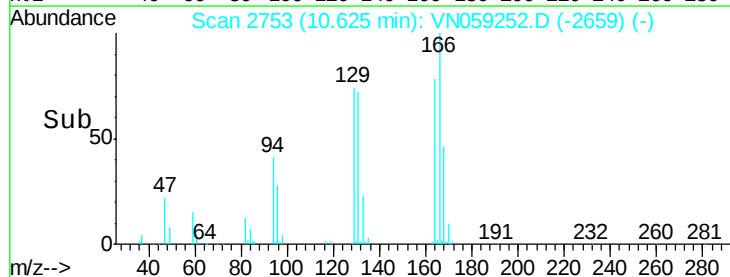
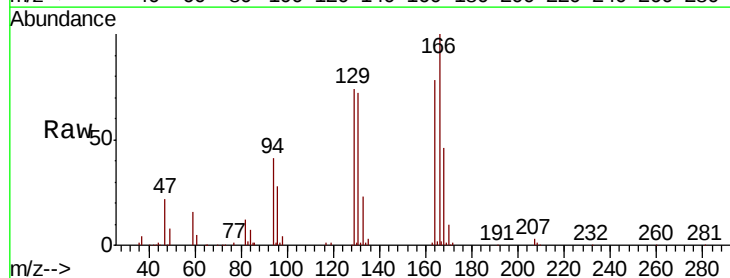
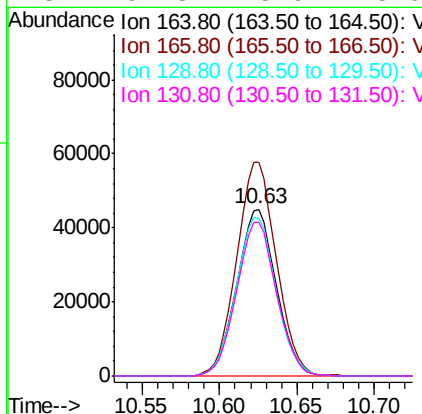
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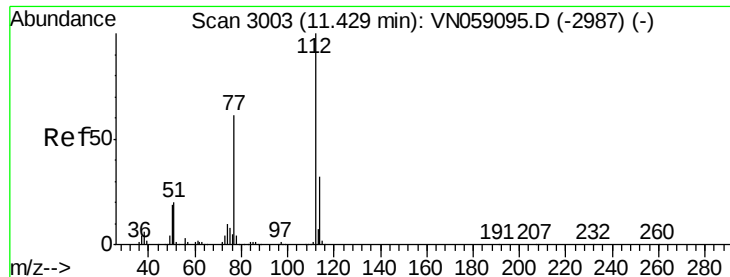
MMDadoda
11/18/2019 3:10:14 PM



#64
Tetrachloroethene
Concen: 20.888 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059252.D
Acq: 15 Nov 2019 10:12

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.2	101.5	152.3
129	94.8	78.3	117.5
131	92.3	75.9	113.9





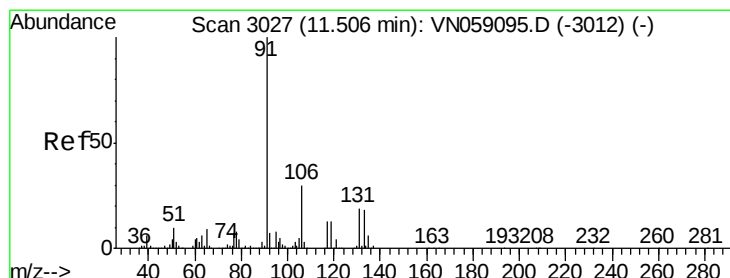
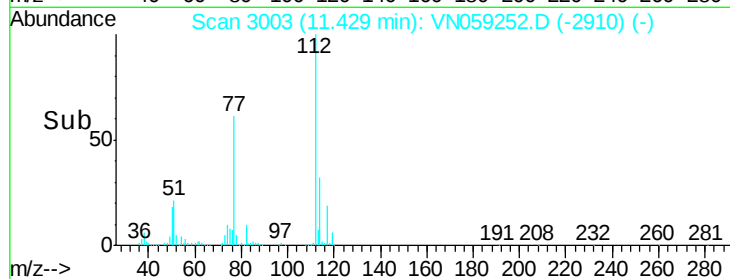
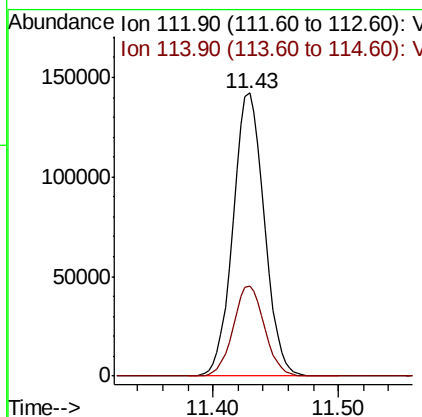
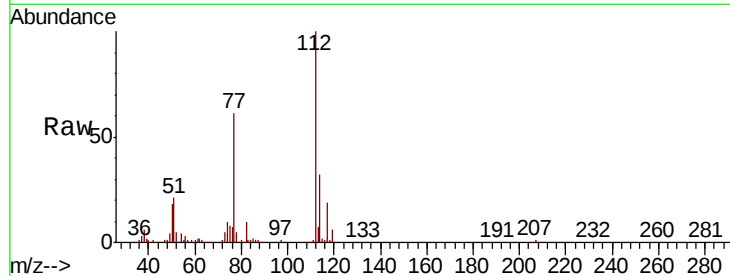
#65
Chlorobenzene
Concen: 22.438 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059252.D
Acq: 15 Nov 2019 10:12

Instrument :
MSVOA_N
ClientSampleId :
VN1115WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.2	37.8

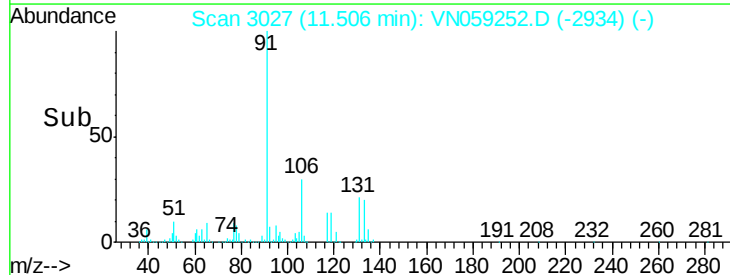
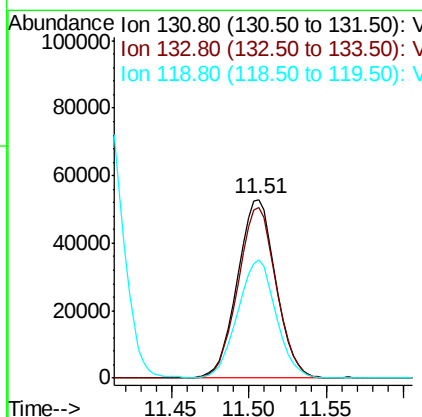
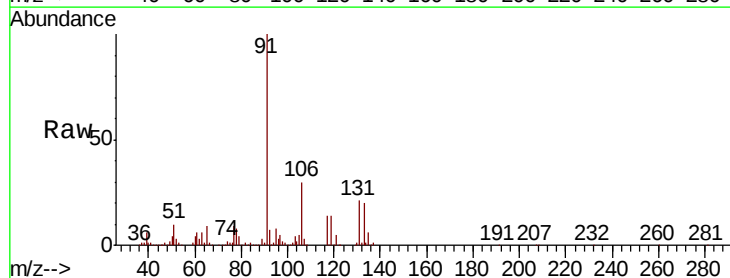
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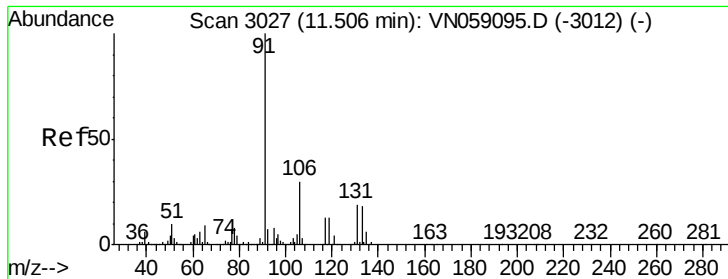
MMDadoda
11/18/2019 3:10:14 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 22.249 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN059252.D
Acq: 15 Nov 2019 10:12

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.8	47.4	142.3
119	66.1	33.2	99.6





#67

Ethyl Benzene

Concen: 21.806 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059252.D

Acq: 15 Nov 2019 10:12

Instrument :

MSVOA_N

ClientSampleId :

VN1115WBS01

Tot Ion: 91 Resp: 423806

Ion Ratio Lower Upper

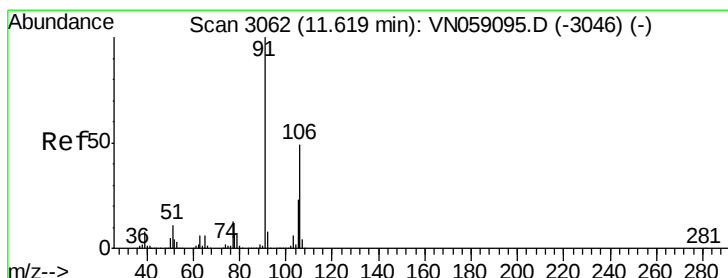
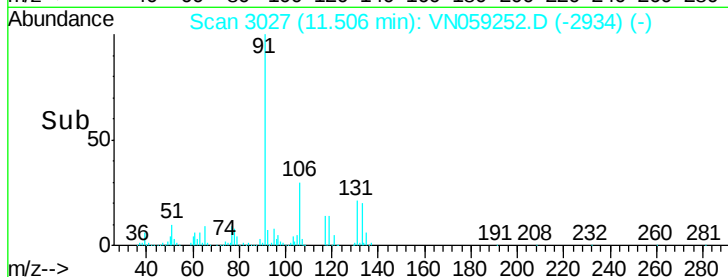
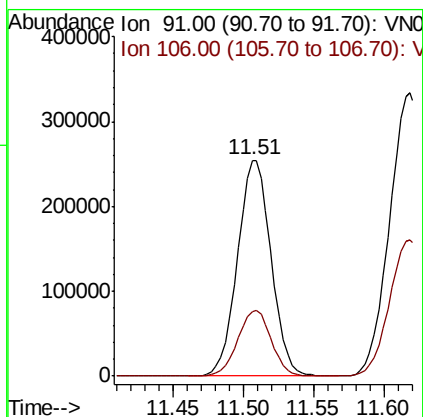
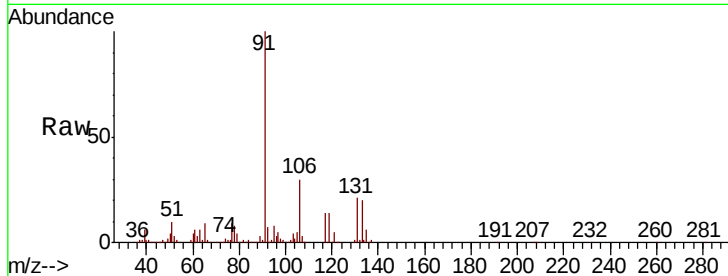
91 100

106 30.0 24.1 36.1

Manual Integrations
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#68

m/p-Xylenes

Concen: 43.035 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059252.D

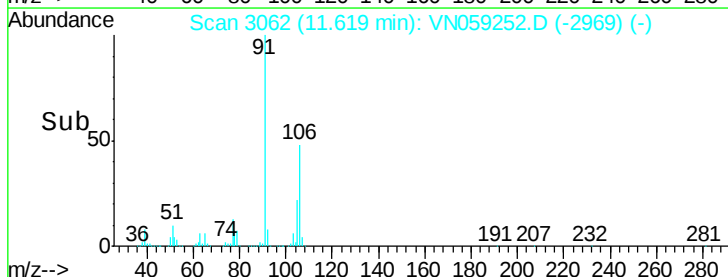
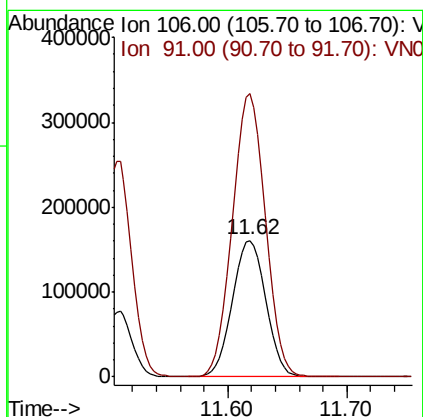
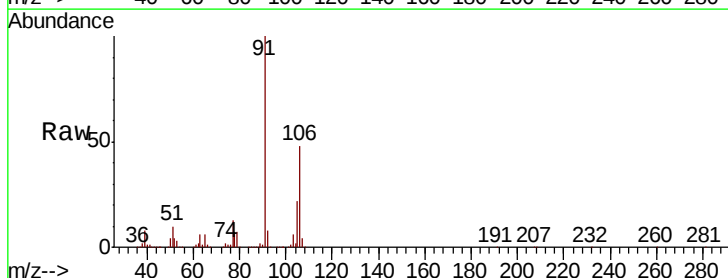
Acq: 15 Nov 2019 10:12

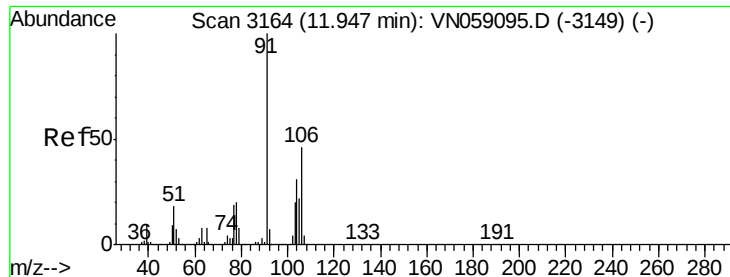
Tgt Ion: 106 Resp: 313314

Ion Ratio Lower Upper

106 100

91 204.4 164.7 247.1





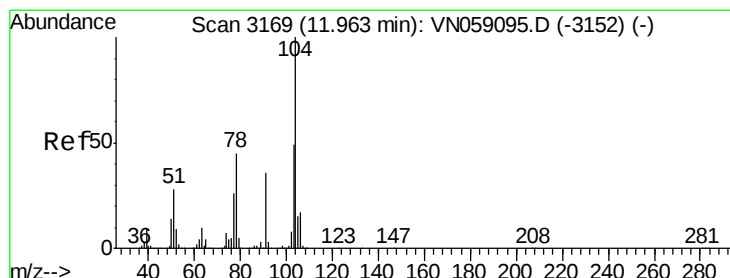
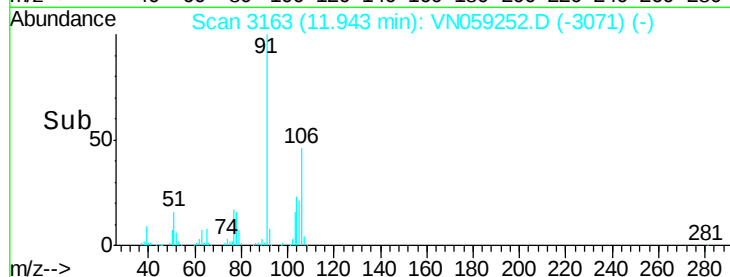
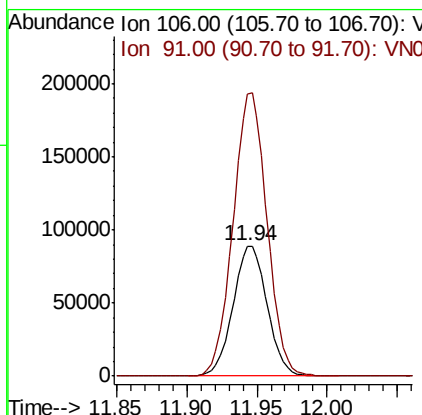
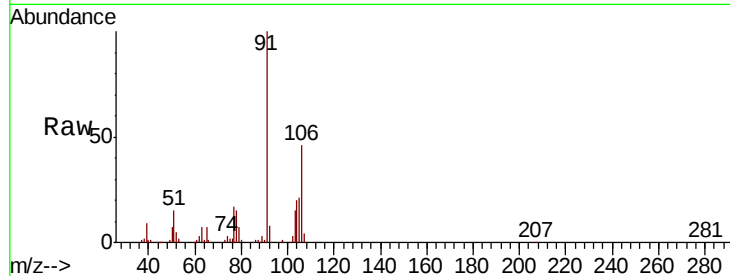
#69
o-Xylene
Concen: 21.407 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN059252.D
Acq: 15 Nov 2019 10:12

Instrument :
MSVOA_N
ClientSampleId :
VN1115WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	150618		
91	91	216.6	110.1	330.3	

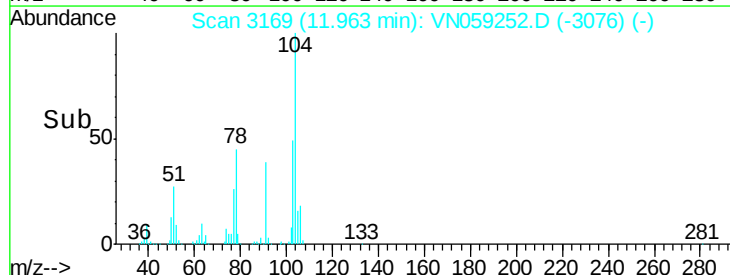
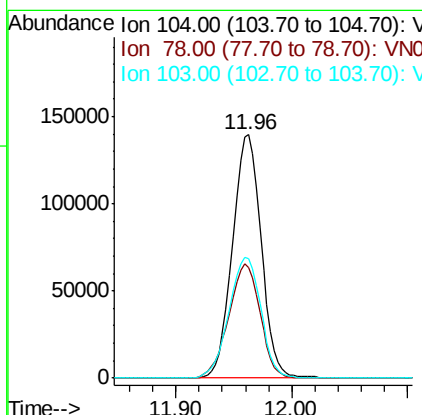
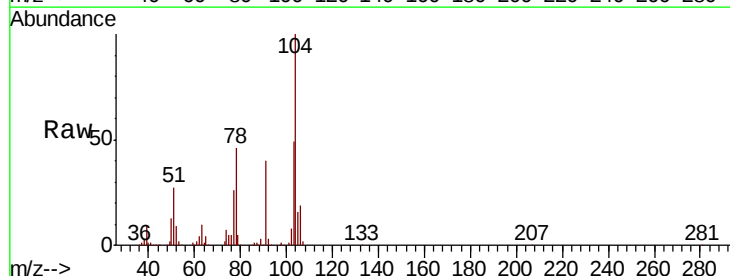
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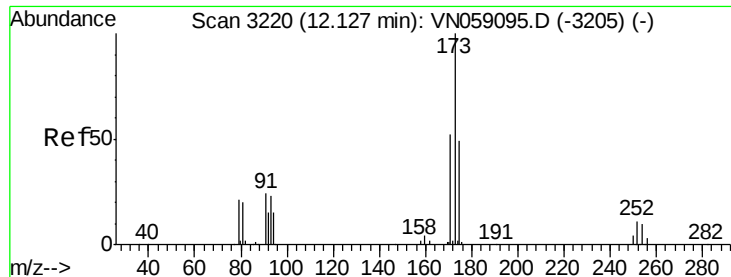
MMDadoda
11/18/2019 3:10:14 PM



#70
Styrene
Concen: 21.610 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059252.D
Acq: 15 Nov 2019 10:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	239125		
78	78	51.6	41.2	61.8	
103	103	55.2	43.8	65.6	





#71

Bromoform

Concen: 22.076 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN059252.D

Acq: 15 Nov 2019 10:12

Instrument :

MSVOA_N

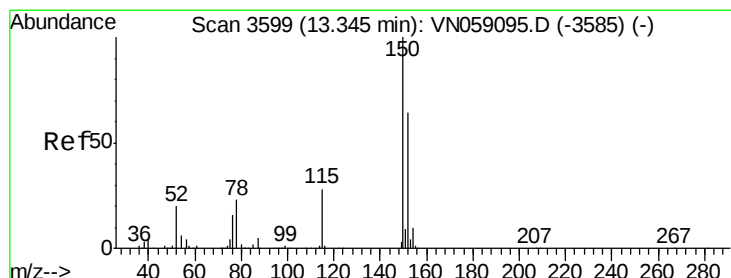
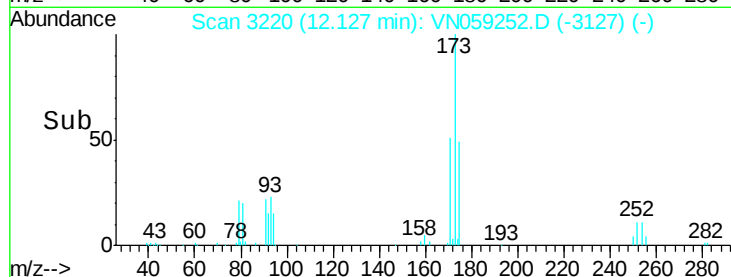
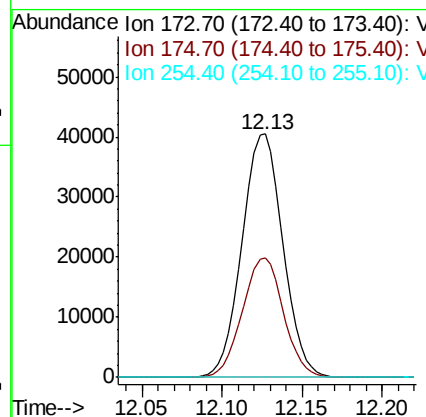
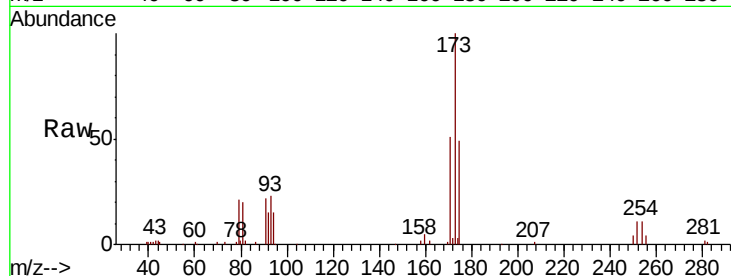
ClientSampleId :

VN1115WBS01

Tot Ion:	173	Resp:	70562
Ion Ratio	Lower	Upper	
173	100		
175	49.4	24.2	72.6
254	0.0	0.1	0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

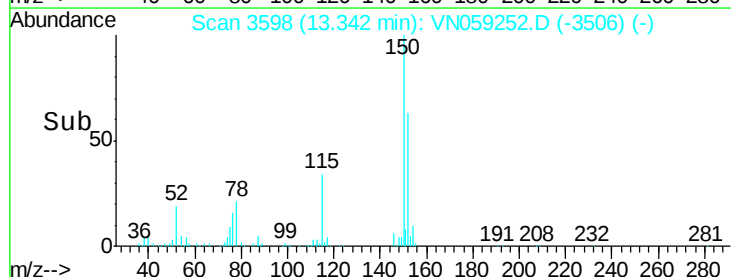
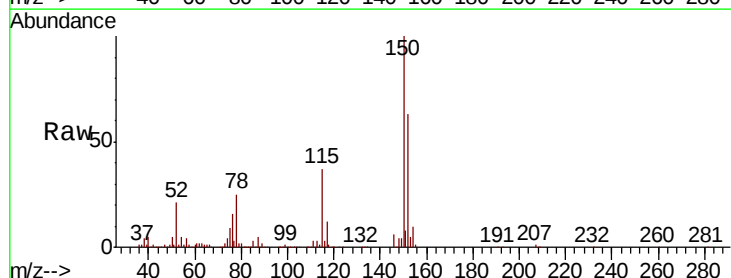
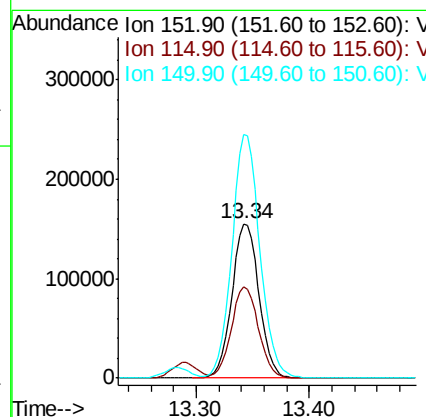
RT: 13.34 min Scan# 3598

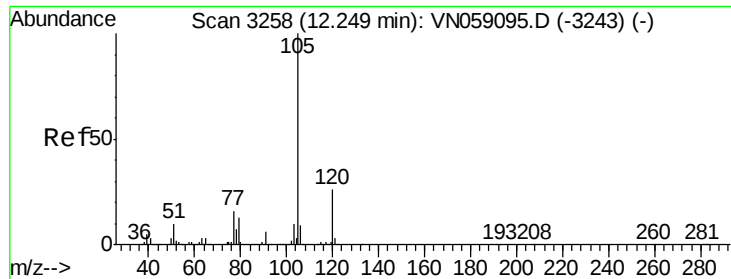
Delta R.T. -0.00 min

Lab File: VN059252.D

Acq: 15 Nov 2019 10:12

Tgt Ion:	152	Resp:	258612
Ion Ratio	Lower	Upper	
152	100		
115	58.9	29.4	88.2
150	163.0	0.0	345.8





#73

Isopropylbenzene

Concen: 21.775 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059252.D

Acq: 15 Nov 2019 10:12

Instrument :

MSVOA_N

ClientSampleId :

VN1115WBS01

Tot Ion: 105 Resp: 409622

Ion Ratio Lower Upper

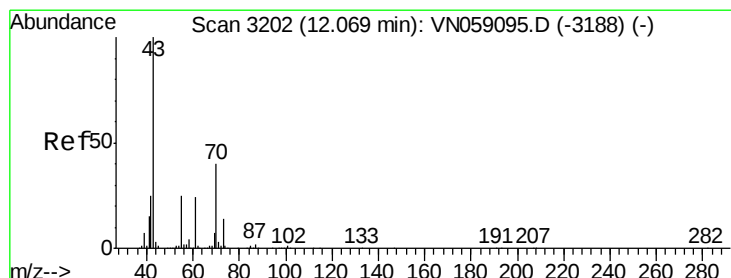
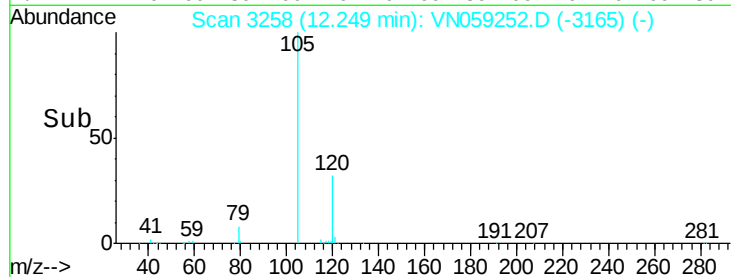
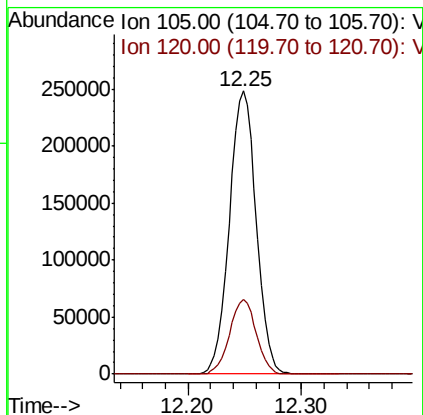
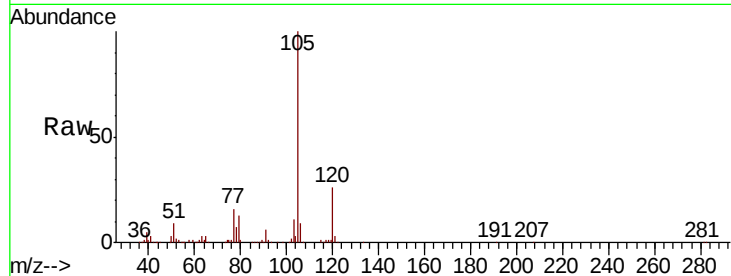
105 100

120 26.2 13.1 39.3

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#74

N-ethyl acetate

Concen: 21.113 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059252.D

Acq: 15 Nov 2019 10:12

Tgt Ion: 43 Resp: 168292

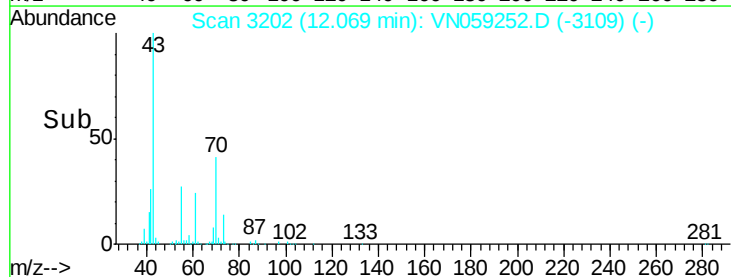
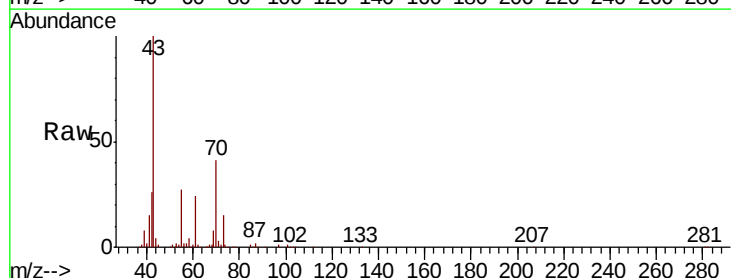
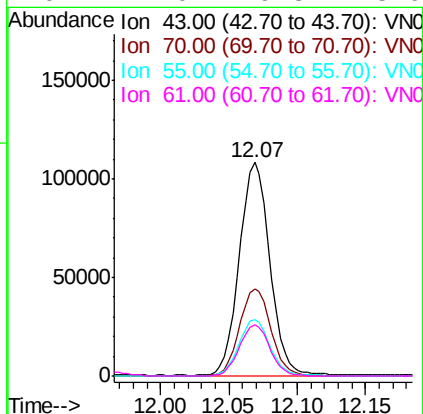
Ion Ratio Lower Upper

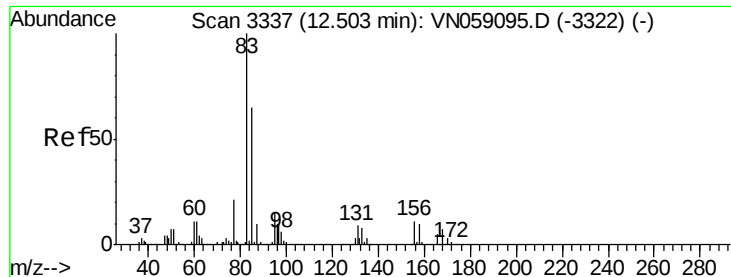
43 100

70 42.3 32.2 48.4

55 27.1 20.4 30.6

61 24.0 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 22.809 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059252.D

Acq: 15 Nov 2019 10:12

Instrument :

MSVOA_N

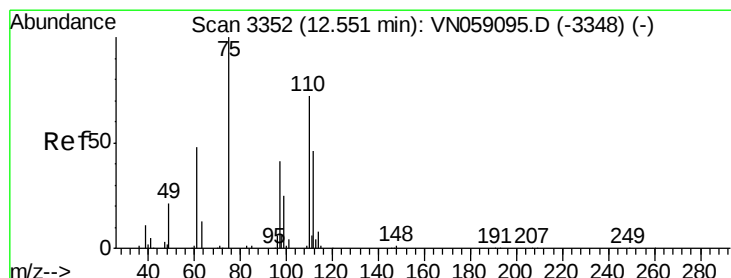
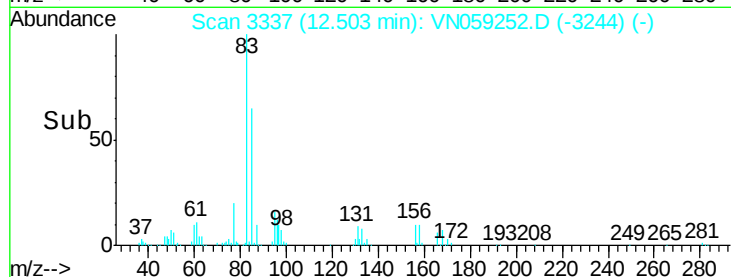
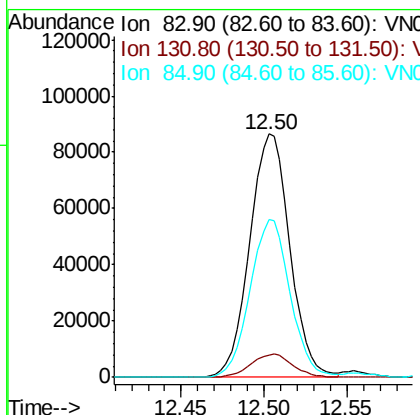
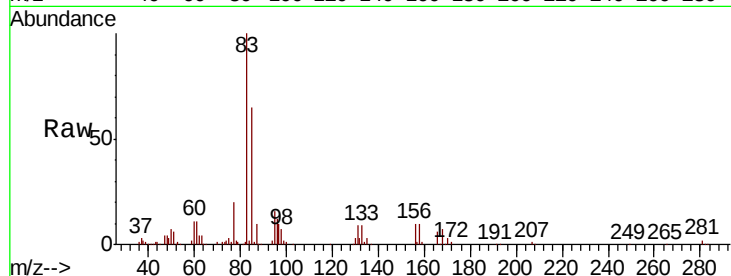
ClientSampleId :

VN1115WBS01

Tot Ion:	83	Resp:	146119
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.9	14.6
85	64.7	32.4	97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.532 ug/l m

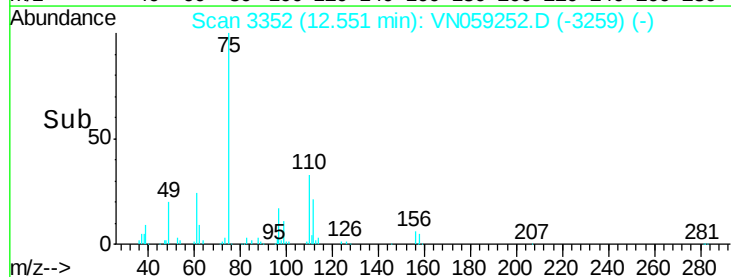
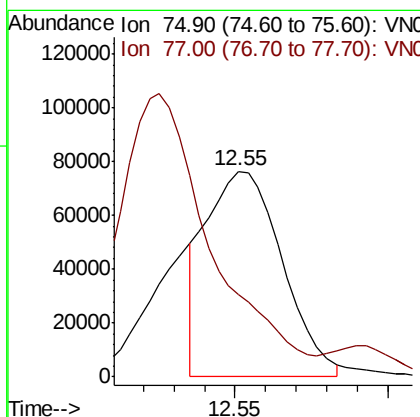
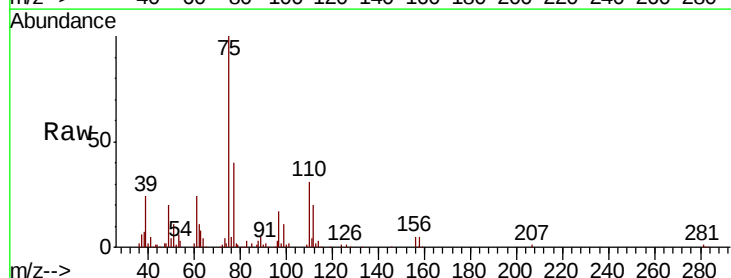
RT: 12.55 min Scan# 3352

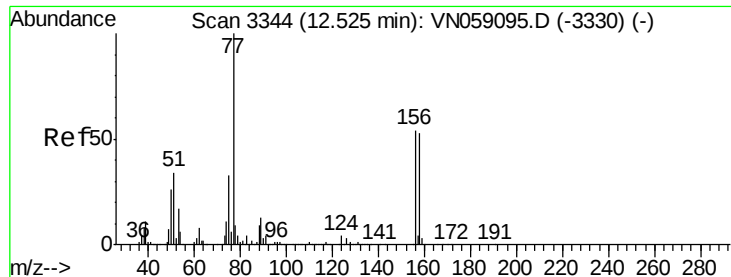
Delta R.T. -0.00 min

Lab File: VN059252.D

Acq: 15 Nov 2019 10:12

Tgt Ion:	75	Resp:	132661
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.110 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059252.D

Acq: 15 Nov 2019 10:12

Instrument :

MSVOA_N

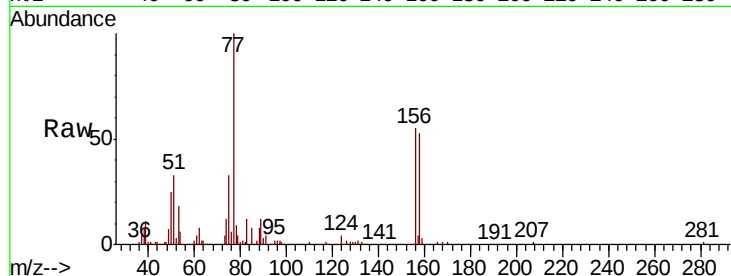
ClientSampleId :

VN1115WBS01

Tot Ion:	156	Resp:	99771
Ion Ratio	Lower	Upper	
156	100		
77	224.1	112.8	338.3
158	96.3	48.4	145.3

Manual Integrations
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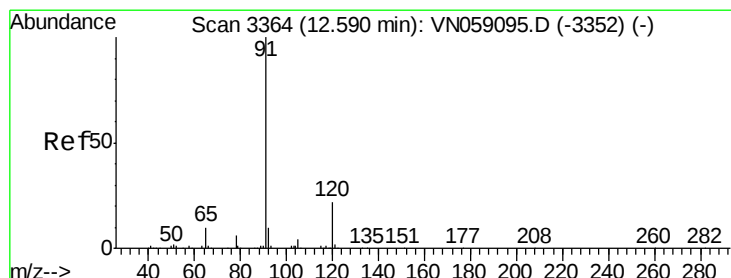
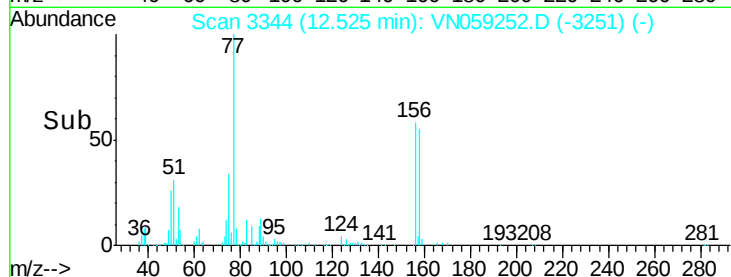
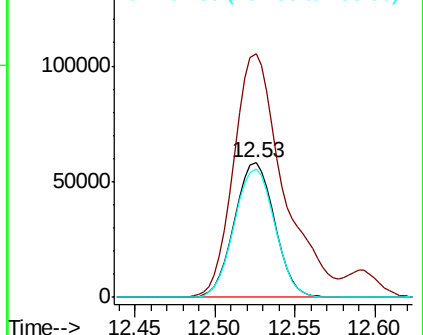
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.532 ug/l

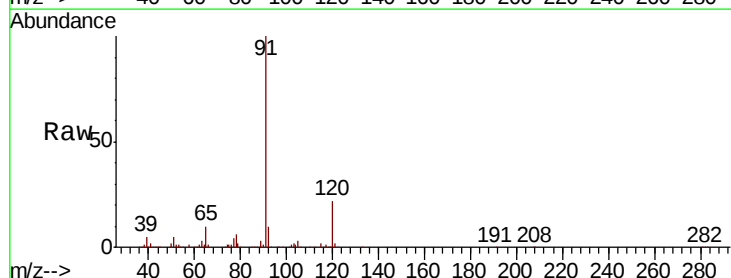
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN059252.D

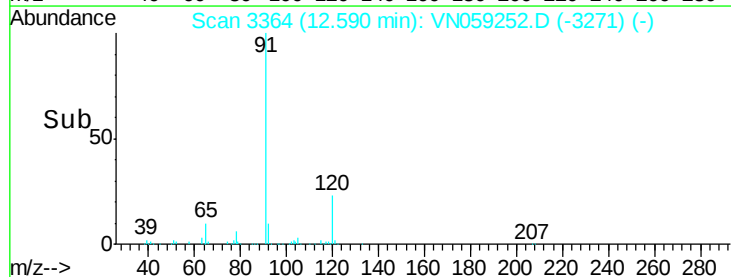
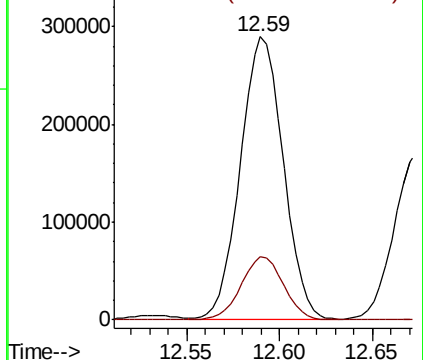
Acq: 15 Nov 2019 10:12

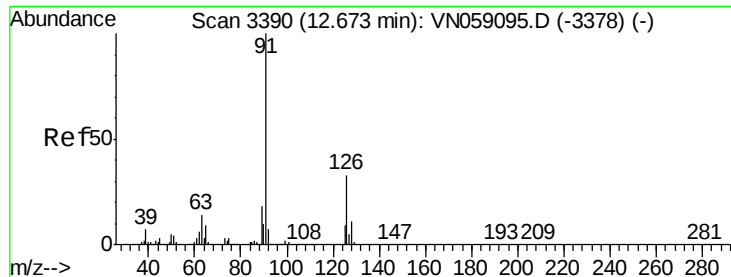
Tgt Ion:	91	Resp:	463773
Ion Ratio	Lower	Upper	
91	100		
120	22.2	11.2	33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





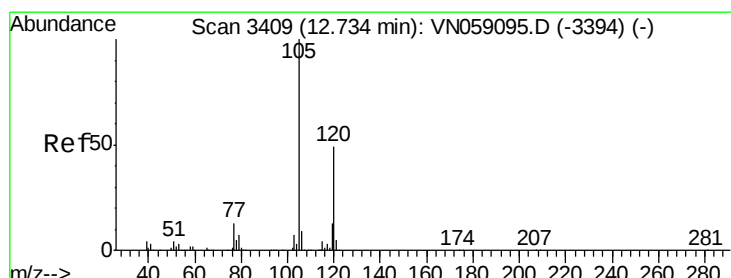
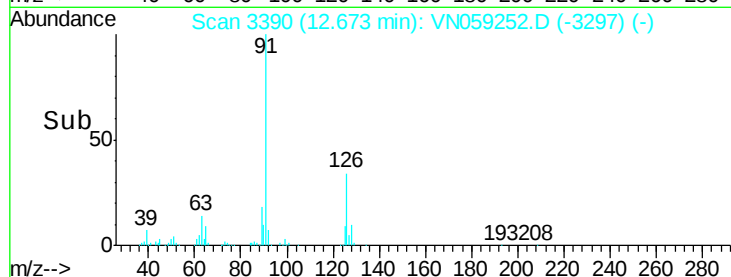
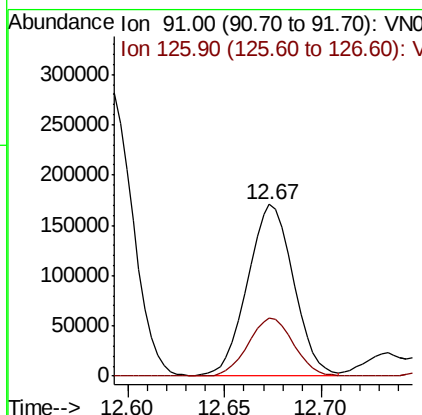
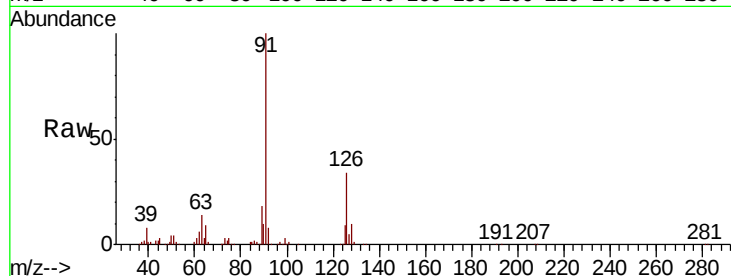
#79
2-Chlorotoluene
Concen: 20.996 ug/l
RT: 12.67 min Scan# 3390
Delta R.T. -0.00 min
Lab File: VN059252.D
Acq: 15 Nov 2019 10:12

Instrument :
MSVOA_N
ClientSampleId :
VN1115WBS01

Tot Ion: 91 Resp: 280548
Ion Ratio Lower Upper
91 100
126 33.7 16.7 50.1

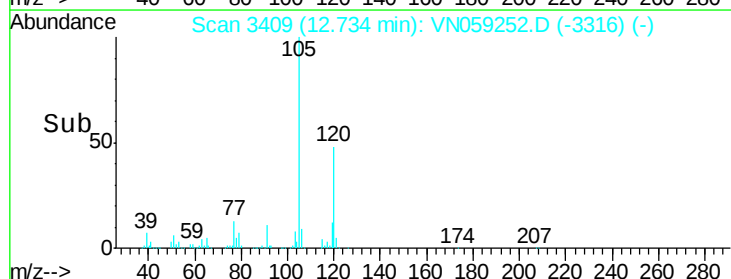
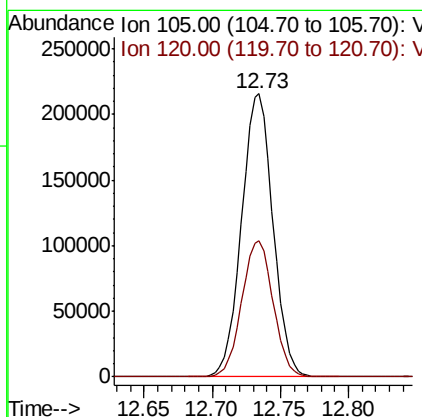
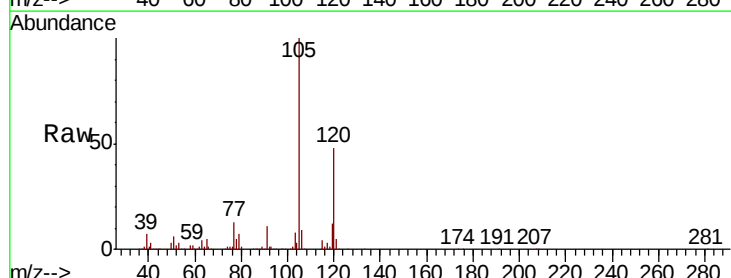
Manual Integrations
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#80
1,3,5-Trimethylbenzene
Concen: 21.509 ug/l
RT: 12.73 min Scan# 3409
Delta R.T. -0.00 min
Lab File: VN059252.D
Acq: 15 Nov 2019 10:12

Tgt Ion: 105 Resp: 342850
Ion Ratio Lower Upper
105 100
120 48.3 24.0 72.0





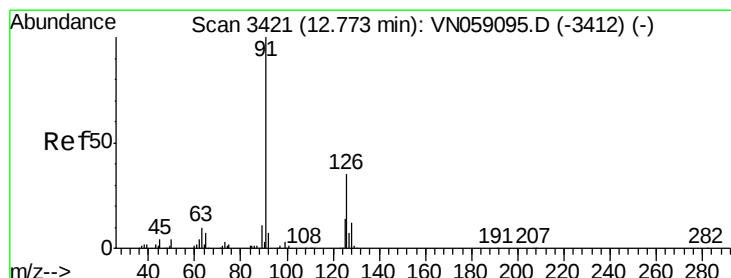
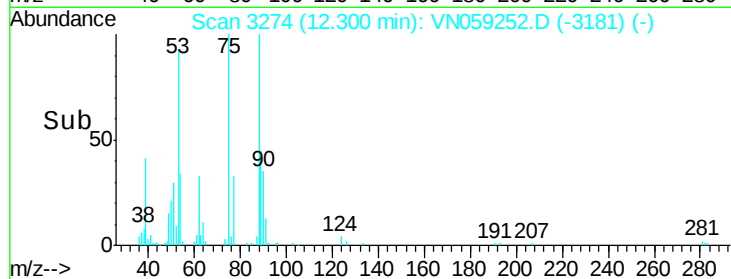
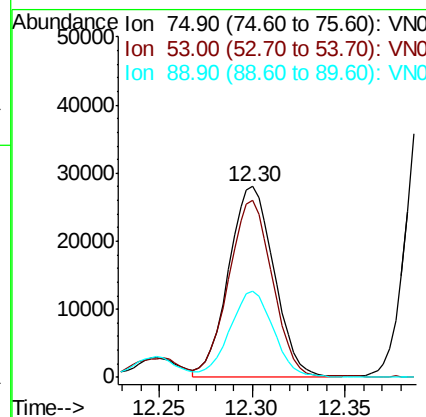
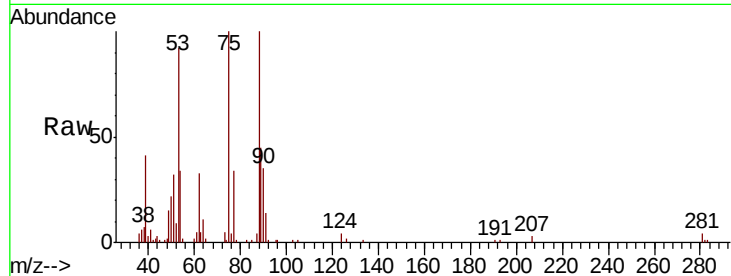
#81
trans-1,4-Dichloro-2-butene
Concen: 21.368 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN059252.D
Acq: 15 Nov 2019 10:12

Instrument :
MSVOA_N
ClientSampleId :
VN1115WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.5	72.2	108.2
89	44.1	35.8	53.8

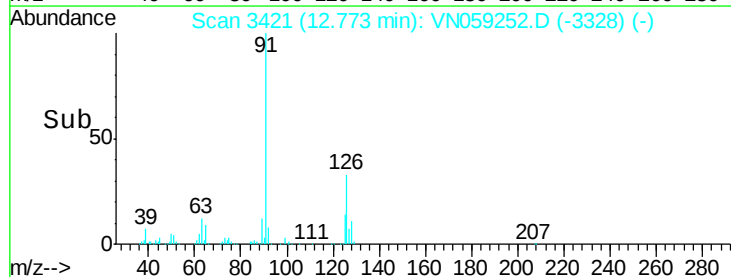
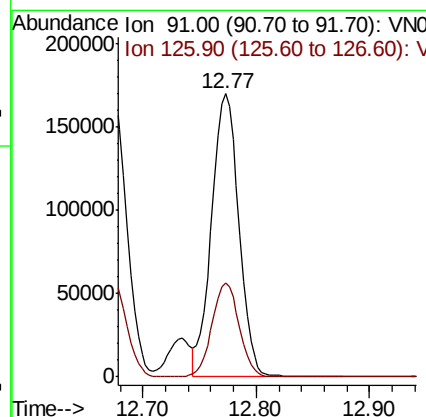
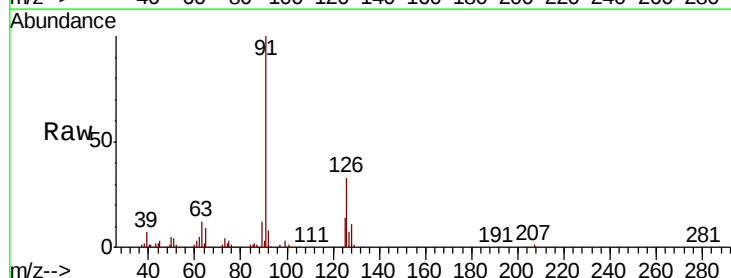
Manual Integrations
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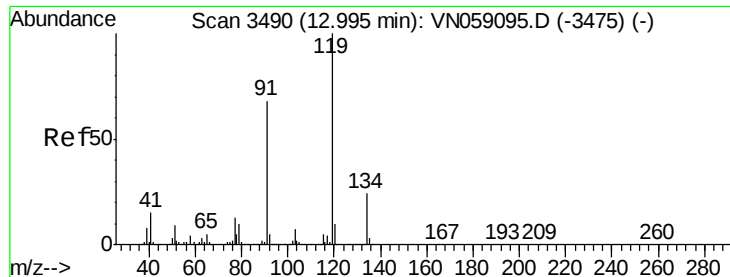
MMDadoda
11/18/2019 3:10:14 PM



#82
4-Chlorotoluene
Concen: 21.121 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN059252.D
Acq: 15 Nov 2019 10:12

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.1	48.2





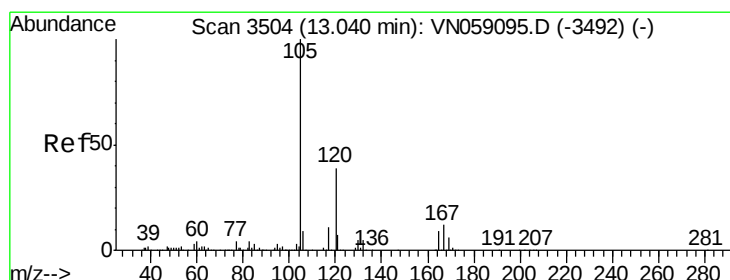
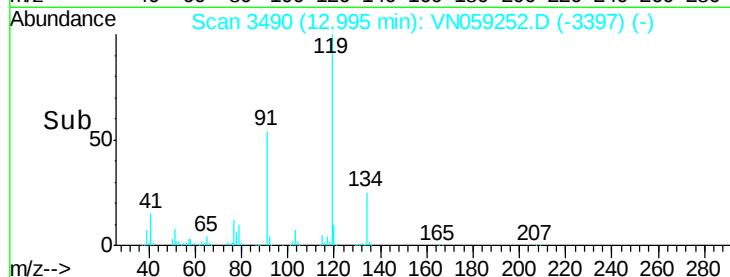
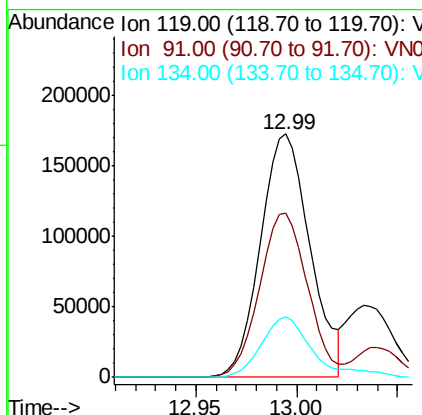
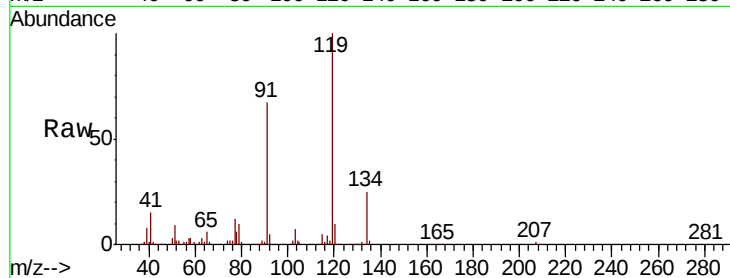
#83
tert-Butylbenzene
Concen: 21.453 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN059252.D
Acq: 15 Nov 2019 10:12

Instrument :
MSVOA_N
ClientSampleId :
VN1115WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	295316		
91	65.0	33.2	99.6	
134	25.9	12.7	38.1	

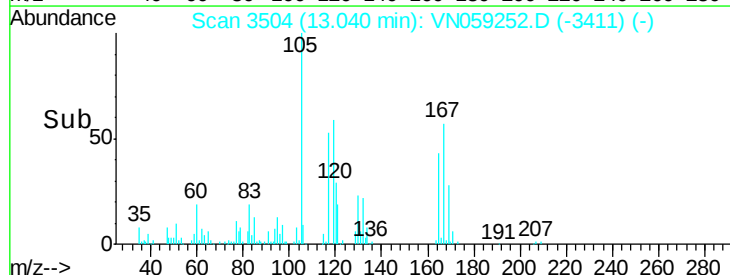
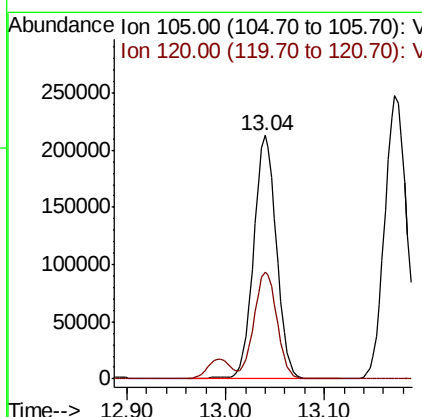
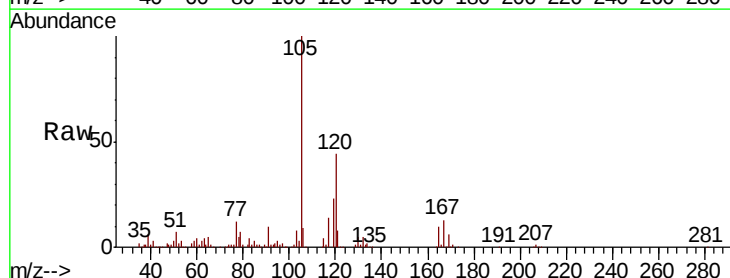
Manual Integrations
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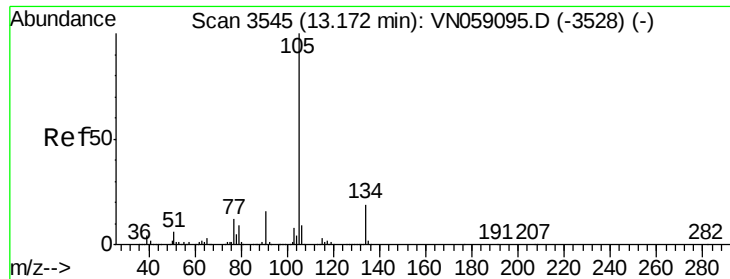
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#84
1,2,4-Trimethylbenzene
Concen: 21.908 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN059252.D
Acq: 15 Nov 2019 10:12

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	337863		
120	44.6	22.8	68.4	





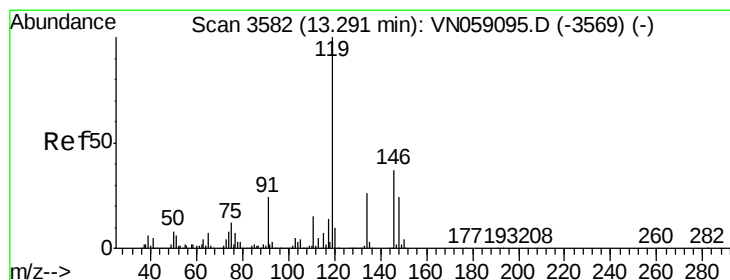
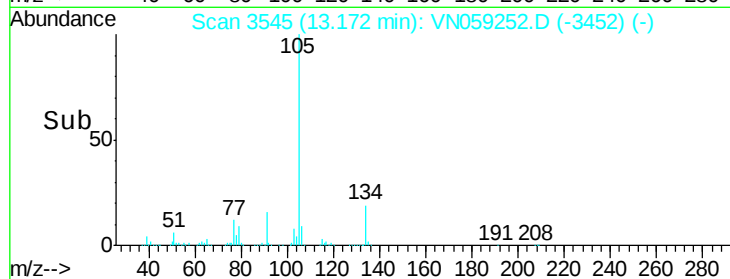
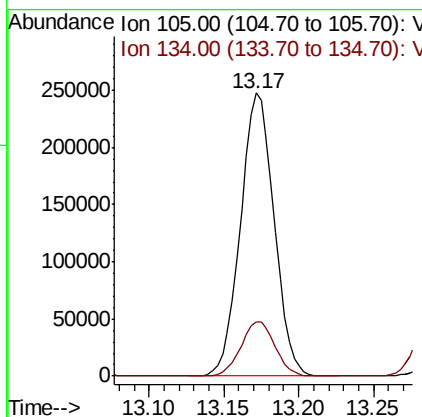
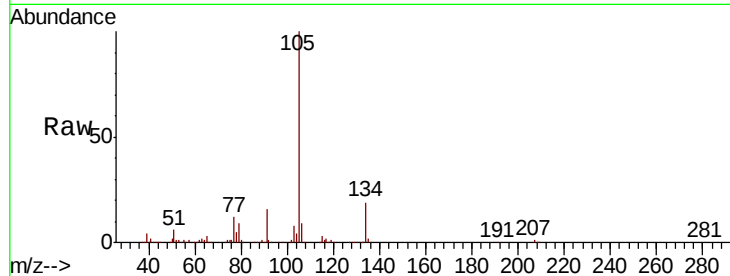
#85
 sec-Butylbenzene
 Concen: 21.591 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN059252.D
 Acq: 15 Nov 2019 10:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1115WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.7	29.1

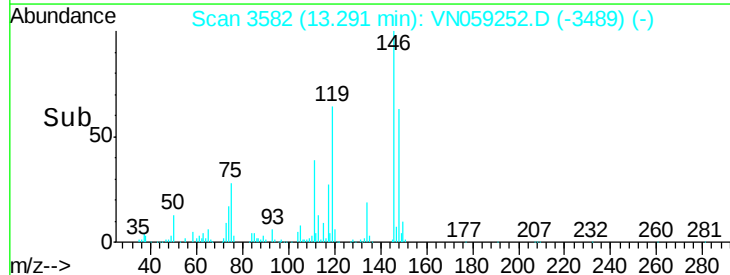
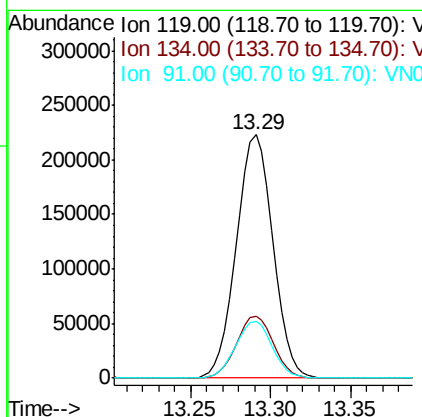
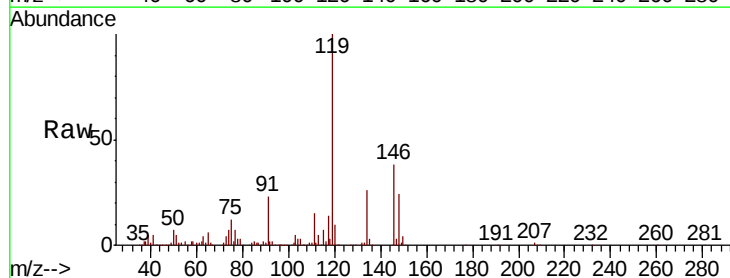
Manual Integrations
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#86
 p-Isopropyltoluene
 Concen: 21.842 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN059252.D
 Acq: 15 Nov 2019 10:12

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.0	38.9
91	23.8	11.7	35.1





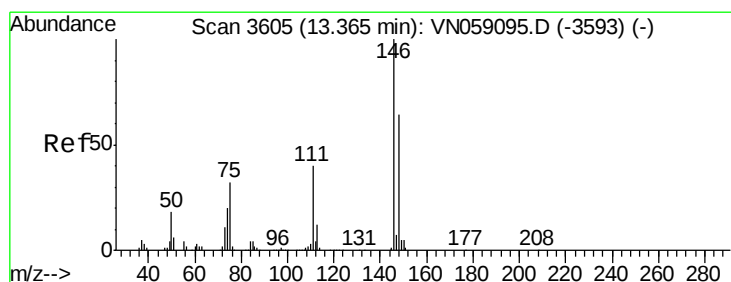
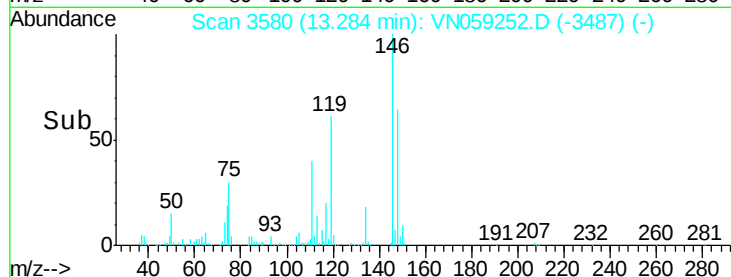
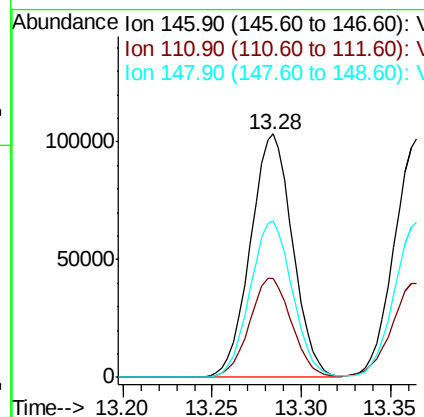
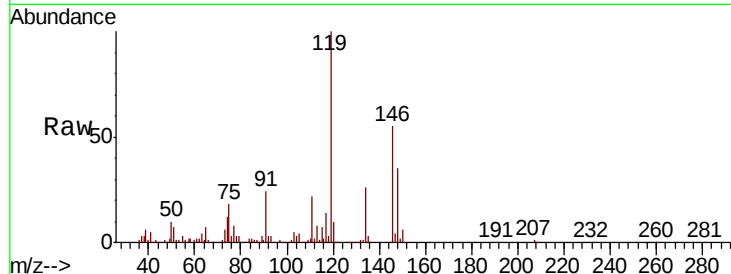
#87
 1,3-Dichlorobenzene
 Concen: 21.184 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN059252.D
 Acq: 15 Nov 2019 10:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1115WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	171450		
111	40.5	20.4	61.3	
148	64.4	32.2	96.6	

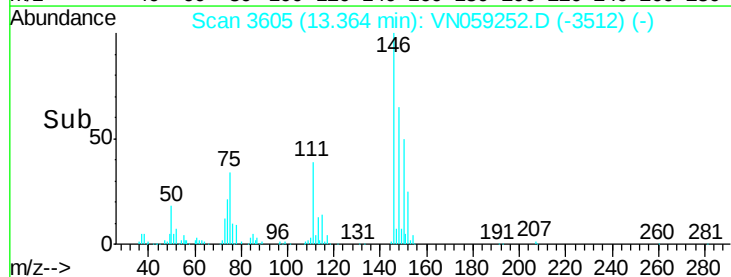
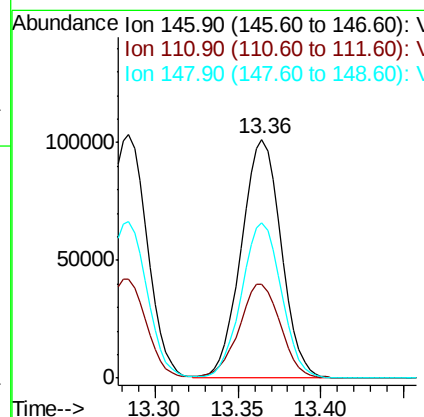
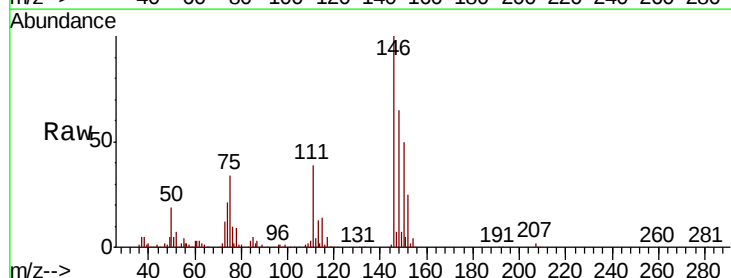
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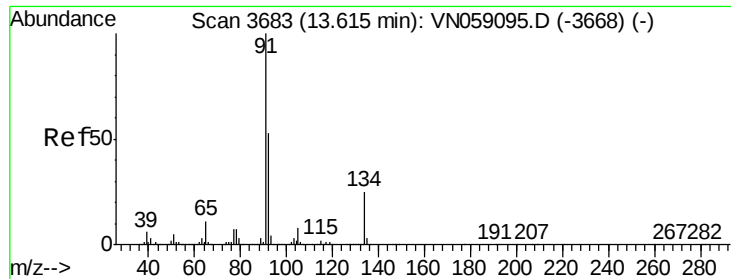
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#88
 1,4-Dichlorobenzene
 Concen: 20.924 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN059252.D
 Acq: 15 Nov 2019 10:12

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	169431		
111	41.0	20.3	60.9	
148	64.9	31.9	95.7	





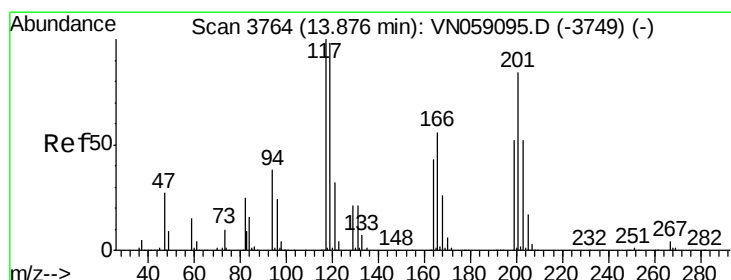
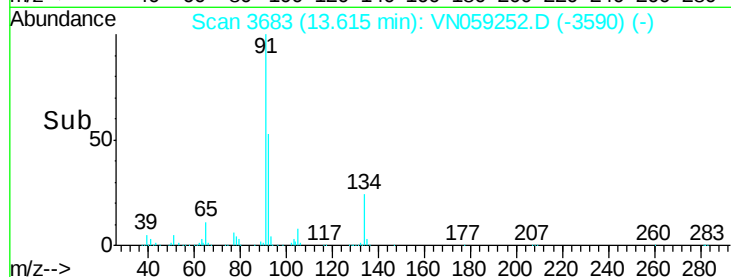
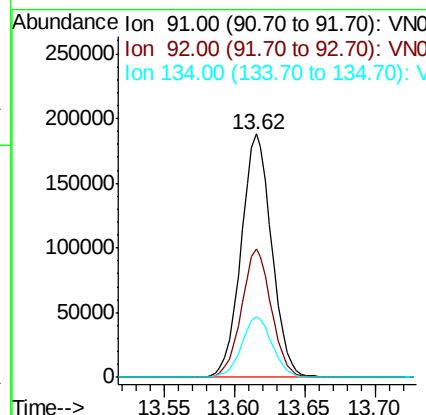
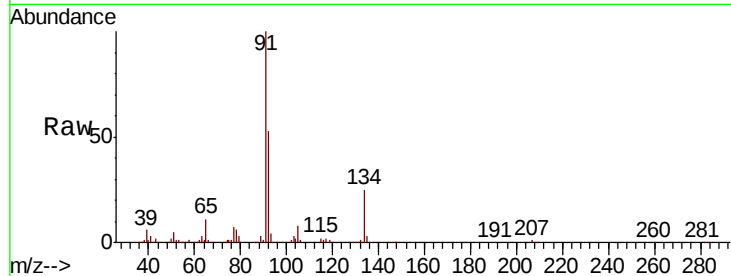
#89
n-Butylbenzene
Concen: 20.675 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059252.D
Acq: 15 Nov 2019 10:12

Instrument :
MSVOA_N
ClientSampleId :
VN1115WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.3	26.1	78.3
134	25.0	12.6	37.8

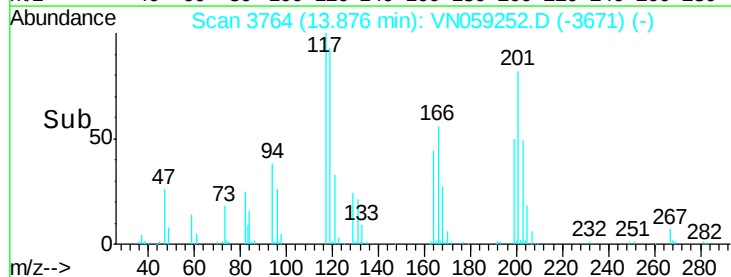
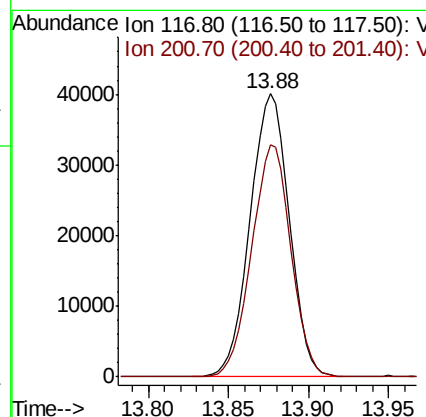
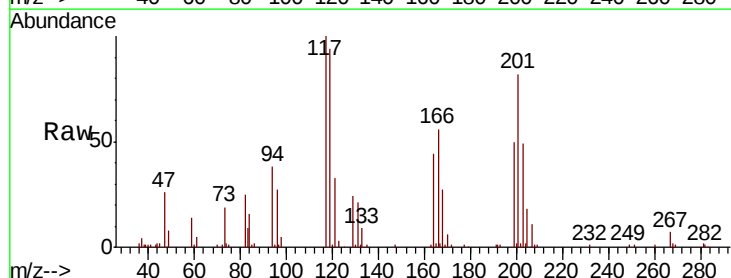
Manual Integrations
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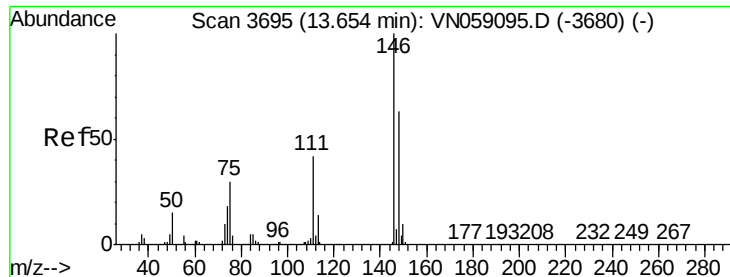
MMDadoda
11/18/2019 3:10:14 PM



#90
Hexachloroethane
Concen: 21.135 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059252.D
Acq: 15 Nov 2019 10:12

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.2	41.8	125.3





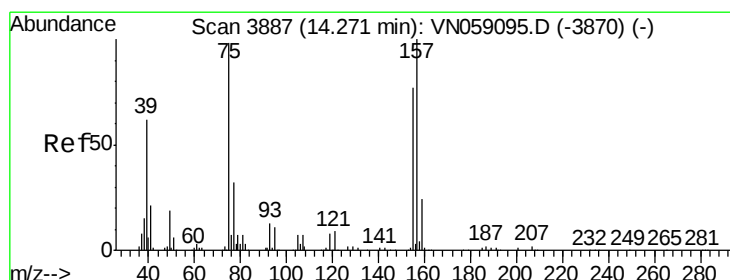
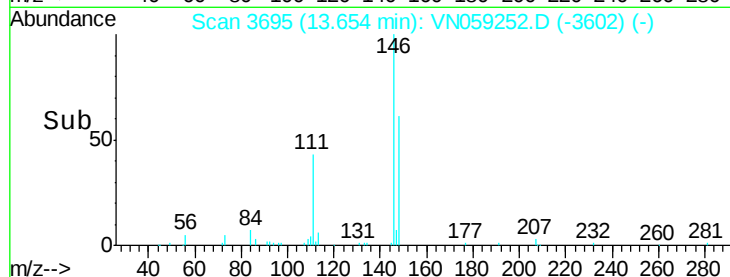
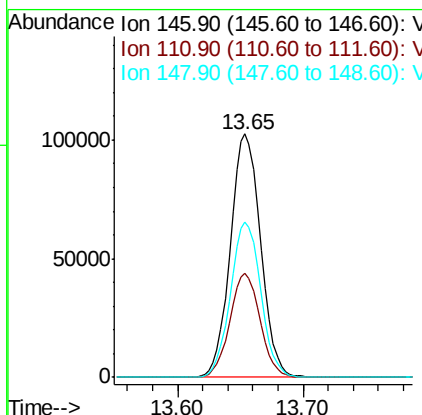
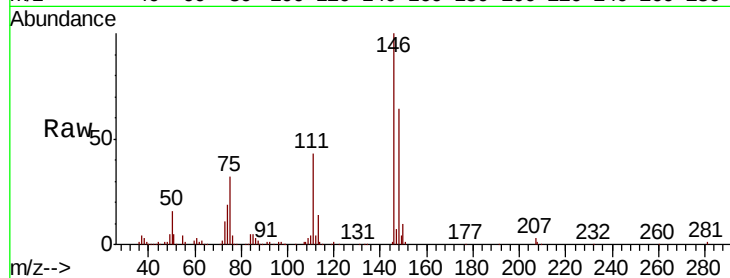
#91
 1,2-Dichlorobenzene
 Concen: 21.636 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN059252.D
 Acq: 15 Nov 2019 10:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1115WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.2	63.6
148	64.0	31.6	94.7

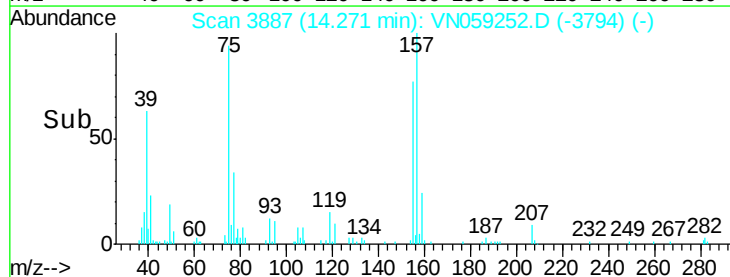
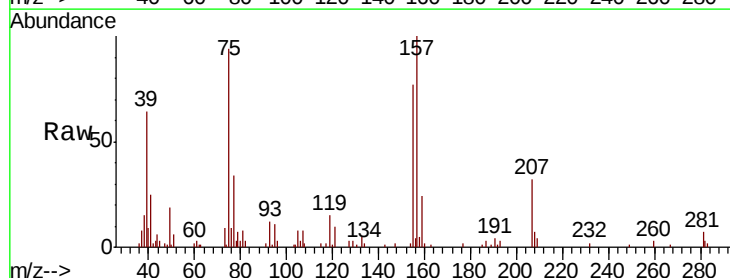
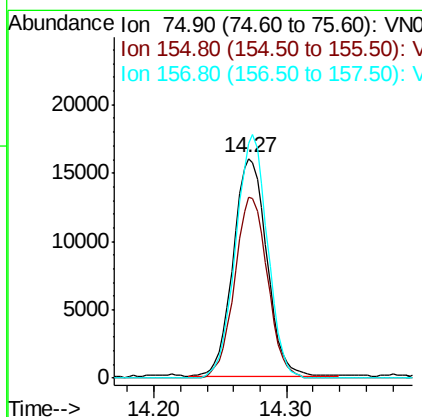
Manual Integrations
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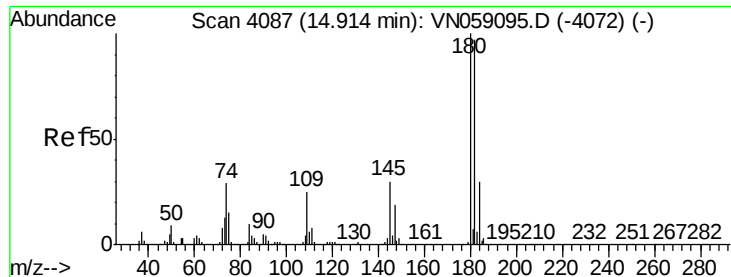
MMDadoda
 11/18/2019 3:10:14 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.872 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN059252.D
 Acq: 15 Nov 2019 10:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.4	40.2	120.6
157	105.9	51.8	155.5





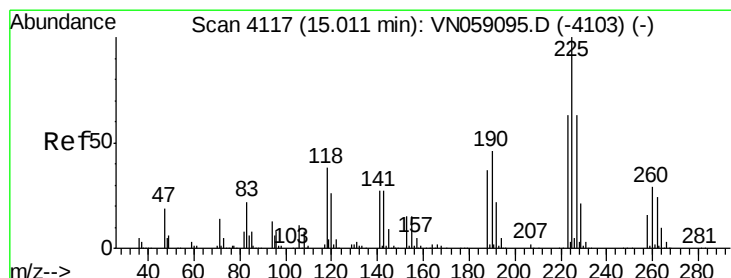
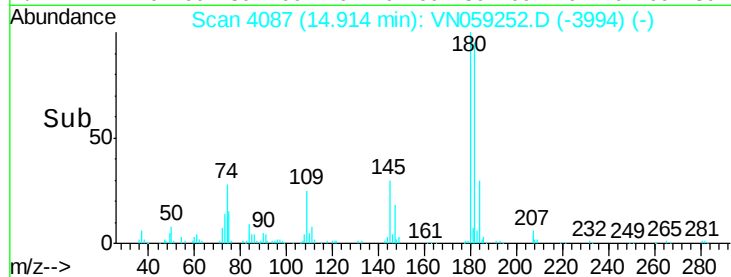
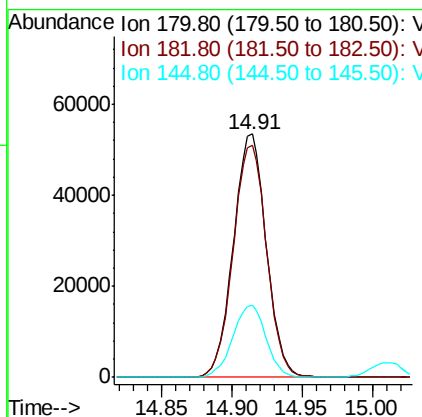
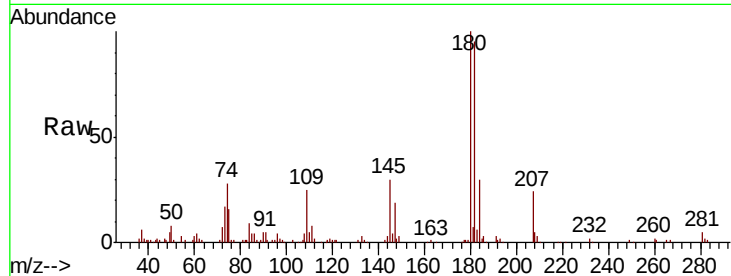
#93
 1,2,4-Trichlorobenzene
 Concen: 20.063 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059252.D
 Acq: 15 Nov 2019 10:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1115WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	87530		
182	96.4		48.1	144.3
145	30.0		15.1	45.3

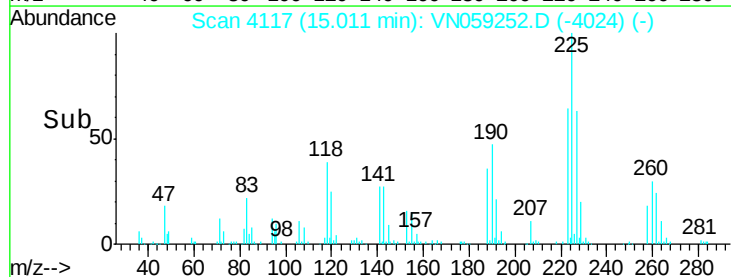
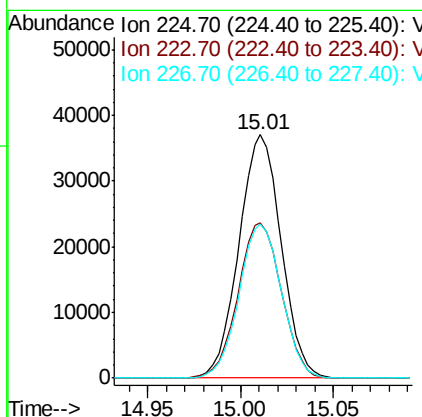
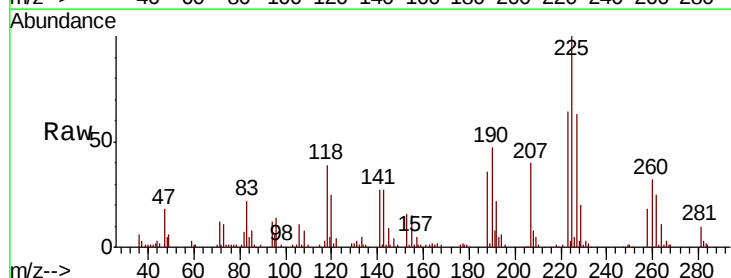
Manual Integrations
 APPROVED

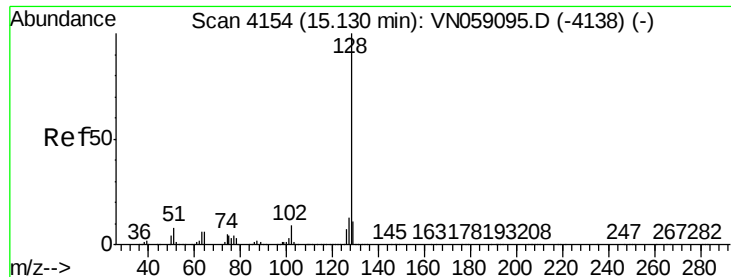
MMDadoda
 11/18/2019 3:10:14 PM



#94
 Hexachlorobutadiene
 Concen: 21.347 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059252.D
 Acq: 15 Nov 2019 10:12

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	58599		
223	65.5		31.3	93.9
227	63.6		31.5	94.5





#95

Naphthalene

Concen: 19.564 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN059252.D

Acq: 15 Nov 2019 10:12

Instrument :

MSVOA_N

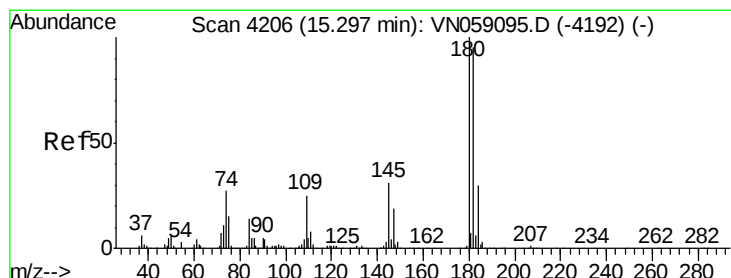
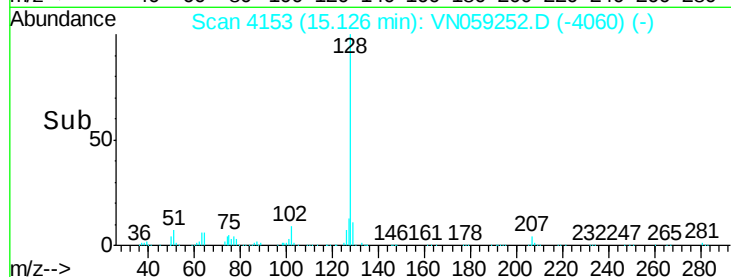
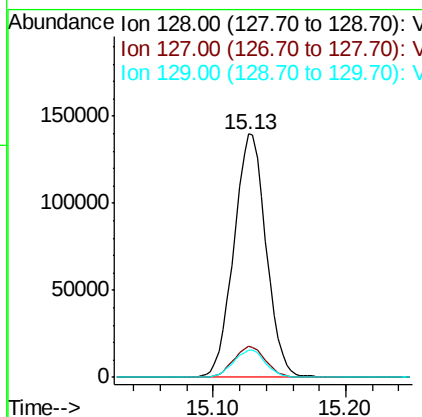
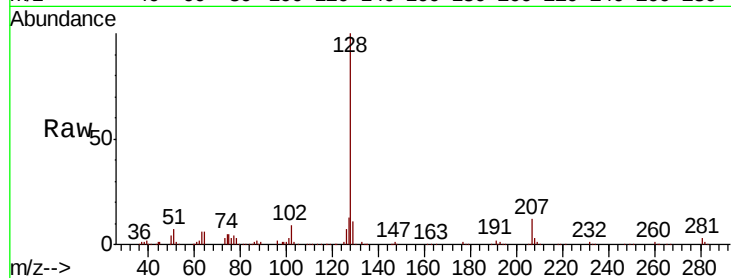
ClientSampleId :

VN1115WBS01

Tot Ion:	128	Resp:	235737
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.2	15.2
129	11.1	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
11/18/2019 3:10:14 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.424 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. -0.00 min

Lab File: VN059252.D

Acq: 15 Nov 2019 10:12

Tgt Ion:	180	Resp:	91126
Ion Ratio	Lower	Upper	
180	100		
182	96.9	47.3	141.8
145	31.2	15.8	47.3

