

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101019\
 Data File : VN058654.D
 Acq On : 9 Oct 2019 20:38
 Operator : JC/SP
 Sample : VN1010WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1010WBSD01

Manual Integrations
 APPROVED

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 10/10/2019 3:20:10 PM

Quant Time: Oct 10 05:21:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	433404	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	718414	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	653096	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	300548	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	268538	42.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.80%	
35) Dibromofluoromethane	7.57	113	199469	45.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.60%	
50) Toluene-d8	10.09	98	735241	42.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.26%	
62) 4-Bromofluorobenzene	12.40	95	271219	43.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	79419	16.712	ug/l	98
3) Chloromethane	2.04	50	108536	20.774	ug/l	98
4) Vinyl Chloride	2.17	62	100958	19.726	ug/l	98
5) Bromomethane	2.55	94	52807	19.425	ug/l	96
6) Chloroethane	2.68	64	64258	20.954	ug/l	91
7) Trichlorofluoromethane	3.00	101	130936	21.200	ug/l	98
8) Diethyl Ether	3.39	74	50186	18.833	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	77136	18.390	ug/l	99
10) Methyl Iodide	3.93	142	60927	13.100	ug/l	99
11) Tert butyl alcohol	4.75	59	87728	124.684	ug/l	100
12) 1,1-Dichloroethene	3.72	96	71904	17.587	ug/l	97
13) Acrolein	3.59	56	20945	93.593	ug/l	99
14) Allyl chloride	4.30	41	143576	19.297	ug/l	94
15) Acrylonitrile	4.96	53	210145	102.480	ug/l	99
16) Acetone	3.79	43	197511	91.481	ug/l	96
17) Carbon Disulfide	4.03	76	187544	17.402	ug/l	99
18) Methyl Acetate	4.30	43	109464	20.158	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	275101	19.070	ug/l	96
20) Methylene Chloride	4.53	84	94789	19.025	ug/l	99
21) trans-1,2-Dichloroethene	5.02	96	78229	17.206	ug/l	98
22) Diisopropyl ether	5.92	45	299229	18.689	ug/l	91
23) Vinyl Acetate	5.87	43	1212463	100.430	ug/l	99
24) 1,1-Dichloroethane	5.82	63	171207	19.000	ug/l	99
25) 2-Butanone	6.81	43	288367	97.281	ug/l	99
26) 2,2-Dichloropropane	6.80	77	142848	19.283	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	96728	18.203	ug/l	99
28) Bromochloromethane	7.18	49	70108	19.464	ug/l	97
29) Tetrahydrofuran	7.19	42	191124	101.586	ug/l	99
30) Chloroform	7.35	83	171394	18.770	ug/l	97
31) Cyclohexane	7.63	56	146092	16.667	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	146817	19.580	ug/l	98
36) 1,1-Dichloropropene	7.77	75	123808	18.023	ug/l	99
37) Ethyl Acetate	6.91	43	123519	21.208	ug/l	99
38) Carbon Tetrachloride	7.76	117	127508	20.564	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	132598	16.529	ug/l	97
40) Benzene	8.02	78	366025	18.537	ug/l	97
41) Methacrylonitrile	7.16	41	58114	21.689	ug/l	93
42) 1,2-Dichloroethane	8.11	62	144123	18.761	ug/l	100
43) Isopropyl Acetate	8.15	43	206800	18.882	ug/l #	90
44) Trichloroethene	8.82	130	91185	18.702	ug/l	99
45) 1,2-Dichloropropane	9.11	63	100262	18.933	ug/l	99
46) Dibromomethane	9.20	93	63561	18.952	ug/l	99
47) Bromodichloromethane	9.39	83	130178	20.487	ug/l	99
48) Methyl methacrylate	9.19	41	91206	18.289	ug/l	99
49) 1,4-Dioxane	9.19	88	35000	524.876	ug/l	100
51) 4-Methyl-2-Pentanone	9.98	43	603682	107.308	ug/l	100
52) Toluene	10.15	92	220769	17.763	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	144108	20.836	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	154538	20.130	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	88058	19.458	ug/l	99
56) Ethyl methacrylate	10.43	69	131551	19.157	ug/l	97
57) 1,3-Dichloropropane	10.71	76	158065	19.581	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	304447	111.185	ug/l	100
59) 2-Hexanone	10.75	43	426920	104.220	ug/l	99
60) Dibromochloromethane	10.90	129	95551	20.058	ug/l	99
61) 1,2-Dibromoethane	11.00	107	90732	19.621	ug/l	99
64) Tetrachloroethene	10.63	164	80510	19.403	ug/l	99
65) Chlorobenzene	11.43	112	235275	18.123	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	91920	21.015	ug/l	99
67) Ethyl Benzene	11.51	91	427558	18.183	ug/l	99
68) m/p-Xylenes	11.62	106	308927	34.919	ug/l	97
69) o-Xylene	11.95	106	153298	18.000	ug/l	99
70) Styrene	11.97	104	239932	17.342	ug/l	98
71) Bromoform	12.13	173	61801	20.856	ug/l #	98
73) Isopropylbenzene	12.25	105	410231	18.470	ug/l	99
74) N-amyl acetate	12.07	43	168988	19.124	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	132295	20.143	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	116084m	21.146	ug/l	
77) Bromobenzene	12.53	156	100335	19.265	ug/l	100
78) n-propylbenzene	12.60	91	475642	19.008	ug/l	99
79) 2-Chlorotoluene	12.68	91	282868	18.314	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	346352	18.628	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	37150	20.554	ug/l	99
82) 4-Chlorotoluene	12.78	91	290299	18.419	ug/l	100
83) tert-Butylbenzene	13.00	119	296920	18.925	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	353184	18.959	ug/l	99
85) sec-Butylbenzene	13.18	105	392535	19.009	ug/l	99
86) p-Isopropyltoluene	13.29	119	346854	19.082	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	172926	18.311	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	173415	18.457	ug/l	99
89) n-Butylbenzene	13.62	91	302040	18.344	ug/l	100
90) Hexachloroethane	13.88	117	62252	22.794	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	173176	19.085	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	25805	22.280	ug/l	97

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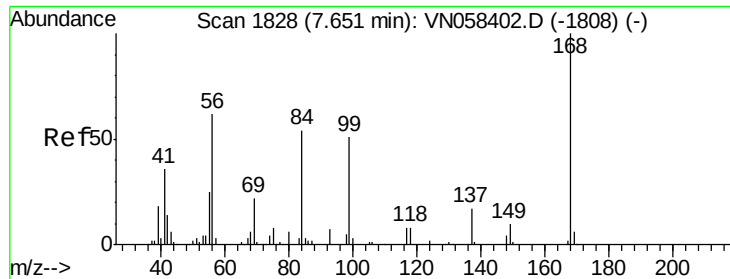
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	97068	19.359	ug/l	100
94) Hexachlorobutadiene	15.02	225	50351	19.537	ug/l	99
95) Naphthalene	15.13	128	274451	18.672	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	94892	18.861	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN058654.D

Acq: 9 Oct 2019 20:38

Instrument :

MSVOA_N

ClientSampleId :

VN1010WBSD01

Tot Ion:168 Resp: 433404

Ion Ratio Lower Upper

168 100

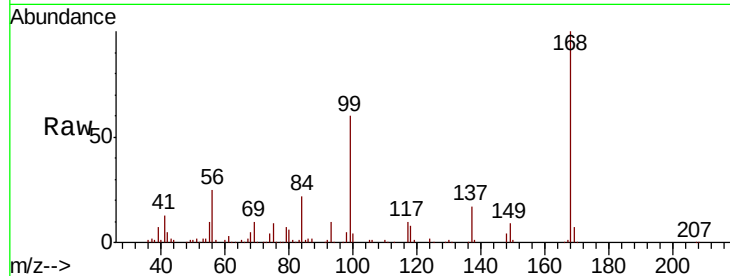
99 59.8 47.7 71.5

Manual Integrations

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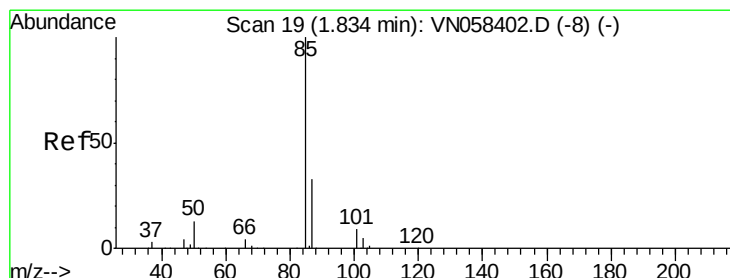
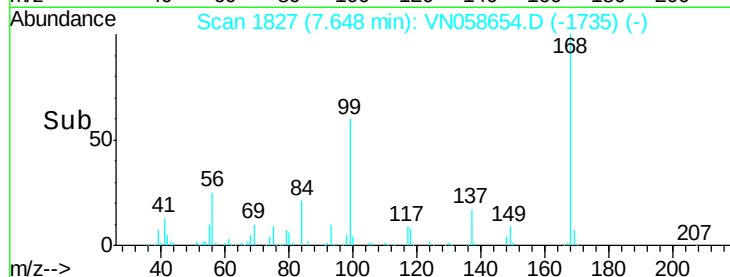
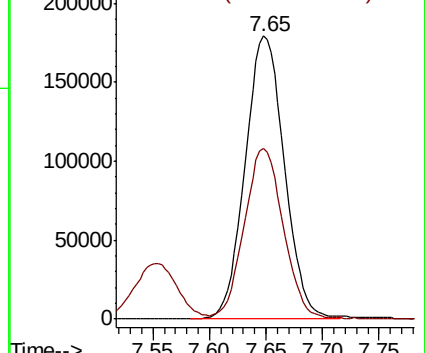
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNC



#2

Dichlorodifluoromethane

Concen: 16.712 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058654.D

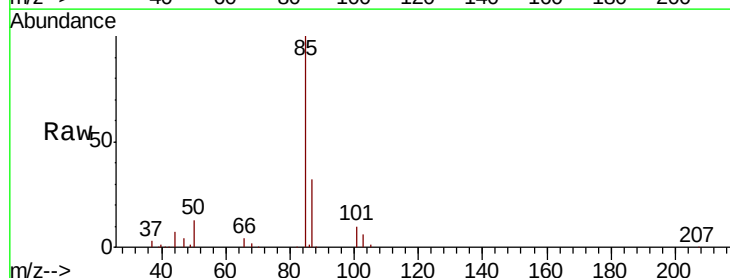
Acq: 9 Oct 2019 20:38

Tgt Ion: 85 Resp: 79419

Ion Ratio Lower Upper

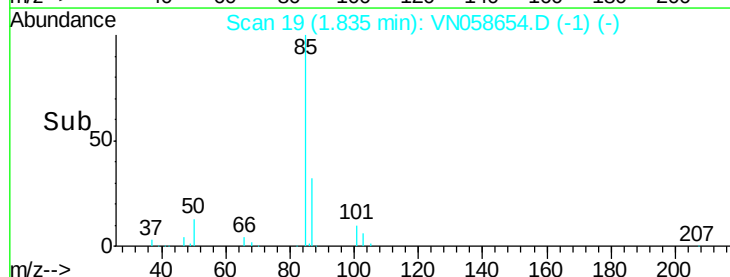
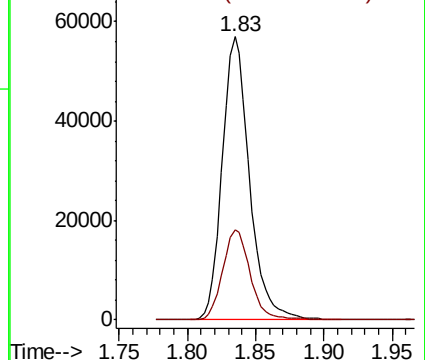
85 100

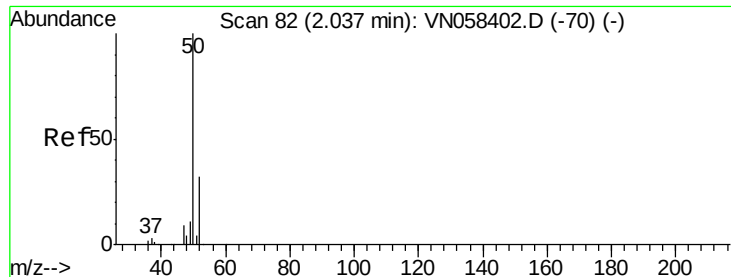
87 31.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNC

Ion 86.90 (86.60 to 87.60): VNC





#3

Chloromethane

Concen: 20.774 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058654.D

Acq: 9 Oct 2019 20:38

Instrument :

MSVOA_N

ClientSampleId :

VN1010WBSD01

Tot Ion: 50 Resp: 108536

Ion Ratio Lower Upper

50 100

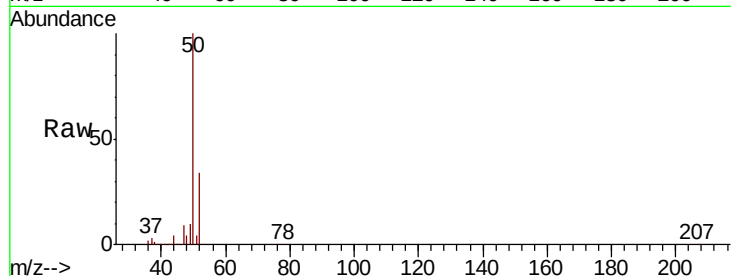
52 33.6 25.9 38.9

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Abundance Ion 49.90 (49.60 to 50.60): VN058654.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN058654.D (-1) (-)

2.04

80000

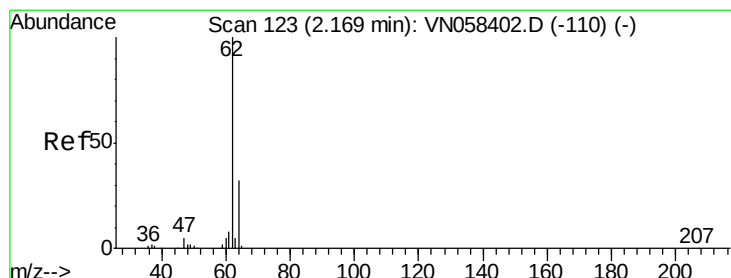
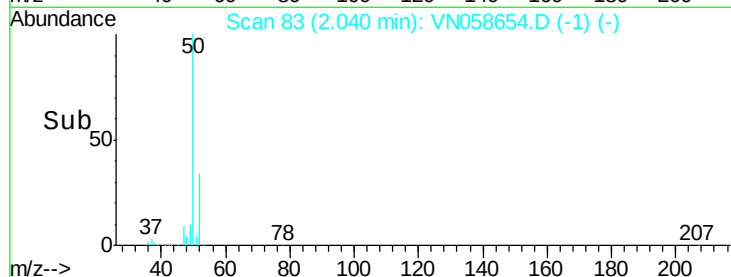
60000

40000

20000

0

Time--> 1.95 2.00 2.05 2.10



#4

Vinyl Chloride

Concen: 19.726 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058654.D

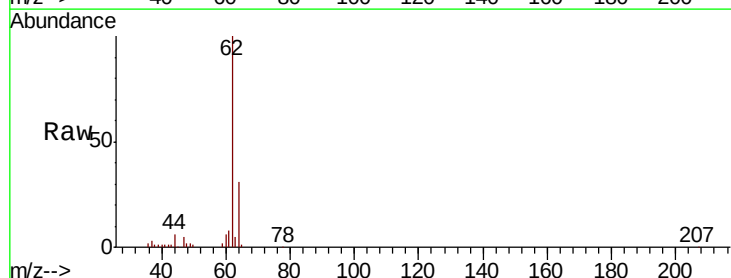
Acq: 9 Oct 2019 20:38

Tgt Ion: 62 Resp: 100958

Ion Ratio Lower Upper

62 100

64 30.9 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN058654.D (-30) (-)

Ion 63.90 (63.60 to 64.60): VN058654.D (-30) (-)

2.17

80000

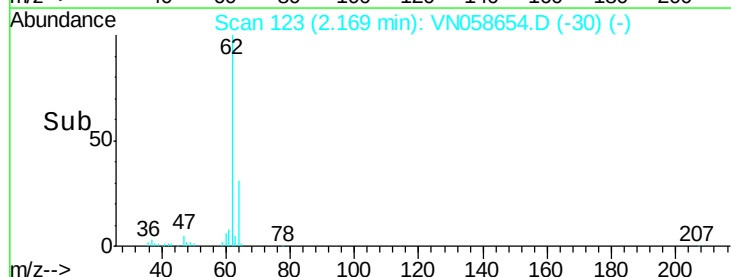
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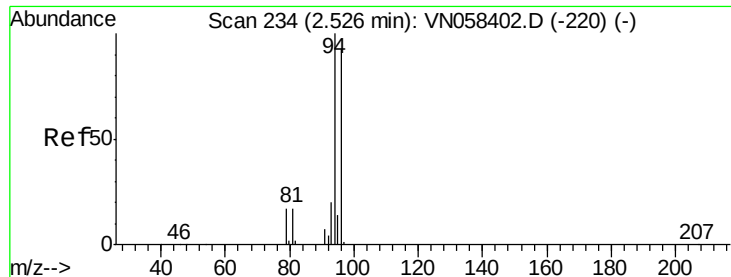
40000

20000

0

Time--> 2.10 2.15 2.20 2.25





#5

Bromomethane

Concen: 19.425 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.02 min

Lab File: VN058654.D

Acq: 9 Oct 2019 20:38

Instrument :

MSVOA_N

ClientSampleId :

VN1010WBSD01

Tot Ion: 94 Resp: 52807

Ion Ratio Lower Upper

94 100

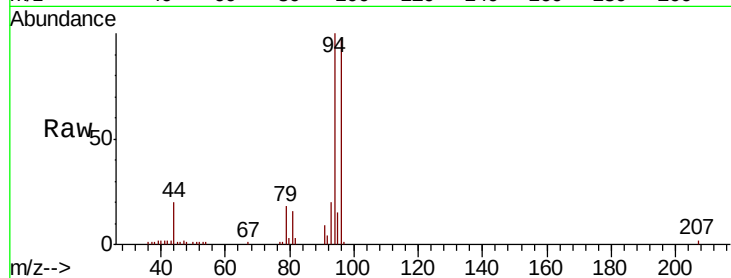
96 97.0 74.8 112.2

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.55

25000

20000

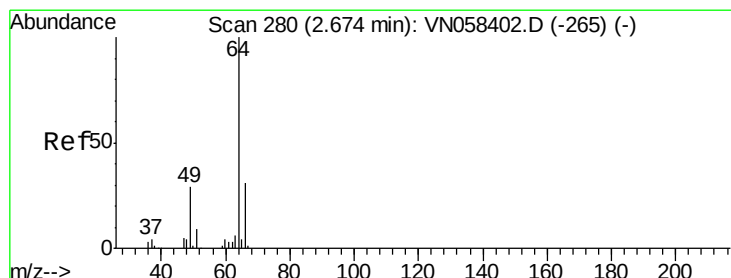
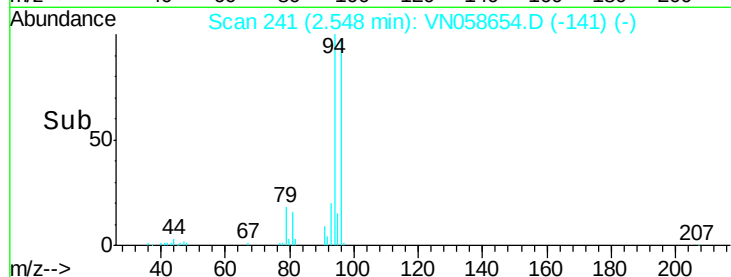
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 20.954 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.01 min

Lab File: VN058654.D

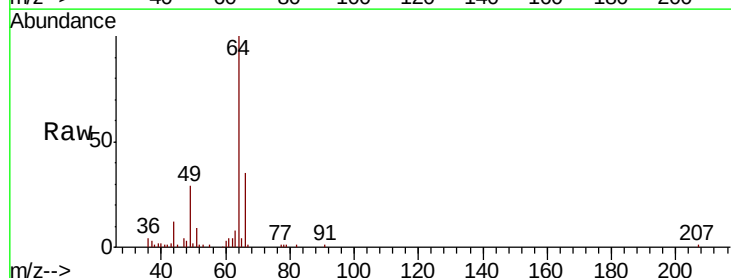
Acq: 9 Oct 2019 20:38

Tgt Ion: 64 Resp: 64258

Ion Ratio Lower Upper

64 100

66 35.2 24.4 36.6



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO

2.68

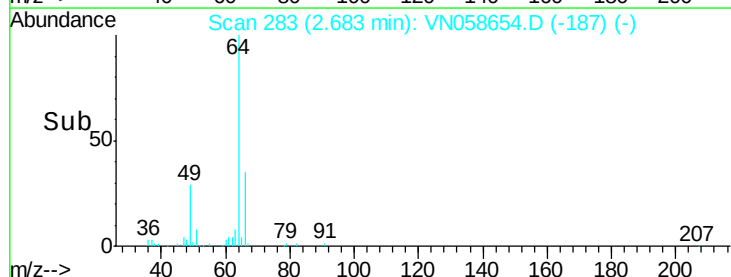
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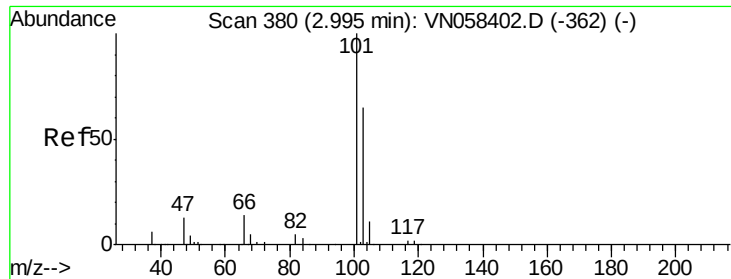
20000

10000

0

Time-->





#7

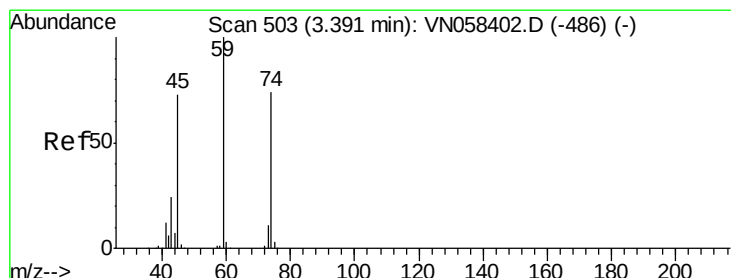
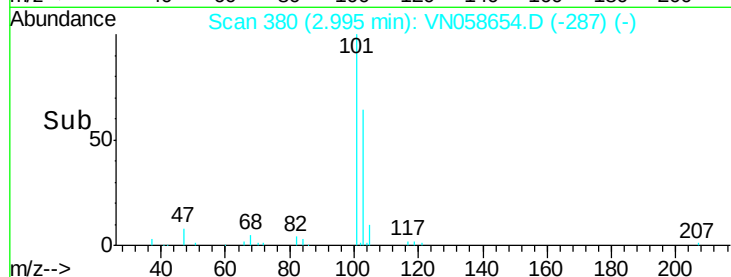
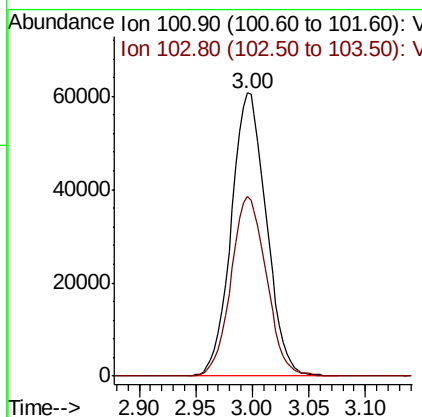
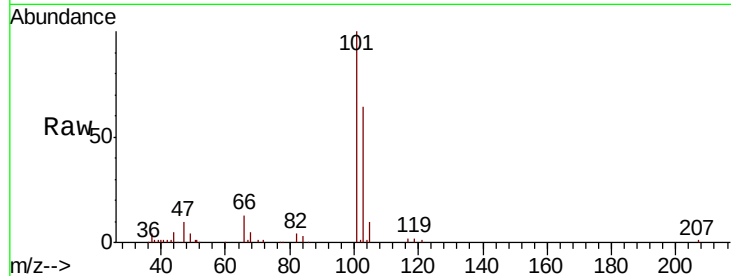
Trichlorofluoromethane
Concen: 21.200 ug/l
RT: 3.00 min Scan# 380
Delta R.T. 0.00 min
Lab File: VN058654.D
Acq: 9 Oct 2019 20:38

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ClientSampleId :
VN1010WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	52.3	78.5

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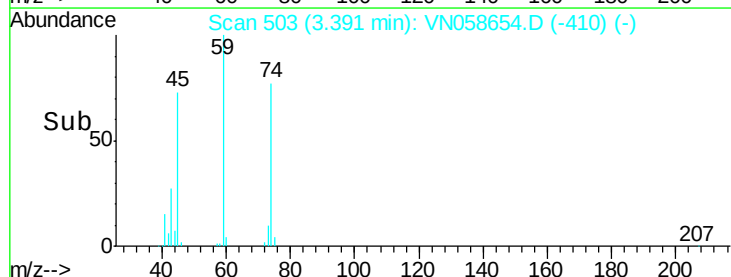
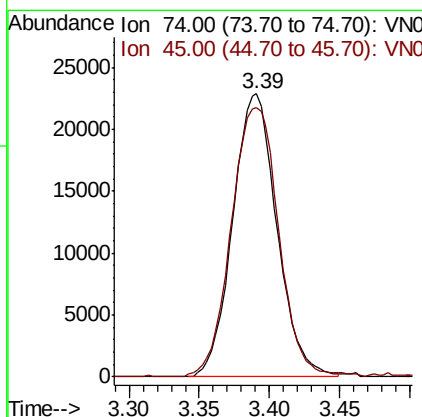
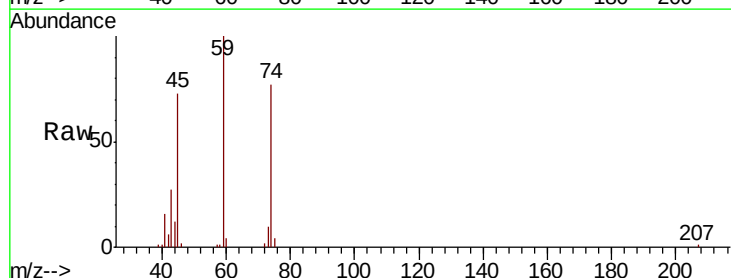
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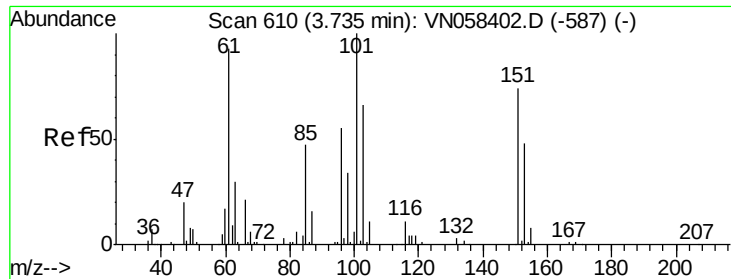


#8

Diethyl Ether
Concen: 18.833 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058654.D
Acq: 9 Oct 2019 20:38

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.3	50.5	151.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.390 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN058654.D

Acq: 9 Oct 2019 20:38

Instrument :

MSVOA_N

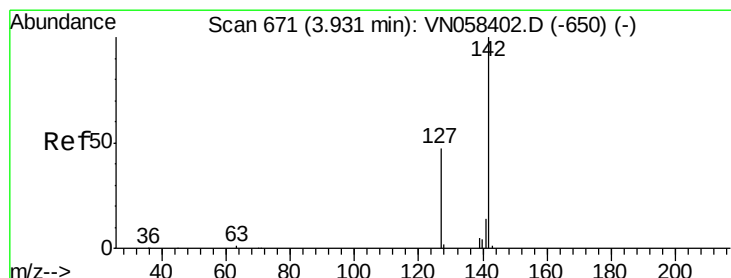
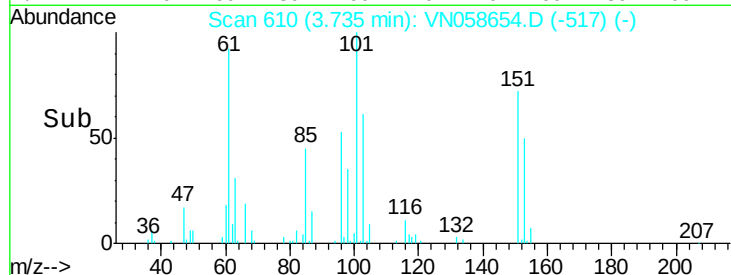
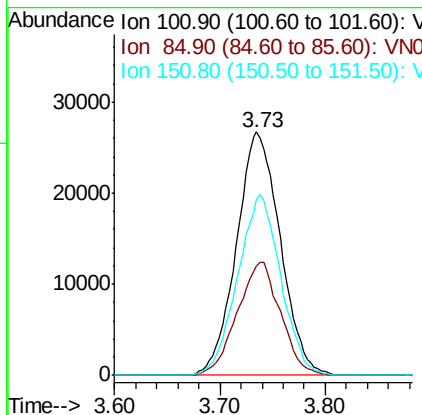
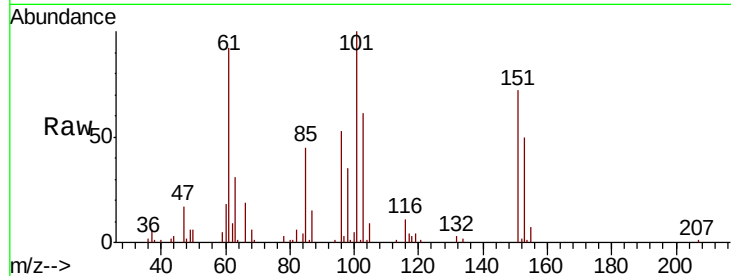
ClientSampleId :

VN1010WBSD01

Tot Ion:	101	Resp:	77136
Ion Ratio	Lower	Upper	
101	100		
85	45.8	36.7	55.1
151	72.8	59.4	89.0

Manual Integrations
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#10

Methyl Iodide

Concen: 13.100 ug/l

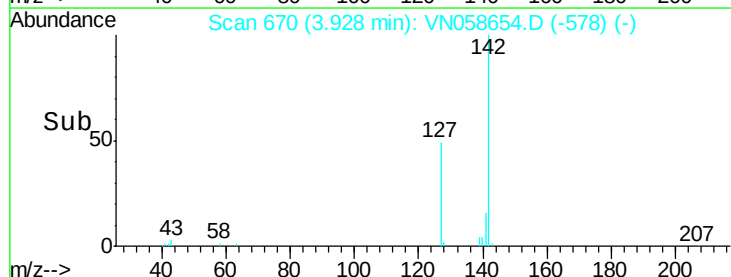
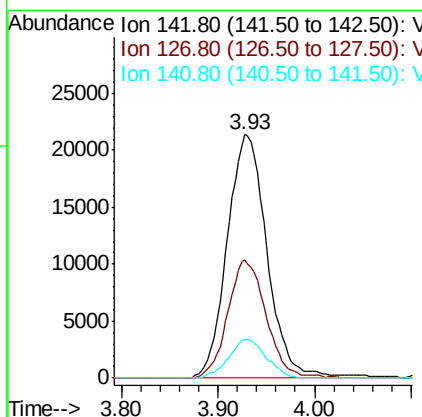
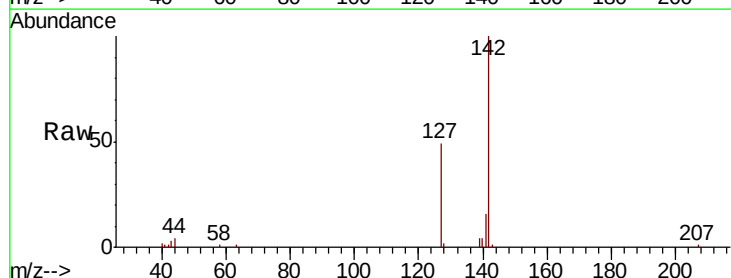
RT: 3.93 min Scan# 670

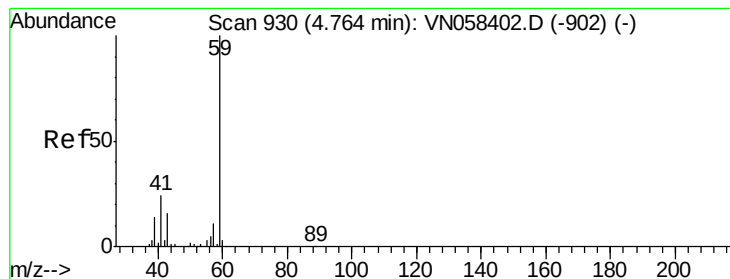
Delta R.T. -0.00 min

Lab File: VN058654.D

Acq: 9 Oct 2019 20:38

Tgt Ion:	142	Resp:	60927
Ion Ratio	Lower	Upper	
142	100		
127	46.2	37.2	55.8
141	14.9	11.3	16.9





#11

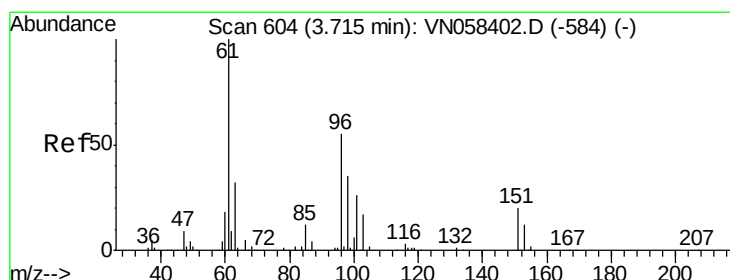
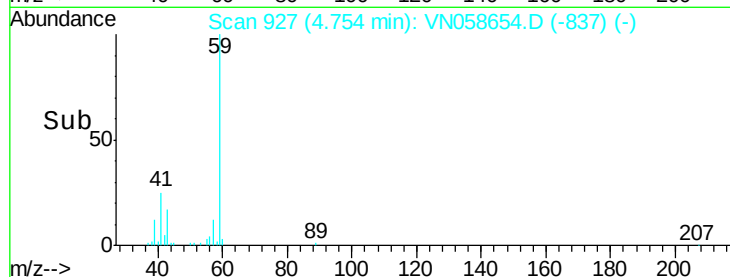
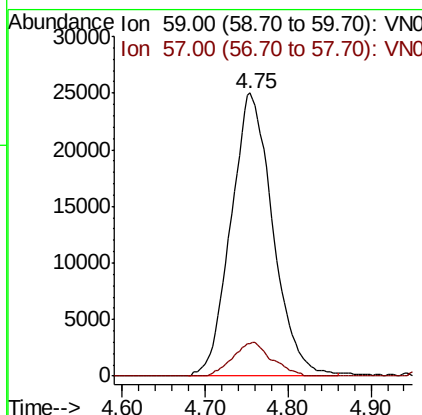
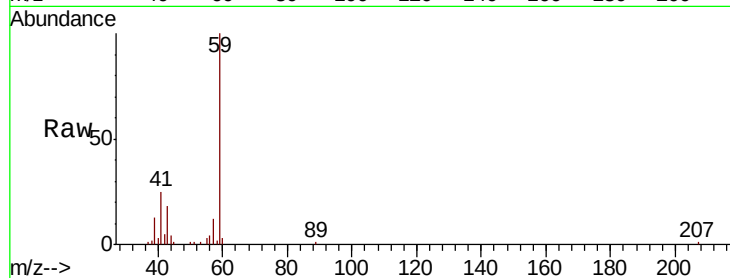
Tert butyl alcohol
 Concen: 124.684 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. -0.01 min
 Lab File: VN058654.D
 Acq: 9 Oct 2019 20:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1010WBSD01

Tot Ion	59	Resp	87728
Ion Ratio	100	Lower	Upper
57	11.1	9.0	13.4

Manual Integrations
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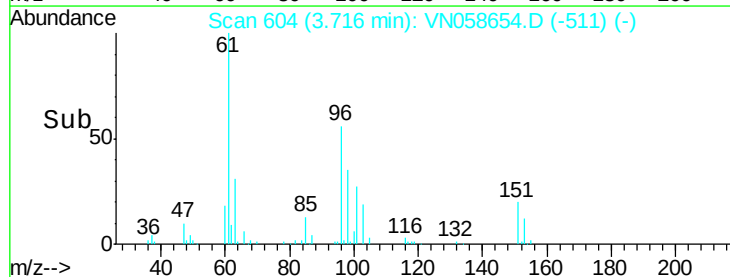
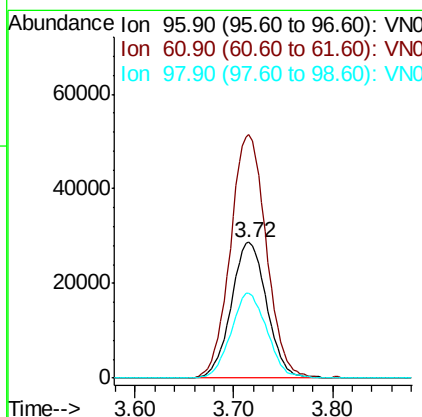
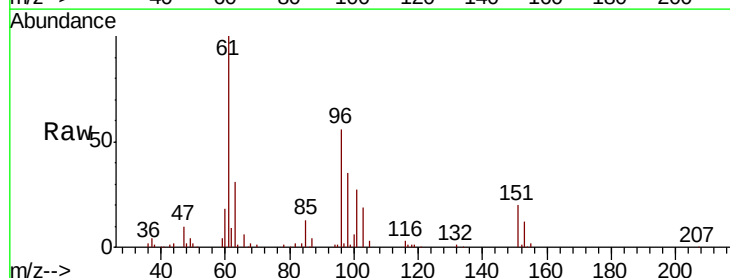
MMDadoda
 10/10/2019 3:20:10 PM

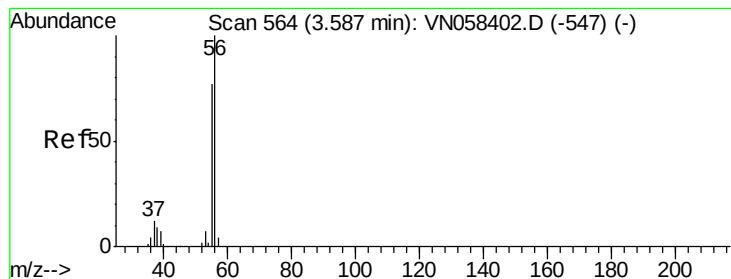


#12

1,1-Dichloroethene
 Concen: 17.587 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN058654.D
 Acq: 9 Oct 2019 20:38

Tgt Ion	96	Resp	71904
Ion Ratio	100	Lower	Upper
61	179.3	146.7	220.1
98	62.8	51.3	76.9





#13

Acrolein

Concen: 93.593 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058654.D

Acq: 9 Oct 2019 20:38

Instrument :

MSVOA_N

ClientSampleId :

VN1010WBSD01

Tot Ion: 56 Resp: 20945

Ion Ratio Lower Upper

56 100

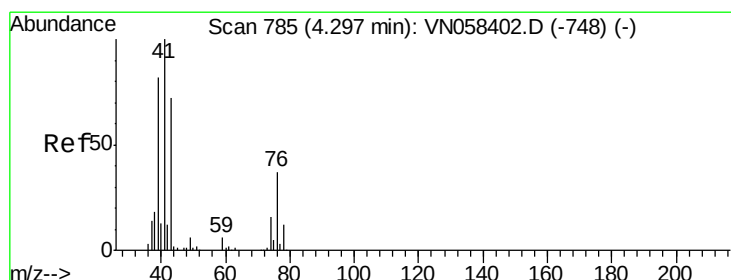
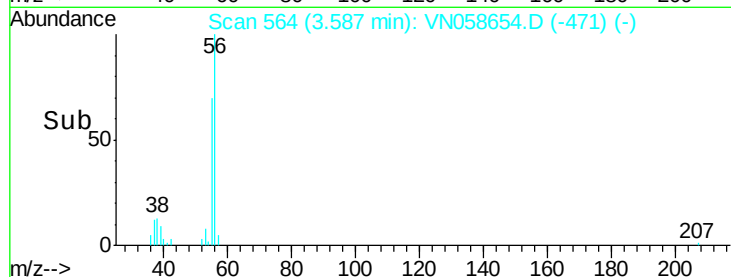
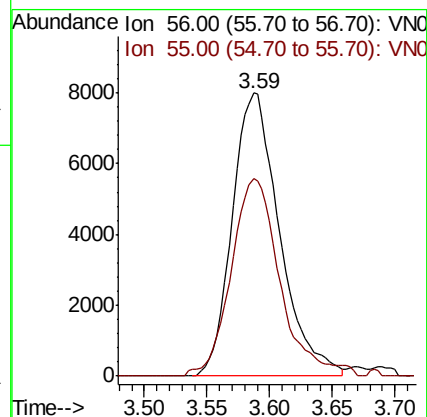
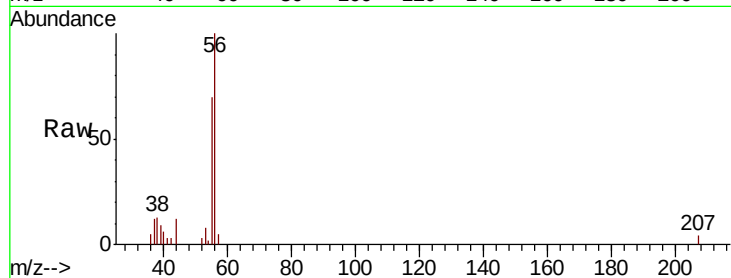
55 72.3 58.3 87.5

Manual Integrations

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#14

Allyl chloride

Concen: 19.297 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058654.D

Acq: 9 Oct 2019 20:38

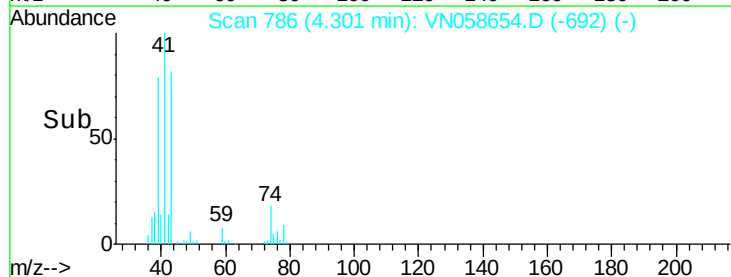
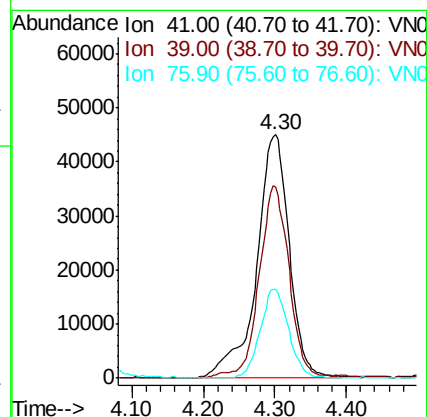
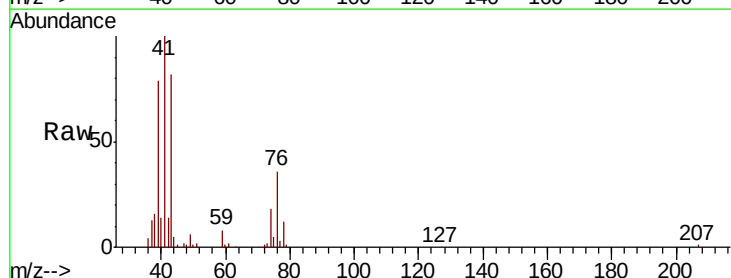
Tgt Ion: 41 Resp: 143576

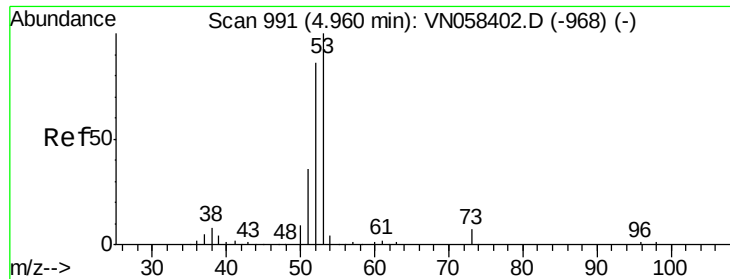
Ion Ratio Lower Upper

41 100

39 72.1 62.3 93.5

76 31.6 26.9 40.3





#15

Acrylonitrile

Concen: 102.480 ug/l

RT: 4.96 min Scan# 990

Delta R.T. -0.00 min

Lab File: VN058654.D

Acq: 9 Oct 2019 20:38

Instrument :

MSVOA_N

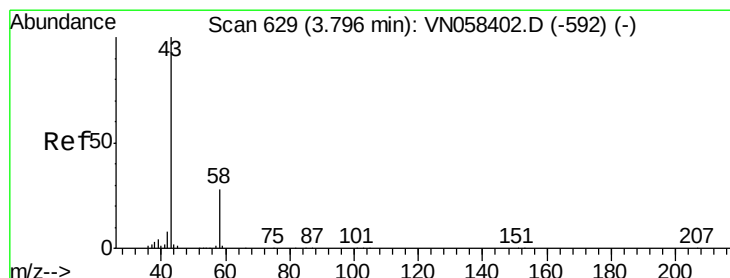
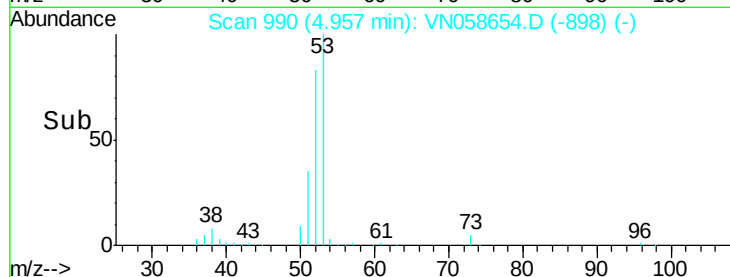
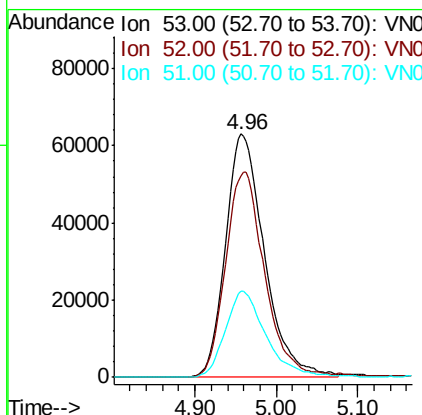
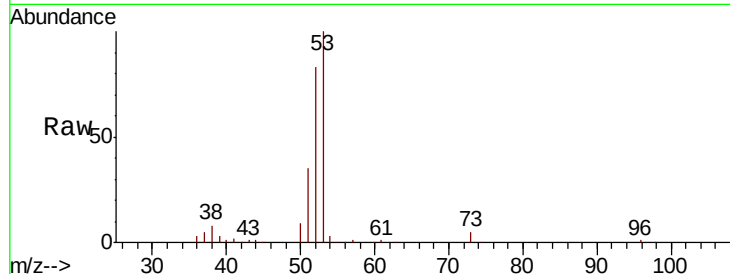
ClientSampleId :

VN1010WBSD01

Tot Ion:	53	Resp:	210145
Ion	Ratio	Lower	Upper
53	100		
52	84.8	66.6	100.0
51	37.0	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 91.481 ug/l

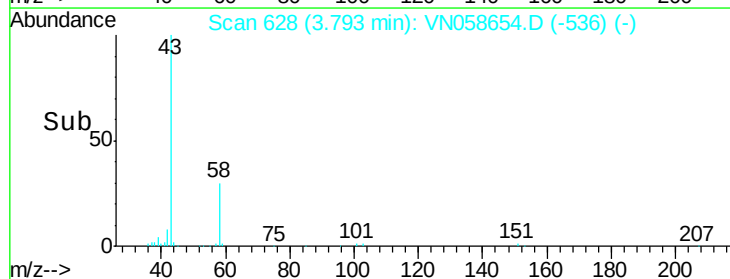
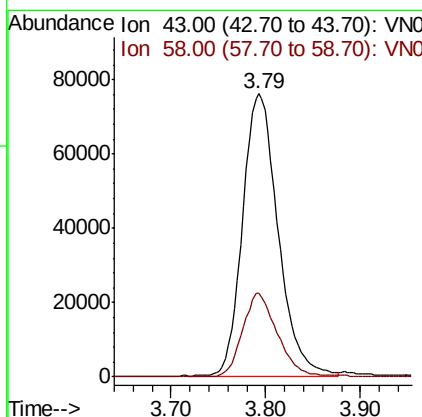
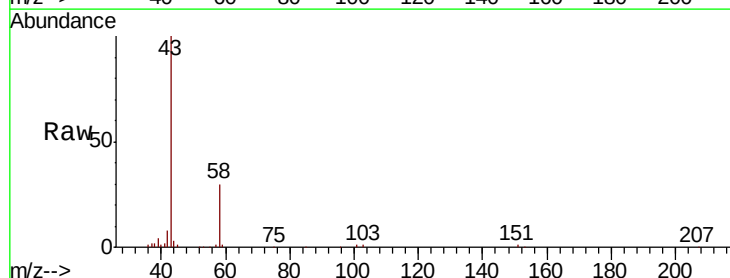
RT: 3.79 min Scan# 628

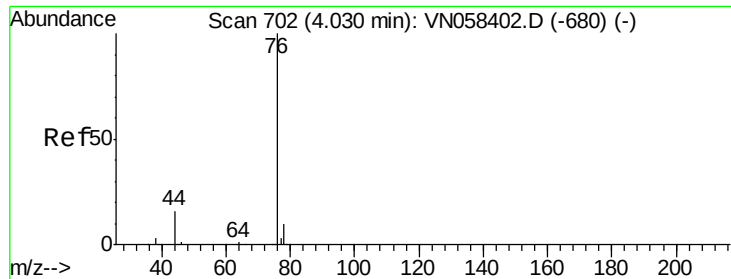
Delta R.T. -0.00 min

Lab File: VN058654.D

Acq: 9 Oct 2019 20:38

Tgt Ion:	43	Resp:	197511
Ion	Ratio	Lower	Upper
43	100		
58	29.9	22.4	33.6





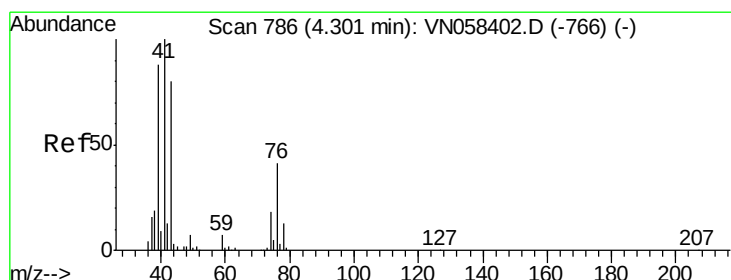
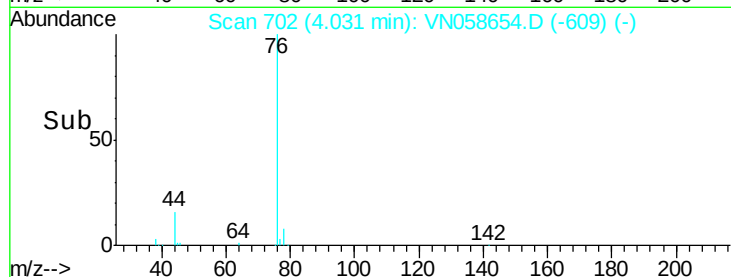
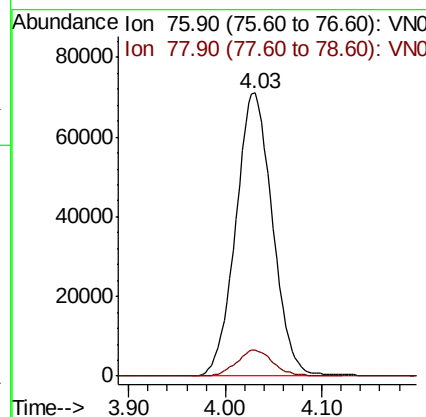
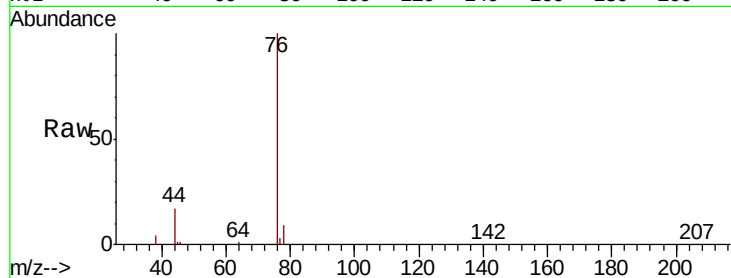
#17
Carbon Disulfide
Concen: 17.402 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN058654.D
Acq: 9 Oct 2019 20:38

Instrument :
MSVOA_N
ClientSampleId :
VN1010WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.7	11.5

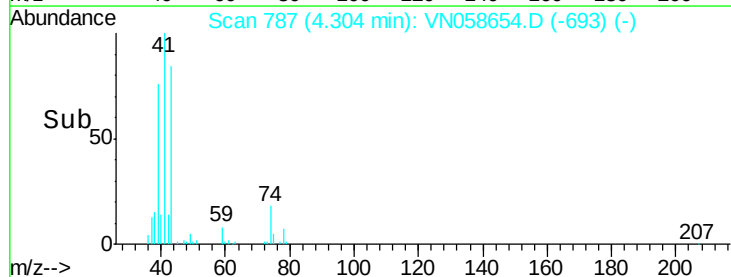
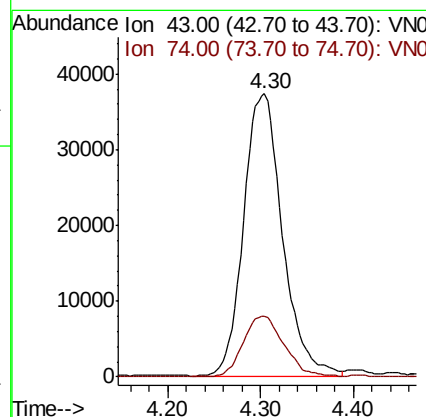
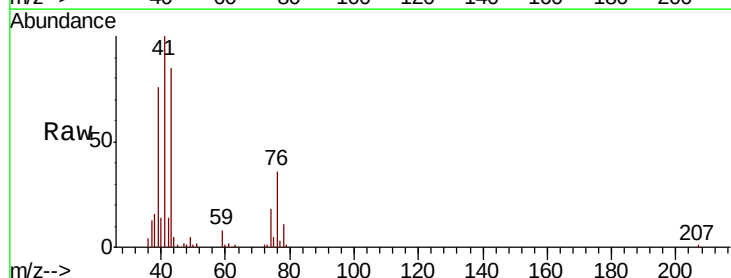
Manual Integrations
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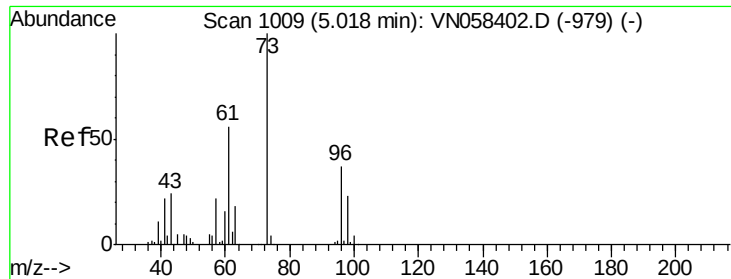
MMDadoda
10/10/2019 3:20:10 PM



#18
Methyl Acetate
Concen: 20.158 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN058654.D
Acq: 9 Oct 2019 20:38

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.4	18.0	27.0





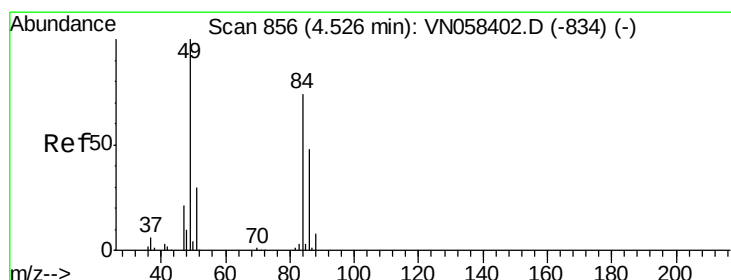
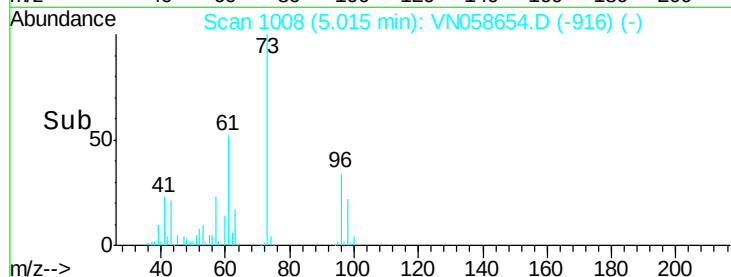
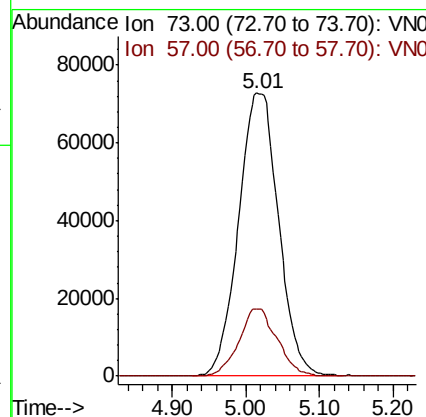
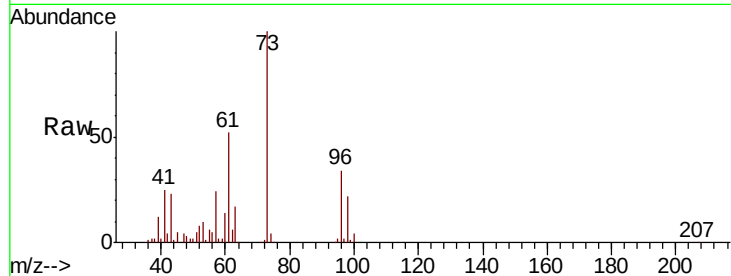
#19
Methyl tert-butyl Ether
Concen: 19.070 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058654.D
Acq: 9 Oct 2019 20:38

Instrument :
MSVOA_N
ClientSampleId :
VN1010WBSD01

Tot Ion: 73 Resp: 275101
Ion Ratio Lower Upper
73 100
57 23.7 17.6 26.4

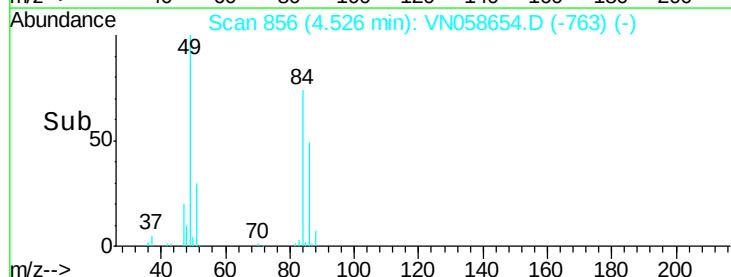
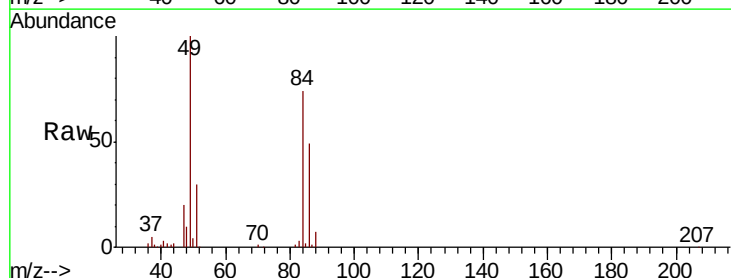
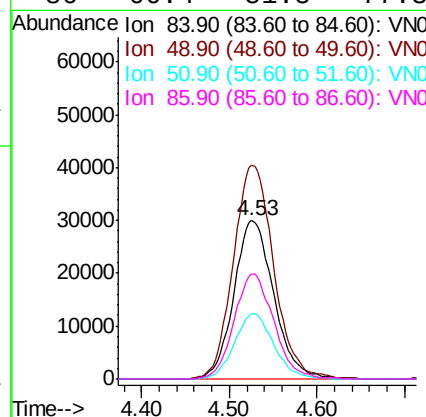
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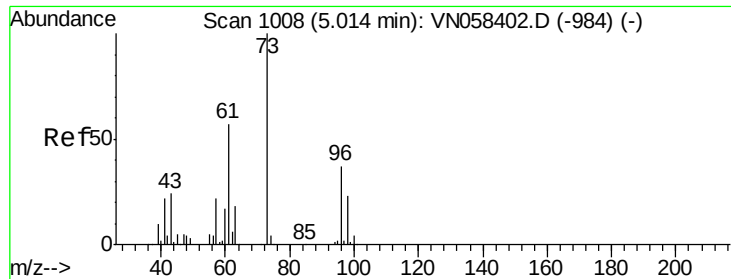
MMDadoda
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#20
Methylene Chloride
Concen: 19.025 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN058654.D
Acq: 9 Oct 2019 20:38

Tgt Ion: 84 Resp: 94789
Ion Ratio Lower Upper
84 100
49 134.2 107.9 161.9
51 41.0 32.8 49.2
86 66.4 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 17.206 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VN058654.D

Acq: 9 Oct 2019 20:38

Instrument :

MSVOA_N

ClientSampleId :

VN1010WBSD01

Tot Ion: 96 Resp: 78229

Ion Ratio Lower Upper

96 100

61 153.7 121.9 182.9

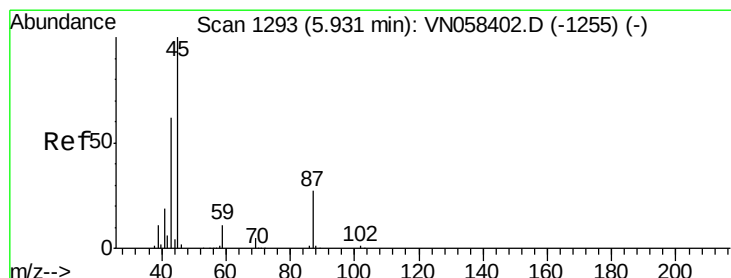
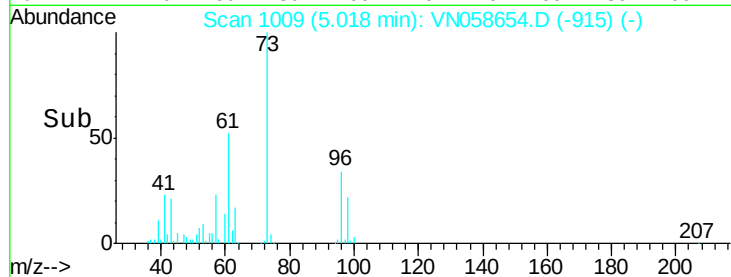
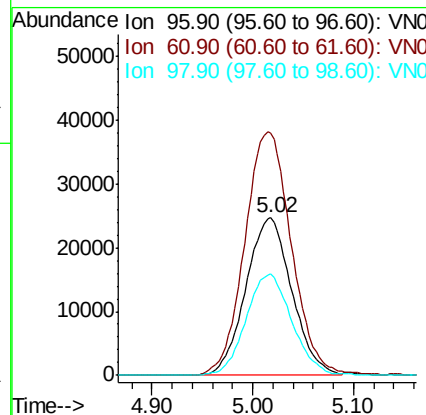
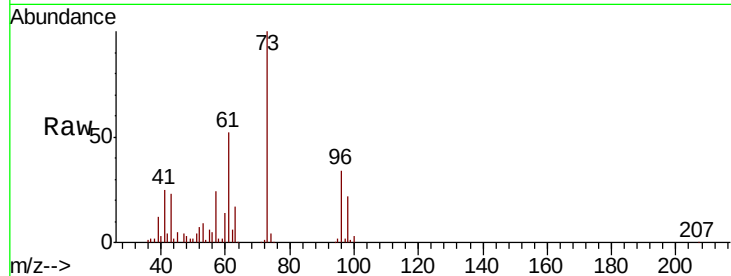
98 64.3 49.3 73.9

Manual Integrations

APPROVED

MMDadoda

10/10/2019 3:20:10 PM



#22

Diisopropyl ether

Concen: 18.689 ug/l

RT: 5.92 min Scan# 1291

Delta R.T. -0.01 min

Lab File: VN058654.D

Acq: 9 Oct 2019 20:38

Tgt Ion: 45 Resp: 299229

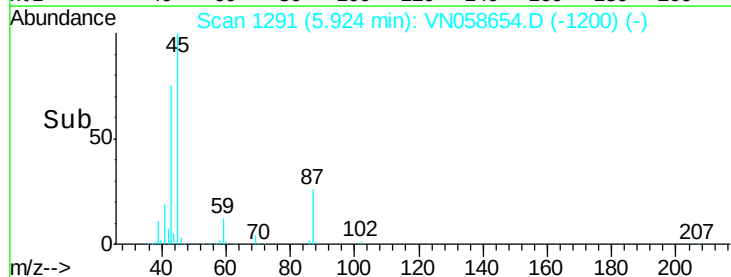
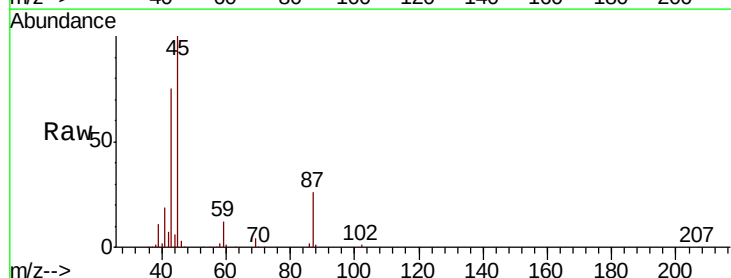
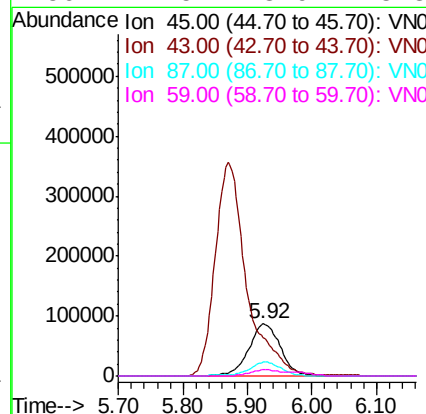
Ion Ratio Lower Upper

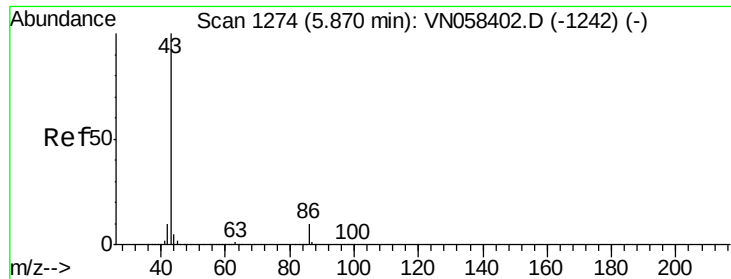
45 100

43 73.0 49.7 74.5

87 26.3 21.5 32.3

59 11.5 8.9 13.3





#23

Vinyl Acetate

Concen: 100.430 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN058654.D

Acq: 9 Oct 2019 20:38

Instrument :

MSVOA_N

ClientSampleId :

VN1010WBSD01

Tot Ion: 43 Resp: 1212463

Ion Ratio Lower Upper

43 100

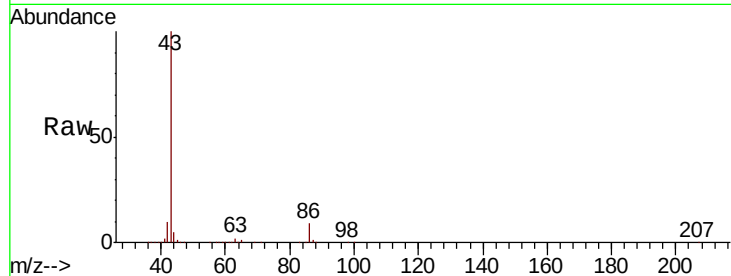
86 9.2 7.7 11.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.87

400000

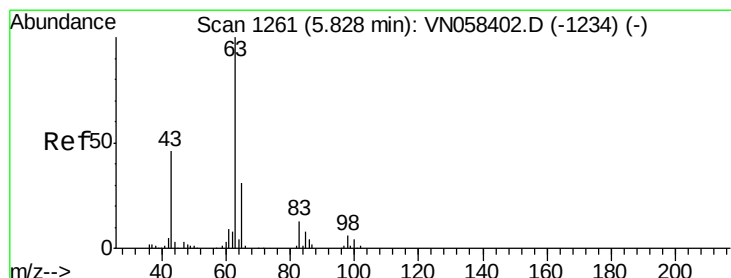
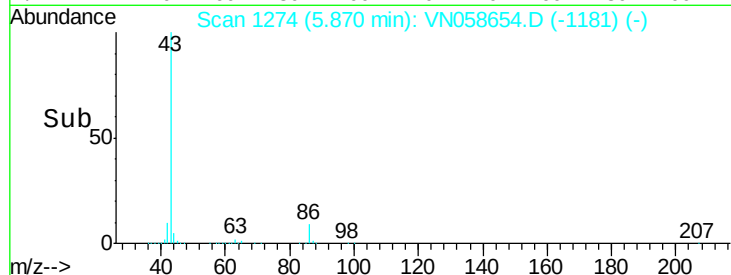
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.000 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN058654.D

Acq: 9 Oct 2019 20:38

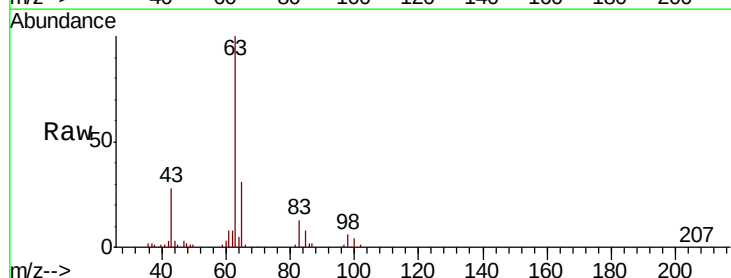
Tgt Ion: 63 Resp: 171207

Ion Ratio Lower Upper

63 100

98 5.7 3.0 9.0

100 3.8 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.82

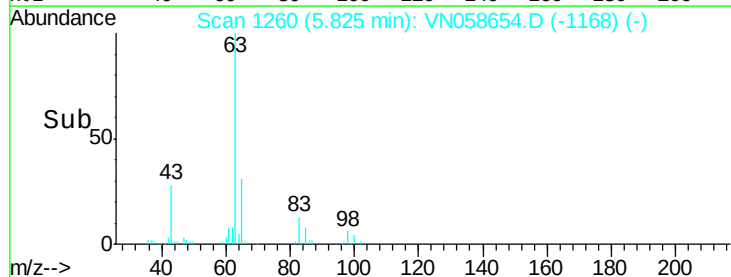
60000

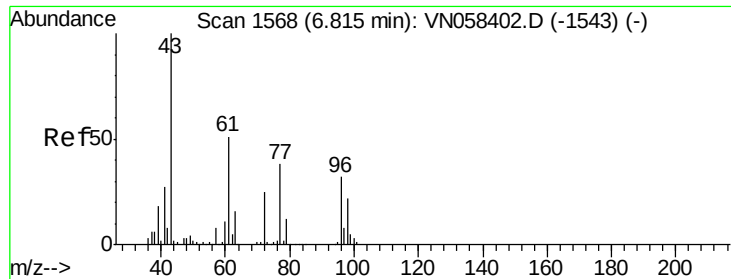
40000

20000

0

Time-->





#25

2-Butanone

Concen: 97.281 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN058654.D

Acq: 9 Oct 2019 20:38

Instrument :

MSVOA_N

ClientSampleId :

VN1010WBSD01

Tot Ion: 43 Resp: 288367

Ion Ratio Lower Upper

43 100

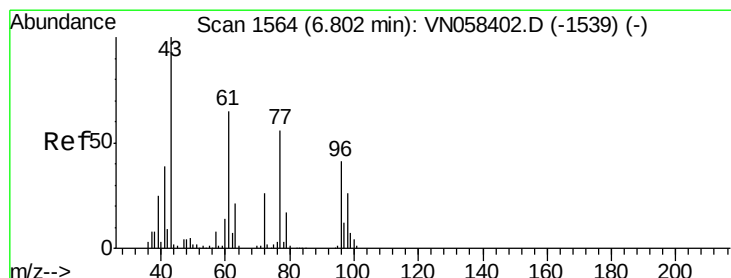
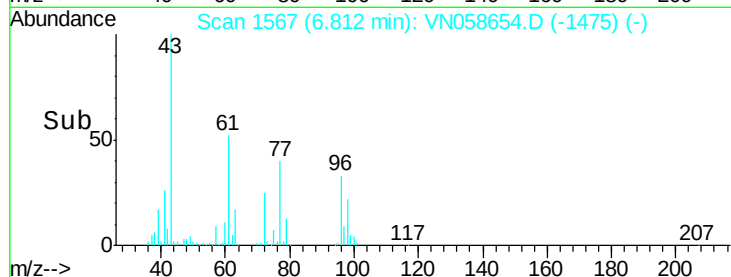
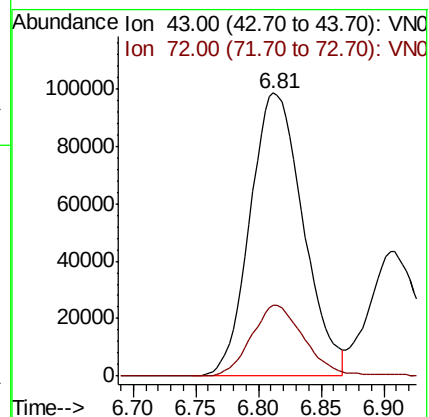
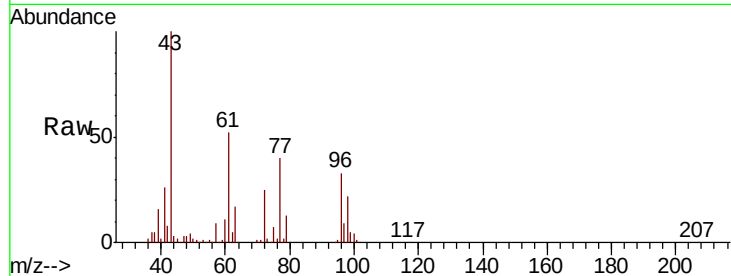
72 24.9 20.2 30.4

Manual Integrations

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MMDadoda

10/10/2019 3:20:10 PM



#26

2,2-Dichloropropane

Concen: 19.283 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN058654.D

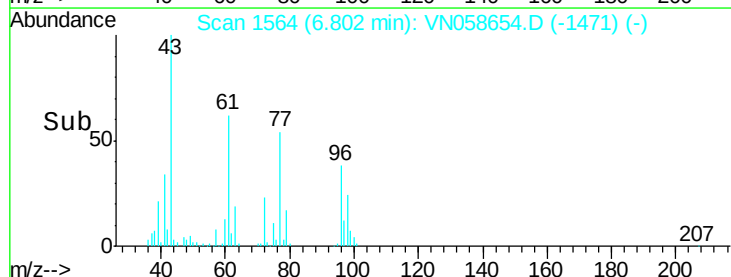
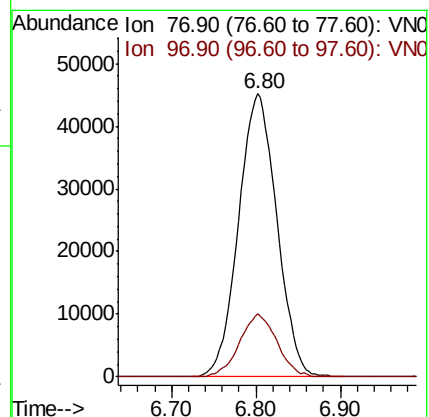
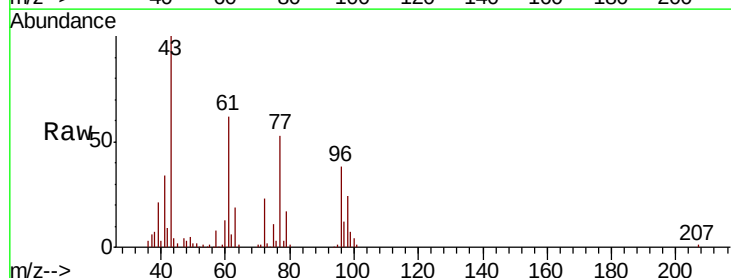
Acq: 9 Oct 2019 20:38

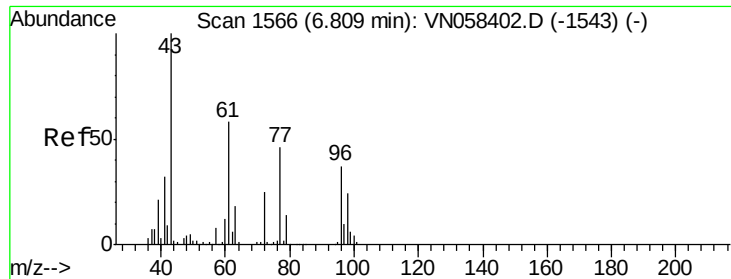
Tgt Ion: 77 Resp: 142848

Ion Ratio Lower Upper

77 100

97 21.6 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 18.203 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN058654.D

Acq: 9 Oct 2019 20:38

Instrument :

MSVOA_N

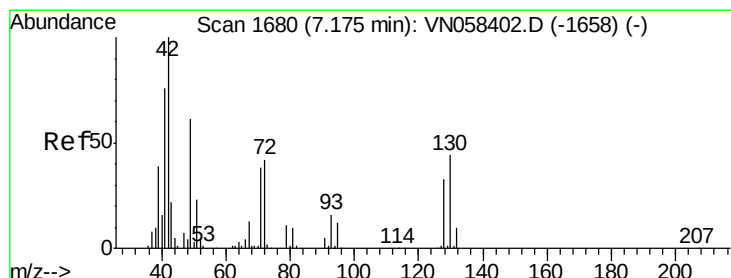
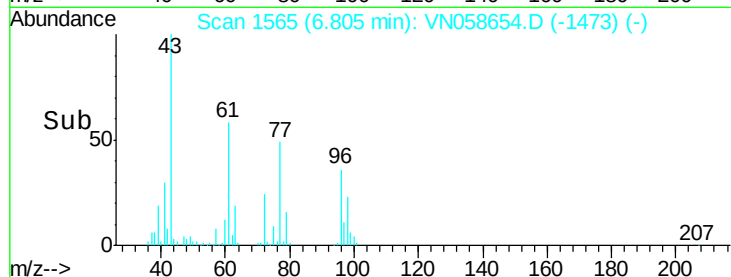
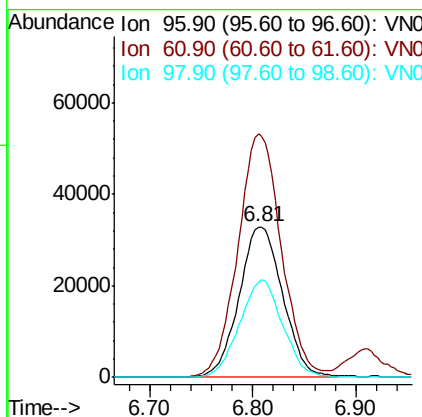
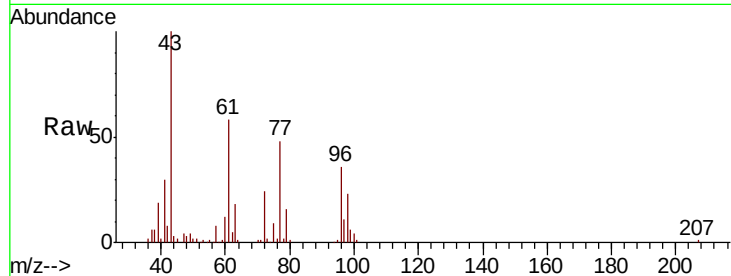
ClientSampleId :

VN1010WBSD01

Tot Ion:	96	Resp:	96728
Ion	Ratio	Lower	Upper
96	100		
61	160.9	0.0	318.8
98	64.0	0.0	129.8

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#28

Bromochloromethane

Concen: 19.464 ug/l

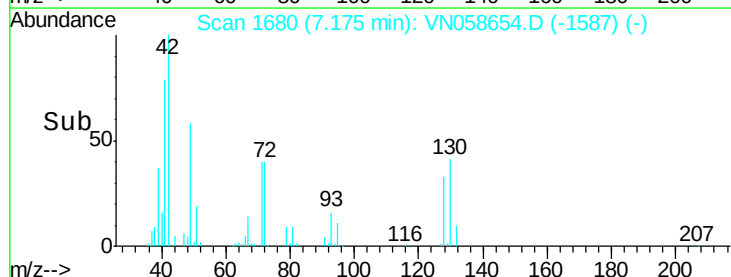
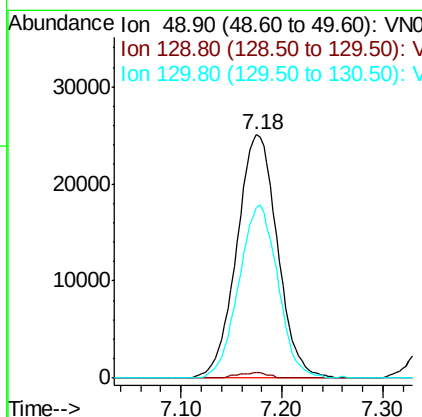
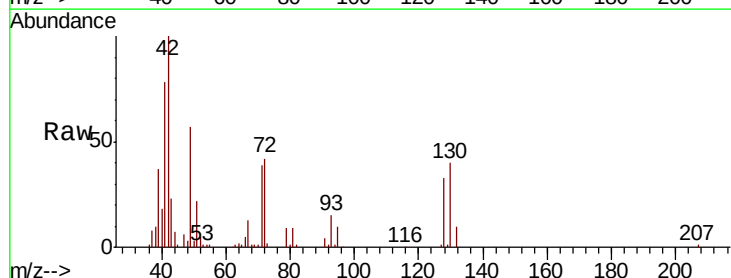
RT: 7.18 min Scan# 1680

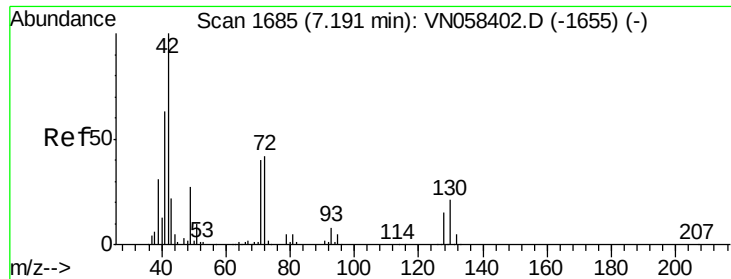
Delta R.T. 0.00 min

Lab File: VN058654.D

Acq: 9 Oct 2019 20:38

Tgt Ion:	49	Resp:	70108
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.4
130	68.1	56.3	84.5





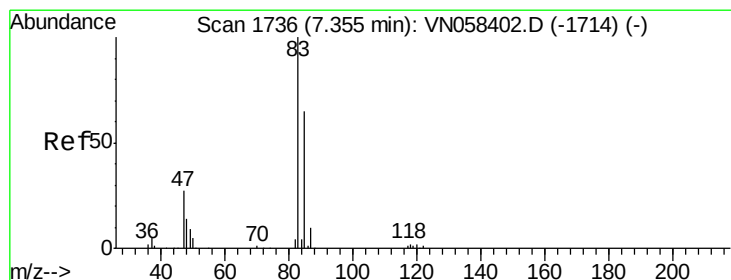
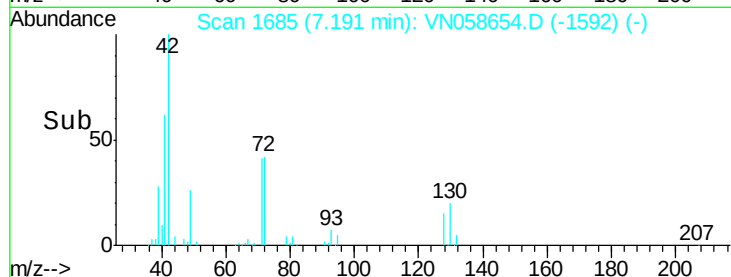
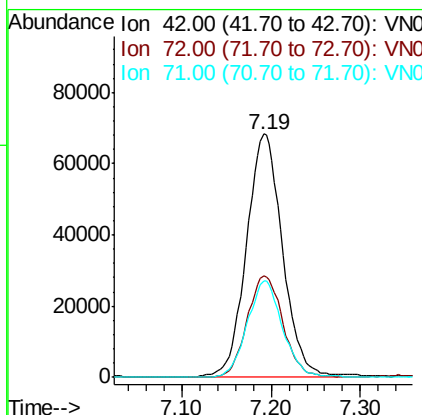
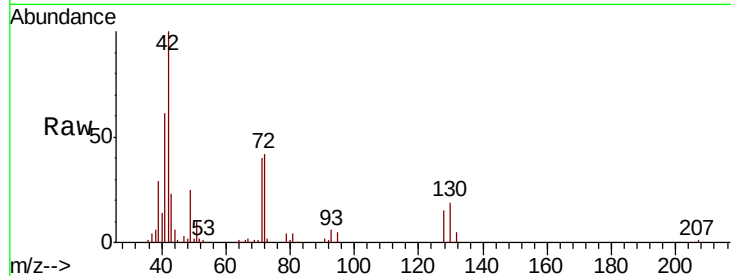
#29
Tetrahydrofuran
Concen: 101.586 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN058654.D
Acq: 9 Oct 2019 20:38

Instrument :
MSVOA_N
ClientSampleId :
VN1010WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.7	33.7	50.5
71	39.2	31.8	47.6

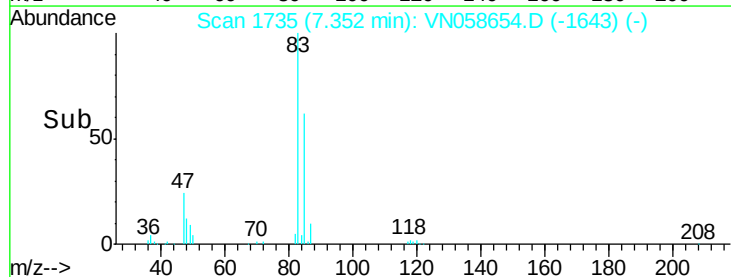
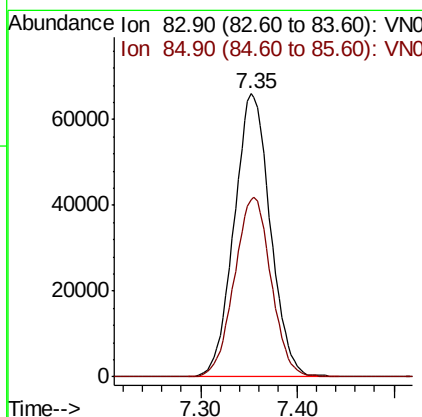
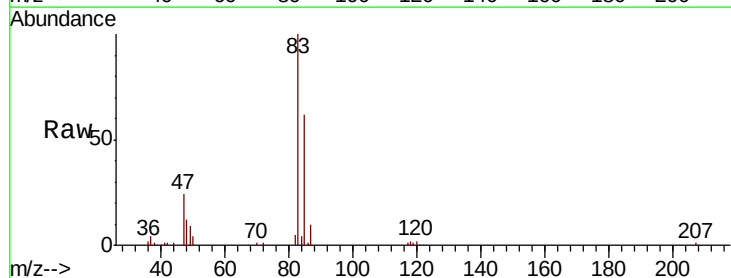
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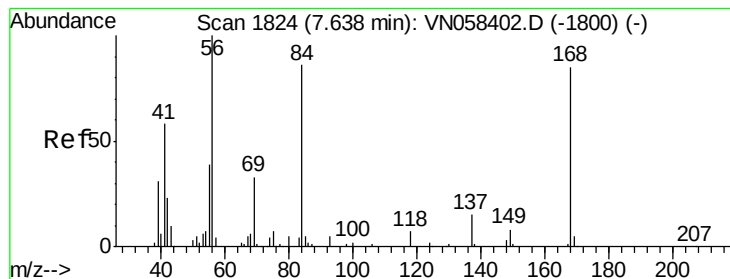
MMDadoda
10/10/2019 3:20:10 PM



#30
Chloroform
Concen: 18.770 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. -0.00 min
Lab File: VN058654.D
Acq: 9 Oct 2019 20:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.4	52.0	78.0





#31

Cyclohexane

Concen: 16.667 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VN058654.D

Acq: 9 Oct 2019 20:38

Instrument :

MSVOA_N

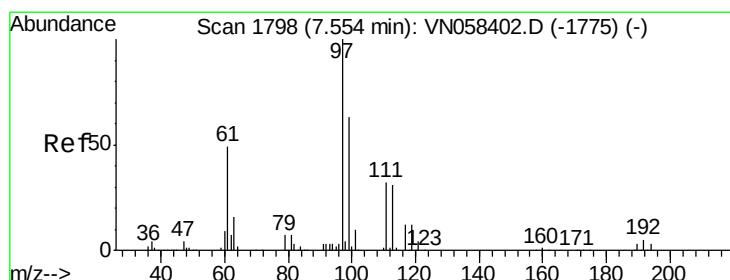
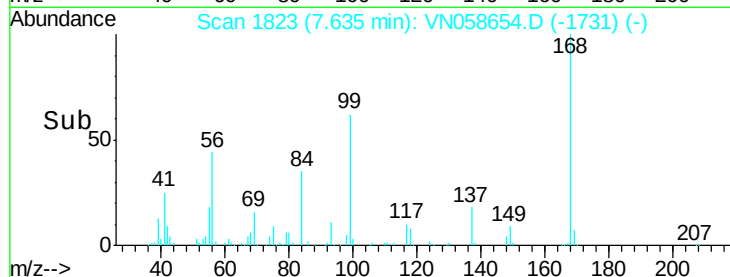
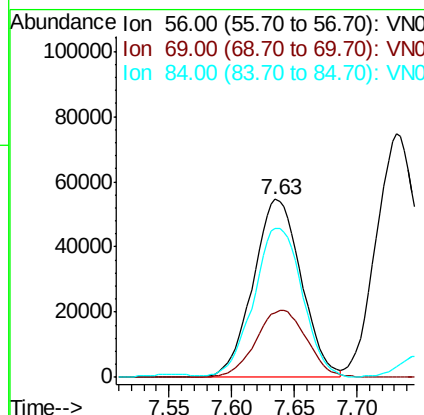
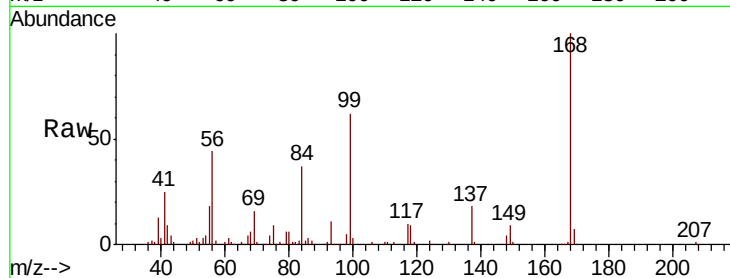
ClientSampleId :

VN1010WBSD01

Tot Ion:	56	Resp:	146092
Ion	Ratio	Lower	Upper
56	100		
69	36.4	26.2	39.4
84	82.7	67.6	101.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.580 ug/l

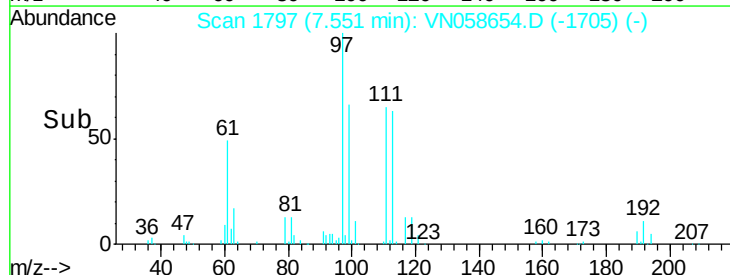
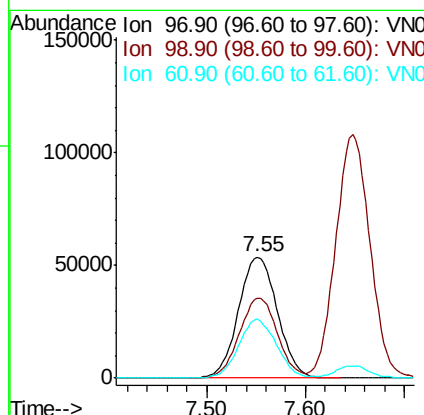
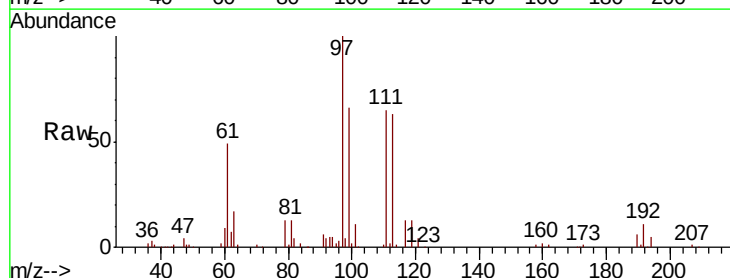
RT: 7.55 min Scan# 1797

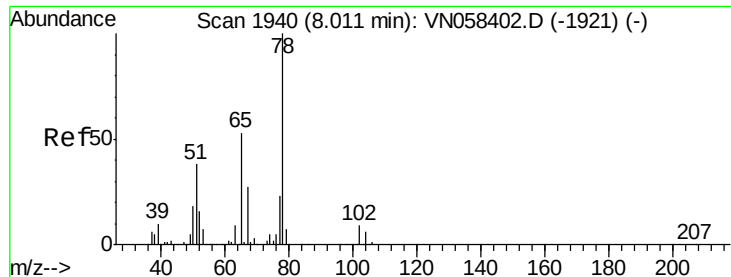
Delta R.T. -0.00 min

Lab File: VN058654.D

Acq: 9 Oct 2019 20:38

Tgt Ion:	97	Resp:	146817
Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.1	76.7
61	47.3	39.2	58.8





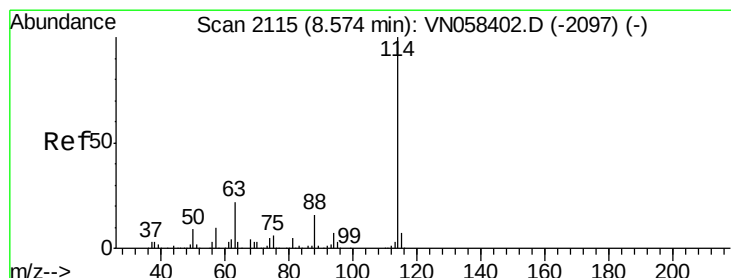
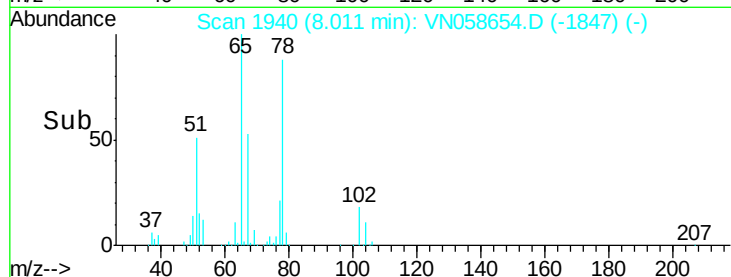
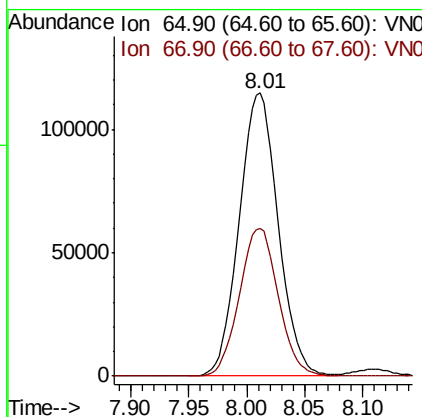
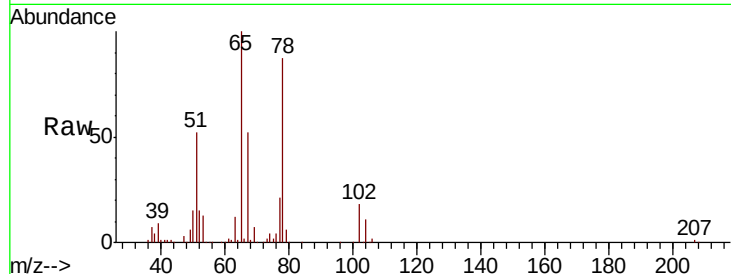
#33
 1,2-Dichloroethane-d4
 Concen: 42.400 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058654.D
 Acq: 9 Oct 2019 20:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1010WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	268538		
67	52.1	0.0	102.4	

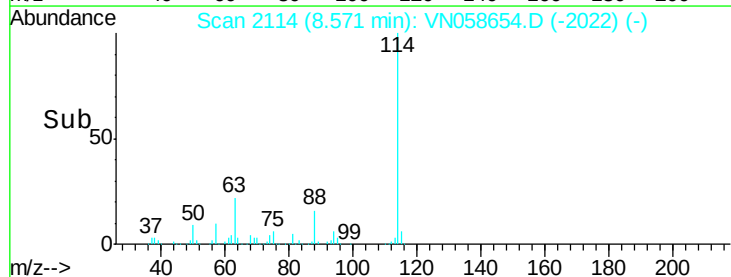
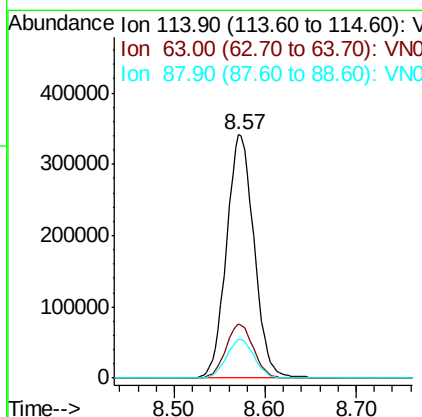
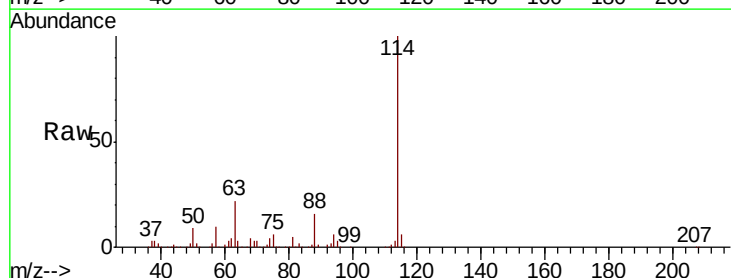
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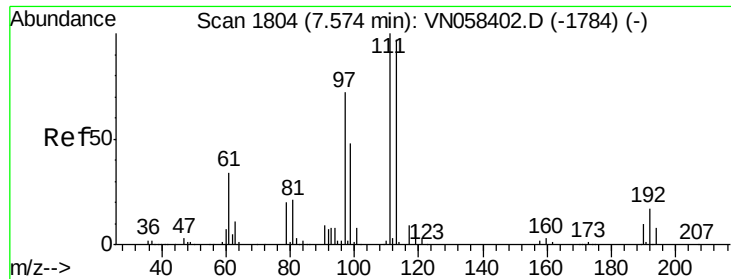
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VN058654.D
 Acq: 9 Oct 2019 20:38

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	718414		
63	22.3	0.0	45.0	
88	15.9	0.0	32.2	





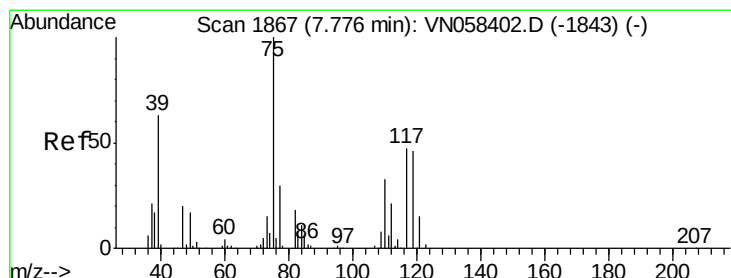
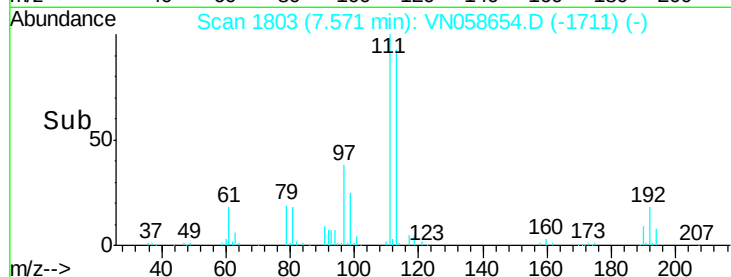
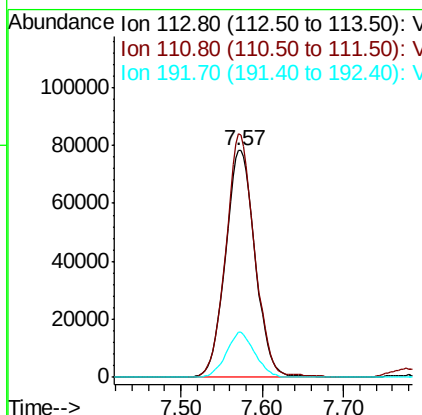
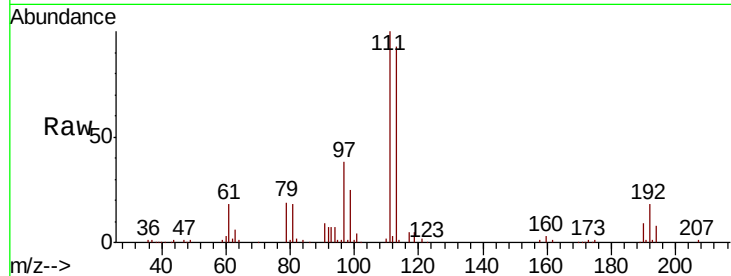
#35
 Dibromofluoromethane
 Concen: 45.302 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN058654.D
 Acq: 9 Oct 2019 20:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1010WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	199469		
111	103.6	83.4	125.2	
192	19.0	14.9	22.3	

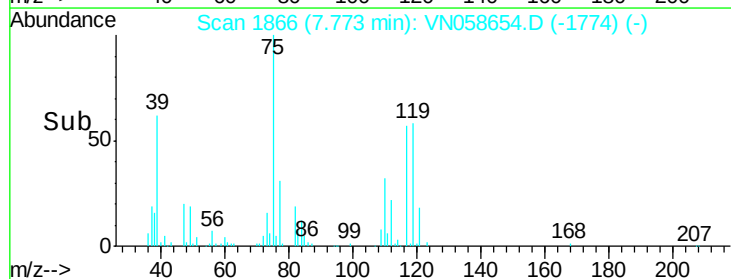
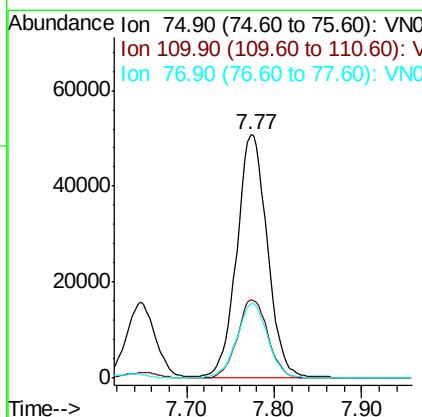
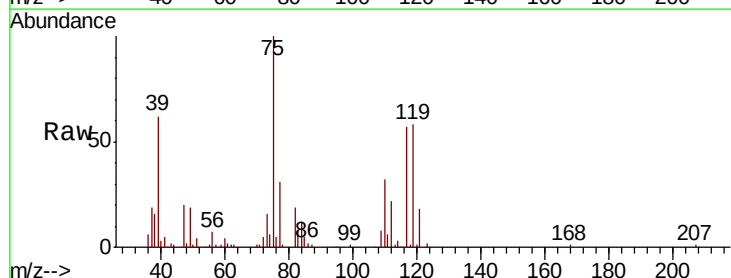
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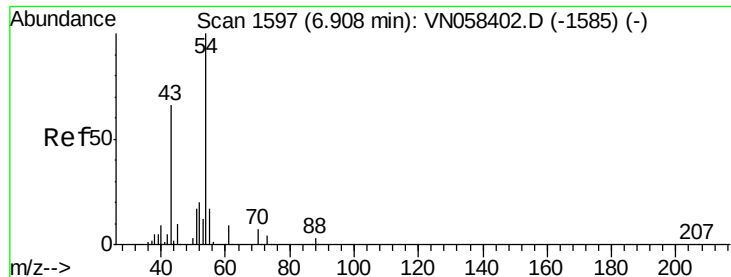
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#36
 1,1-Dichloropropene
 Concen: 18.023 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN058654.D
 Acq: 9 Oct 2019 20:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	123808		
110	32.0	16.4	49.2	
77	30.9	24.3	36.5	





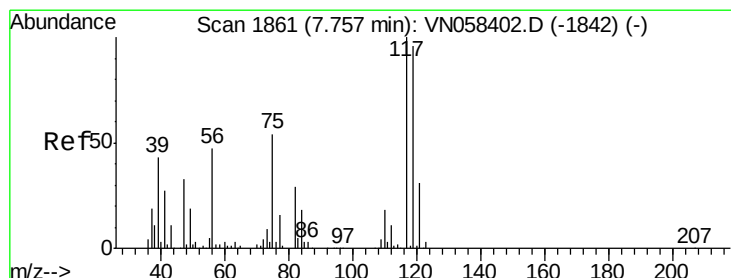
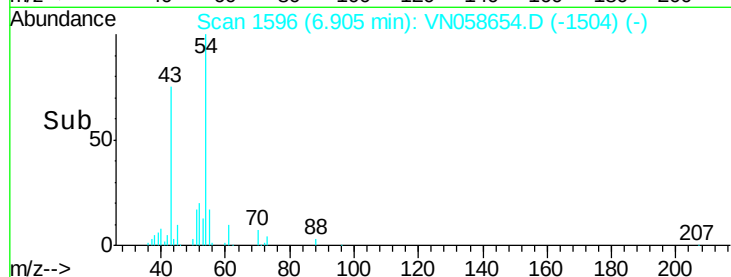
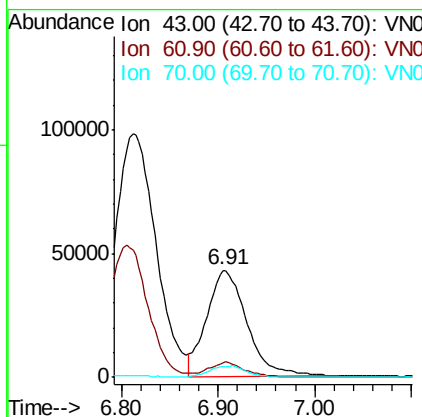
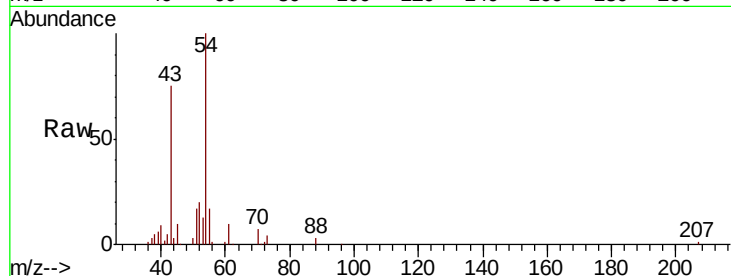
#37
Ethyl Acetate
Concen: 21.208 ug/l
RT: 6.91 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VN058654.D
Acq: 9 Oct 2019 20:38

Instrument :
MSVOA_N
ClientSampleId :
VN1010WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.5	15.7
70	10.1	7.8	11.6

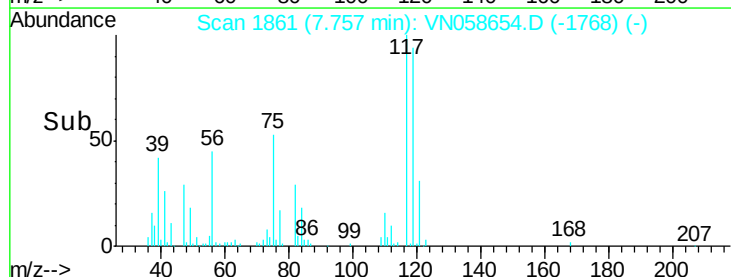
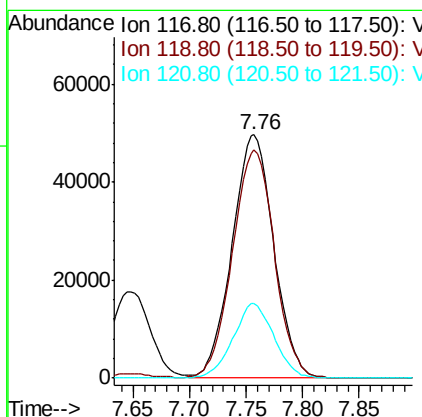
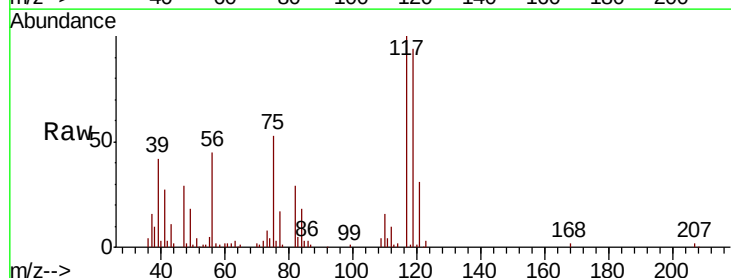
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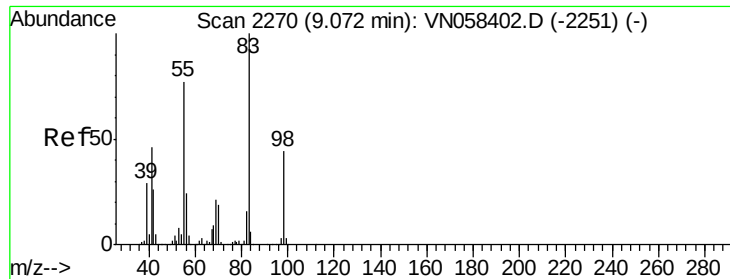
MMDadoda
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#38
Carbon Tetrachloride
Concen: 20.564 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058654.D
Acq: 9 Oct 2019 20:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.6	76.6	115.0
121	30.8	24.7	37.1





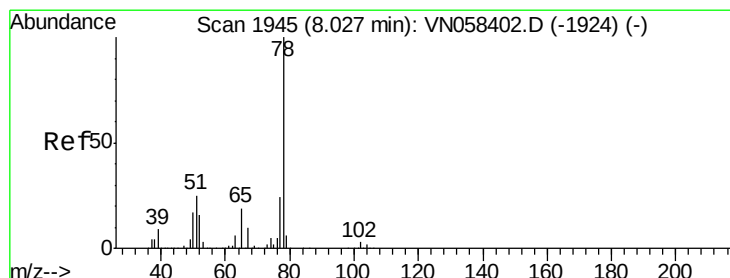
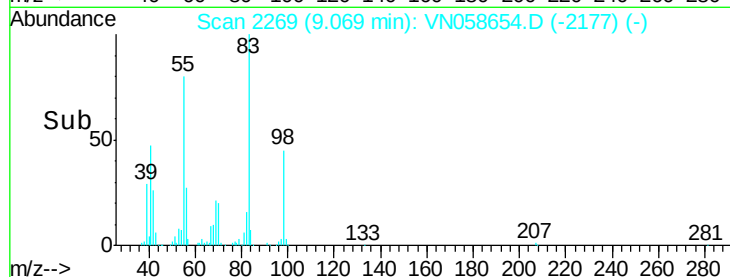
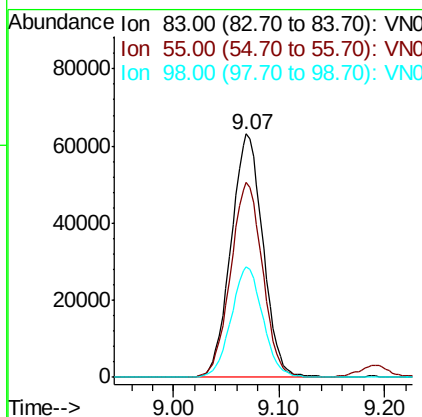
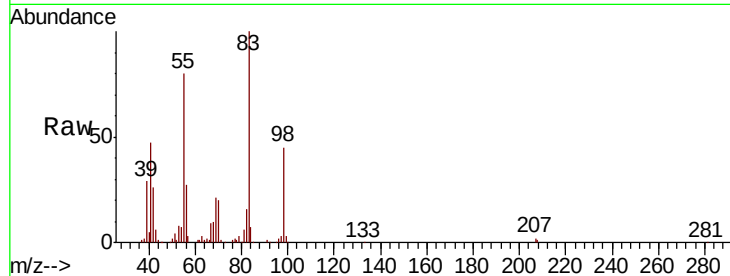
#39
Methylvlcyclohexane
Concen: 16.529 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN058654.D
Acq: 9 Oct 2019 20:38

Instrument :
MSVOA_N
ClientSampleId :
VN1010WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.9	61.8	92.6
98	45.2	35.4	53.0

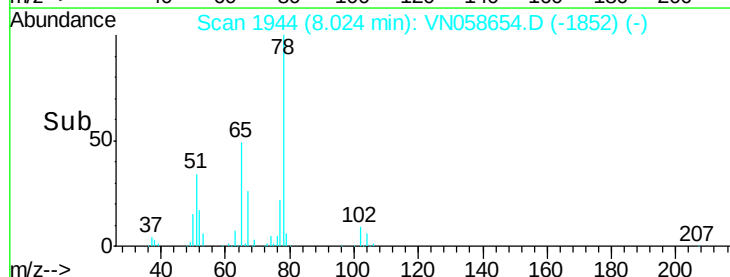
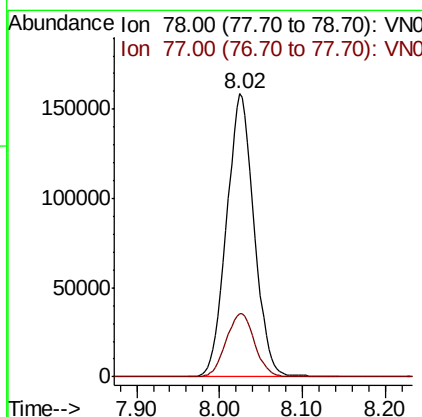
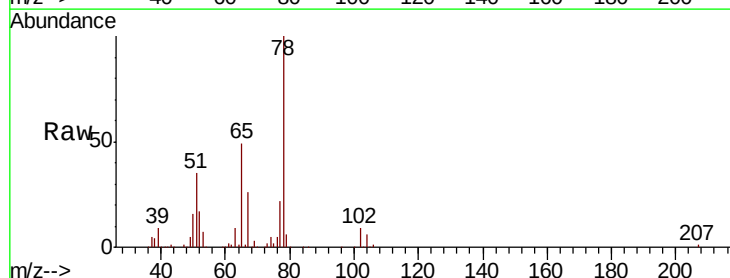
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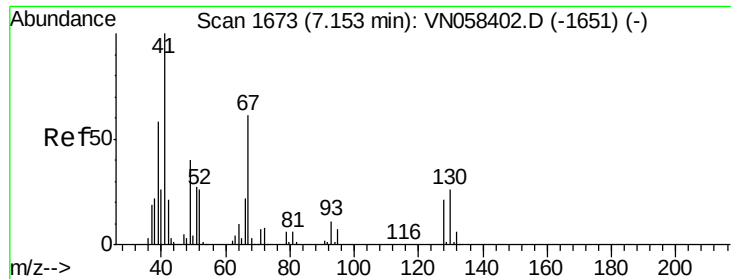
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#40
Benzene
Concen: 18.537 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN058654.D
Acq: 9 Oct 2019 20:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.2	18.9	28.3





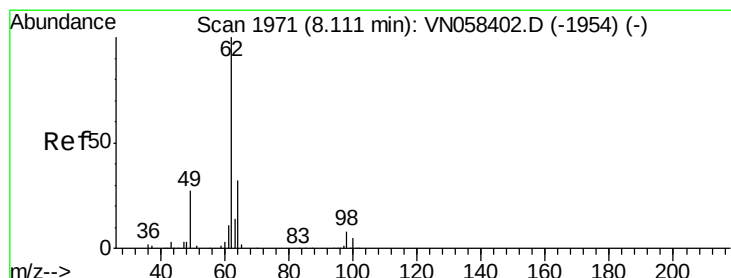
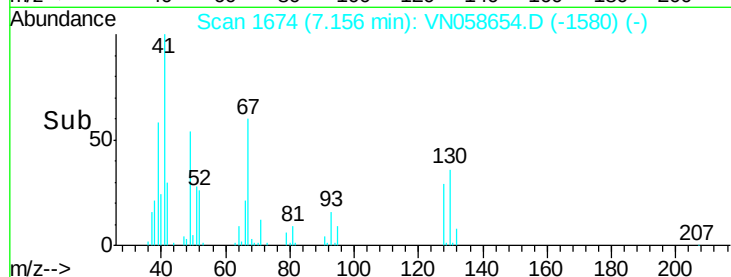
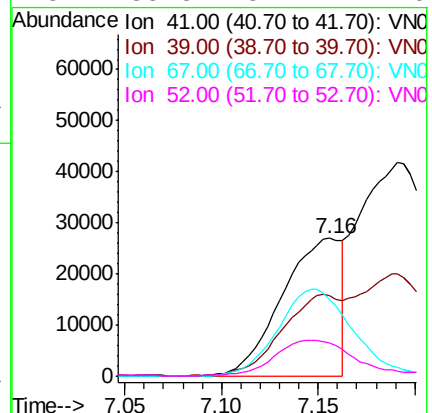
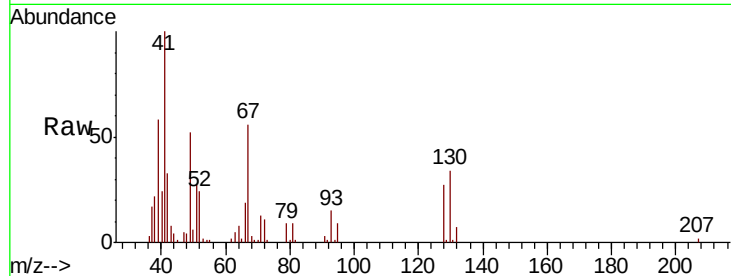
#41
Methacrylonitrile
Concen: 21.689 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN058654.D
Acq: 9 Oct 2019 20:38

Instrument :
MSVOA_N
ClientSampleId :
VN1010WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	58.1	50.2	75.4	
67	79.1	70.2	105.4	
52	35.8	31.4	47.0	

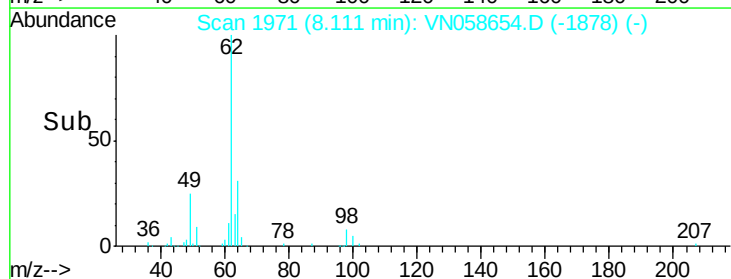
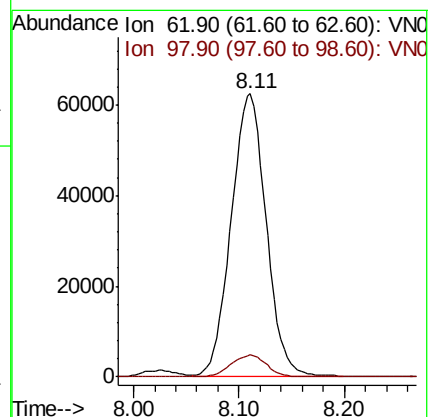
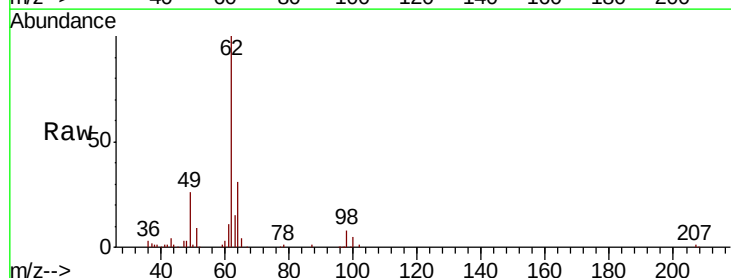
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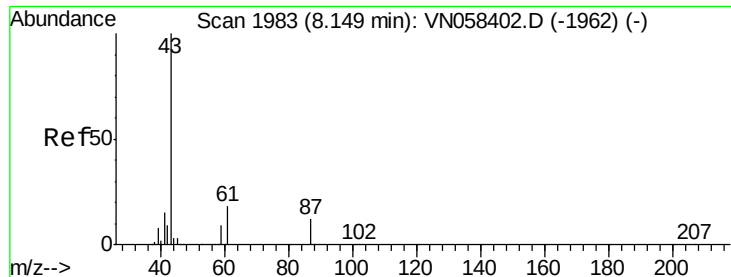
MMDadoda
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#42
1,2-Dichloroethane
Concen: 18.761 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058654.D
Acq: 9 Oct 2019 20:38

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.7	0.0	15.6	





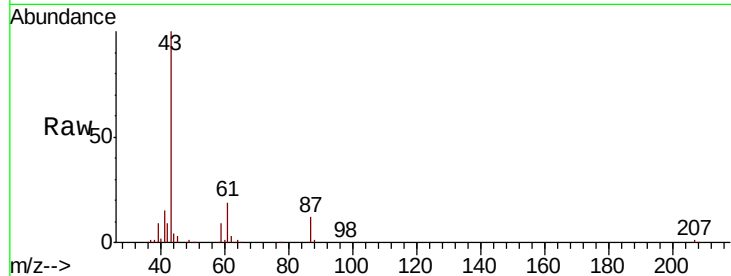
#43
Isopropyl Acetate
Concen: 18.882 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VN058654.D
Acq: 9 Oct 2019 20:38

Instrument :
MSVOA_N
ClientSampleId :
VN1010WBSD01

Tot Ion	43	Resp	206800
Ion Ratio	100	Lower	Upper
43	100		
61	25.5	14.8	22.2#
87	12.1	9.7	14.5

Manual Integrations
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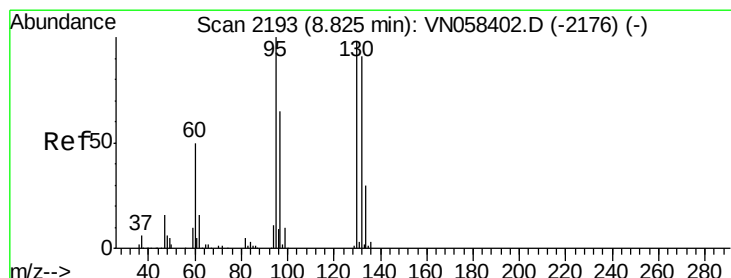
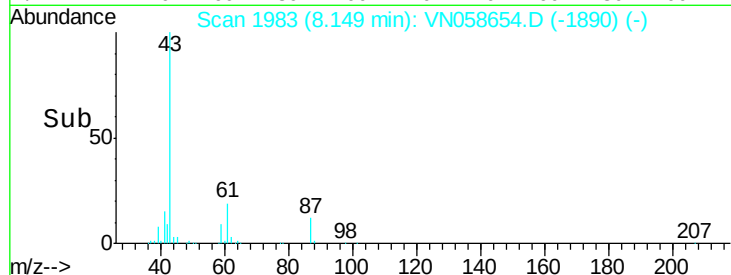
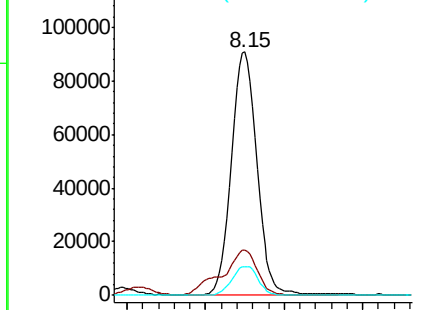


Abundance

Ion 43.00 (42.70 to 43.70): VN058654.D (-1890) (-)

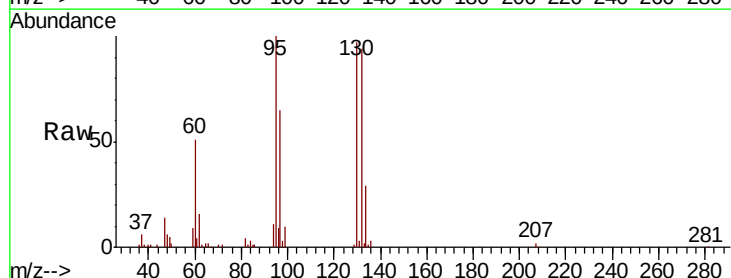
Ion 61.00 (60.70 to 61.70): VN058654.D (-1890) (-)

Ion 87.00 (86.70 to 87.70): VN058654.D (-1890) (-)



#44
Trichloroethene
Concen: 18.702 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VN058654.D
Acq: 9 Oct 2019 20:38

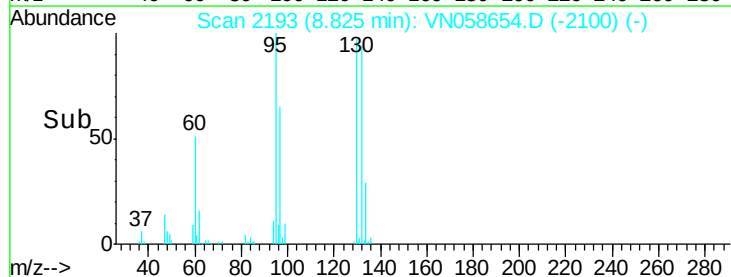
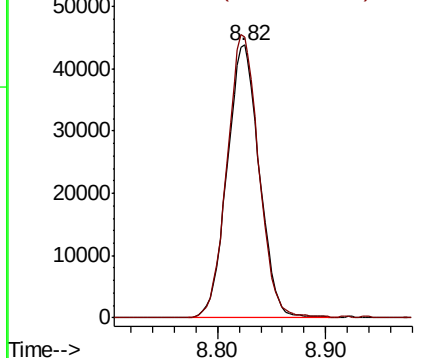
Tgt Ion	130	Resp	91185
Ion Ratio	100	Lower	Upper
130	100		
95	102.8	0.0	204.2

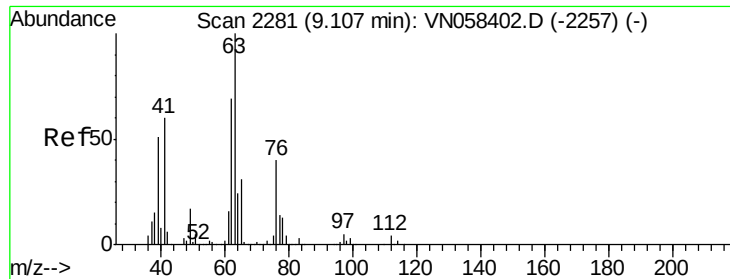


Abundance

Ion 129.80 (129.50 to 130.50): VN058654.D (-2100) (-)

Ion 94.90 (94.60 to 95.60): VN058654.D (-2100) (-)





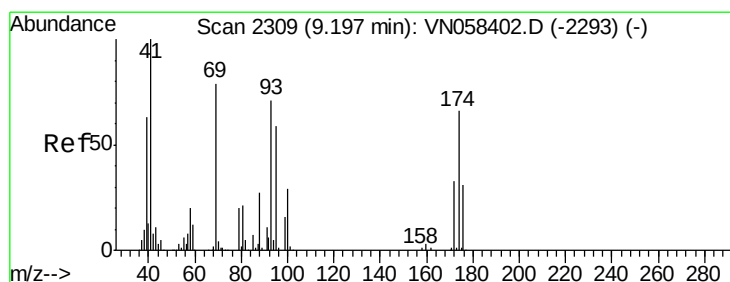
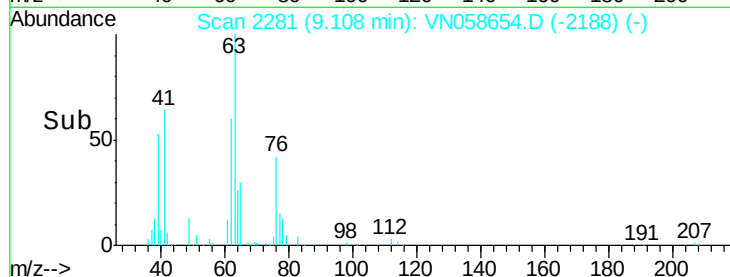
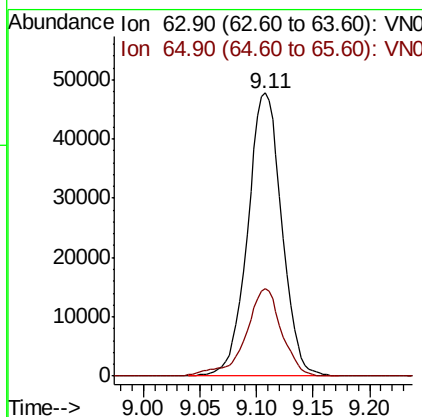
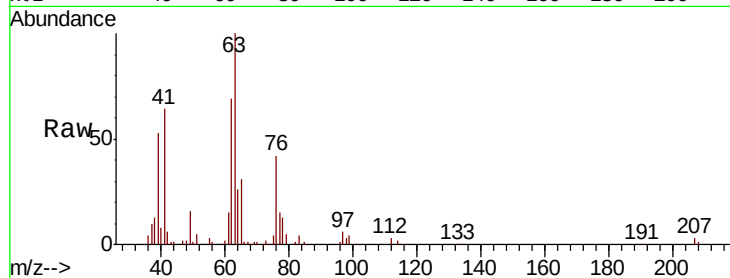
#45
 1,2-Dichloropropane
 Concen: 18.933 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: VN058654.D
 Acq: 9 Oct 2019 20:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1010WBSD01

Tot Ion: 63 Resp: 100262
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.0 37.4

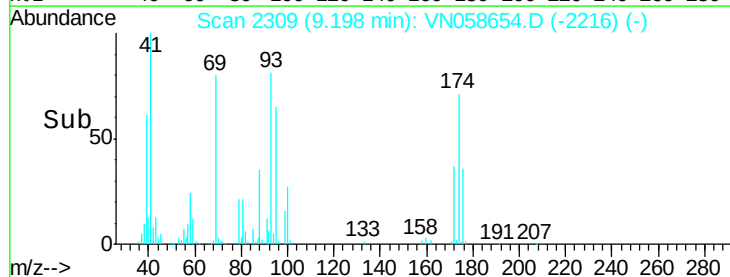
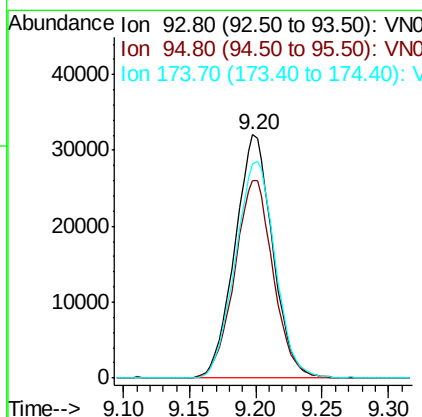
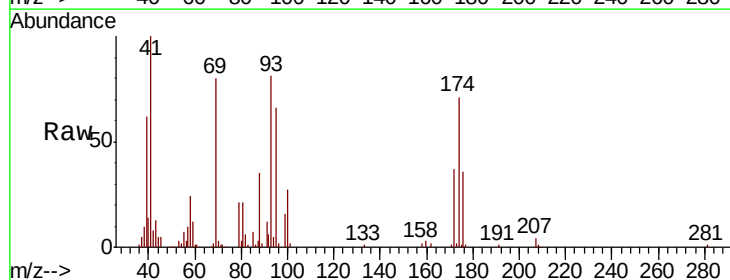
Manual Integrations
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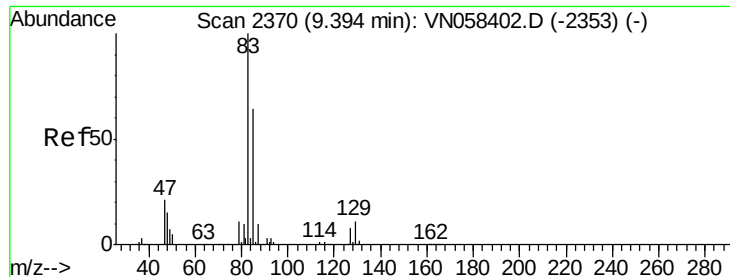
MMDadoda
 10/10/2019 3:20:10 PM



#46
 Dibromomethane
 Concen: 18.952 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN058654.D
 Acq: 9 Oct 2019 20:38

Tgt Ion: 93 Resp: 63561
 Ion Ratio Lower Upper
 93 100
 95 82.5 67.0 100.4
 174 93.6 74.2 111.2





#47

Bromodichloromethane

Concen: 20.487 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058654.D

Acq: 9 Oct 2019 20:38

Instrument :

MSVOA_N

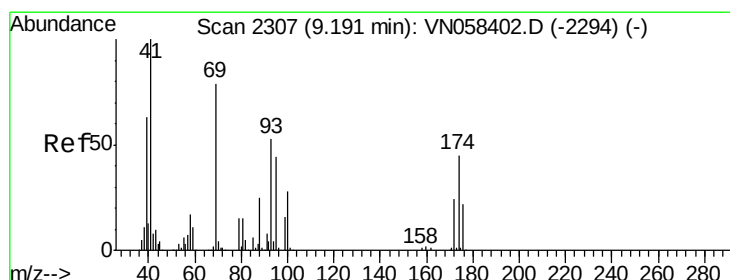
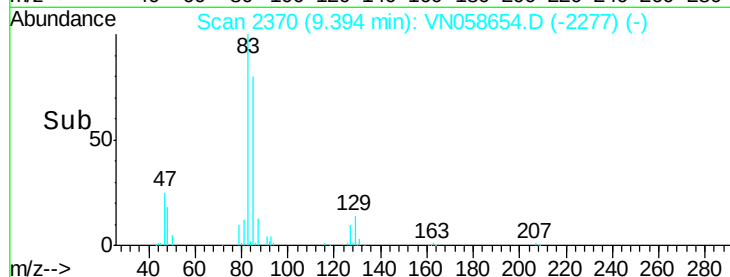
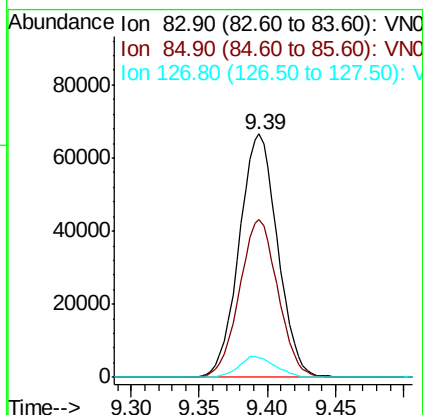
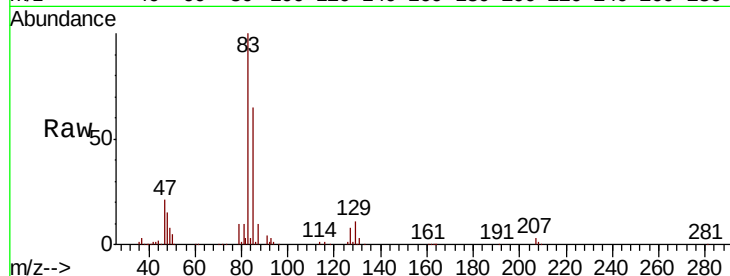
ClientSampleId :

VN1010WBSD01

Tot Ion:	83	Resp:	130178
Ion Ratio	Lower	Upper	
83	100		
85	64.6	51.2	76.8
127	8.2	6.3	9.5

Manual Integrations
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MMDadoda
10/10/2019 3:20:10 PM



#48

Methyl methacrylate

Concen: 18.289 ug/l

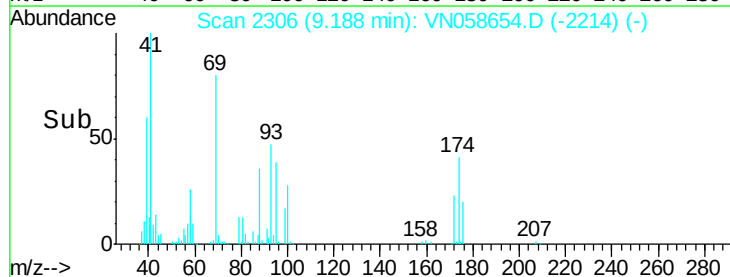
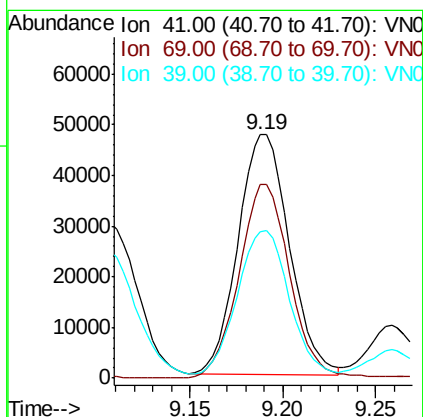
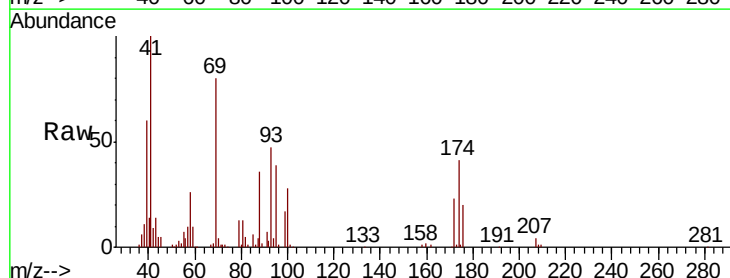
RT: 9.19 min Scan# 2306

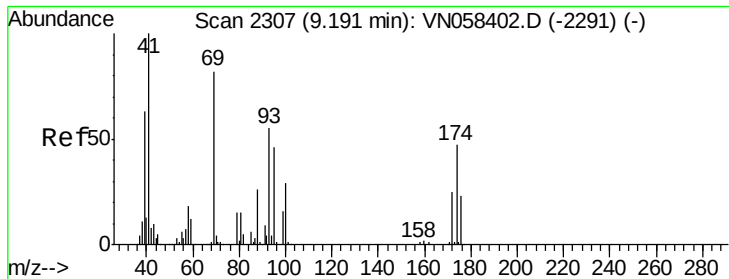
Delta R.T. -0.00 min

Lab File: VN058654.D

Acq: 9 Oct 2019 20:38

Tgt Ion:	41	Resp:	91206
Ion Ratio	Lower	Upper	
41	100		
69	80.9	64.7	97.1
39	63.8	52.9	79.3





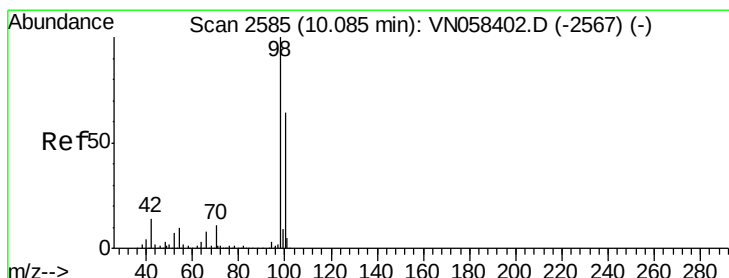
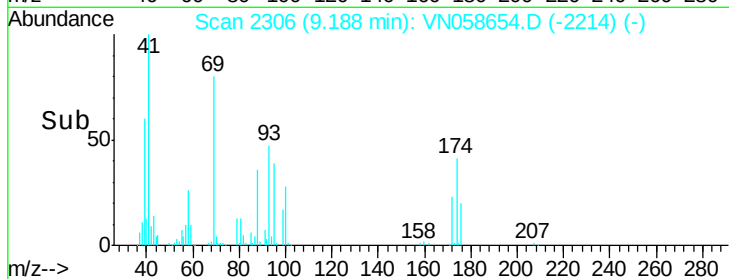
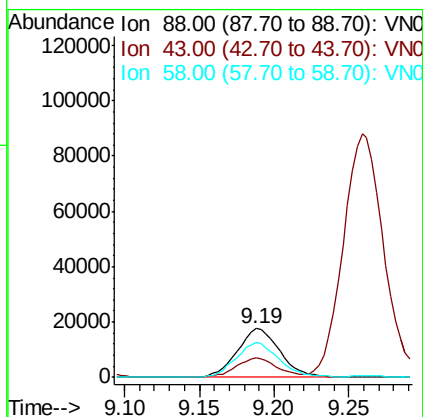
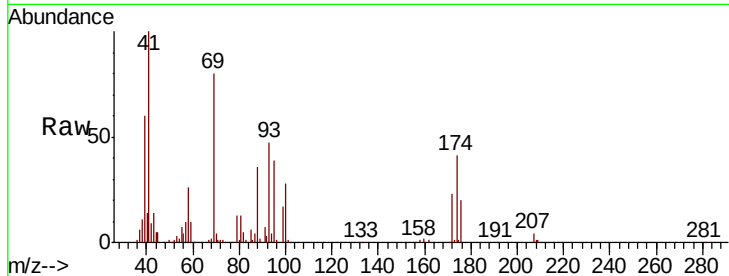
#49
1,4-Dioxane
Concen: 524.876 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN058654.D
Acq: 9 Oct 2019 20:38

Instrument :
MSVOA_N
ClientSampleId :
VN1010WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.7	31.1	46.7
58	72.3	58.1	87.1

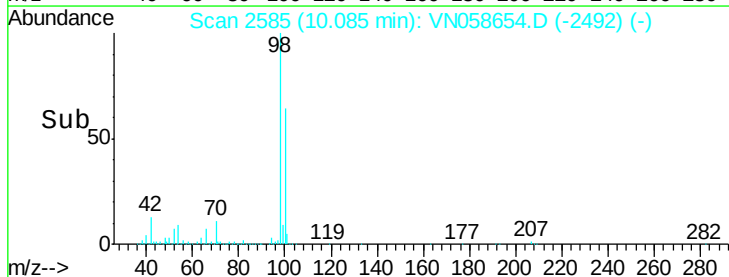
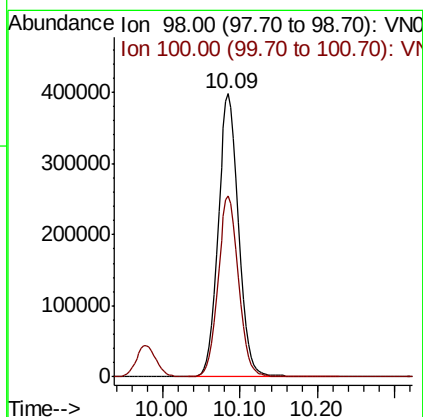
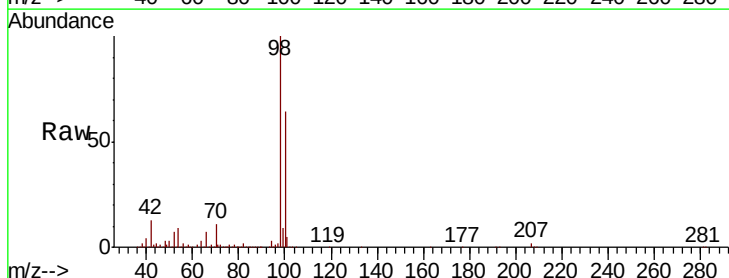
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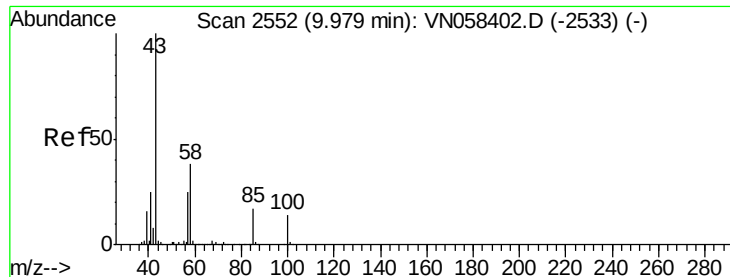
MMDadoda
10/10/2019 3:20:10 PM



#50
Toluene-d8
Concen: 42.626 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058654.D
Acq: 9 Oct 2019 20:38

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.0	76.6





#51

4-Methyl-2-Pentanone

Concen: 107.308 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058654.D

Acq: 9 Oct 2019 20:38

Instrument :

MSVOA_N

ClientSampleId :

VN1010WBSD01

Tot Ion: 43 Resp: 603682

Ion Ratio Lower Upper

43 100

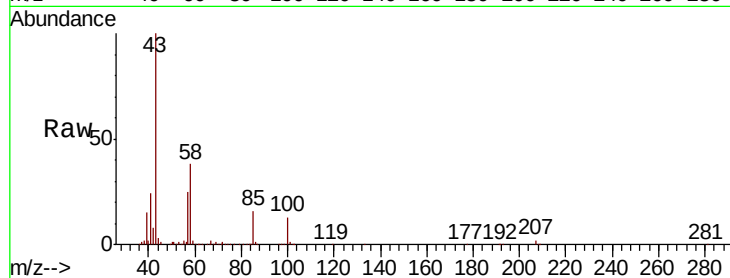
58 37.4 30.2 45.2

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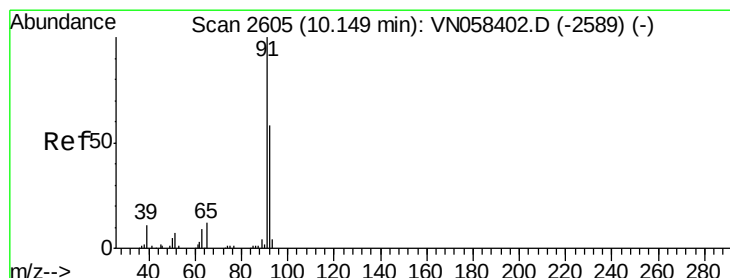
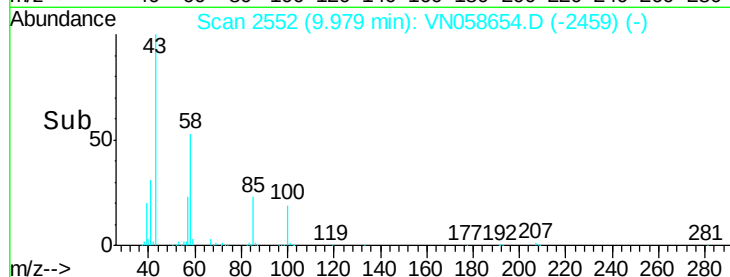
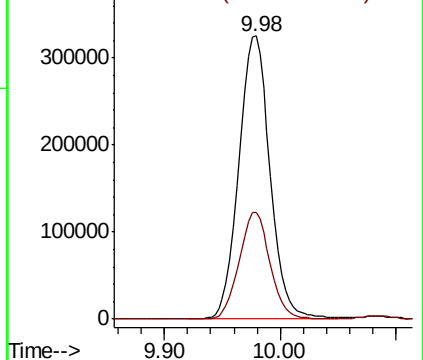
MMDadoda

10/10/2019 3:20:10 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 17.763 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058654.D

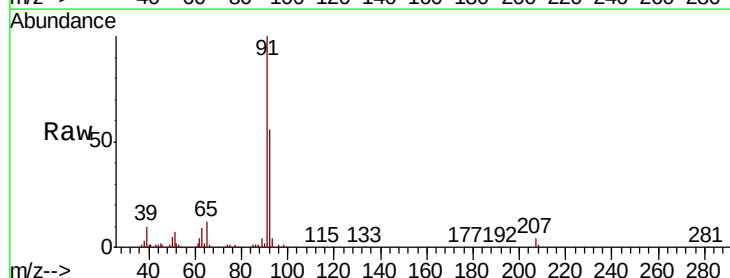
Acq: 9 Oct 2019 20:38

Tgt Ion: 92 Resp: 220769

Ion Ratio Lower Upper

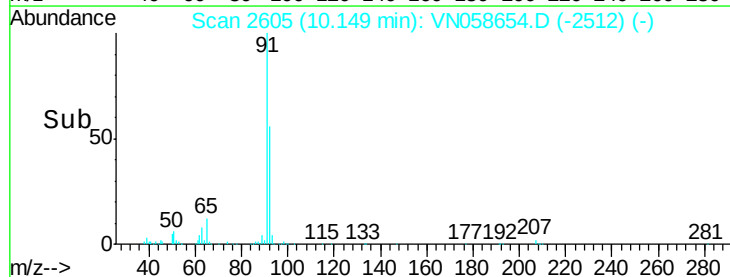
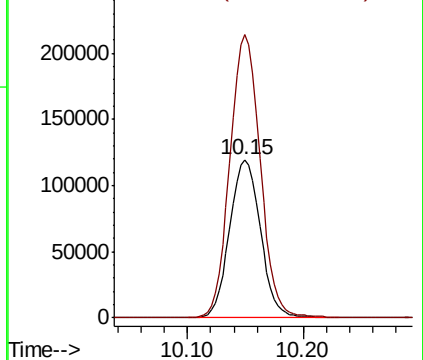
92 100

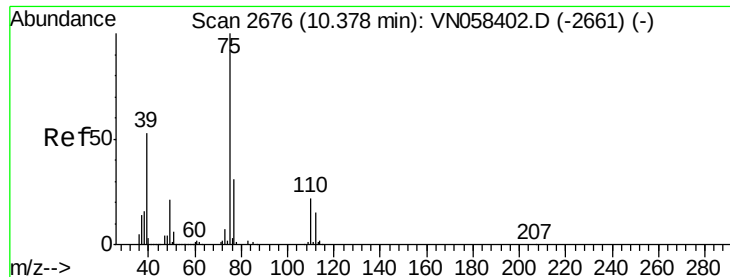
91 176.2 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 20.836 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058654.D

Acq: 9 Oct 2019 20:38

Instrument :

MSVOA_N

ClientSampleId :

VN1010WBSD01

Tot Ion: 75 Resp: 144108

Ion Ratio Lower Upper

75 100

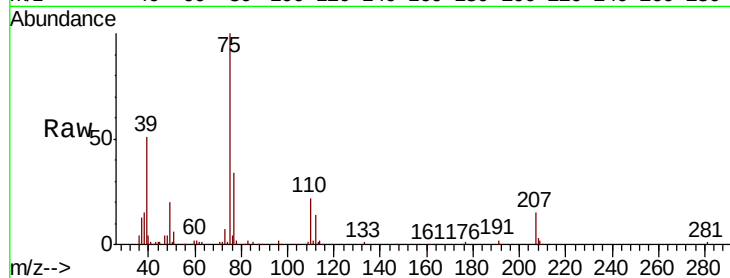
77 32.7 25.2 37.8

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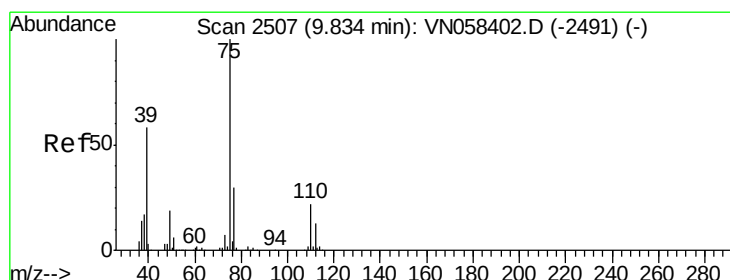
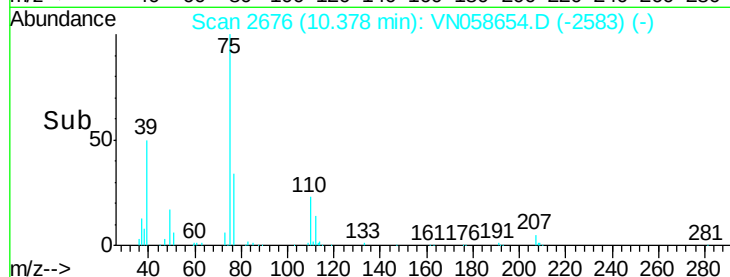
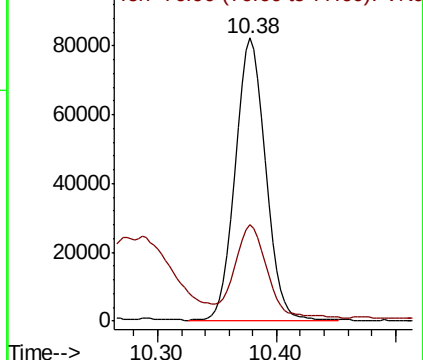
MMDadoda

10/10/2019 3:20:10 PM



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 20.130 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. -0.00 min

Lab File: VN058654.D

Acq: 9 Oct 2019 20:38

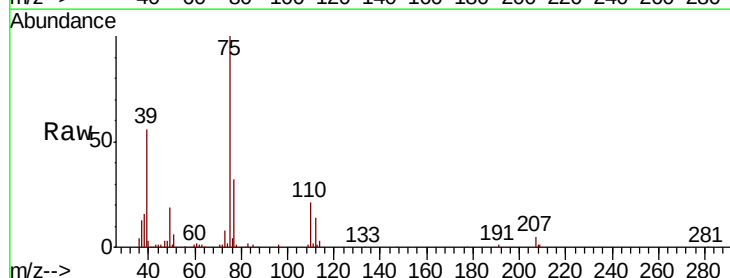
Tgt Ion: 75 Resp: 154538

Ion Ratio Lower Upper

75 100

77 32.0 24.2 36.4

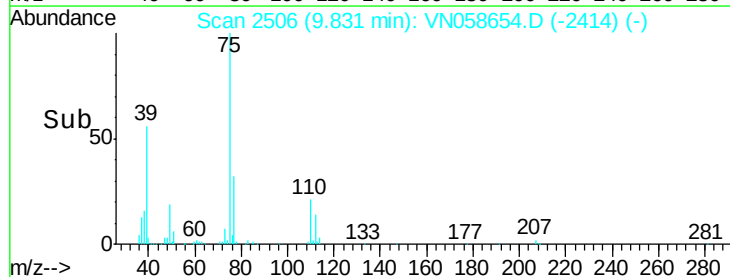
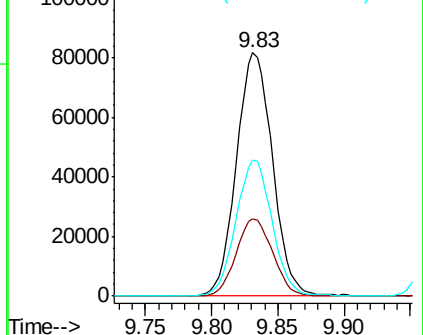
39 55.8 46.4 69.6

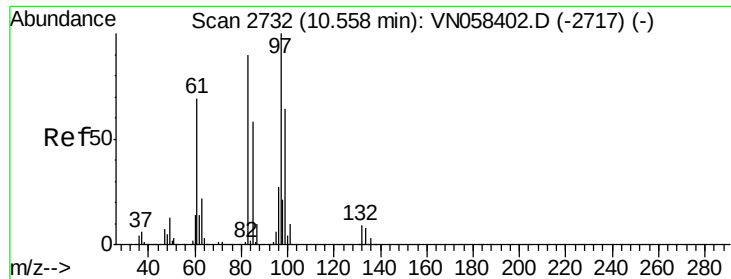


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





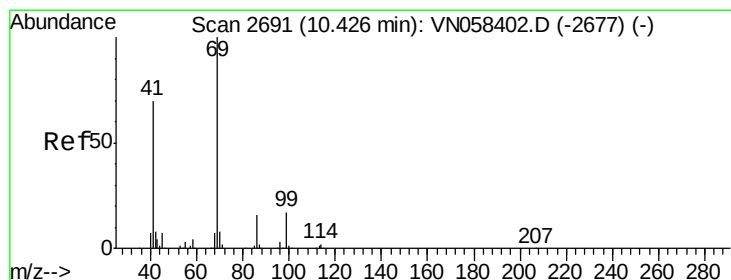
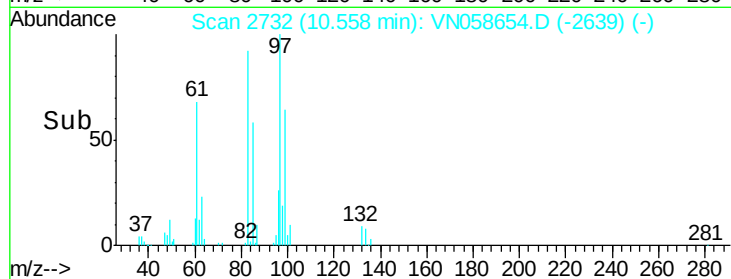
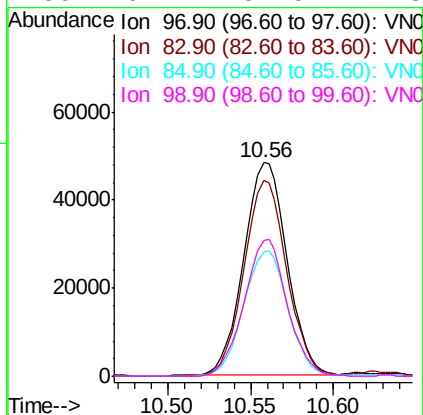
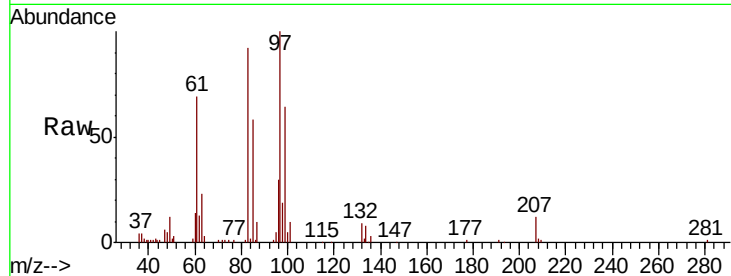
#55
 1,1,2-Trichloroethane
 Concen: 19.458 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN058654.D
 Acq: 9 Oct 2019 20:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1010WBSD01

Tot Ion:	97	Resp:	88058
Ion	Ratio	Lower	Upper
97	100		
83	92.3	71.8	107.6
85	58.4	46.6	69.8
99	64.1	51.5	77.3

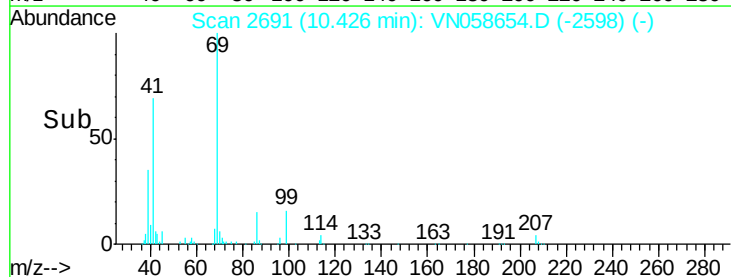
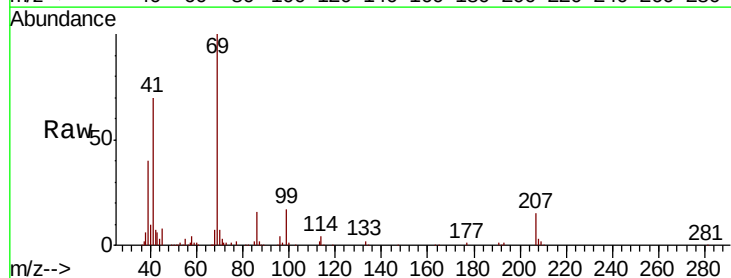
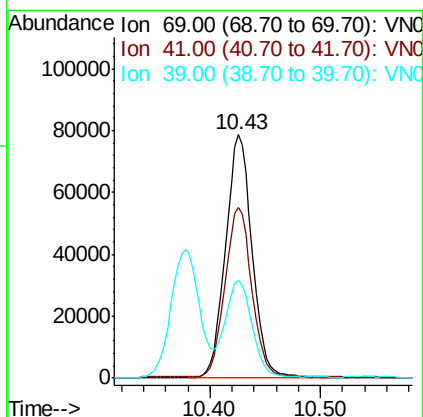
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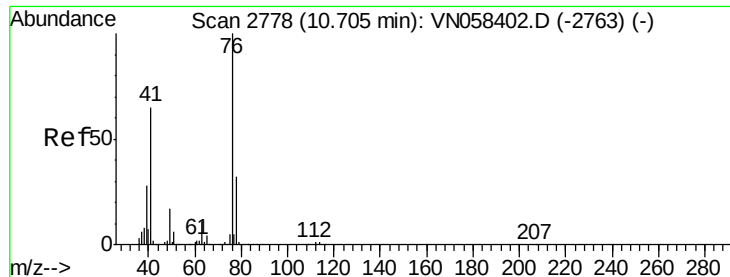
MMDadoda
 10/10/2019 3:20:10 PM



#56
 Ethyl methacrylate
 Concen: 19.157 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058654.D
 Acq: 9 Oct 2019 20:38

Tgt Ion:	69	Resp:	131551
Ion	Ratio	Lower	Upper
69	100		
41	69.9	56.3	84.5
39	40.5	35.8	53.6





#57

1,3-Dichloropropane

Concen: 19.581 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058654.D

Acq: 9 Oct 2019 20:38

Instrument :

MSVOA_N

ClientSampleId :

VN1010WBSD01

Tot Ion: 76 Resp: 158065

Ion Ratio Lower Upper

76 100

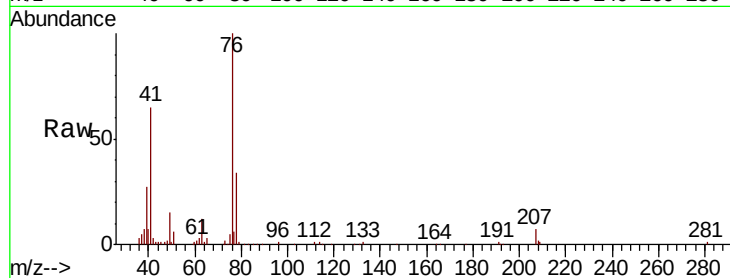
78 33.1 25.7 38.5

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

80000

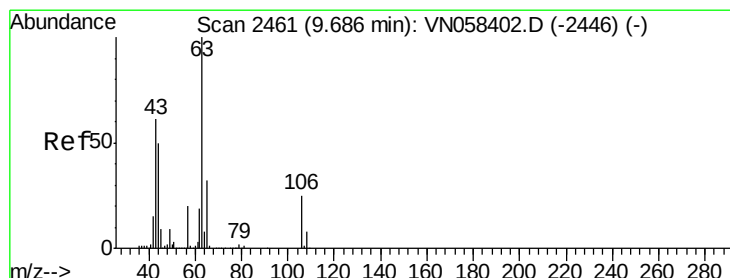
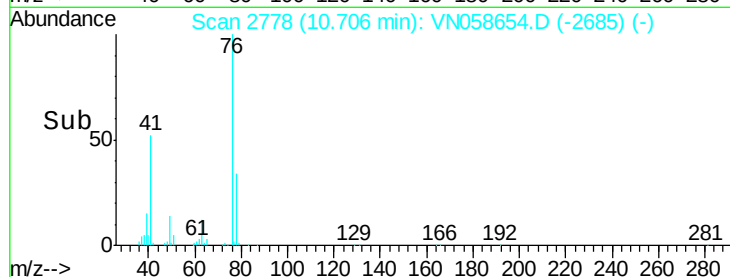
60000

40000

20000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 111.185 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN058654.D

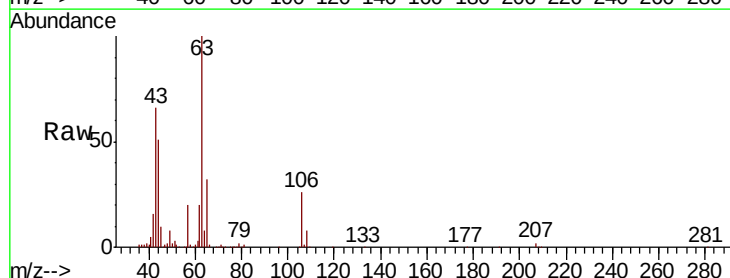
Acq: 9 Oct 2019 20:38

Tgt Ion: 63 Resp: 304447

Ion Ratio Lower Upper

63 100

106 25.3 20.3 30.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

200000

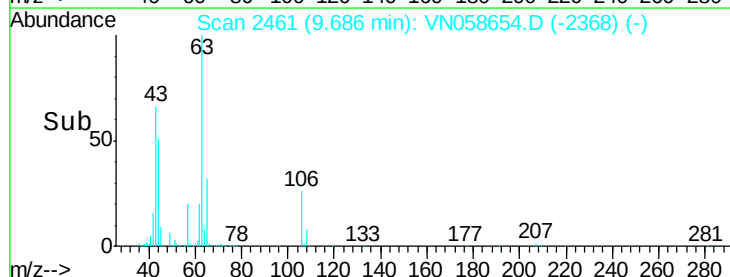
150000

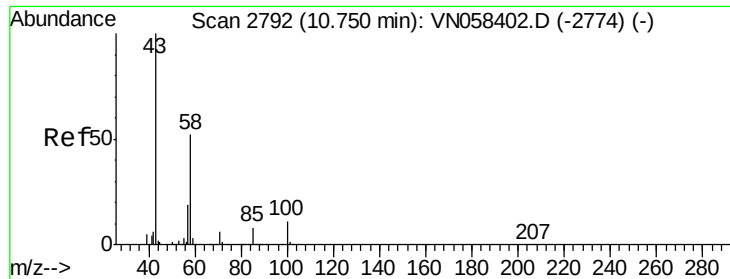
100000

50000

0

Time--> 9.60 9.65 9.70 9.75 9.80





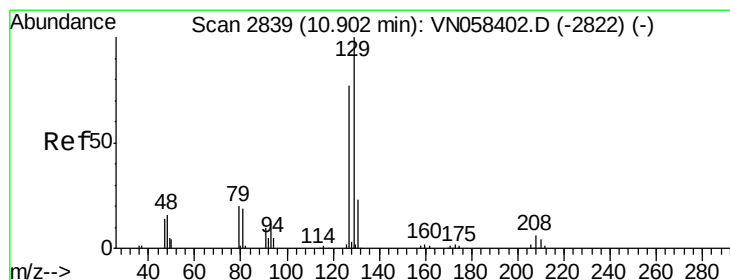
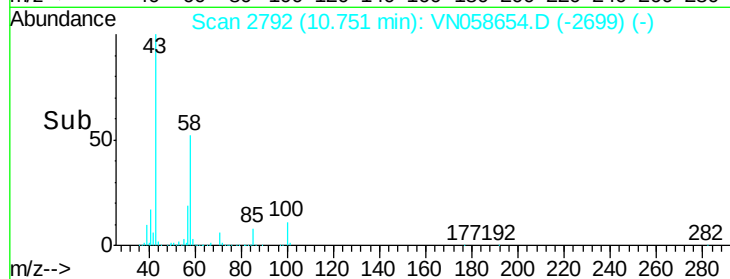
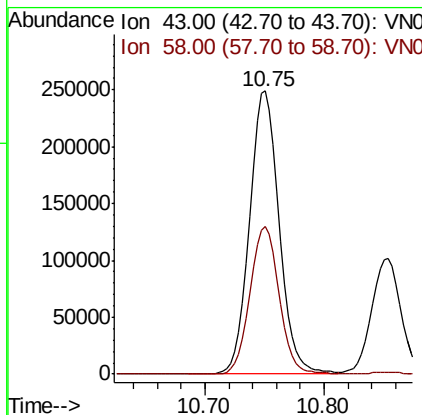
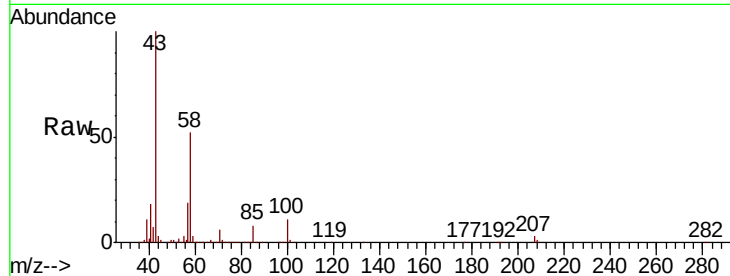
#59
2-Hexanone
Concen: 104.220 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058654.D
Acq: 9 Oct 2019 20:38

Instrument :
MSVOA_N
ClientSampleId :
VN1010WBSD01

Tot Ion: 43 Resp: 426920
Ion Ratio Lower Upper
43 100
58 51.9 25.8 77.3

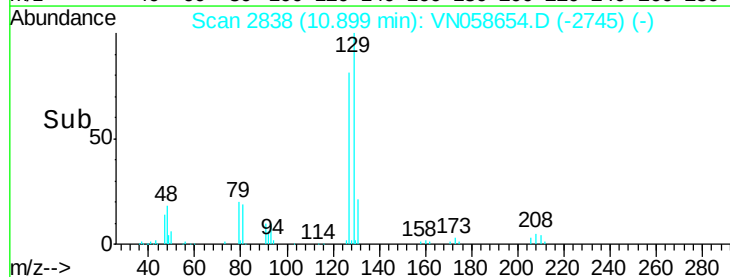
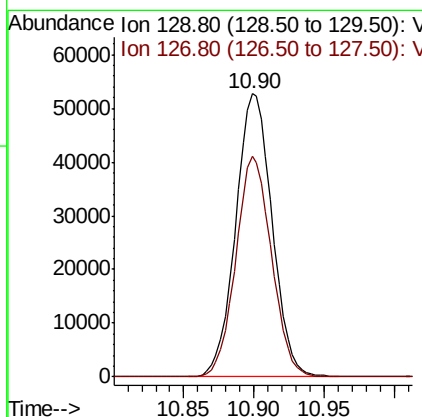
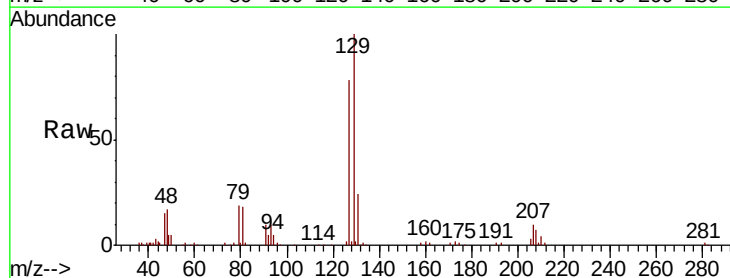
Manual Integrations
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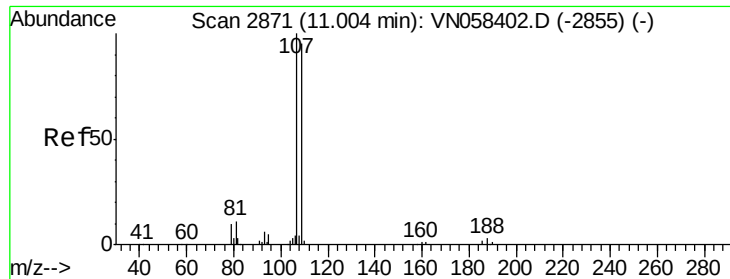
MMDadoda
10/10/2019 3:20:10 PM



#60
Dibromochloromethane
Concen: 20.058 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN058654.D
Acq: 9 Oct 2019 20:38

Tgt Ion: 129 Resp: 95551
Ion Ratio Lower Upper
129 100
127 76.0 38.3 114.8





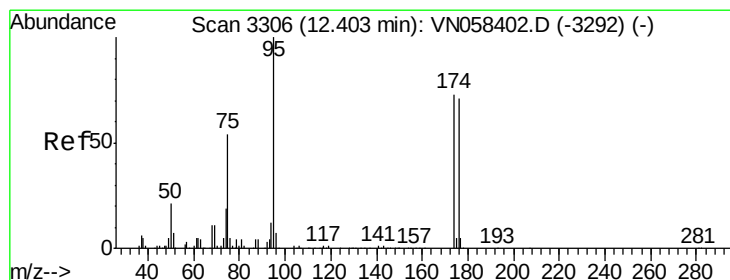
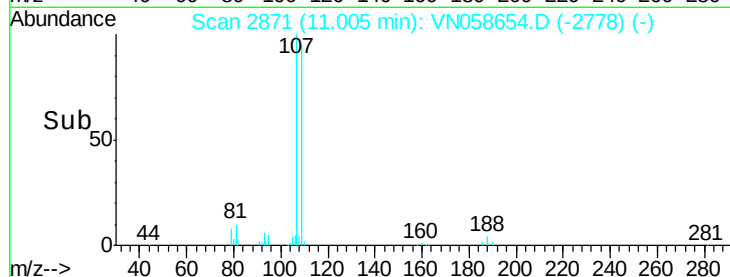
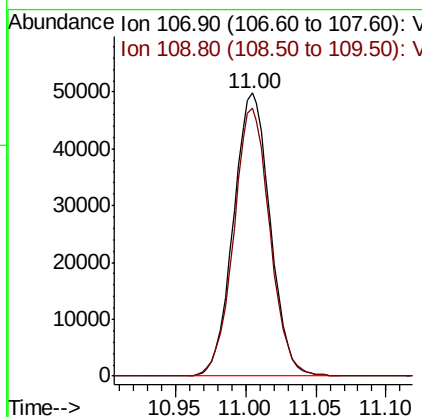
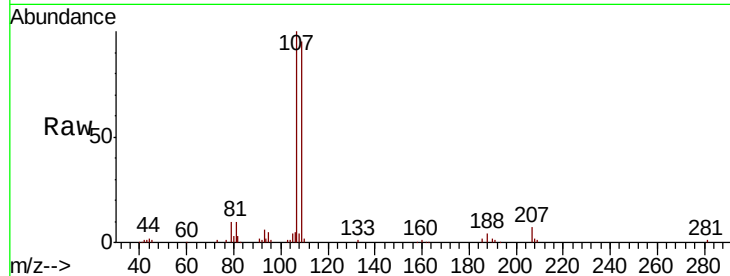
#61
 1,2-Dibromoethane
 Concen: 19.621 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058654.D
 Acq: 9 Oct 2019 20:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1010WBSD01

Tot Ion:107 Resp: 90732
 Ion Ratio Lower Upper
 107 100
 109 93.6 75.3 112.9

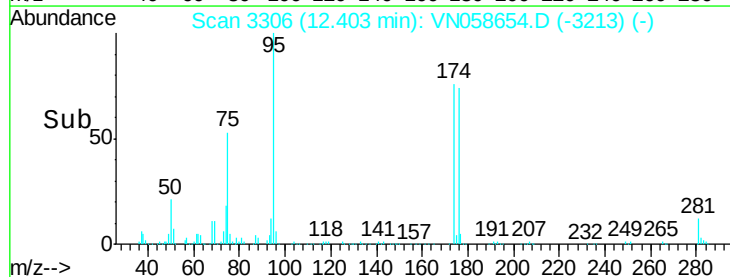
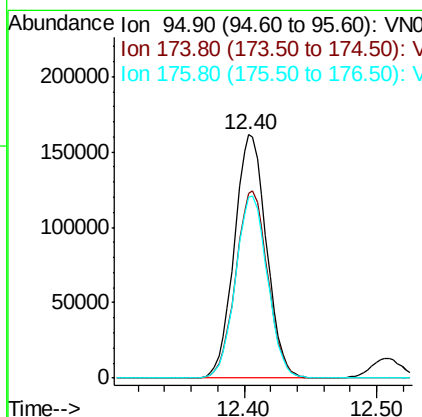
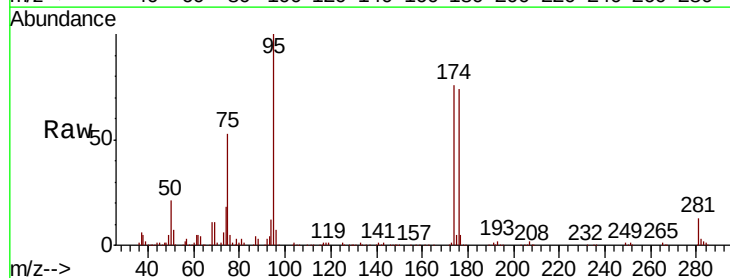
Manual Integrations
 APPROVED

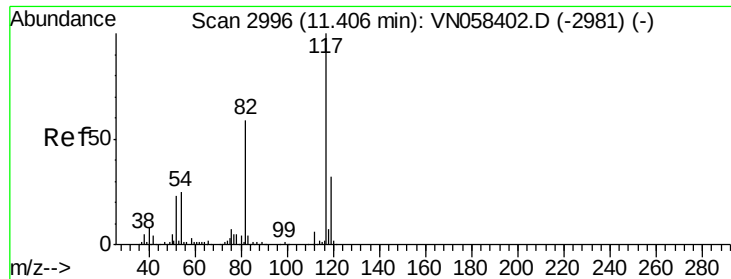
MMDadoda
 10/10/2019 3:20:10 PM



#62
 4-Bromofluorobenzene
 Concen: 43.487 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058654.D
 Acq: 9 Oct 2019 20:38

Tgt Ion: 95 Resp: 271219
 Ion Ratio Lower Upper
 95 100
 174 76.7 0.0 150.6
 176 74.5 0.0 146.2





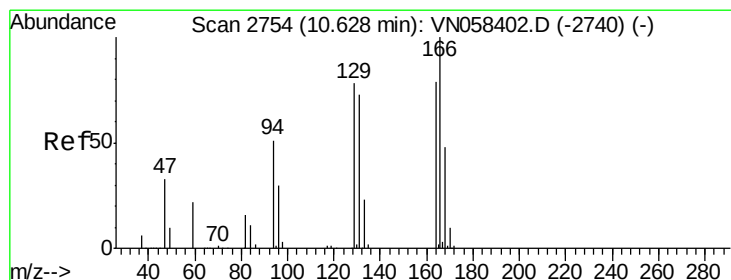
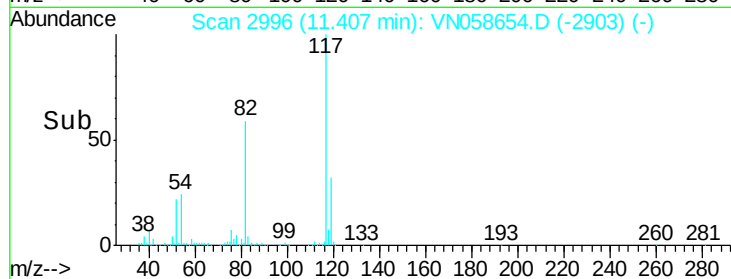
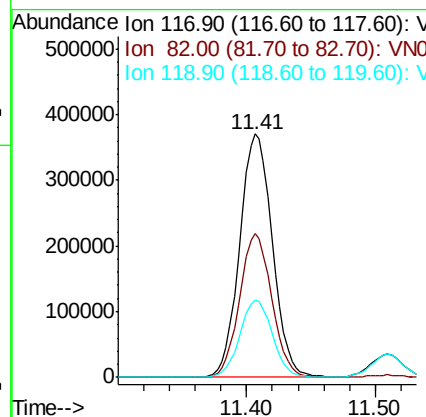
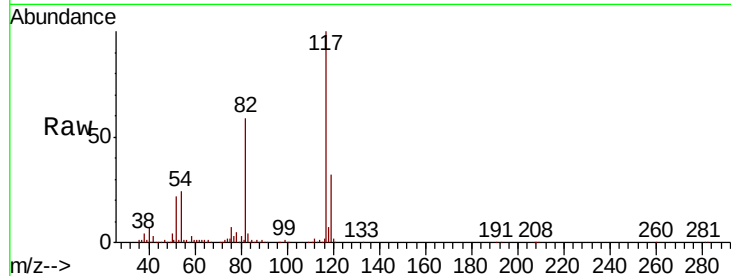
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058654.D
Acq: 9 Oct 2019 20:38

Instrument :
MSVOA_N
ClientSampleId :
VN1010WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.8	47.4	71.0
119	31.6	25.5	38.3

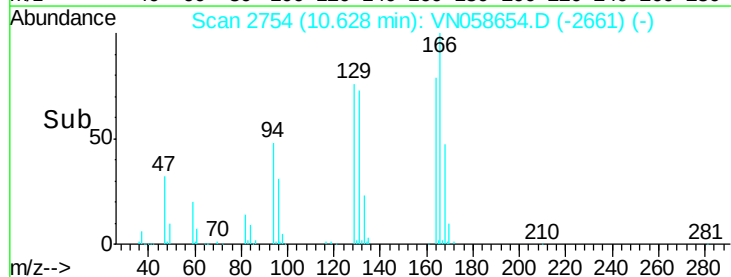
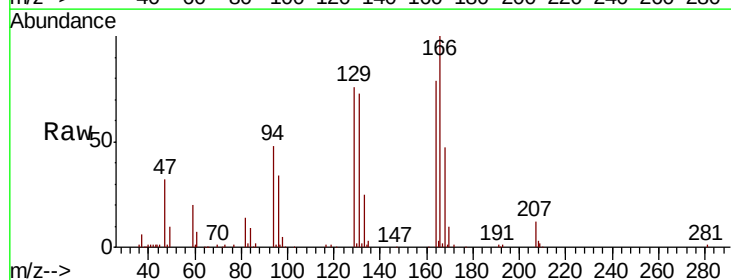
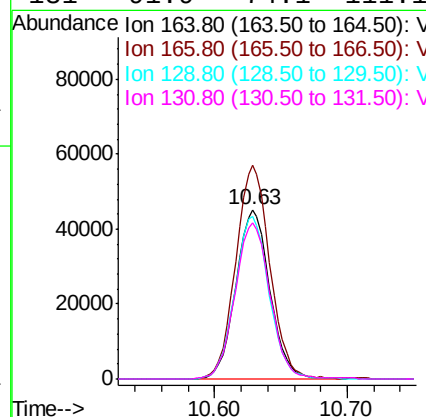
Manual Integrations
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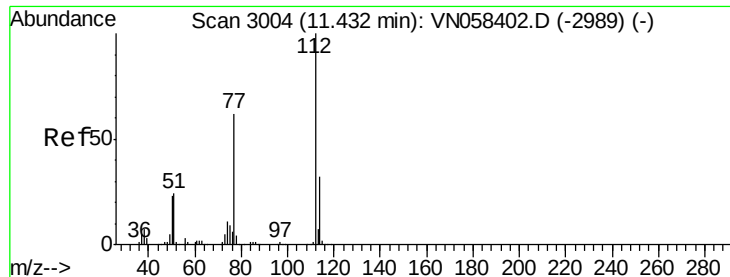
MMDadoda
10/10/2019 3:20:10 PM



#64
Tetrachloroethene
Concen: 19.403 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058654.D
Acq: 9 Oct 2019 20:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.1	101.1	151.7
129	96.2	79.2	118.8
131	91.9	74.1	111.1





#65

Chlorobenzene

Concen: 18.123 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058654.D

Acq: 9 Oct 2019 20:38

Instrument :

MSVOA_N

ClientSampleId :

VN1010WBSD01

Tot Ion:112 Resp: 235275

Ion Ratio Lower Upper

112 100

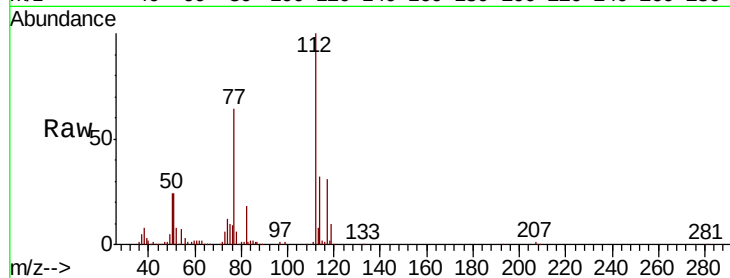
114 32.2 25.4 38.2

Manual Integrations

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

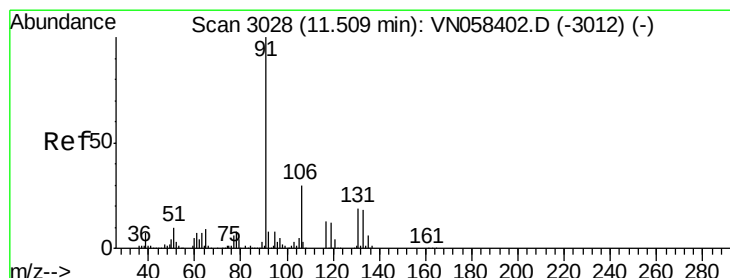
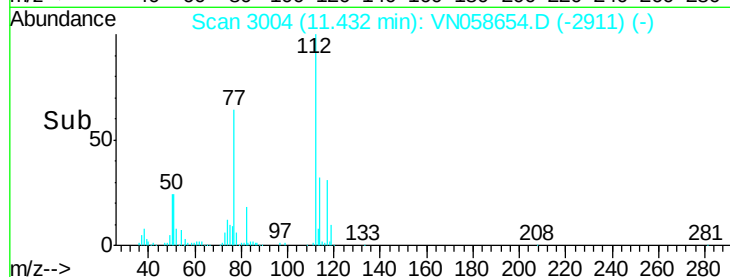
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 21.015 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058654.D

Acq: 9 Oct 2019 20:38

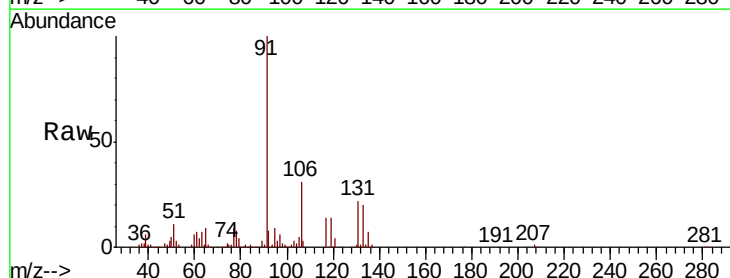
Tgt Ion:131 Resp: 91920

Ion Ratio Lower Upper

131 100

133 93.7 47.8 143.3

119 66.3 33.0 99.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.51

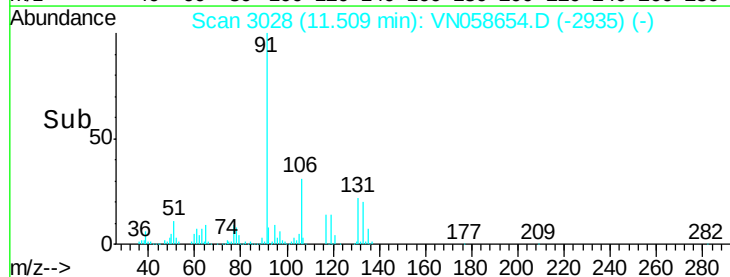
60000

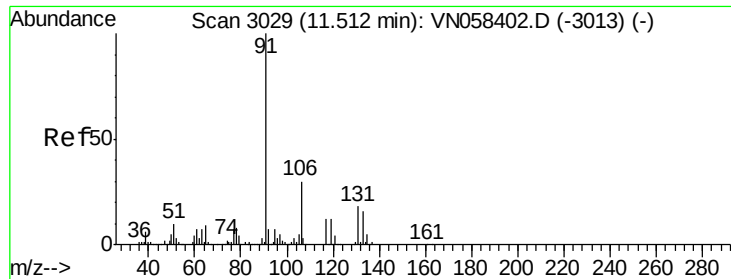
40000

20000

0

Time-->





#67

Ethyl Benzene

Concen: 18.183 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN058654.D

Acq: 9 Oct 2019 20:38

Instrument :

MSVOA_N

ClientSampleId :

VN1010WBSD01

Tot Ion: 91 Resp: 427558

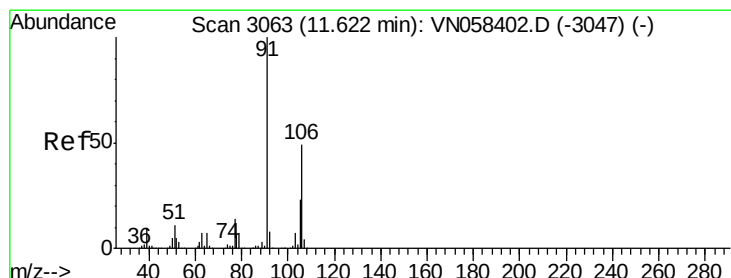
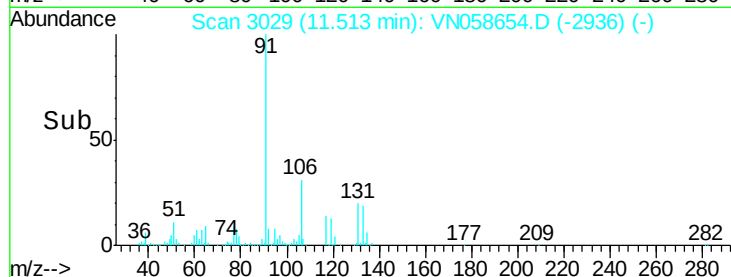
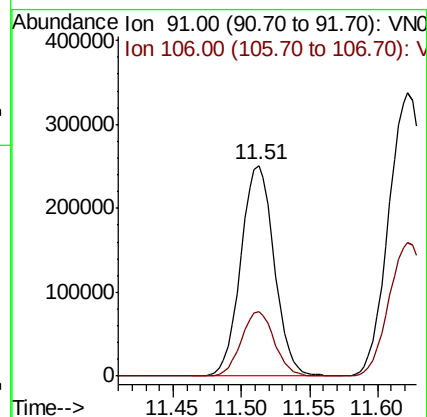
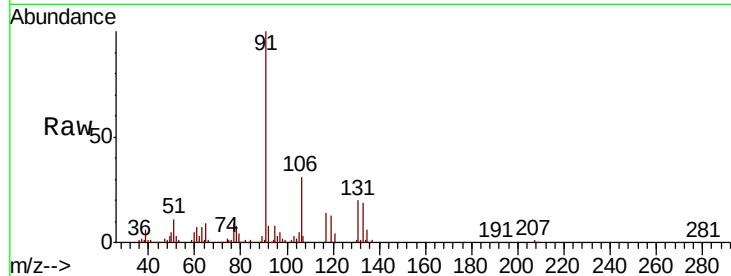
Ion Ratio Lower Upper

91 100

106 30.8 24.3 36.5

Manual Integrations
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#68

m/p-Xylenes

Concen: 34.919 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058654.D

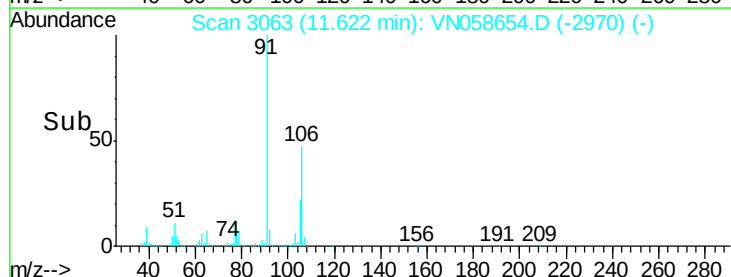
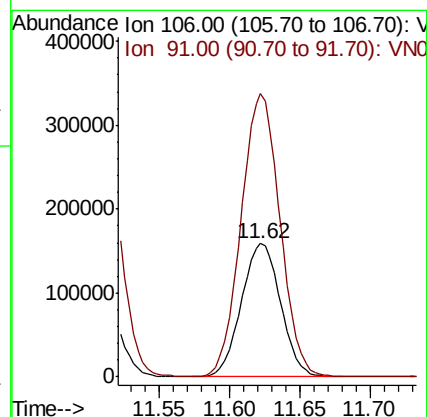
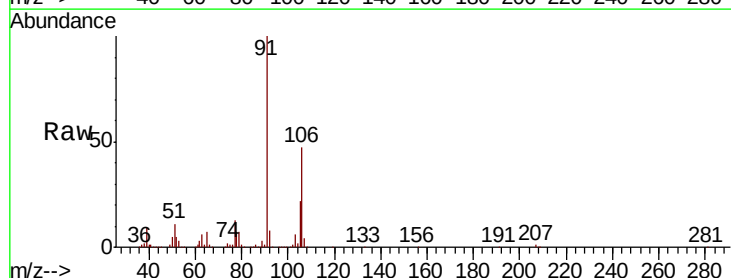
Acq: 9 Oct 2019 20:38

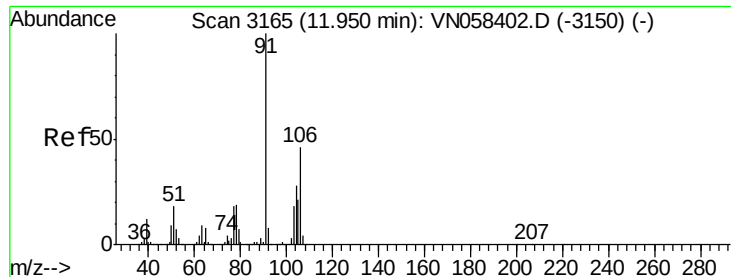
Tgt Ion: 106 Resp: 308927

Ion Ratio Lower Upper

106 100

91 211.0 165.0 247.4





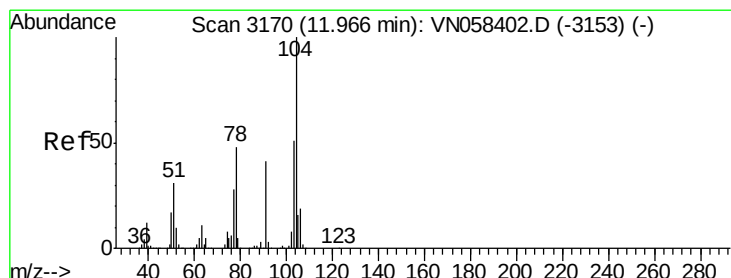
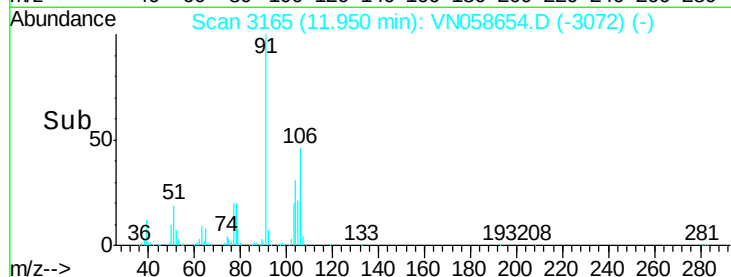
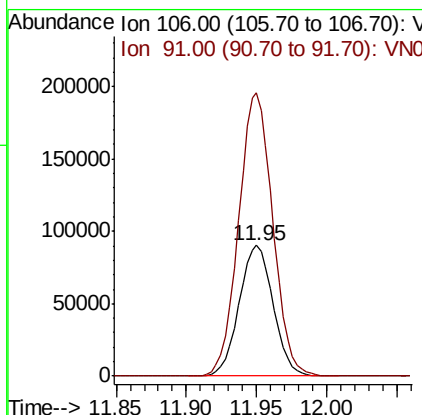
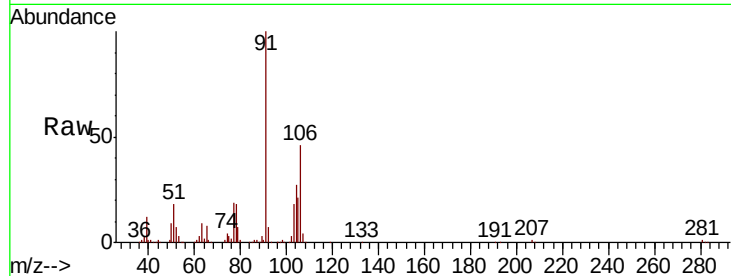
#69
o-Xylene
Concen: 18.000 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058654.D
Acq: 9 Oct 2019 20:38

Instrument :
MSVOA_N
ClientSampleId :
VN1010WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	216.3	109.1	327.4	

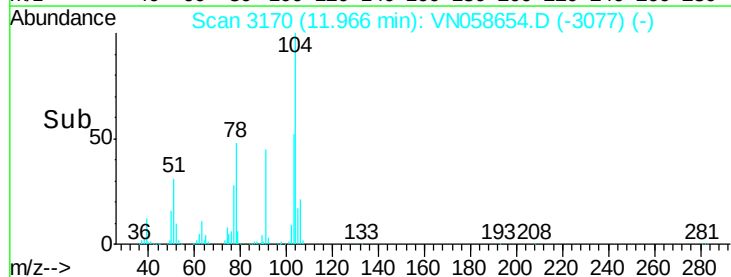
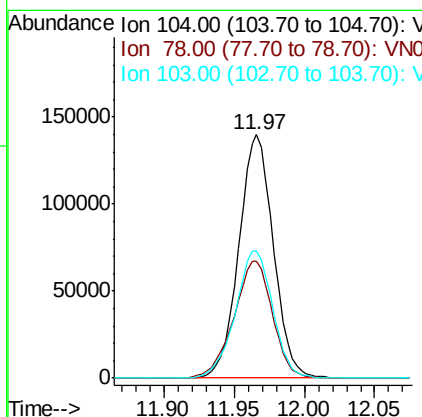
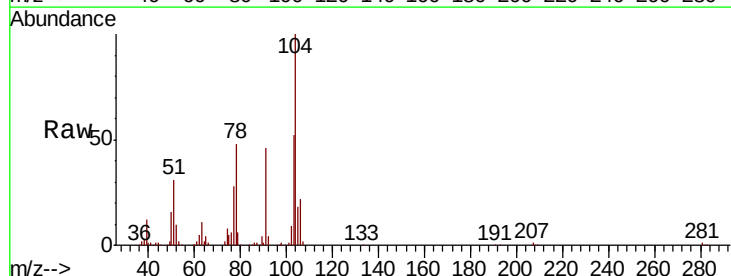
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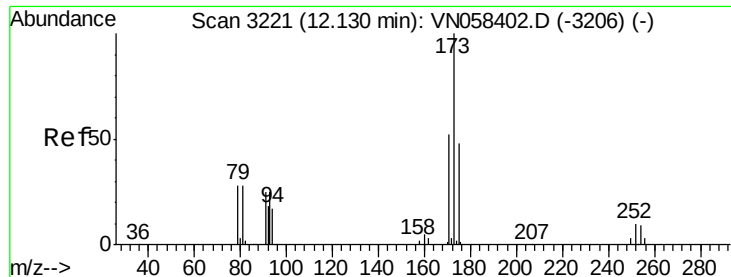
MMDadoda
10/10/2019 3:20:10 PM



#70
Styrene
Concen: 17.342 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058654.D
Acq: 9 Oct 2019 20:38

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	53.8	42.8	64.2	
103	56.9	43.7	65.5	





#71

Bromoform

Concen: 20.856 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058654.D

Acq: 9 Oct 2019 20:38

Instrument :

MSVOA_N

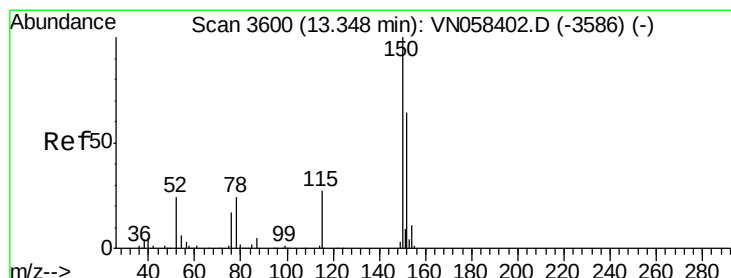
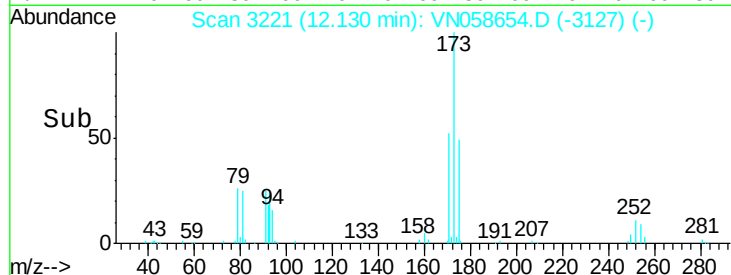
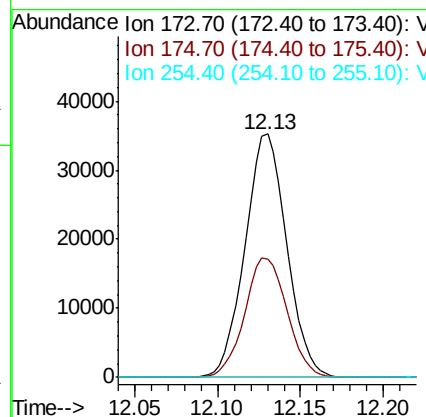
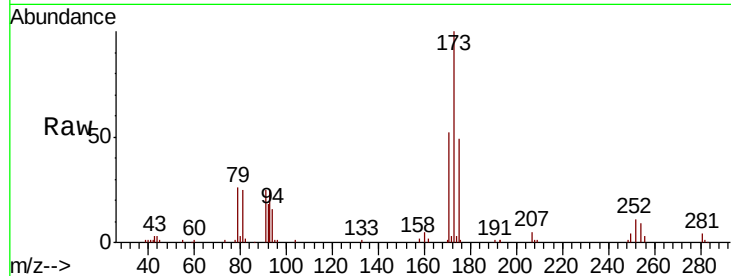
ClientSampleId :

VN1010WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.9	24.3	73.0
254	0.0	0.1	0.1

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

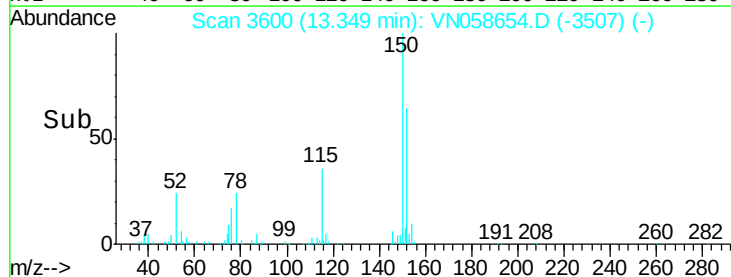
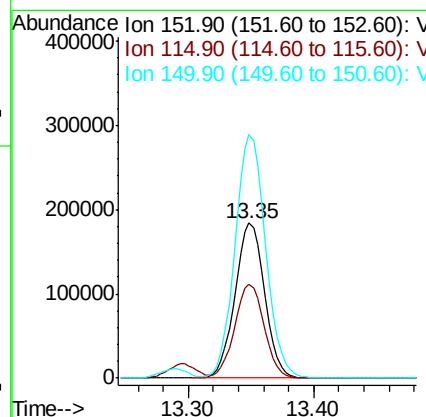
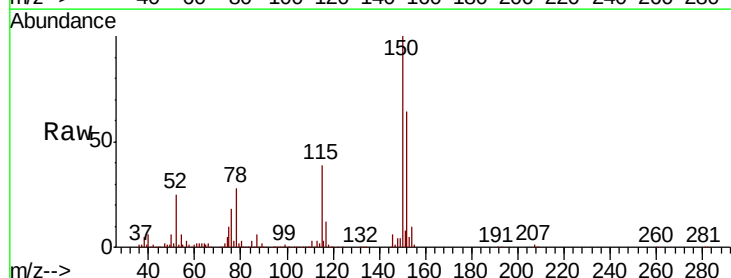
RT: 13.35 min Scan# 3600

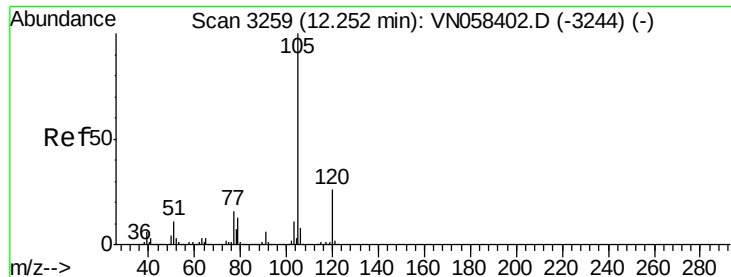
Delta R.T. 0.00 min

Lab File: VN058654.D

Acq: 9 Oct 2019 20:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.1	30.0	90.0
150	162.7	0.0	348.2





#73

Isopropylbenzene

Concen: 18.470 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058654.D

Acq: 9 Oct 2019 20:38

Instrument :

MSVOA_N

ClientSampleId :

VN1010WBSD01

Tot Ion:105 Resp: 410231

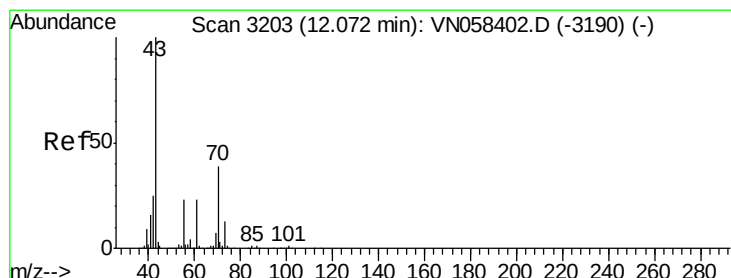
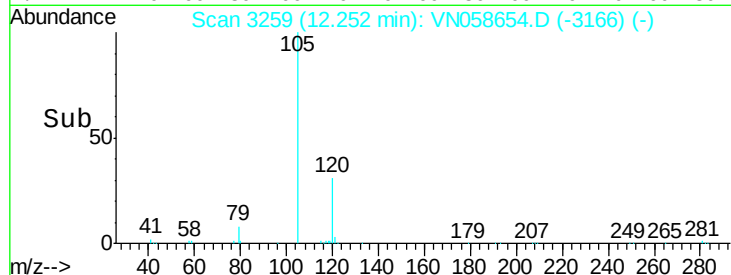
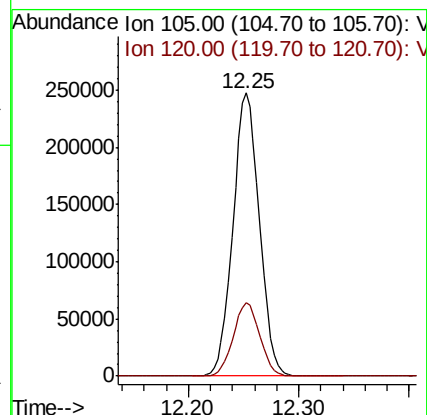
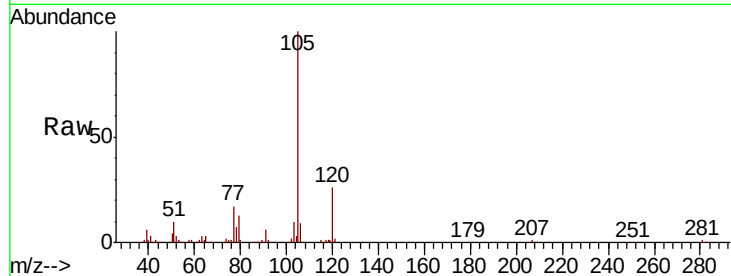
Ion Ratio Lower Upper

105 100

120 26.0 12.8 38.4

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#74

N-ethyl acetate

Concen: 19.124 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058654.D

Acq: 9 Oct 2019 20:38

Tgt Ion: 43 Resp: 168988

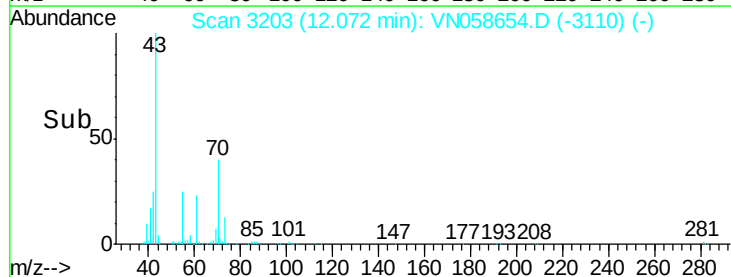
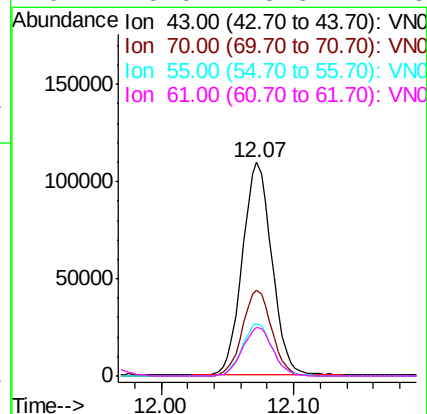
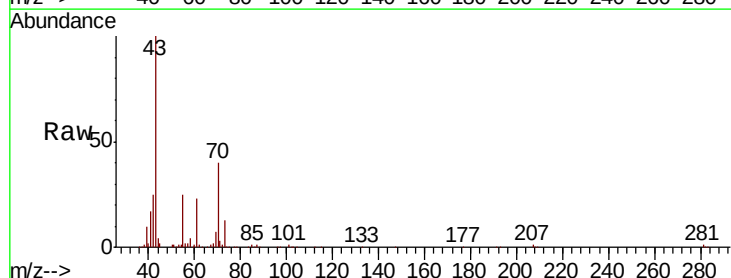
Ion Ratio Lower Upper

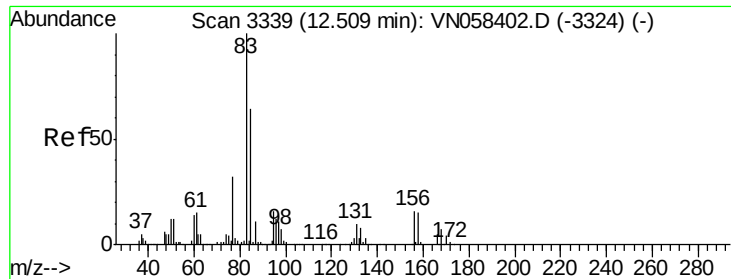
43 100

70 40.1 31.4 47.2

55 25.0 18.2 27.4

61 23.5 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.143 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN058654.D

Acq: 9 Oct 2019 20:38

Instrument :

MSVOA_N

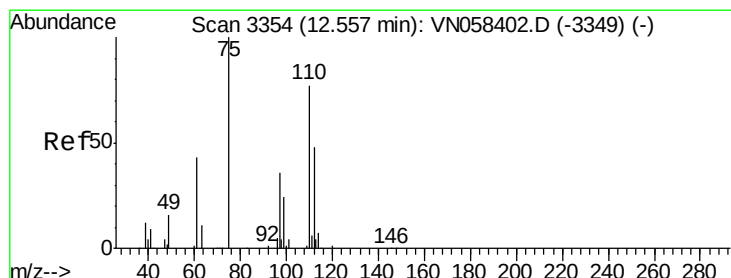
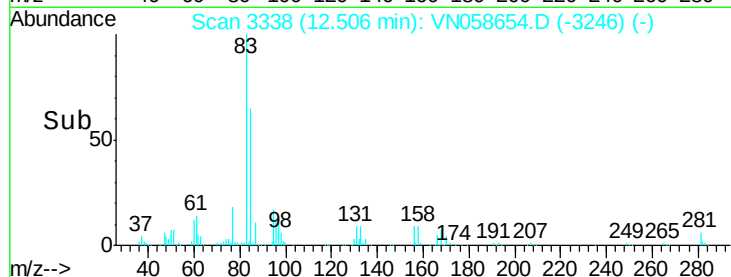
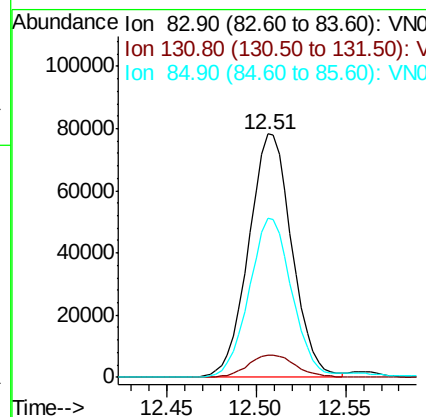
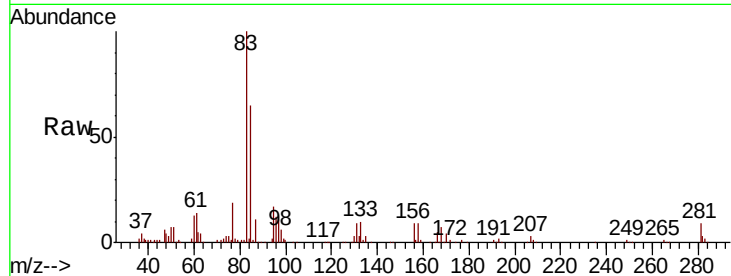
ClientSampleId :

VN1010WBSD01

Tot Ion:	83	Resp:	132295
Ion Ratio	Lower	Upper	
83	100		
131	10.0	4.9	14.7
85	65.0	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.146 ug/l m

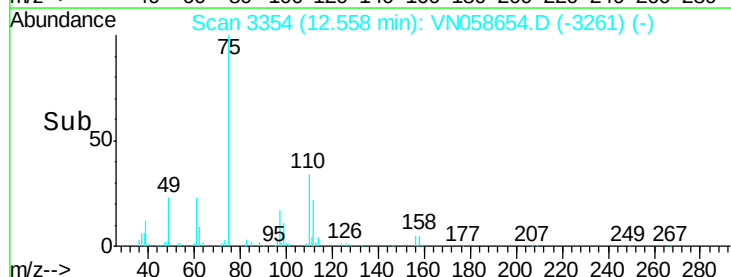
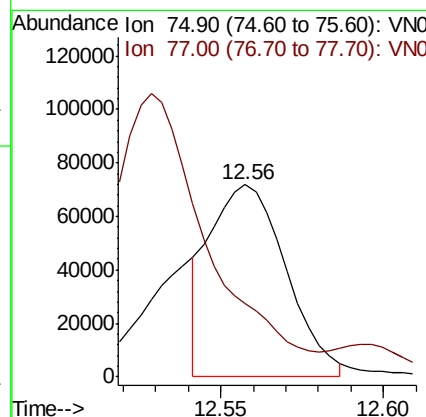
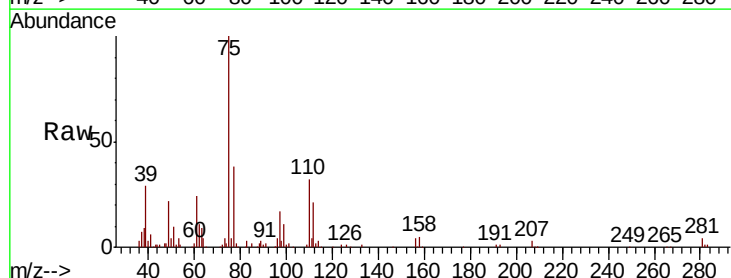
RT: 12.56 min Scan# 3354

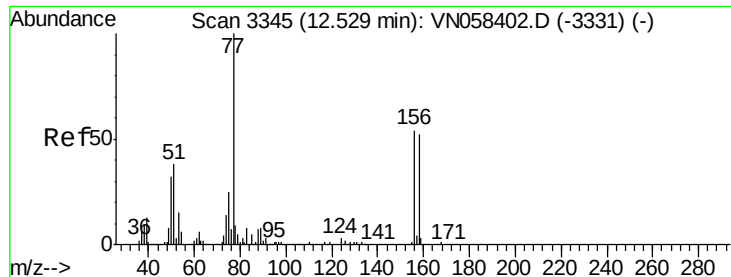
Delta R.T. 0.00 min

Lab File: VN058654.D

Acq: 9 Oct 2019 20:38

Tgt Ion:	75	Resp:	116084
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.265 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058654.D

Acq: 9 Oct 2019 20:38

Instrument :

MSVOA_N

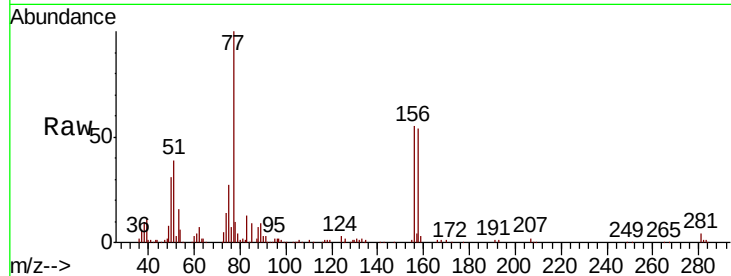
ClientSampleId :

VN1010WBSD01

Tot Ion:	156	Resp:	100335
Ion Ratio	Lower	Upper	
156	100		
77	219.6	110.0	330.0
158	95.6	47.9	143.8

Manual Integrations
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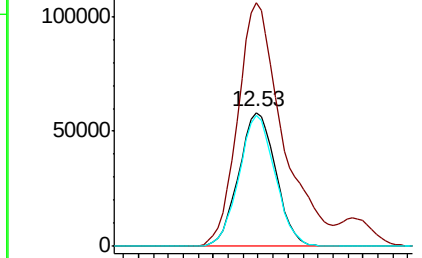
MMDadoda
10/10/2019 3:20:10 PM



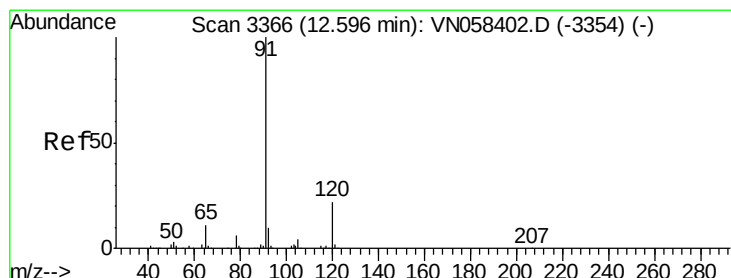
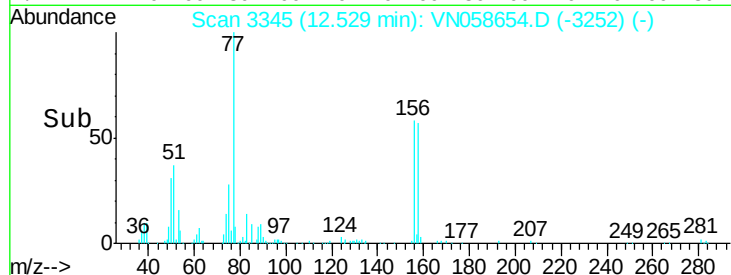
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 19.008 ug/l

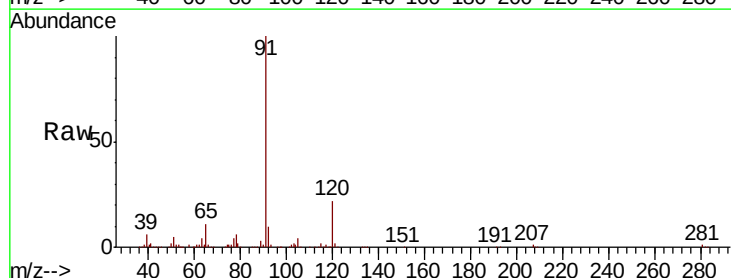
RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058654.D

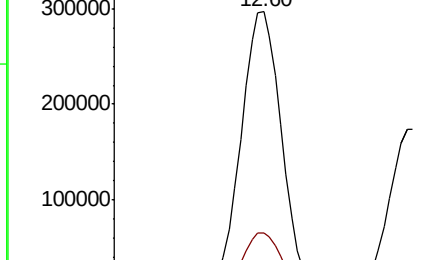
Acq: 9 Oct 2019 20:38

Tgt Ion:	91	Resp:	475642
Ion Ratio	Lower	Upper	
91	100		
120	22.2	10.9	32.9

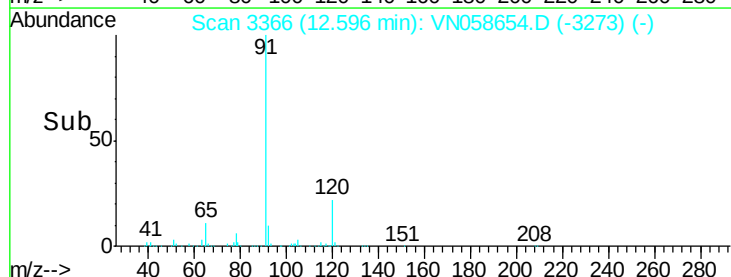


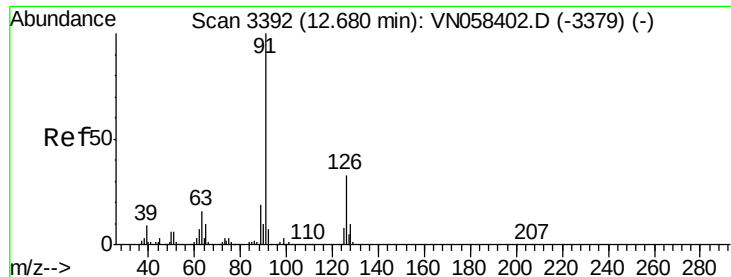
Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



Time-->





#79

2-Chlorotoluene

Concen: 18.314 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN058654.D

Acq: 9 Oct 2019 20:38

Instrument :

MSVOA_N

ClientSampleId :

VN1010WBSD01

Tot Ion: 91 Resp: 282868

Ion Ratio Lower Upper

91 100

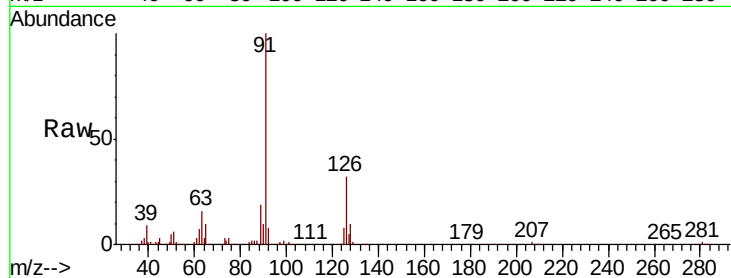
126 33.0 16.2 48.6

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN058402.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN058402.D (-3379) (-)

300000

250000

200000

150000

100000

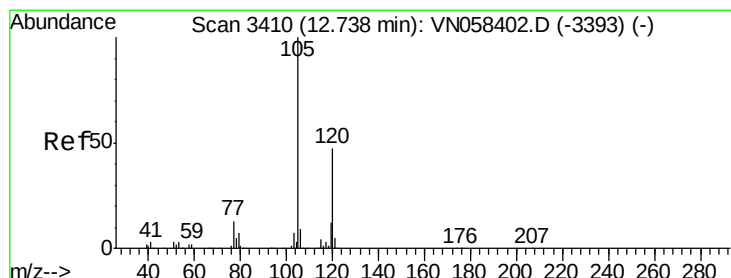
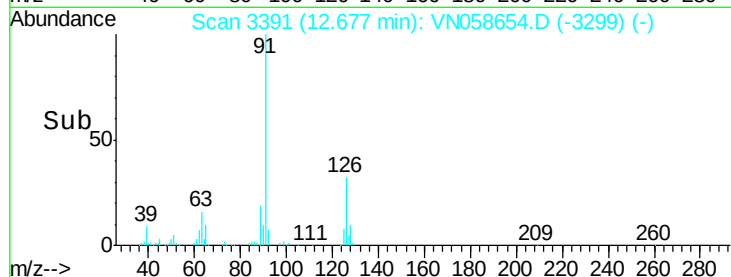
50000

0

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 18.628 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058654.D

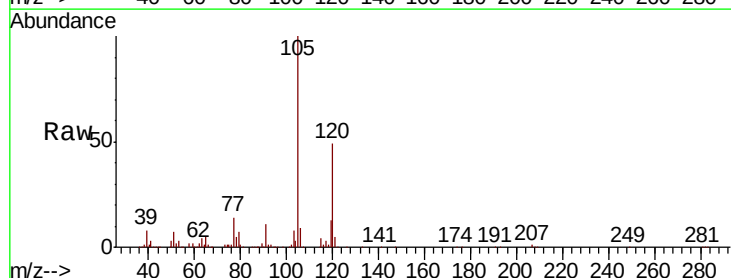
Acq: 9 Oct 2019 20:38

Tgt Ion:105 Resp: 346352

Ion Ratio Lower Upper

105 100

120 48.5 23.5 70.6



Abundance Ion 105.00 (104.70 to 105.70): VN058402.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN058402.D (-3393) (-)

250000

200000

150000

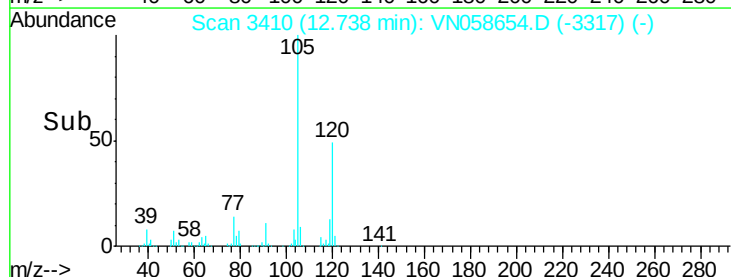
100000

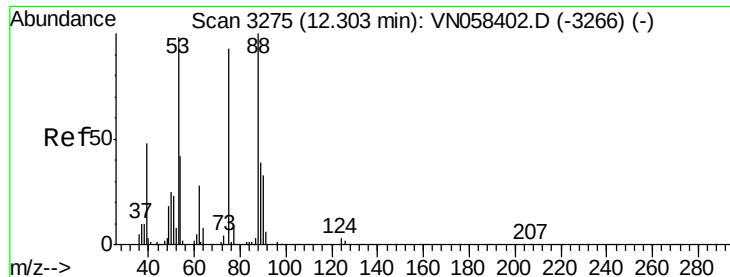
50000

0

12.74

Time-->





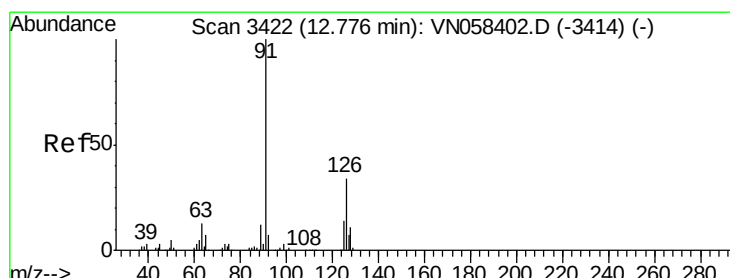
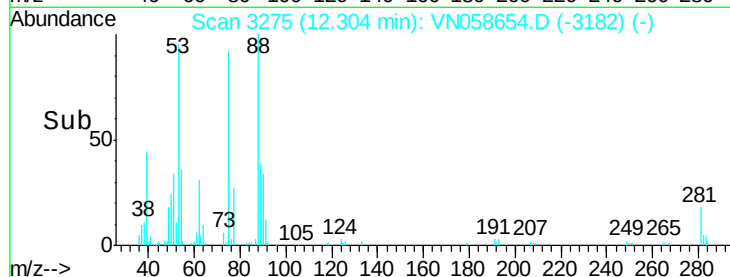
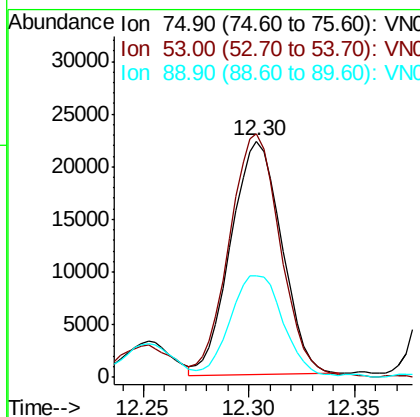
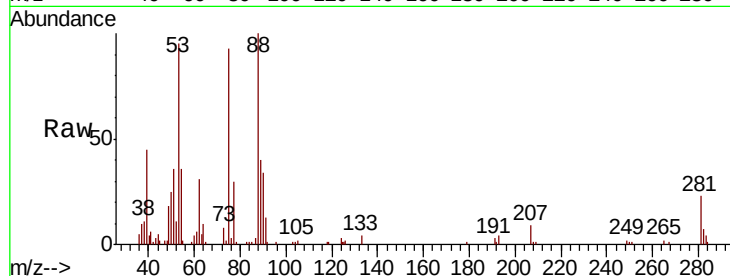
#81
trans-1,4-Dichloro-2-butene
Concen: 20.554 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058654.D
Acq: 9 Oct 2019 20:38

Instrument :
MSVOA_N
ClientSampleId :
VN1010WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	105.6	85.4	128.0
89	44.2	35.0	52.4

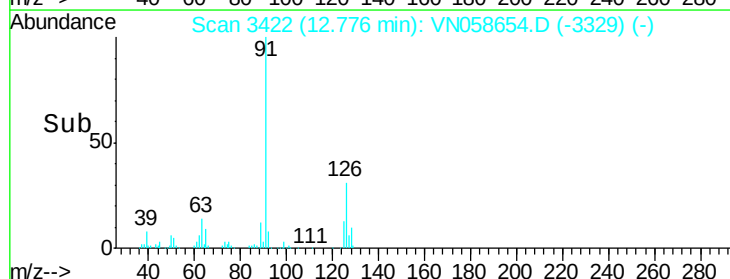
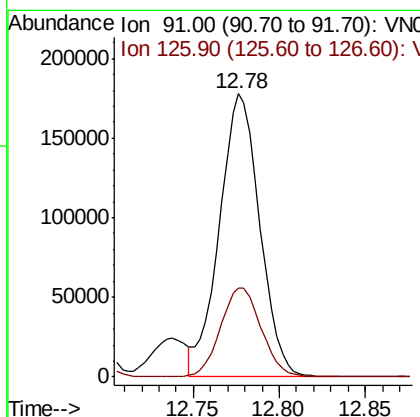
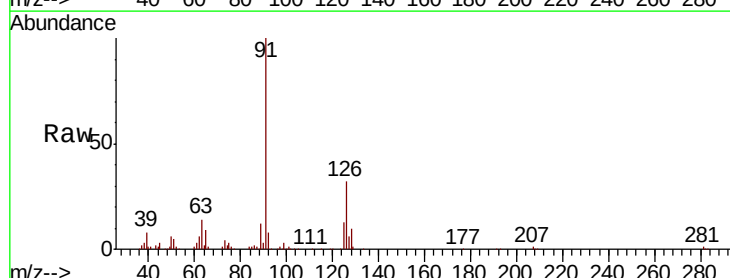
Manual Integrations
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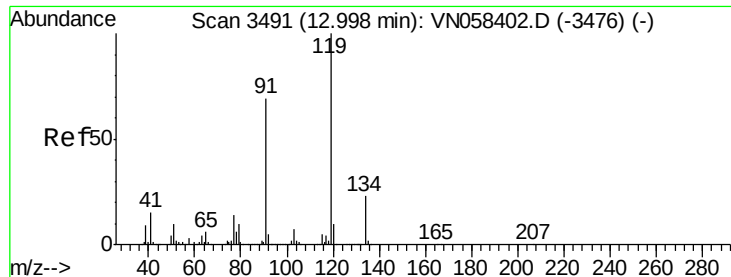
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#82
4-Chlorotoluene
Concen: 18.419 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058654.D
Acq: 9 Oct 2019 20:38

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.9	15.9	47.7





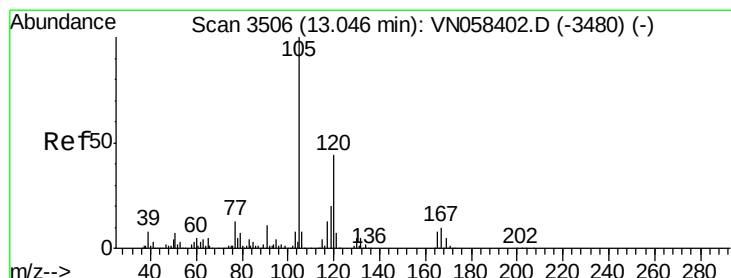
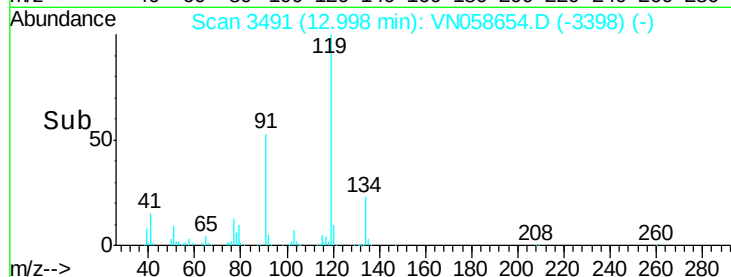
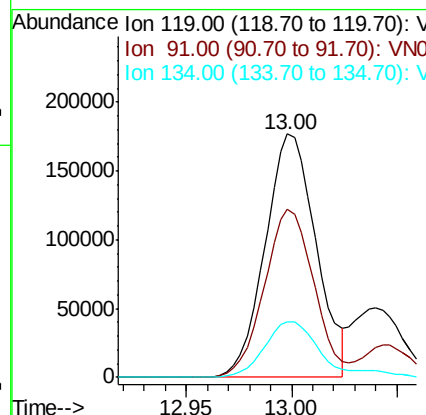
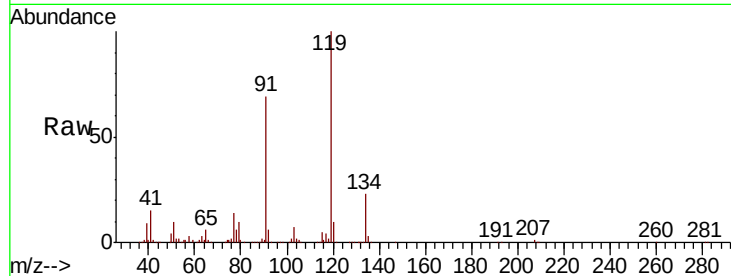
#83
 tert-Butylbenzene
 Concen: 18.925 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058654.D
 Acq: 9 Oct 2019 20:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1010WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.4	34.2	102.6
134	23.8	11.6	34.8

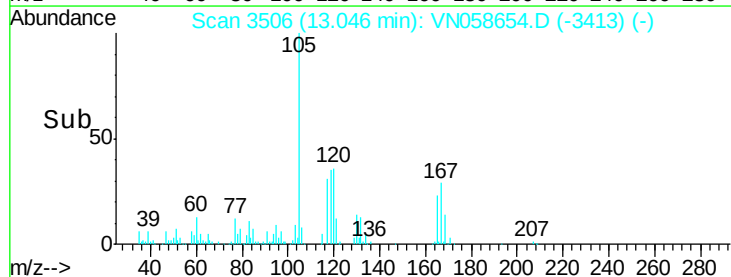
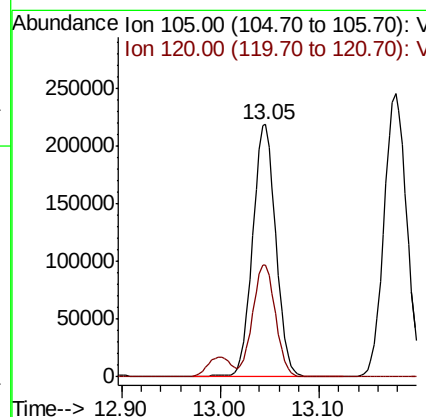
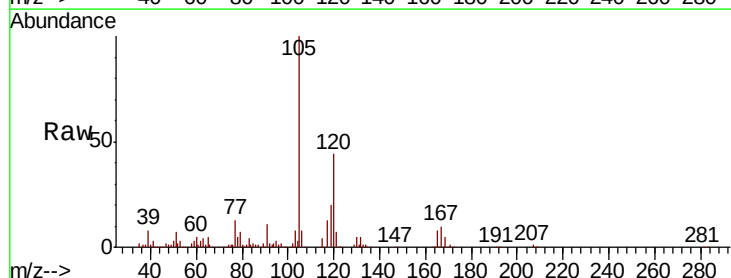
Manual Integrations
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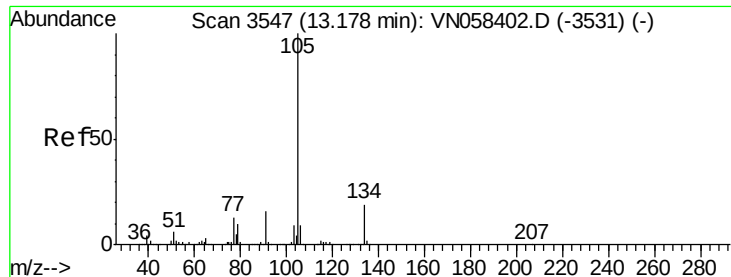
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#84
 1,2,4-Trimethylbenzene
 Concen: 18.959 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058654.D
 Acq: 9 Oct 2019 20:38

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.9	21.7	65.1





#85

sec-Butylbenzene

Concen: 19.009 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058654.D

Acq: 9 Oct 2019 20:38

Instrument :

MSVOA_N

ClientSampleId :

VN1010WBSD01

Tot Ion:105 Resp: 392535

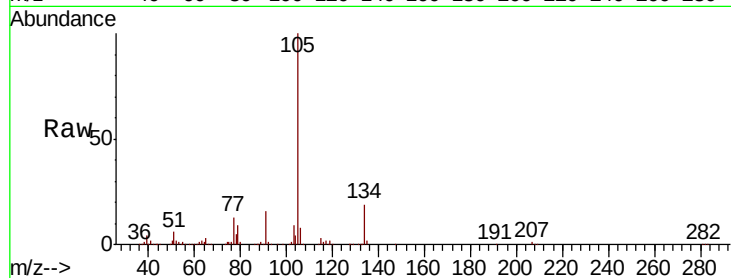
Ion Ratio Lower Upper

105 100

134 19.0 9.4 28.2

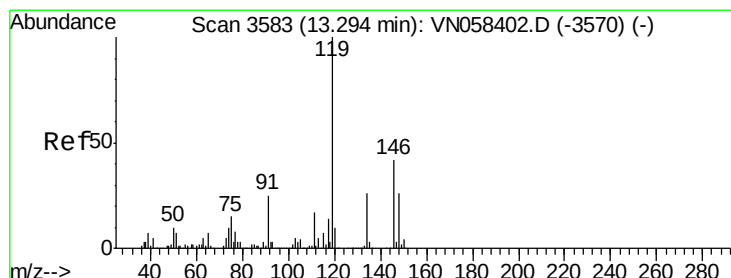
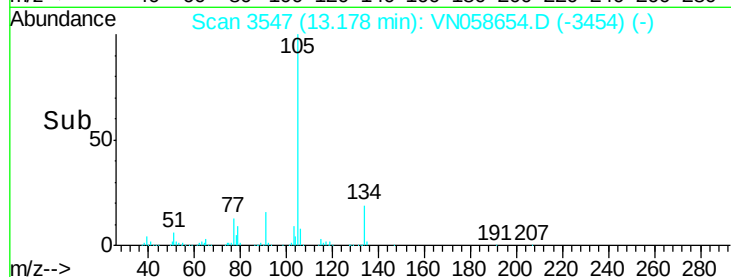
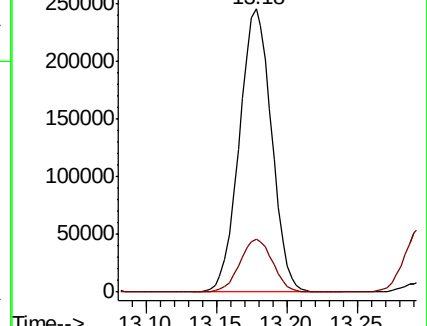
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.082 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058654.D

Acq: 9 Oct 2019 20:38

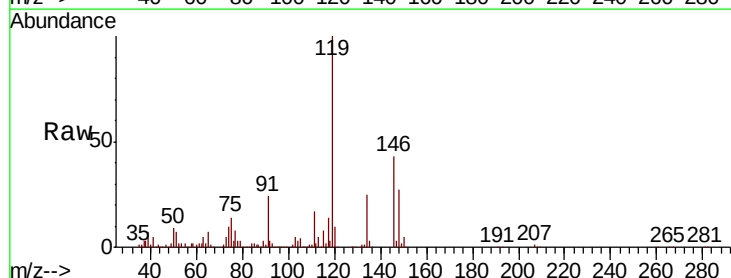
Tgt Ion:119 Resp: 346854

Ion Ratio Lower Upper

119 100

134 25.5 13.0 39.0

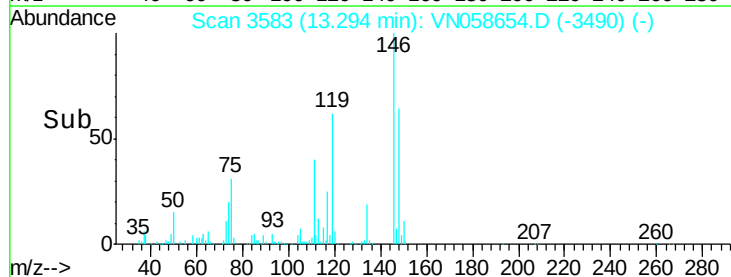
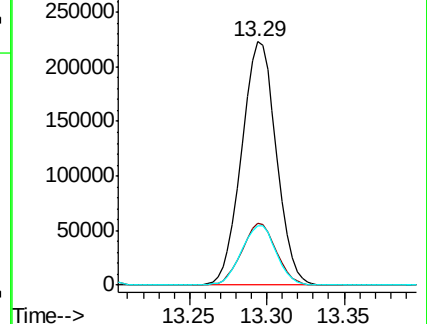
91 24.6 12.4 37.0

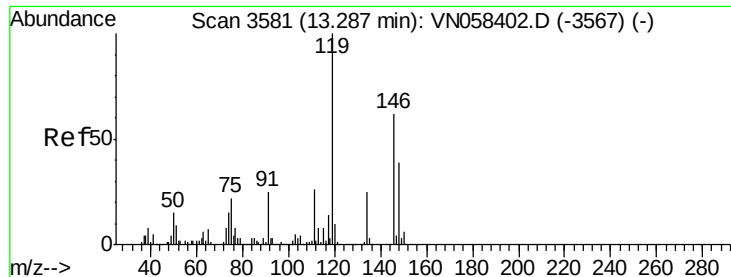


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





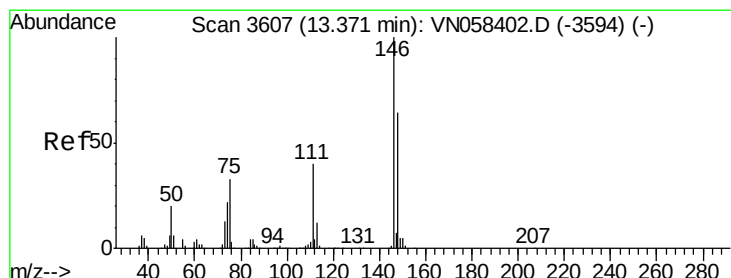
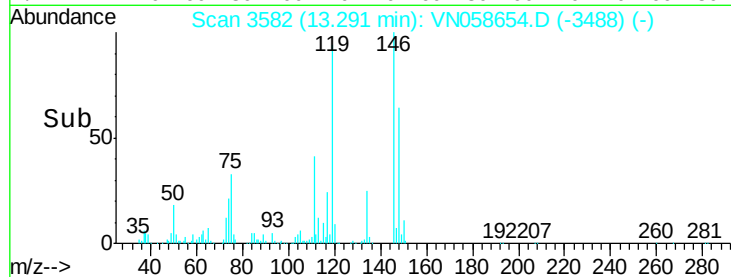
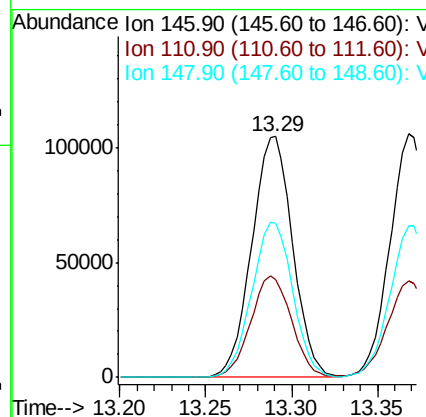
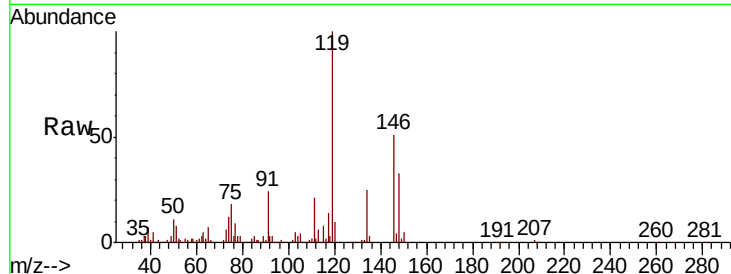
#87
 1,3-Dichlorobenzene
 Concen: 18.311 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN058654.D
 Acq: 9 Oct 2019 20:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1010WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.8	62.4
148	64.4	31.4	94.3

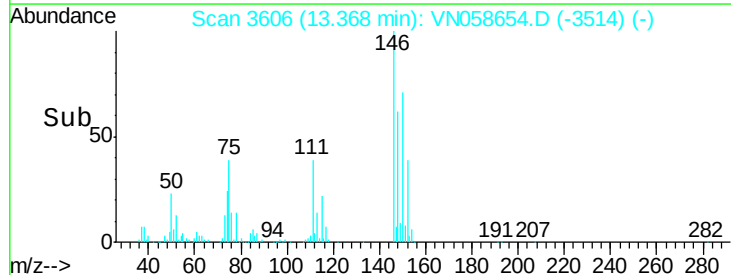
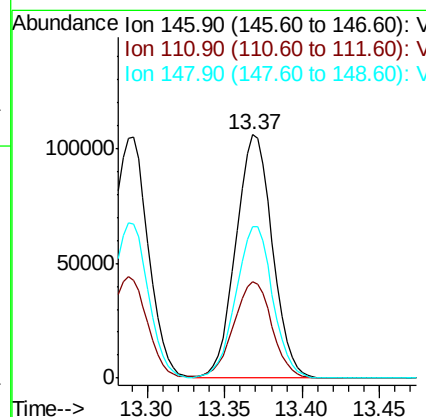
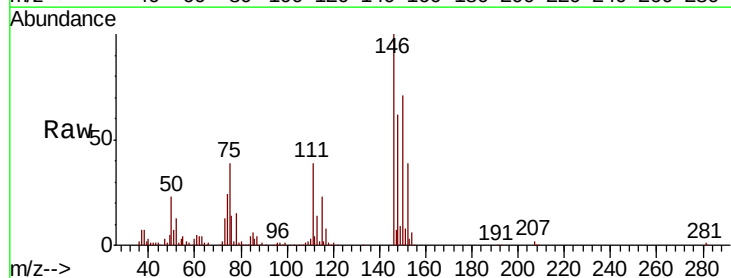
Manual Integrations
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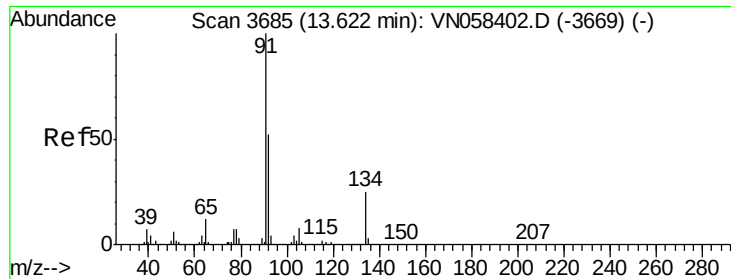
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#88
 1,4-Dichlorobenzene
 Concen: 18.457 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN058654.D
 Acq: 9 Oct 2019 20:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.5	61.6
148	63.2	31.5	94.5





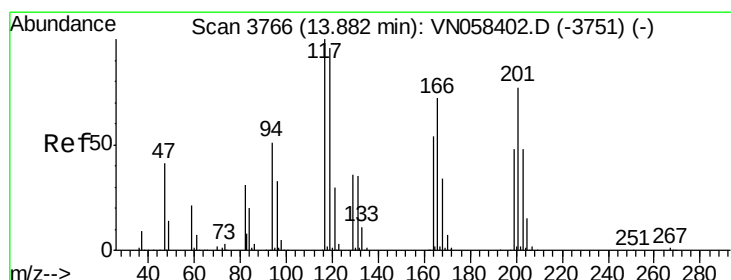
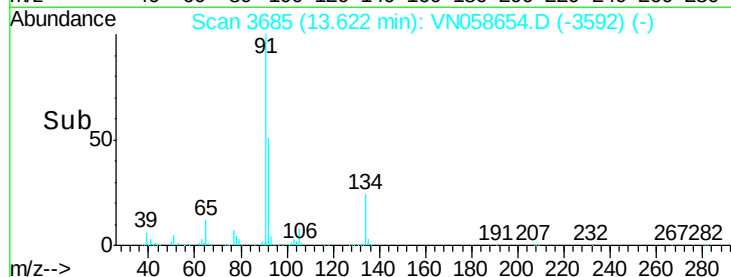
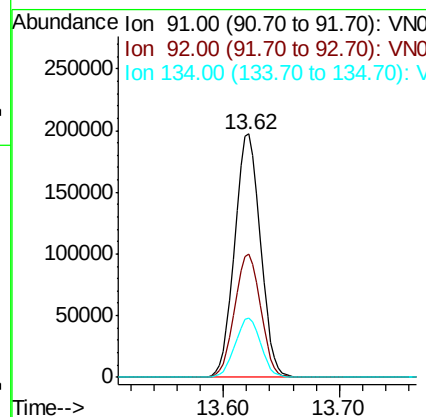
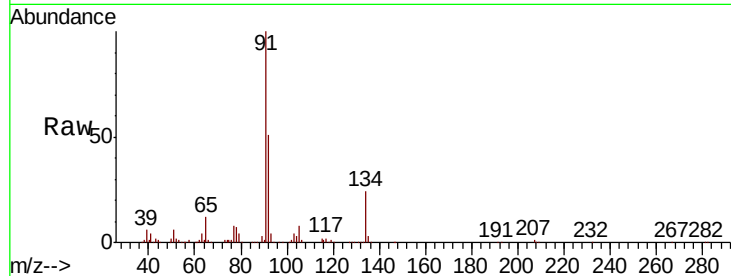
#89
n-Butylbenzene
Concen: 18.344 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058654.D
Acq: 9 Oct 2019 20:38

Instrument :
MSVOA_N
ClientSampleId :
VN1010WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.0	25.7	77.1
134	24.3	12.2	36.6

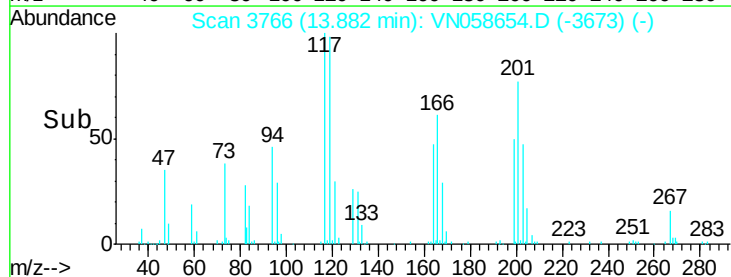
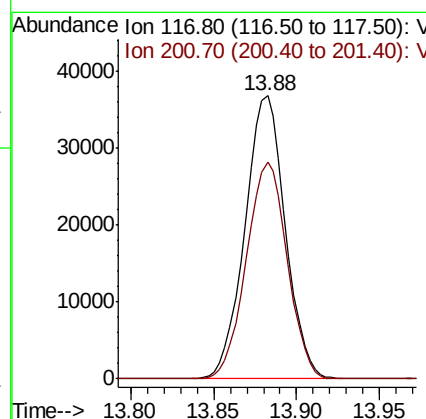
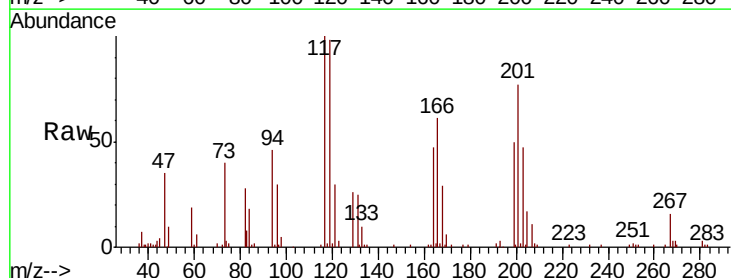
Manual Integrations
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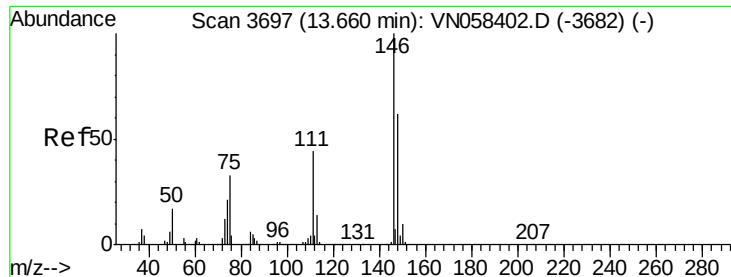
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#90
Hexachloroethane
Concen: 22.794 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058654.D
Acq: 9 Oct 2019 20:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.4	38.6	116.0





#91

1,2-Dichlorobenzene

Concen: 19.085 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN058654.D

Acq: 9 Oct 2019 20:38

Instrument :

MSVOA_N

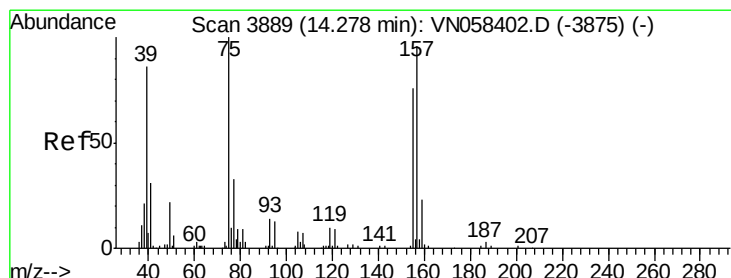
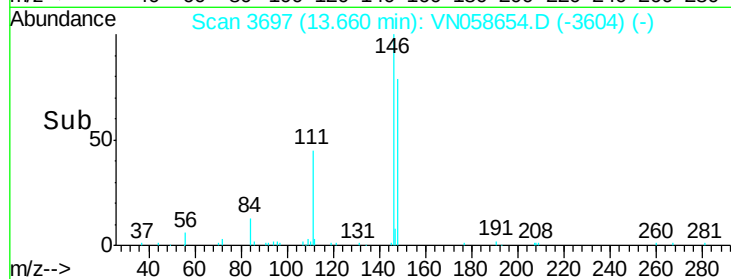
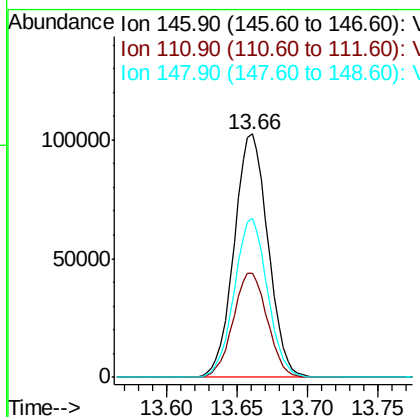
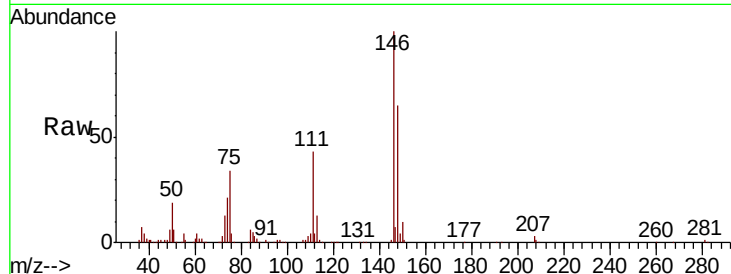
ClientSampleId :

VN1010WBSD01

Tot Ion:	146	Resp:	173176
Ion Ratio	Lower	Upper	
146	100		
111	43.0	21.8	65.3
148	63.7	31.5	94.5

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 22.280 ug/l

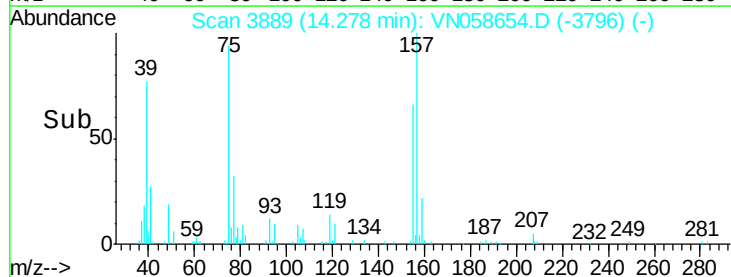
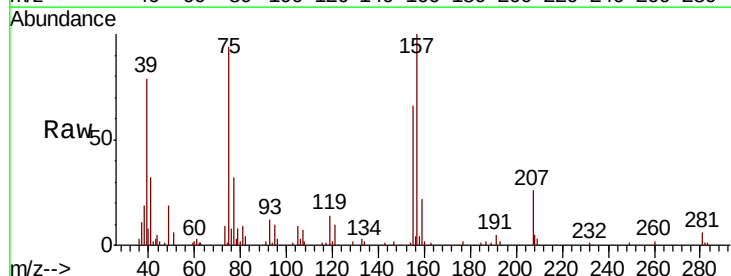
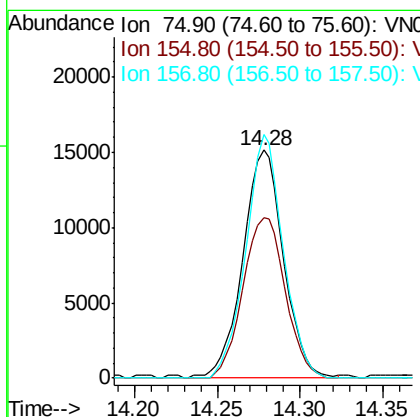
RT: 14.28 min Scan# 3889

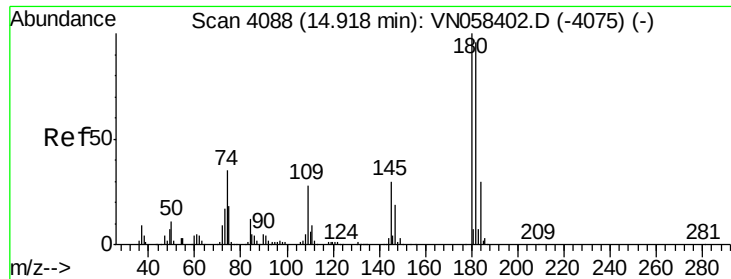
Delta R.T. 0.00 min

Lab File: VN058654.D

Acq: 9 Oct 2019 20:38

Tgt Ion:	75	Resp:	25805
Ion Ratio	Lower	Upper	
75	100		
155	73.0	39.2	117.6
157	98.0	48.7	146.1





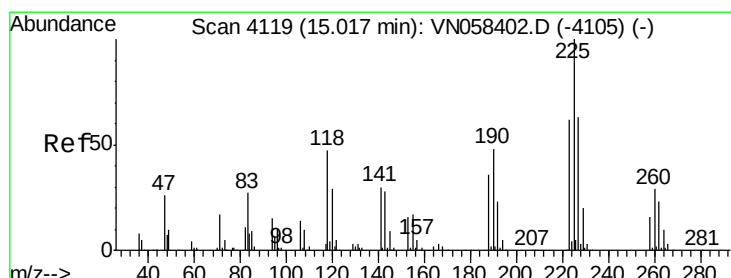
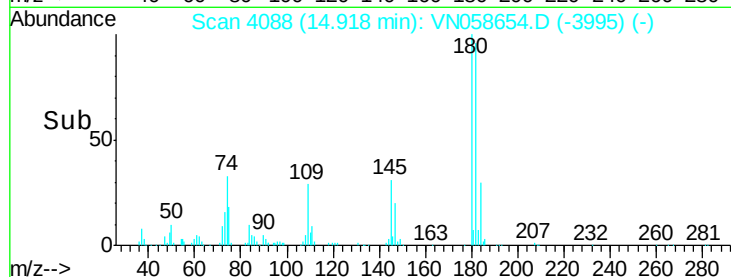
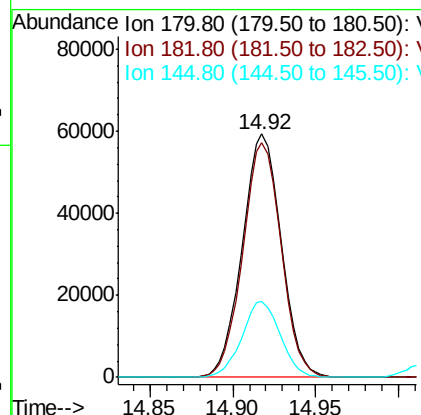
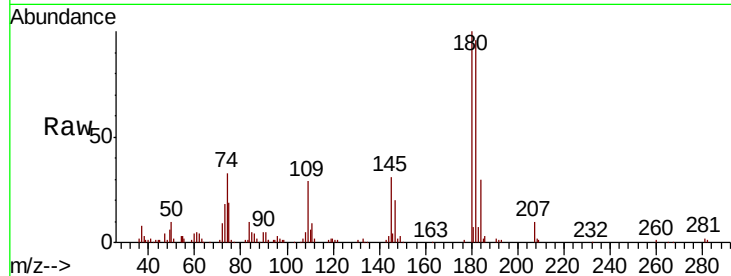
#93
 1,2,4-Trichlorobenzene
 Concen: 19.359 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058654.D
 Acq: 9 Oct 2019 20:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1010WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.4	142.3
145	30.8	15.3	45.9

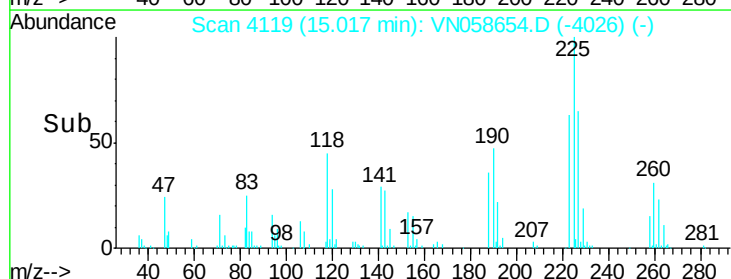
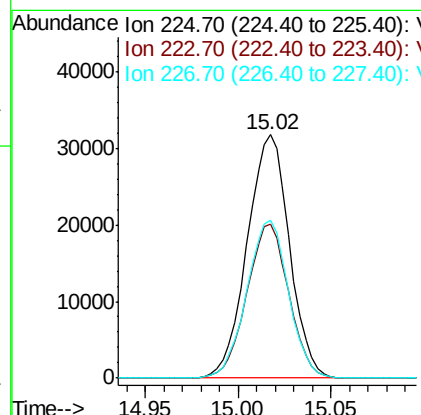
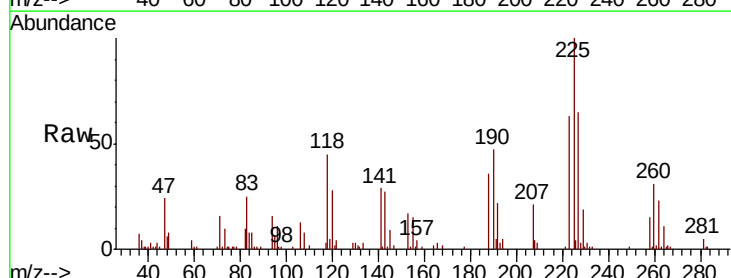
Manual Integrations
 APPROVED

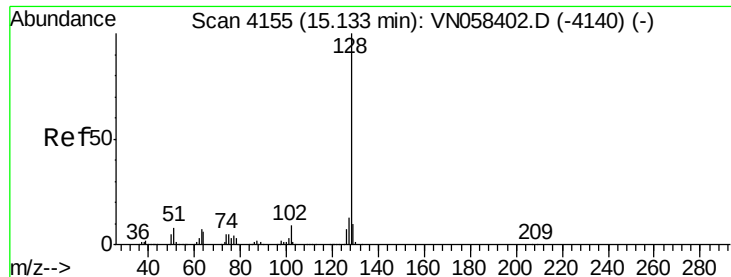
MMDadoda
 10/10/2019 3:20:10 PM



#94
 Hexachlorobutadiene
 Concen: 19.537 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058654.D
 Acq: 9 Oct 2019 20:38

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.1	93.5
227	64.0	31.4	94.2





#95

Naphthalene

Concen: 18.672 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058654.D

Acq: 9 Oct 2019 20:38

Instrument :

MSVOA_N

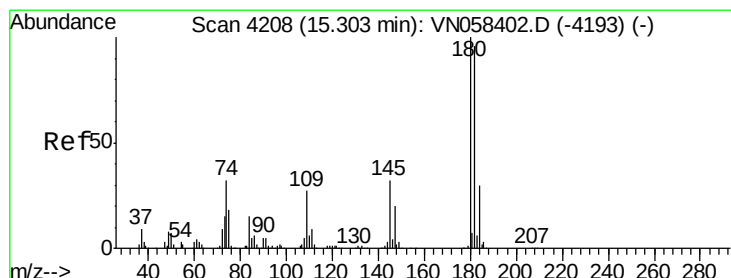
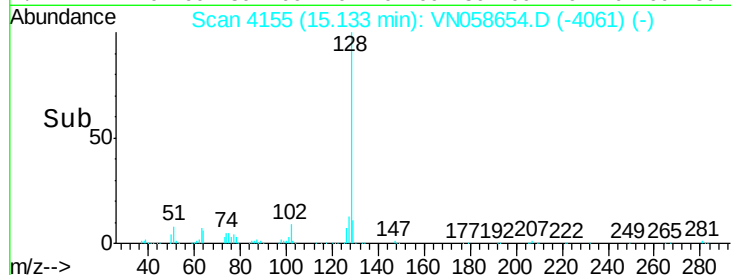
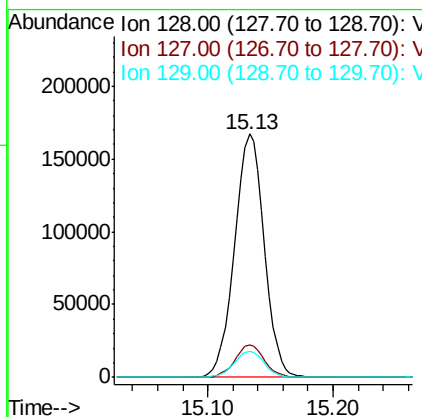
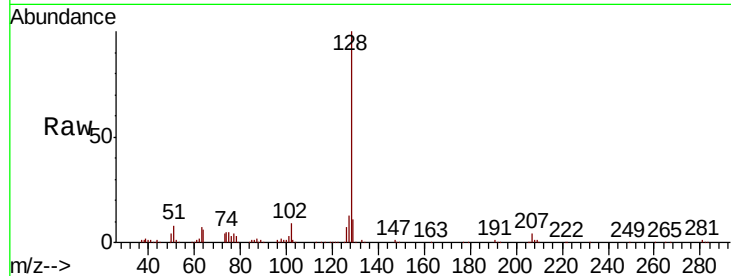
ClientSampleId :

VN1010WBSD01

Tot Ion:	128	Resp:	274451
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.2	15.4
129	10.8	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
10/10/2019 3:20:10 PM



#96

1,2,3-Trichlorobenzene

Concen: 18.861 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. -0.00 min

Lab File: VN058654.D

Acq: 9 Oct 2019 20:38

Tgt Ion:	180	Resp:	94892
Ion Ratio	Lower	Upper	
180	100		
182	94.9	48.3	144.9
145	32.3	16.1	48.3

