

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN110419\
 Data File : VN059076.D
 Acq On : 4 Nov 2019 11:12
 Operator : JC/SP
 Sample : VN1104WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/5/2019 2:00:02 PM

Quant Time: Nov 05 02:41:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 05:43:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	356317	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	559877	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	504277	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	225434	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	165173	35.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.00%	
35) Dibromofluoromethane	7.57	113	122568	33.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	67.86%	
50) Toluene-d8	10.08	98	479764	34.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	68.24%	
62) 4-Bromofluorobenzene	12.40	95	167652	33.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	66.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	61199	15.886	ug/l	98
3) Chloromethane	2.04	50	82473	15.788	ug/l	97
4) Vinyl Chloride	2.17	62	83580	16.483	ug/l	99
5) Bromomethane	2.55	94	47504	15.846	ug/l	99
6) Chloroethane	2.69	64	49360	15.895	ug/l	98
7) Trichlorofluoromethane	3.00	101	97711	16.217	ug/l	98
8) Diethyl Ether	3.39	74	38089	16.187	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	58964	16.603	ug/l	99
10) Methyl Iodide	3.93	142	64228	14.879	ug/l	98
11) Tert butyl alcohol	4.74	59	62906	72.026	ug/l	100
12) 1,1-Dichloroethene	3.71	96	54331	15.383	ug/l	95
13) Acrolein	3.58	56	24768	44.943	ug/l	99
14) Allyl chloride	4.29	41	111414	15.919	ug/l	98
15) Acrylonitrile	4.95	53	169759	77.484	ug/l	98
16) Acetone	3.79	43	194912	81.586	ug/l	100
17) Carbon Disulfide	4.03	76	175487	15.628	ug/l	99
18) Methyl Acetate	4.29	43	86622	14.312	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	187311	15.571	ug/l	98
20) Methylene Chloride	4.52	84	67005	16.021	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	60295	15.902	ug/l	99
22) Diisopropyl ether	5.92	45	214713	16.107	ug/l	93
23) Vinyl Acetate	5.86	43	860712	81.064	ug/l	100
24) 1,1-Dichloroethane	5.82	63	124238	16.301	ug/l	98
25) 2-Butanone	6.81	43	240078	75.470	ug/l	98
26) 2,2-Dichloropropane	6.79	77	103372	15.626	ug/l	98
27) cis-1,2-Dichloroethene	6.80	96	68861	16.129	ug/l	99
28) Bromochloromethane	7.16	49	19825	8.428	ug/l #	17
29) Tetrahydrofuran	7.18	42	151981	75.702	ug/l	98
30) Chloroform	7.35	83	117118	16.070	ug/l	99
31) Cyclohexane	7.63	56	109798	15.104	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	98041	15.900	ug/l	97
36) 1,1-Dichloropropene	7.77	75	86890	15.615	ug/l	100
37) Ethyl Acetate	6.90	43	94379	15.265	ug/l	98
38) Carbon Tetrachloride	7.75	117	85069	15.687	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	100026	15.552	ug/l	98
40) Benzene	8.02	78	265638	16.086	ug/l	99
41) Methacrylonitrile	7.16	41	46096m	17.242	ug/l	
42) 1,2-Dichloroethane	8.10	62	93830	16.361	ug/l	99
43) Isopropyl Acetate	8.14	43	144545	14.950	ug/l	99
44) Trichloroethene	8.82	130	63411	15.607	ug/l	97
45) 1,2-Dichloropropane	9.10	63	72090	16.142	ug/l	98
46) Dibromomethane	9.19	93	43969	15.929	ug/l	99
47) Bromodichloromethane	9.39	83	88211	15.780	ug/l	100
48) Methyl methacrylate	9.18	41	65328	14.819	ug/l	96
49) 1,4-Dioxane	9.18	88	23342	324.586	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	446953	79.576	ug/l	97
52) Toluene	10.15	92	158308	16.361	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	99388	15.376	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	109236	16.022	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	62189	15.777	ug/l	98
56) Ethyl methacrylate	10.42	69	88349	14.573	ug/l	99
57) 1,3-Dichloropropane	10.70	76	108974	15.897	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	161766	70.933	ug/l	100
59) 2-Hexanone	10.74	43	328531	76.994	ug/l	98
60) Dibromochloromethane	10.90	129	64727	15.237	ug/l	99
61) 1,2-Dibromoethane	11.00	107	63541	15.913	ug/l	99
64) Tetrachloroethene	10.63	164	57716	16.384	ug/l	98
65) Chlorobenzene	11.43	112	167045	16.140	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	62852	16.506	ug/l	98
67) Ethyl Benzene	11.51	91	286705	16.002	ug/l	100
68) m/p-Xylenes	11.62	106	213953	31.980	ug/l	98
69) o-Xylene	11.95	106	99864	15.632	ug/l	97
70) Styrene	11.96	104	157643	15.227	ug/l	98
71) Bromoform	12.13	173	44962	15.255	ug/l #	99
73) Isopropylbenzene	12.25	105	274547	16.554	ug/l	100
74) N-amyl acetate	12.07	43	105515	14.302	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	91167	15.432	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	85316m	15.993	ug/l	
77) Bromobenzene	12.53	156	66913	16.136	ug/l	98
78) n-propylbenzene	12.59	91	315729	16.437	ug/l	99
79) 2-Chlorotoluene	12.68	91	192951	16.178	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	230575	16.359	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	30829	14.814	ug/l	96
82) 4-Chlorotoluene	12.78	91	194241	15.957	ug/l	99
83) tert-Butylbenzene	12.99	119	191251	15.973	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	223336	16.307	ug/l	100
85) sec-Butylbenzene	13.18	105	259897	16.562	ug/l	100
86) p-Isopropyltoluene	13.29	119	229932	16.252	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	115666	15.699	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	112955	15.499	ug/l	98
89) n-Butylbenzene	13.62	91	195740	15.878	ug/l	98
90) Hexachloroethane	13.88	117	43726	15.548	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	114977	15.683	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	18351	14.381	ug/l	90

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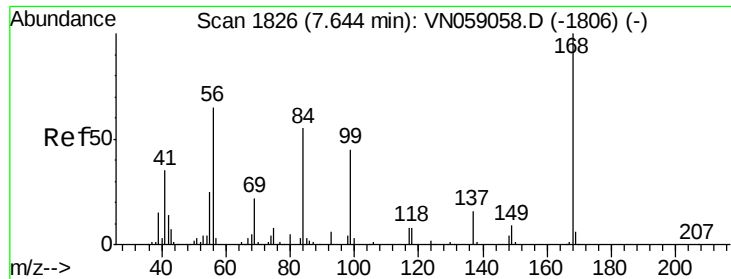
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	55772	14.105	ug/l	99
94) Hexachlorobutadiene	15.01	225	39301	16.561	ug/l	98
95) Naphthalene	15.13	128	147226	14.218	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	57428	14.270	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

Instrument :

MSVOA_N

ClientSampleId :

VN1104WBS01

Tgt Ion: 168 Resp: 356317

Ion Ratio Lower Upper

168 100

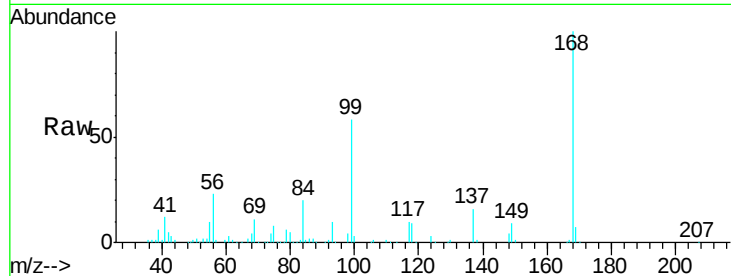
99 57.7 44.1 66.1

Manual Integrations

APPROVED

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11/5/2019 2:00:02 PM



Abundance Ion 167.90 (167.60 to 168.60): VN059058.D (-1806) (-)

Ion 98.90 (98.60 to 99.60): VN059058.D (-1806) (-)

7.64

150000

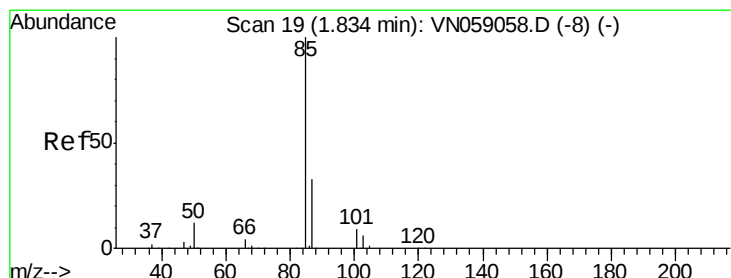
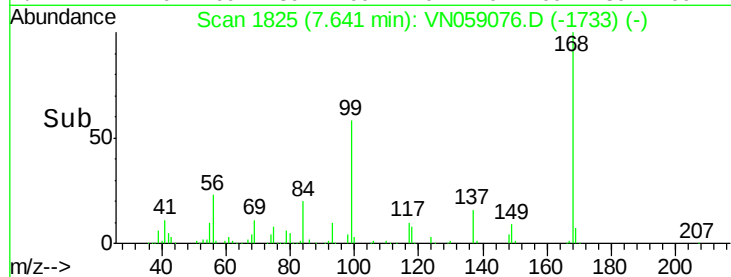
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 15.886 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059076.D

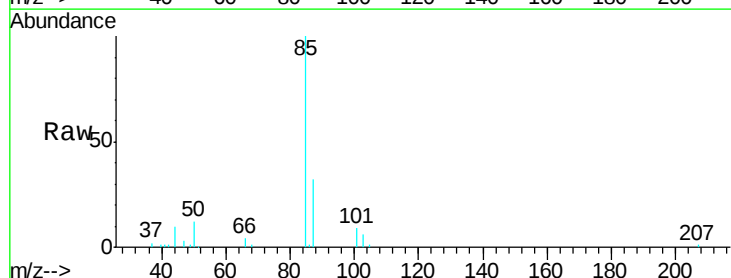
Acq: 4 Nov 2019 11:12

Tgt Ion: 85 Resp: 61199

Ion Ratio Lower Upper

85 100

87 32.0 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VN059058.D (-8) (-)

Ion 86.90 (86.60 to 87.60): VN059058.D (-8) (-)

1.83

50000

40000

30000

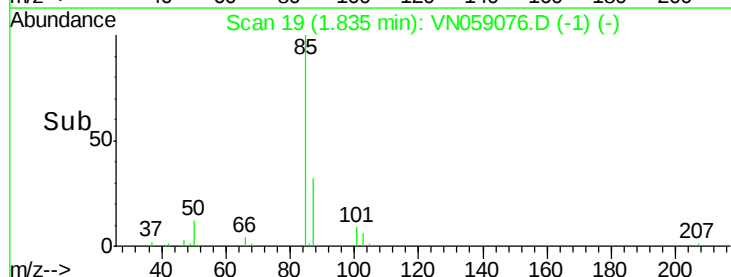
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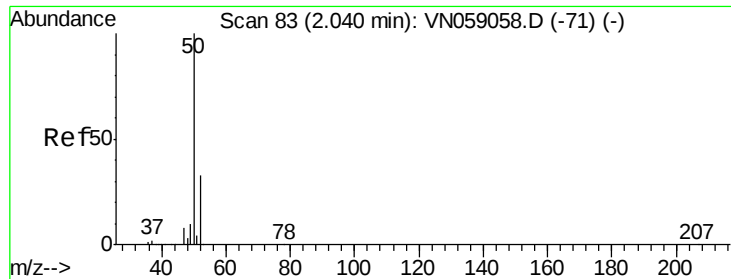
10000

0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 15.788 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

Instrument :

MSVOA_N

ClientSampleId :

VN1104WBS01

Tgt Ion: 50 Resp: 82473

Ion Ratio Lower Upper

50 100

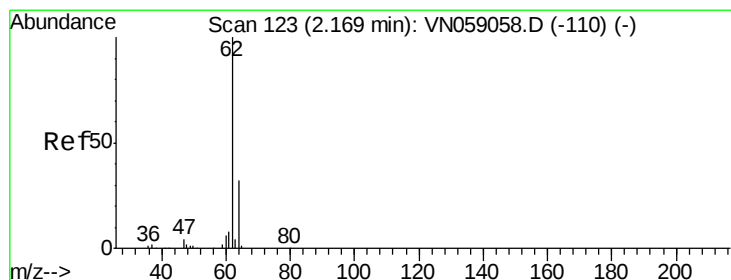
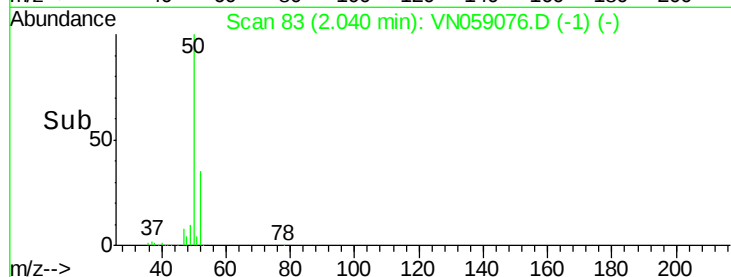
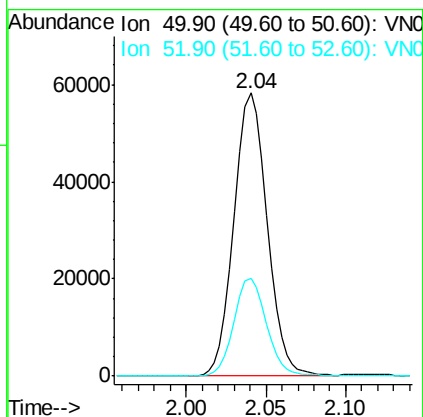
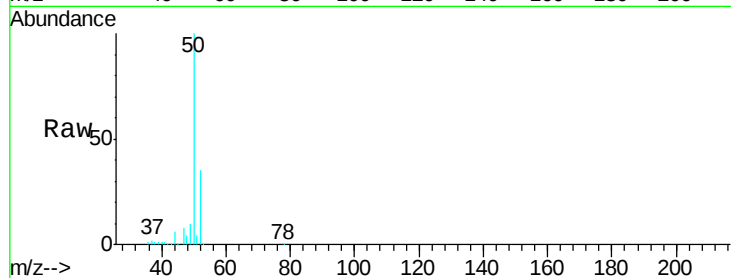
52 34.6 26.3 39.5

Manual Integrations

APPROVED

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11/5/2019 2:00:02 PM



#4

Vinyl Chloride

Concen: 16.483 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059076.D

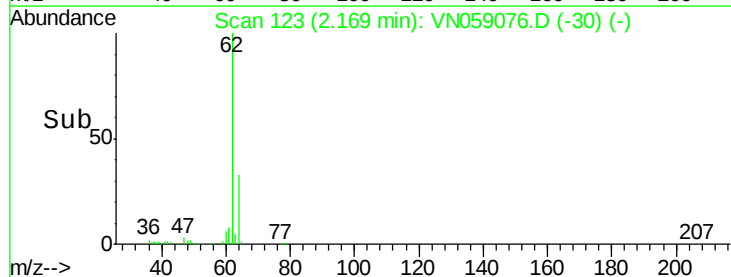
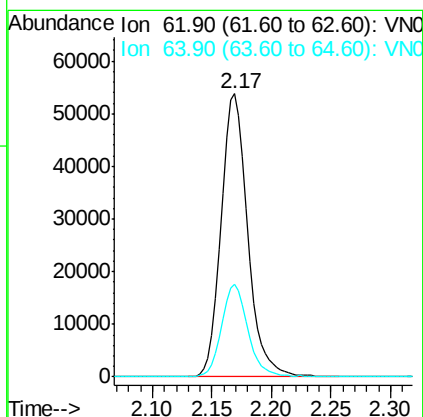
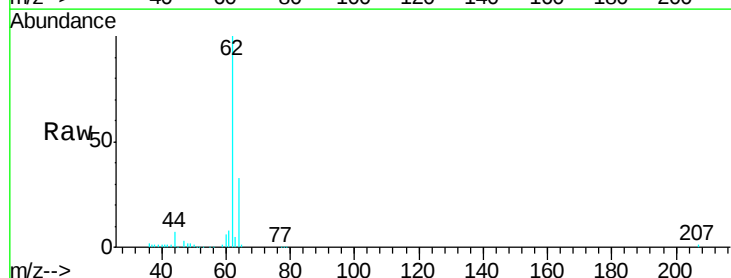
Acq: 4 Nov 2019 11:12

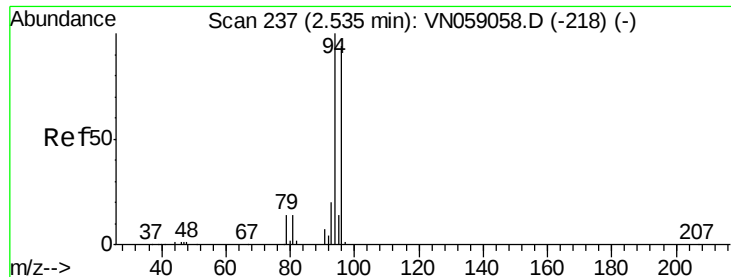
Tgt Ion: 62 Resp: 83580

Ion Ratio Lower Upper

62 100

64 32.6 25.8 38.8





#5

Bromomethane

Concen: 15.846 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.02 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

Instrument :

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ClientSampleId :

VN1104WBS01

Tgt Ion: 94 Resp: 47504

Ion Ratio Lower Upper

94 100

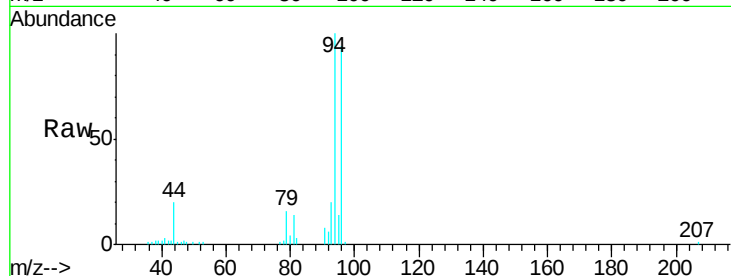
96 94.4 75.1 112.7

Manual Integrations

APPROVED

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11/5/2019 2:00:02 PM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

25000

20000

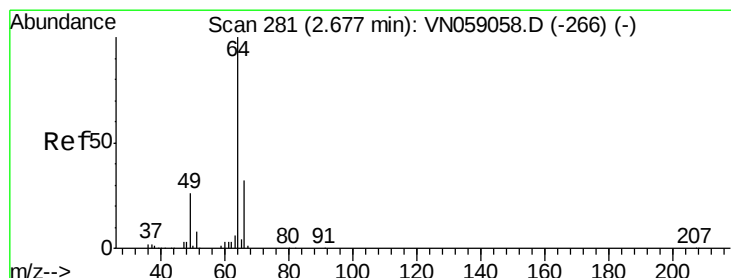
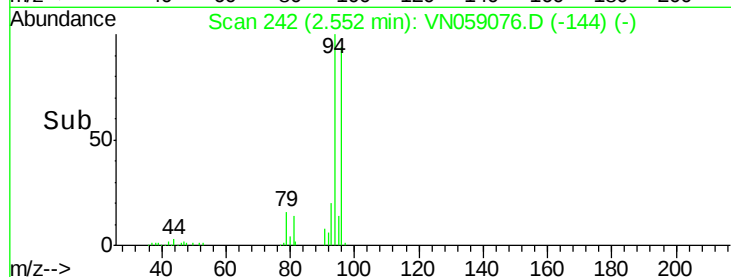
15000

10000

5000

0

Time--> 2.45 2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 15.895 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN059076.D

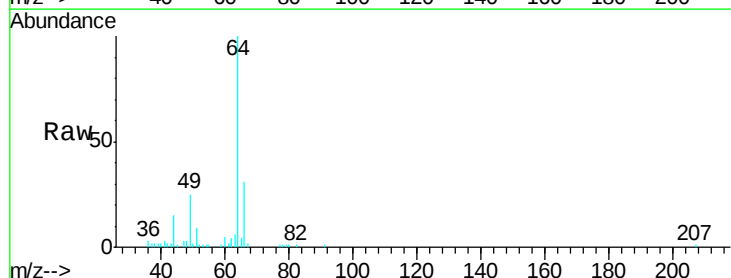
Acq: 4 Nov 2019 11:12

Tgt Ion: 64 Resp: 49360

Ion Ratio Lower Upper

64 100

66 30.7 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

25000

20000

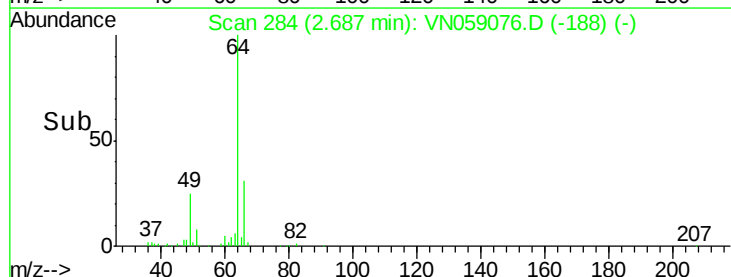
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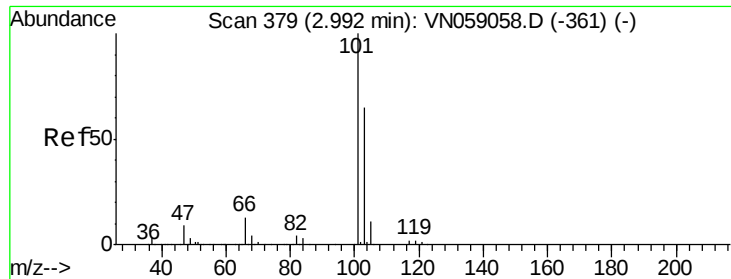
10000

5000

0

Time--> 2.60 2.65 2.70 2.75 2.80





#7

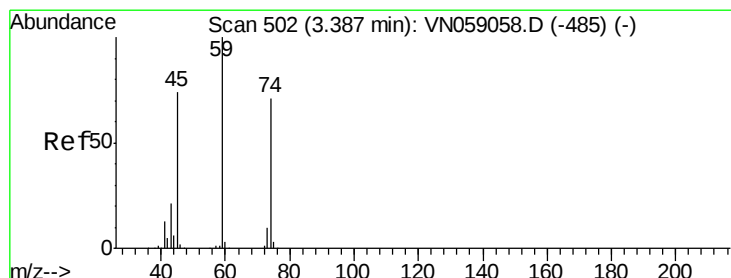
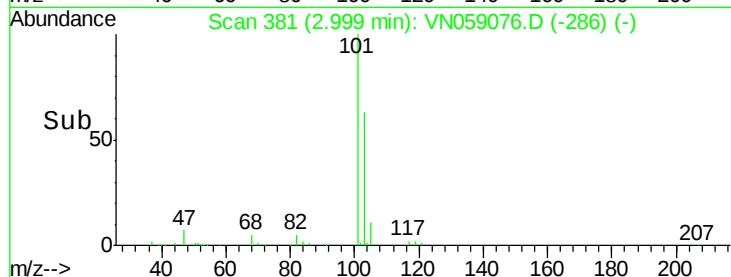
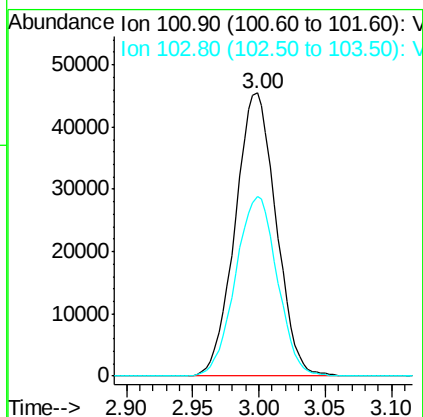
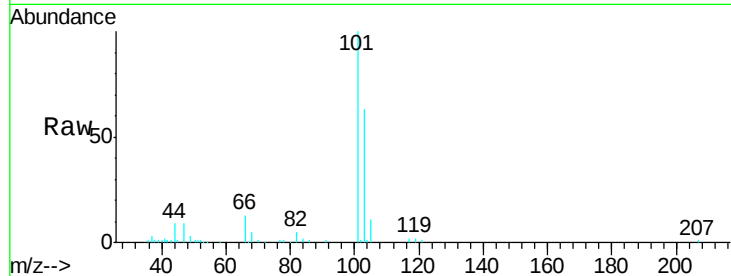
Trichlorofluoromethane
 Concen: 16.217 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VN059076.D
 Acq: 4 Nov 2019 11:12

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Tgt Ion	Ratio	Lower	Upper
101	100		
103	63.4	51.7	77.5

Manual Integrations
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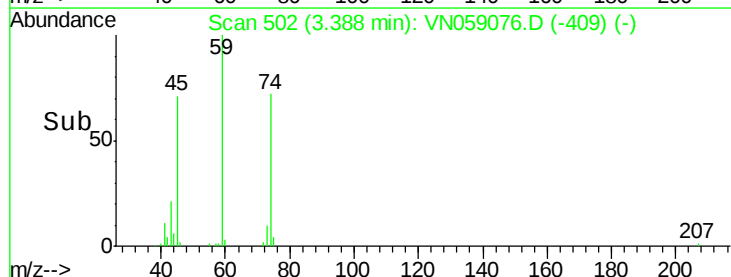
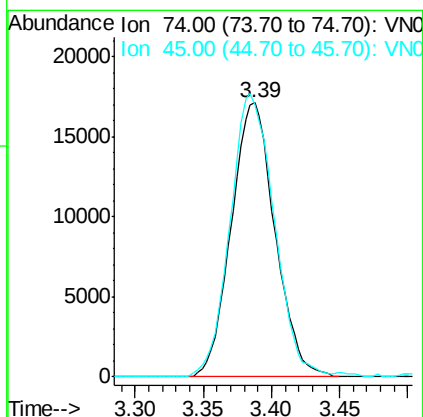
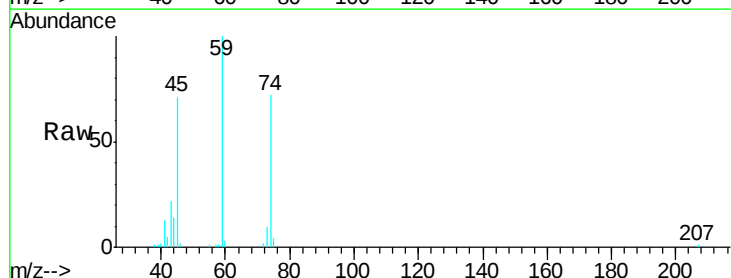
MMDadoda
 11/5/2019 2:00:02 PM

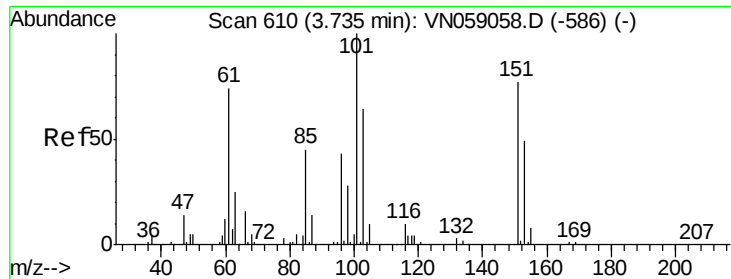


#8

Diethyl Ether
 Concen: 16.187 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: VN059076.D
 Acq: 4 Nov 2019 11:12

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.2	52.8	158.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.603 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

Instrument :

MSVOA_N

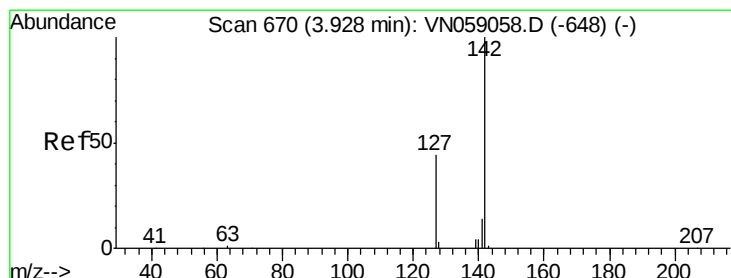
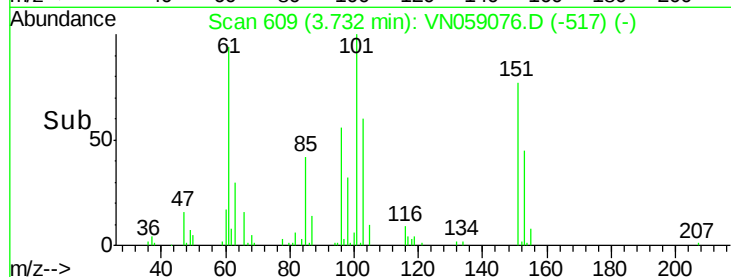
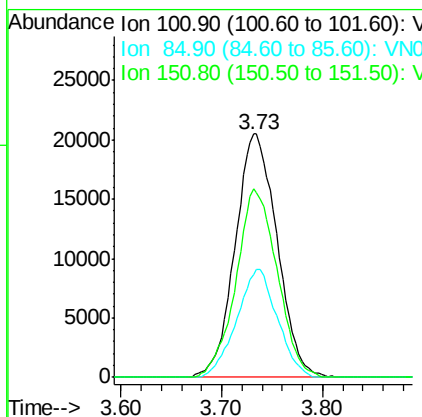
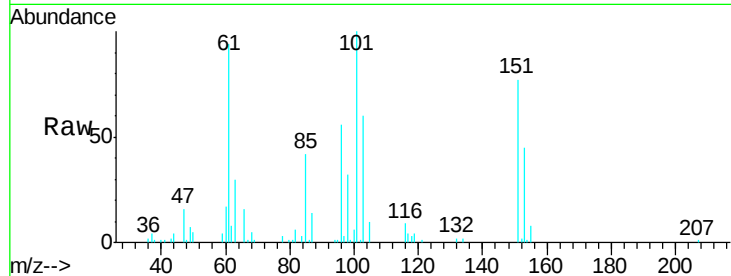
ClientSampled :

VN1104WBS01

Tgt Ion:	101	Resp:	58964
Ion Ratio	Lower	Upper	
101	100		
85	43.0	35.0	52.6
151	76.1	61.3	91.9

Manual Integrations
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MMDadoda
11/5/2019 2:00:02 PM



#10

Methyl Iodide

Concen: 14.879 ug/l

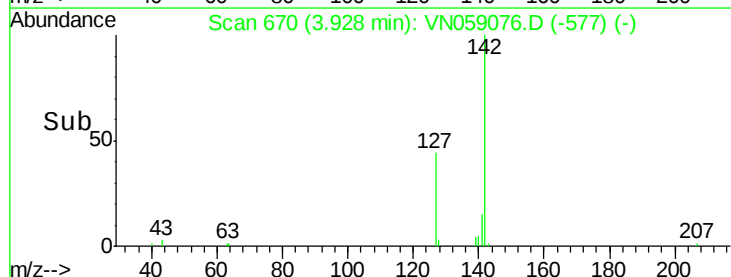
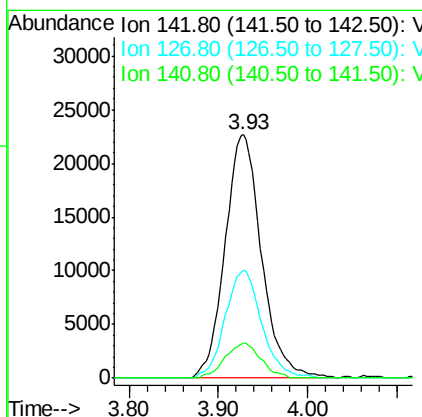
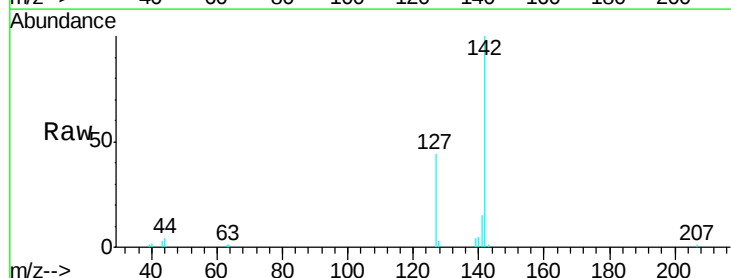
RT: 3.93 min Scan# 670

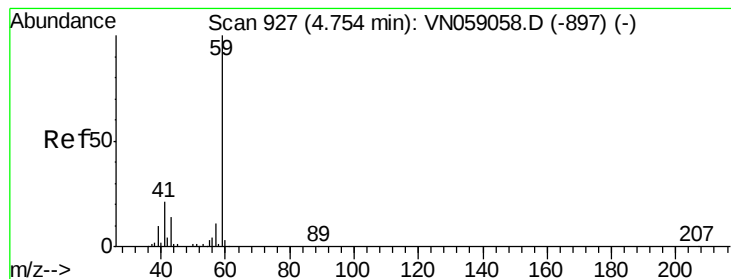
Delta R.T. 0.00 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

Tgt Ion:	142	Resp:	64228
Ion Ratio	Lower	Upper	
142	100		
127	44.0	34.2	51.2
141	14.2	11.1	16.7





#11

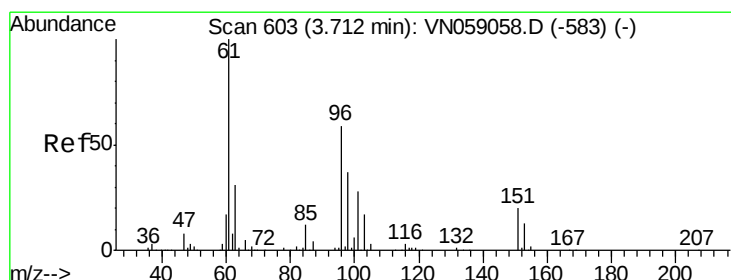
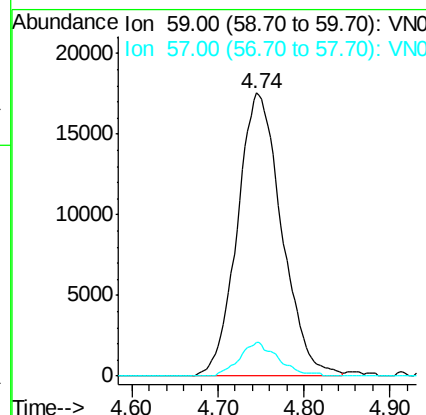
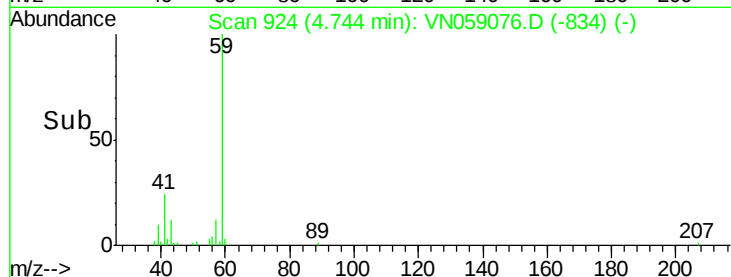
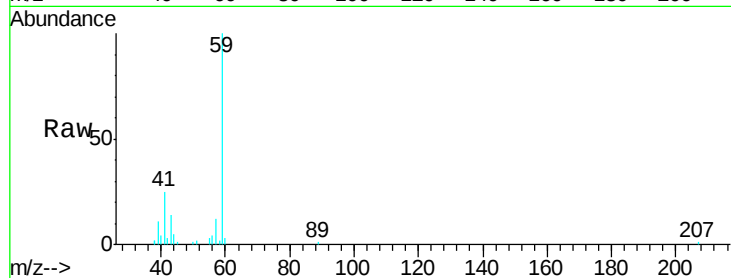
Tert butyl alcohol
Concen: 72.026 ug/l
RT: 4.74 min Scan# 924
Delta R.T. -0.01 min
Lab File: VN059076.D
Acq: 4 Nov 2019 11:12

Instrument :
MSVOA_N
ClientSampleId :
VN1104WBS01

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.4

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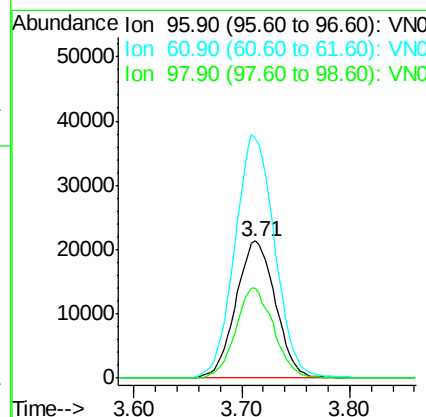
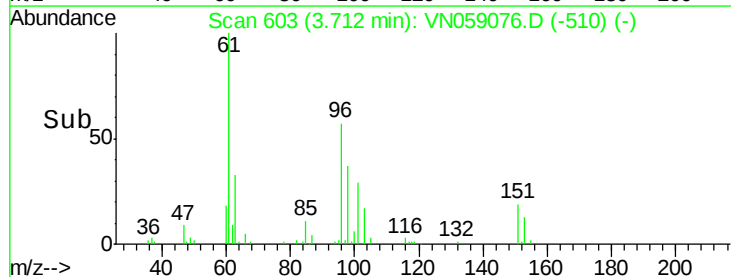
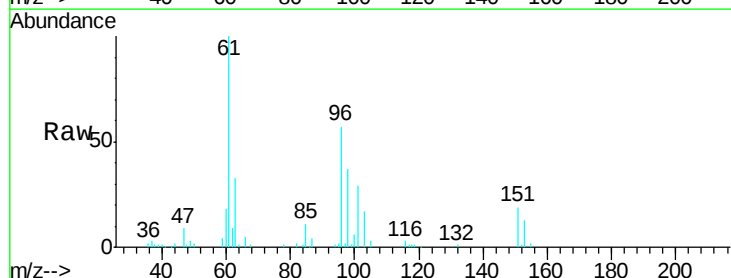
MMDadoda
11/5/2019 2:00:02 PM

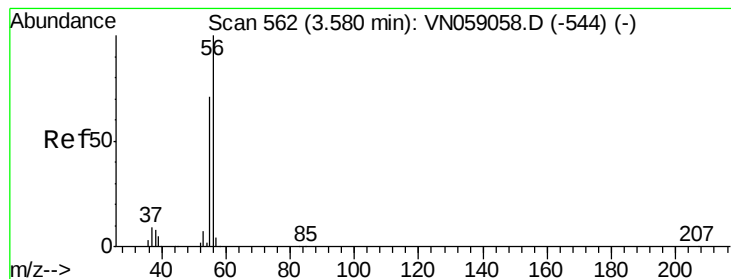


#12

1,1-Dichloroethene
Concen: 15.383 ug/l
RT: 3.71 min Scan# 603
Delta R.T. 0.00 min
Lab File: VN059076.D
Acq: 4 Nov 2019 11:12

Tgt Ion	Ratio	Lower	Upper
96	100		
61	175.6	135.3	202.9
98	65.6	49.4	74.2





#13

Acrolein

Concen: 44.943 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

Instrument :

MSVOA_N

ClientSampleId :

VN1104WBS01

Tgt Ion: 56 Resp: 24768

Ion Ratio Lower Upper

56 100

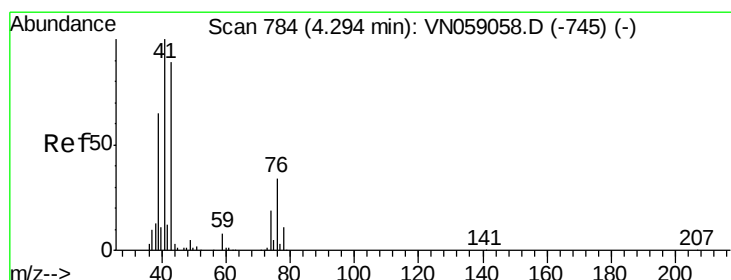
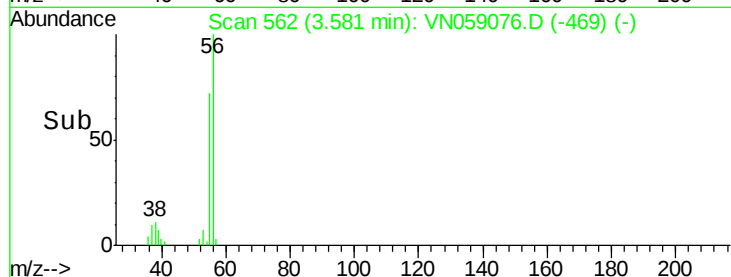
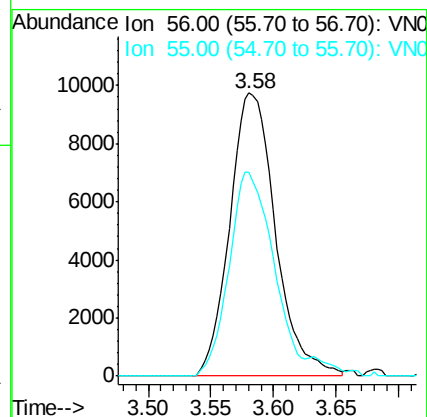
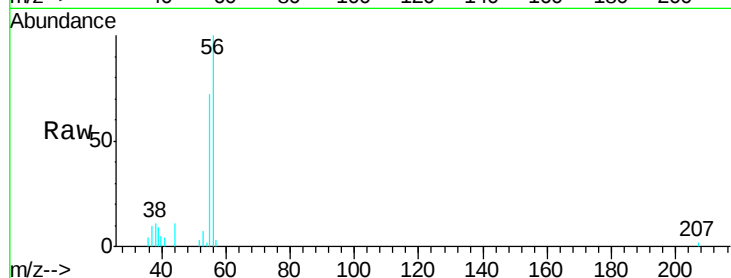
55 69.4 56.1 84.1

Manual Integrations

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MMDadoda

11/5/2019 2:00:02 PM



#14

Allyl chloride

Concen: 15.919 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

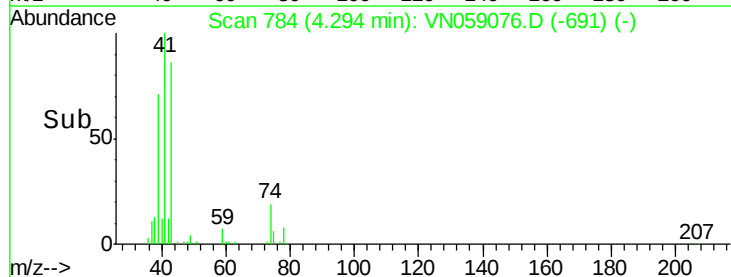
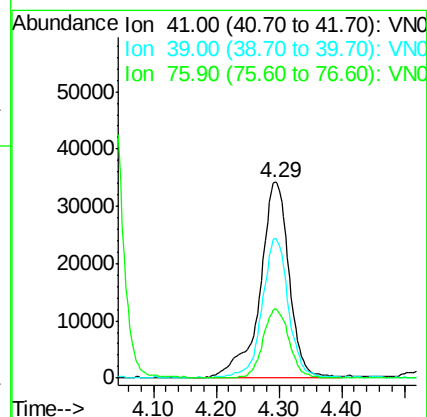
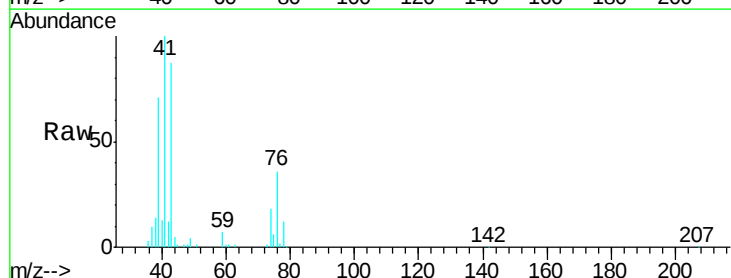
Tgt Ion: 41 Resp: 111414

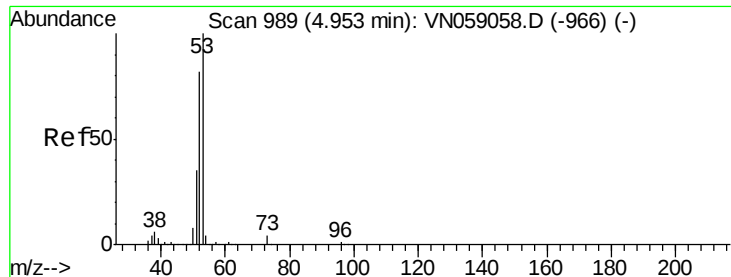
Ion Ratio Lower Upper

41 100

39 64.1 49.4 74.2

76 31.3 24.6 37.0





#15

Acrylonitrile

Concen: 77.484 ug/l

RT: 4.95 min Scan# 989

Delta R.T. 0.00 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

Instrument :

MSVOA_N

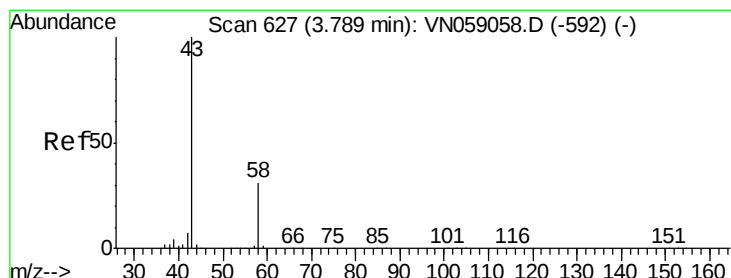
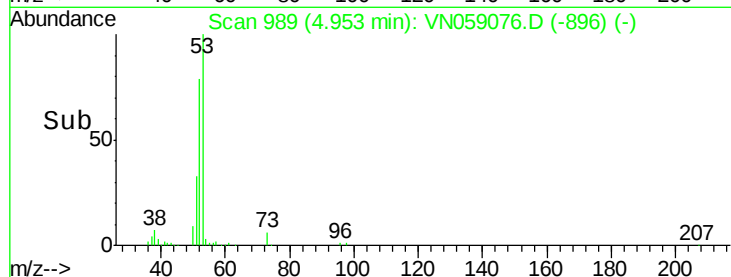
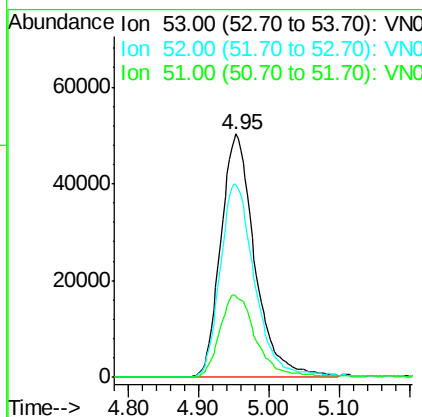
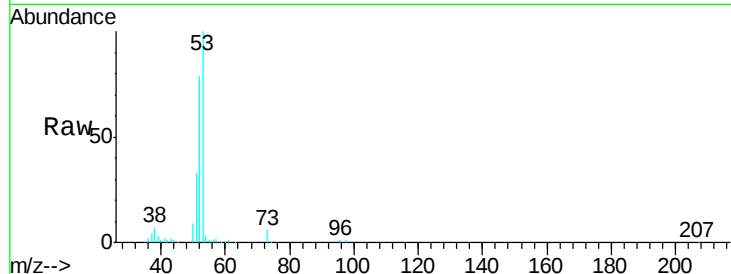
ClientSampleId :

VN1104WBS01

Tgt Ion:	53	Resp:	169759
Ion	Ratio	Lower	Upper
53	100		
52	80.4	66.0	99.0
51	35.3	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 81.586 ug/l

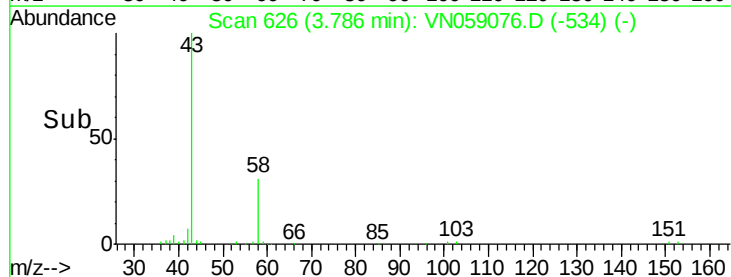
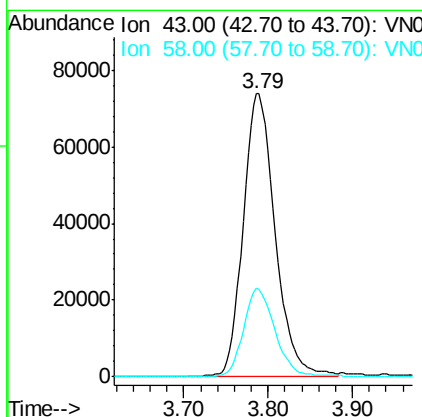
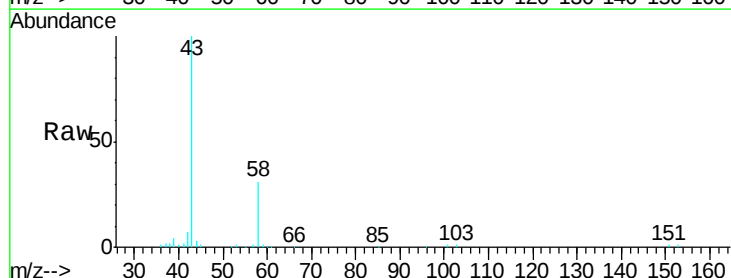
RT: 3.79 min Scan# 626

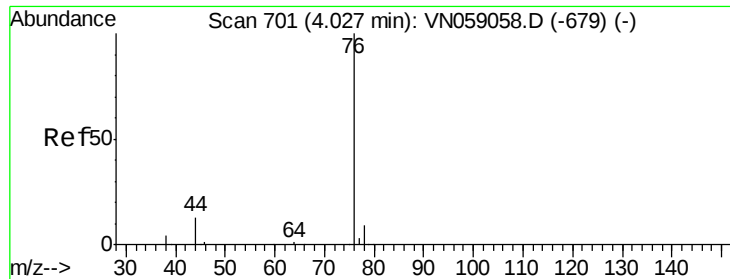
Delta R.T. -0.00 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

Tgt Ion:	43	Resp:	194912
Ion	Ratio	Lower	Upper
43	100		
58	31.3	25.0	37.6





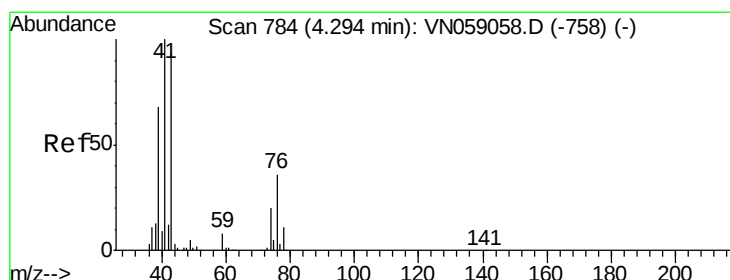
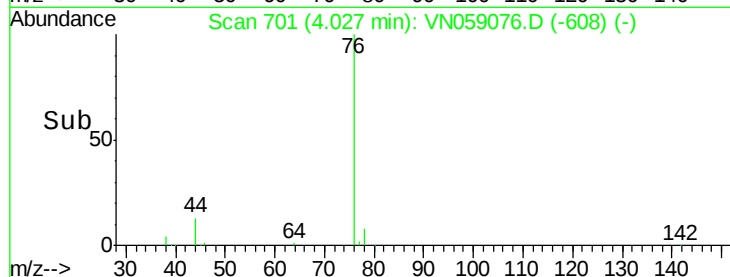
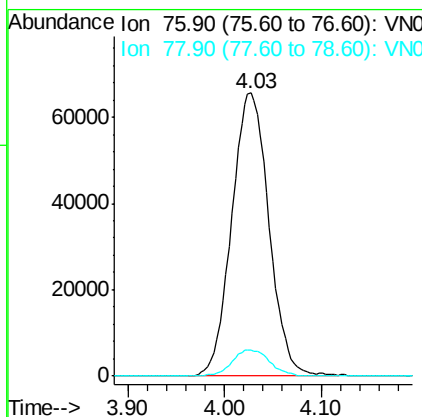
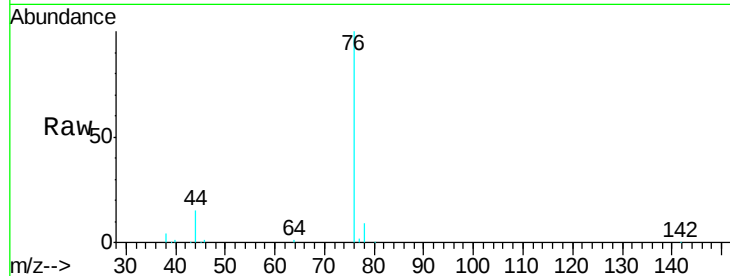
#17
Carbon Disulfide
Concen: 15.628 ug/l
RT: 4.03 min Scan# 701
Delta R.T. 0.00 min
Lab File: VN059076.D
Acq: 4 Nov 2019 11:12

Instrument :
MSVOA_N
ClientSampleId :
VN1104WBS01

Tgt Ion: 76 Resp: 175487
Ion Ratio Lower Upper
76 100
78 9.3 7.0 10.6

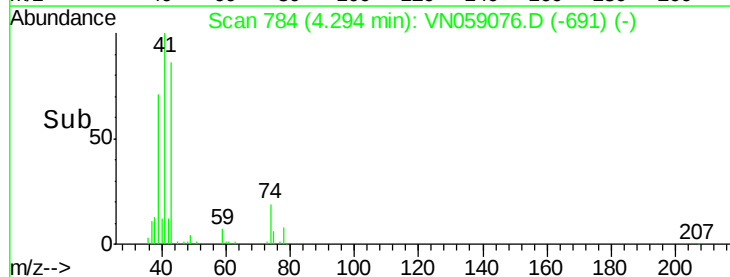
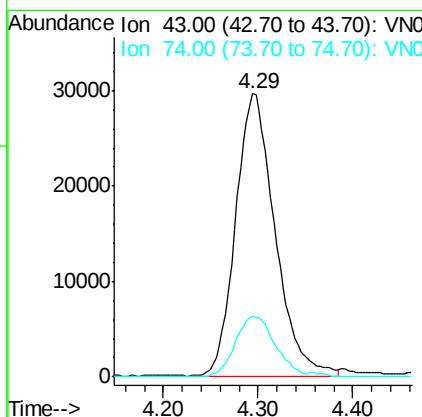
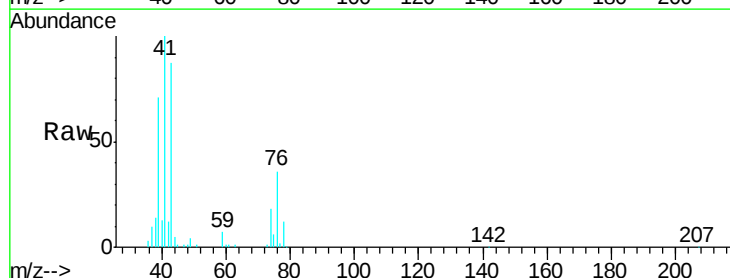
Manual Integrations
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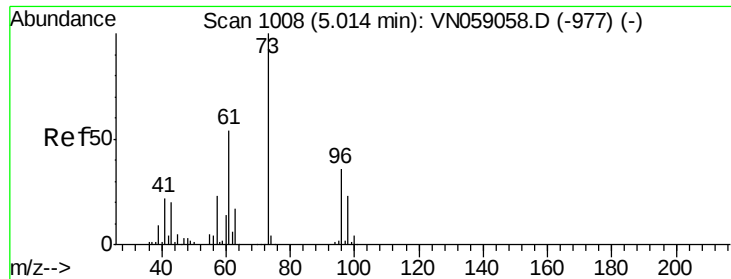
MMDadoda
11/5/2019 2:00:02 PM



#18
Methyl Acetate
Concen: 14.312 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.00 min
Lab File: VN059076.D
Acq: 4 Nov 2019 11:12

Tgt Ion: 43 Resp: 86622
Ion Ratio Lower Upper
43 100
74 21.4 17.5 26.3





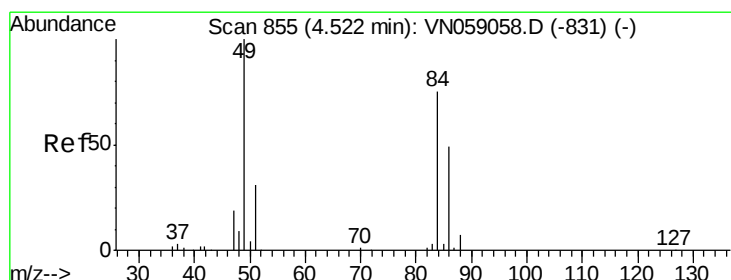
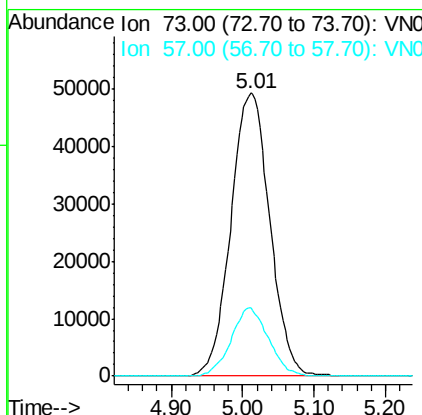
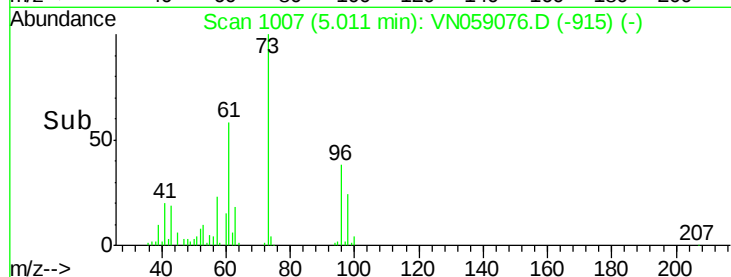
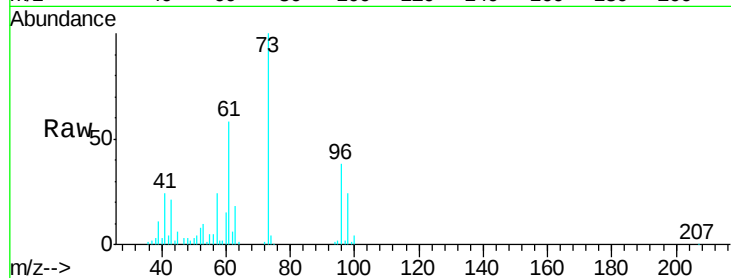
#19
Methyl tert-butyl Ether
Concen: 15.571 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059076.D
Acq: 4 Nov 2019 11:12

Instrument :
MSVOA_N
ClientSampleId :
VN1104WBS01

Tgt Ion: 73 Resp: 187311
Ion Ratio Lower Upper
73 100
57 24.0 18.4 27.6

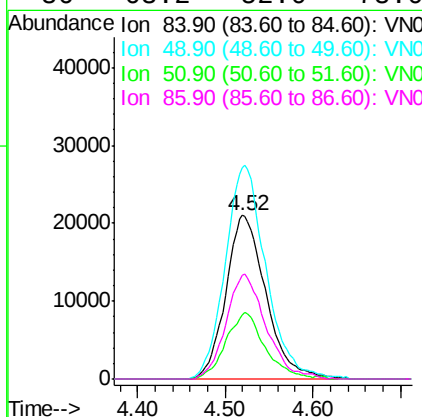
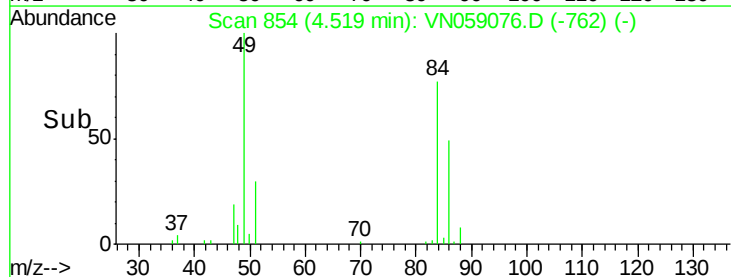
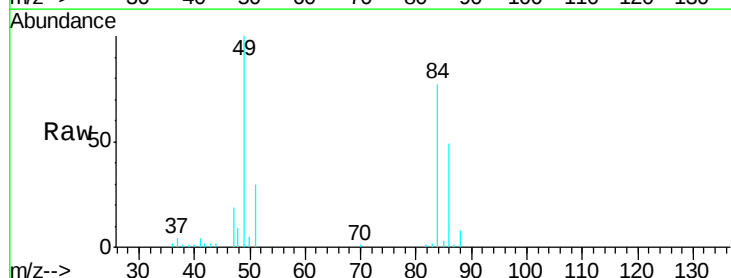
Manual Integrations
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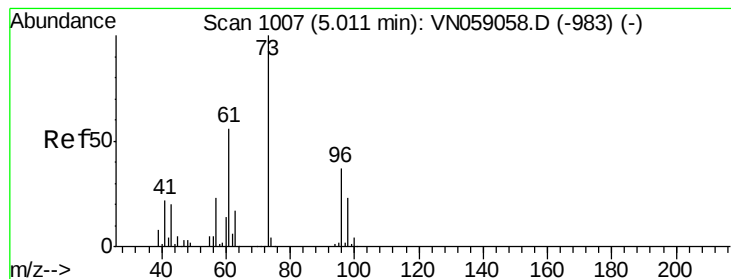
MMDadoda
11/5/2019 2:00:02 PM



#20
Methylene Chloride
Concen: 16.021 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059076.D
Acq: 4 Nov 2019 11:12

Tgt Ion: 84 Resp: 67005
Ion Ratio Lower Upper
84 100
49 129.1 106.4 159.6
51 39.2 33.0 49.4
86 63.2 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 15.902 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

Instrument :

MSVOA_N

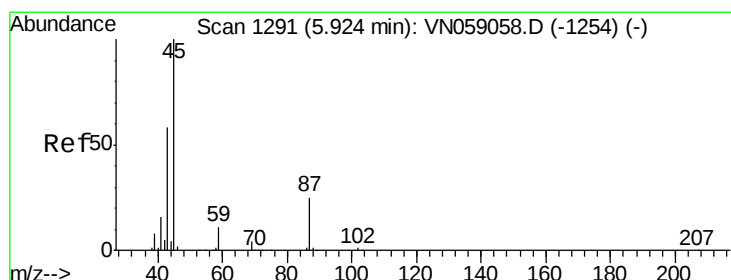
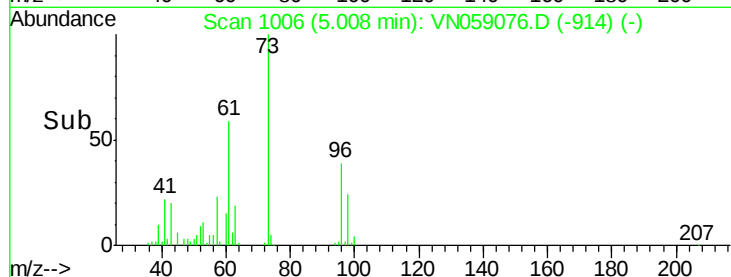
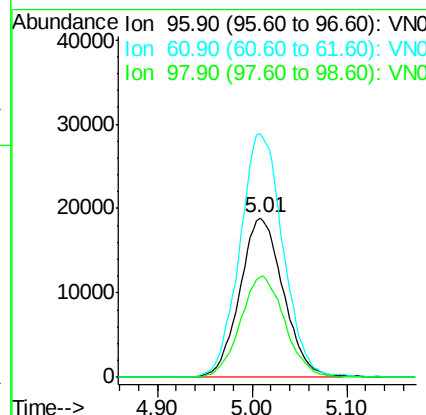
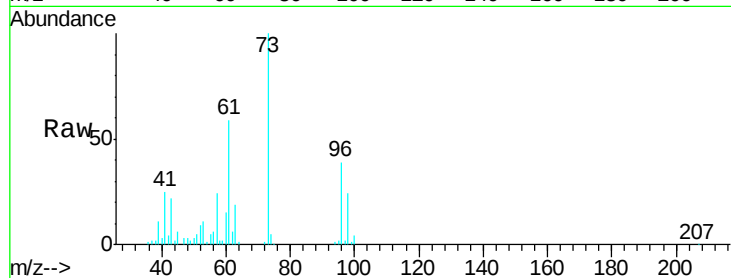
ClientSampleId :

VN1104WBS01

Tgt Ion:	96	Resp:	60295
Ion	Ratio	Lower	Upper
96	100		
61	153.0	121.7	182.5
98	62.8	50.6	76.0

Manual Integrations
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11/5/2019 2:00:02 PM



#22

Diisopropyl ether

Concen: 16.107 ug/l

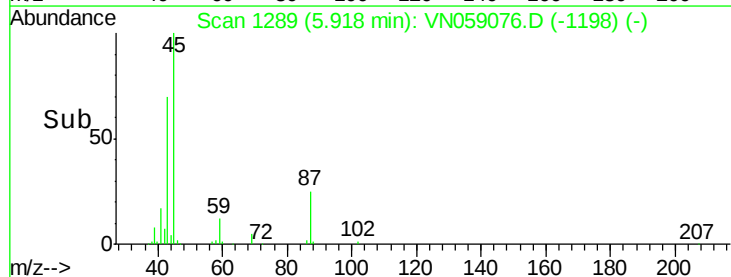
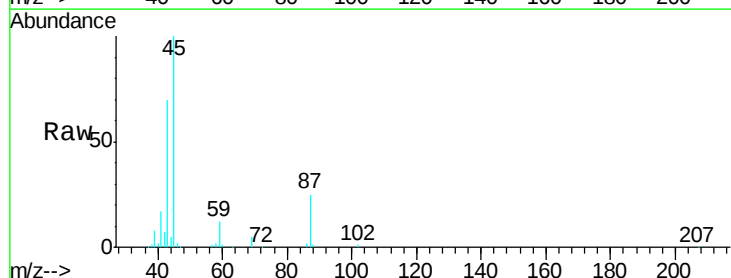
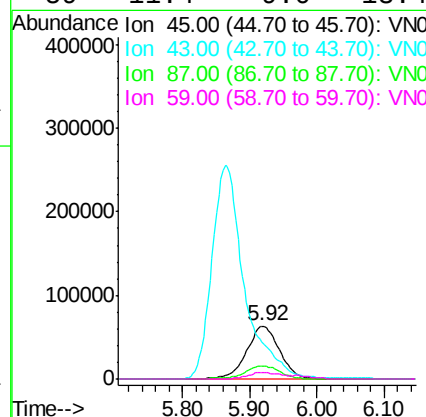
RT: 5.92 min Scan# 1289

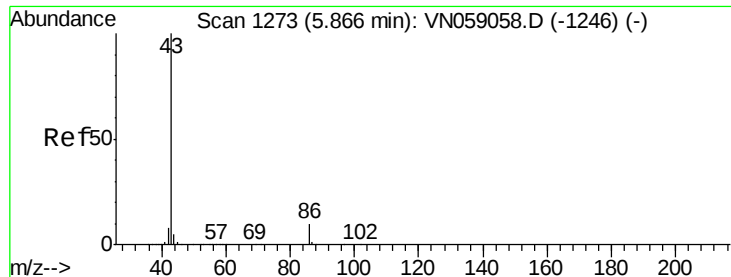
Delta R.T. -0.01 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

Tgt Ion:	45	Resp:	214713
Ion	Ratio	Lower	Upper
45	100		
43	67.4	46.9	70.3
87	24.9	20.1	30.1
59	11.4	9.0	13.4





#23

Vinyl Acetate

Concen: 81.064 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

Instrument :

MSVOA_N

ClientSampleId :

VN1104WBS01

Tgt Ion: 43 Resp: 860712

Ion Ratio Lower Upper

43 100

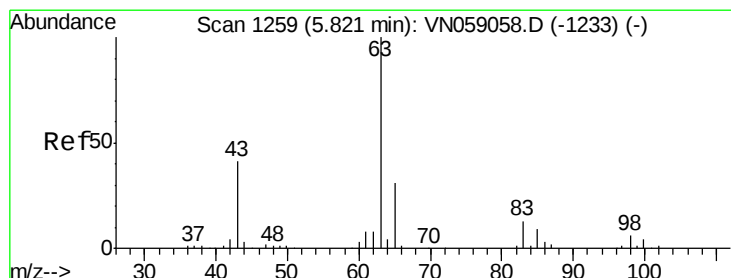
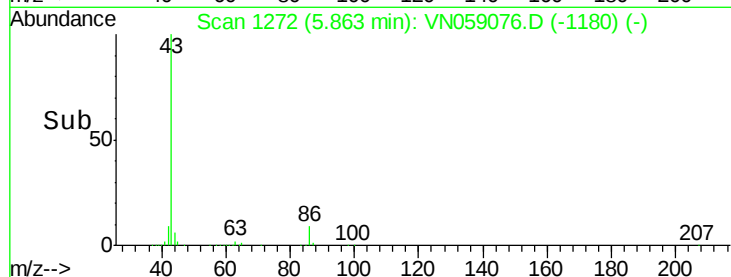
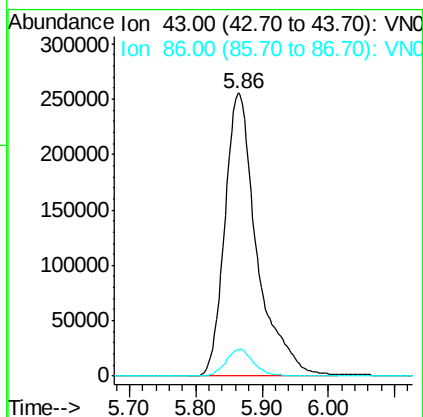
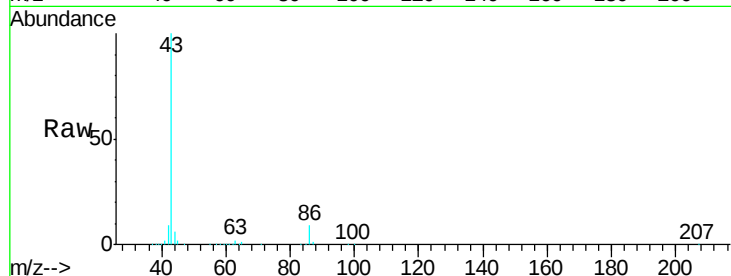
86 9.4 7.6 11.4

Manual Integrations

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MMDadoda

11/5/2019 2:00:02 PM



#24

1,1-Dichloroethane

Concen: 16.301 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

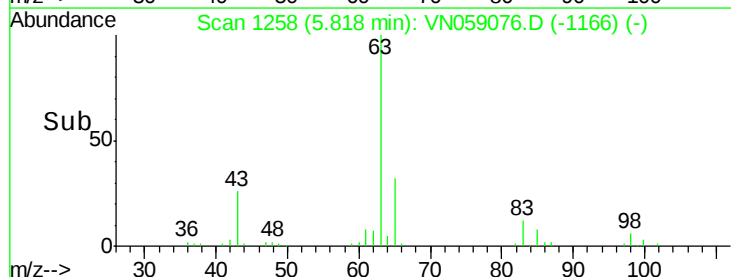
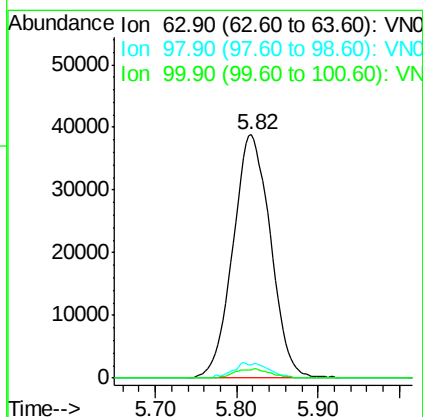
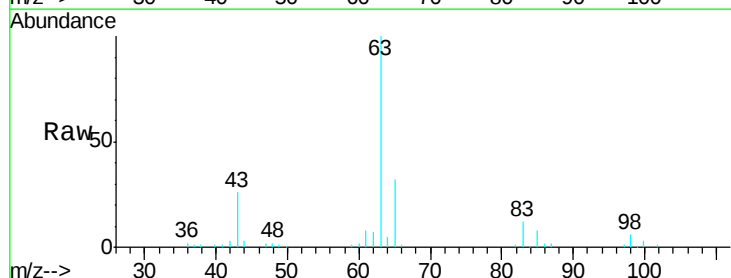
Tgt Ion: 63 Resp: 124238

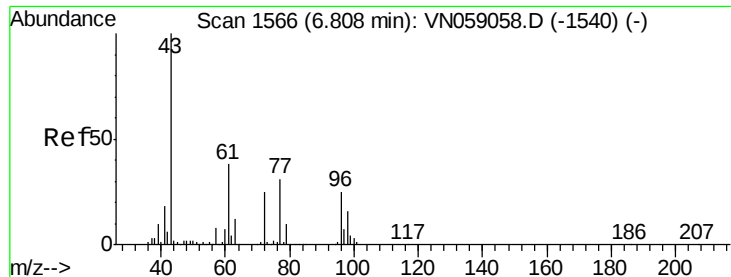
Ion Ratio Lower Upper

63 100

98 5.6 3.2 9.6

100 3.5 2.0 6.0





#25

2-Butanone

Concen: 75.470 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

Instrument :

MSVOA_N

ClientSampleId :

VN1104WBS01

Tgt Ion: 43 Resp: 240078

Ion Ratio Lower Upper

43 100

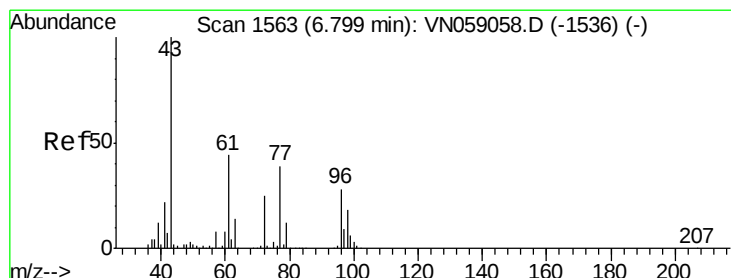
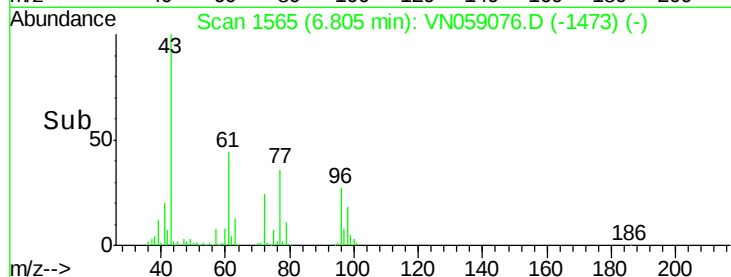
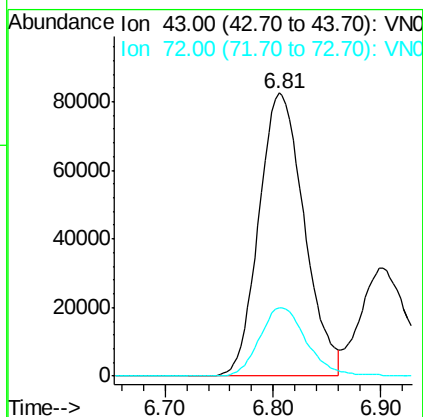
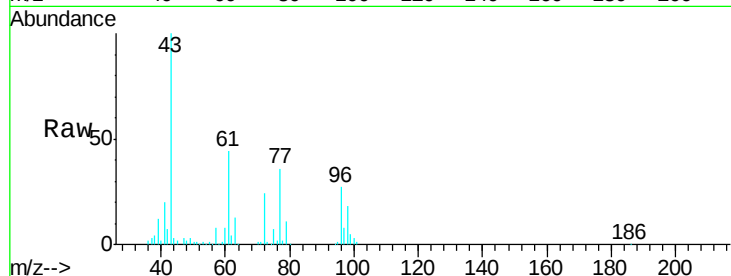
72 24.0 19.9 29.9

Manual Integrations

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MMDadoda

11/5/2019 2:00:02 PM



#26

2,2-Dichloropropane

Concen: 15.626 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.01 min

Lab File: VN059076.D

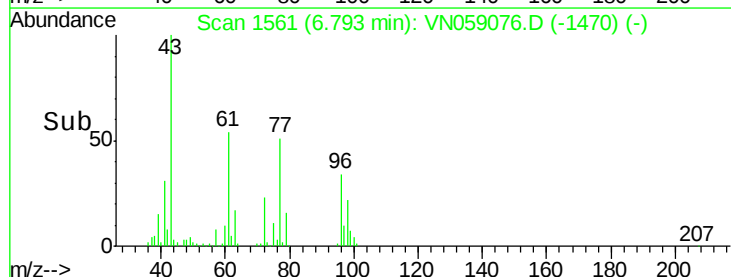
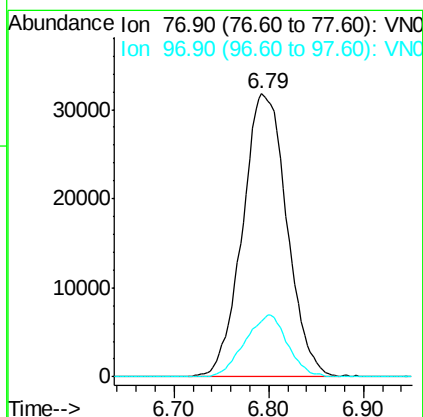
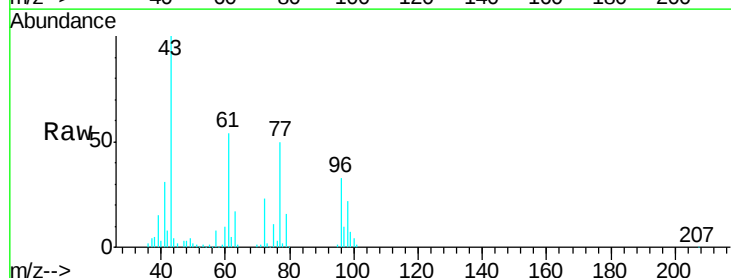
Acq: 4 Nov 2019 11:12

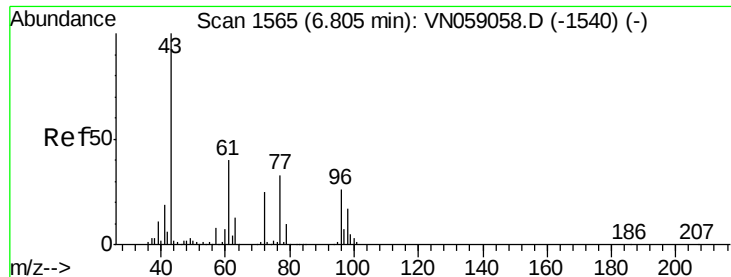
Tgt Ion: 77 Resp: 103372

Ion Ratio Lower Upper

77 100

97 21.0 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 16.129 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.01 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

Instrument :

MSVOA_N

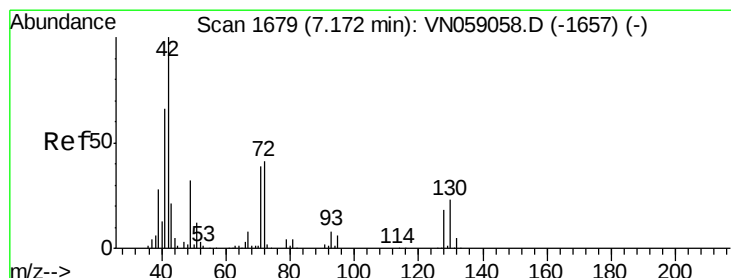
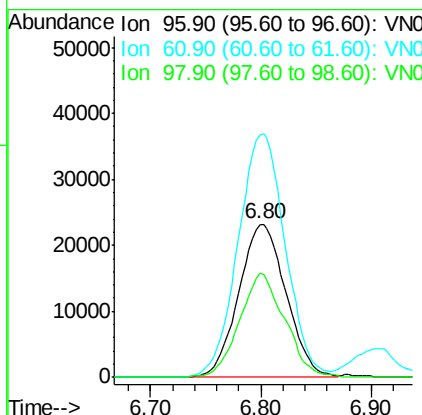
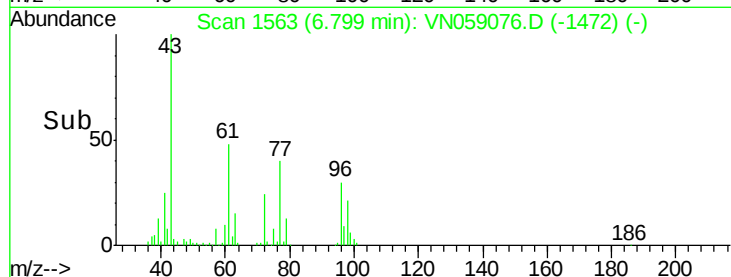
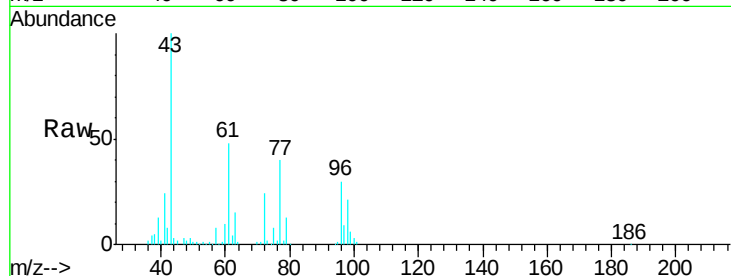
ClientSampleId :

VN1104WBS01

Tgt Ion:	96	Resp:	68861
Ion	Ratio	Lower	Upper
96	100		
61	158.9	0.0	316.4
98	65.1	0.0	128.2

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#28

Bromochloromethane

Concen: 8.428 ug/l

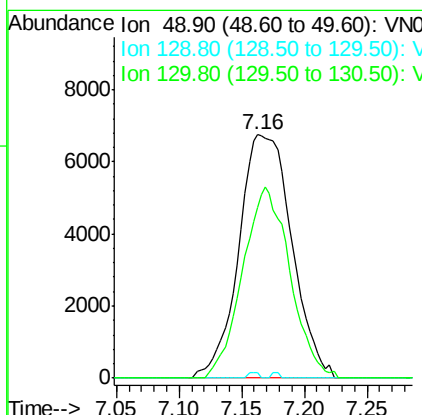
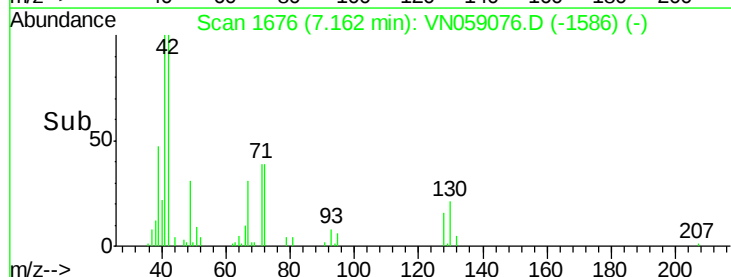
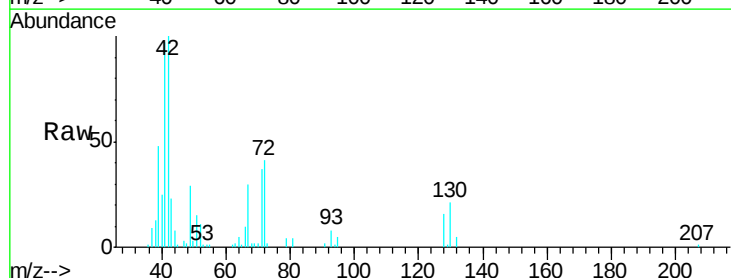
RT: 7.16 min Scan# 1676

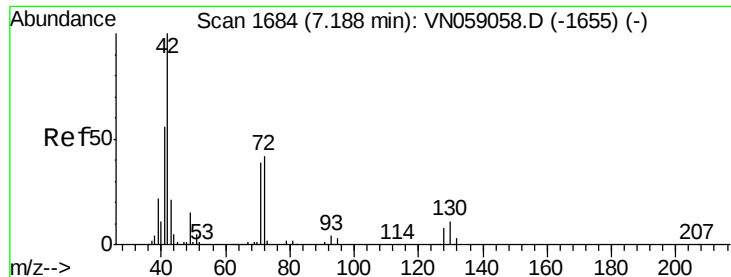
Delta R.T. -0.01 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

Tgt Ion:	49	Resp:	19825
Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	3.4
130	0.0	55.0	82.6#





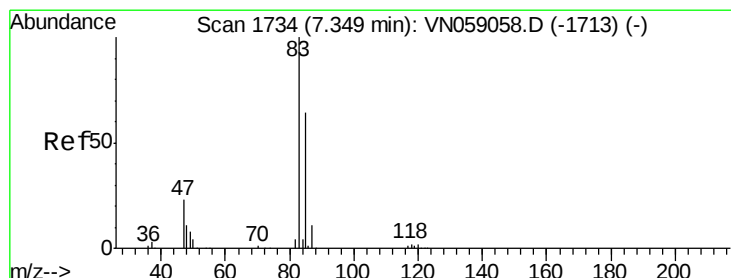
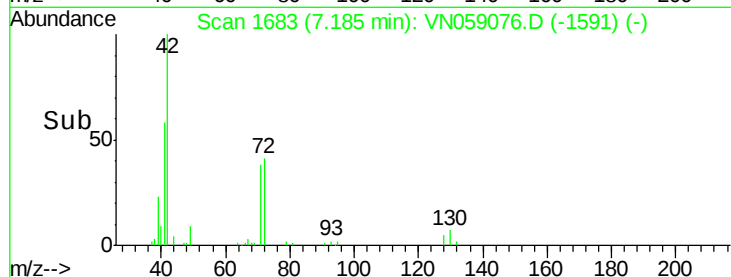
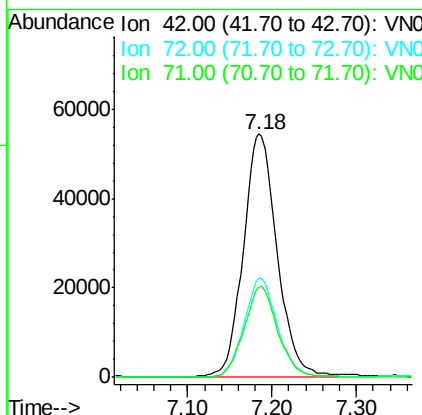
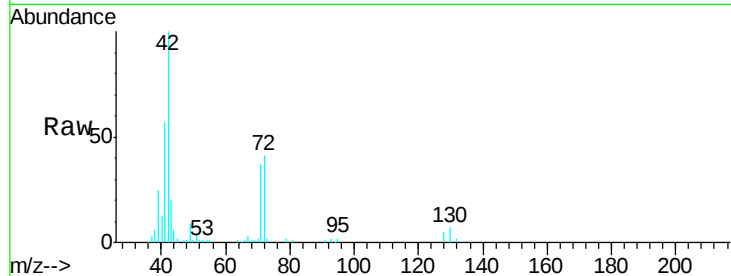
#29
Tetrahydrofuran
Concen: 75.702 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN059076.D
Acq: 4 Nov 2019 11:12

Instrument :
MSVOA_N
ClientSampleId :
VN1104WBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	40.4	32.7	49.1
71	36.8	31.2	46.8

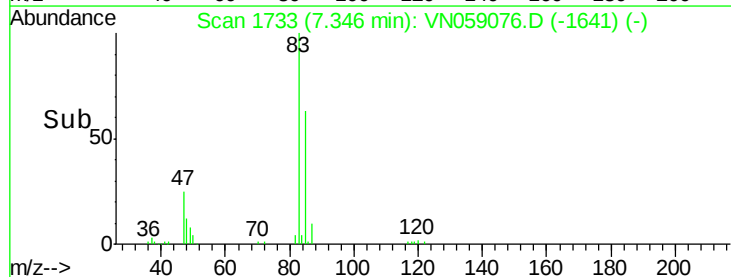
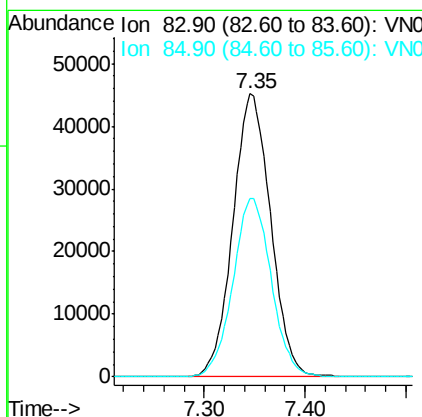
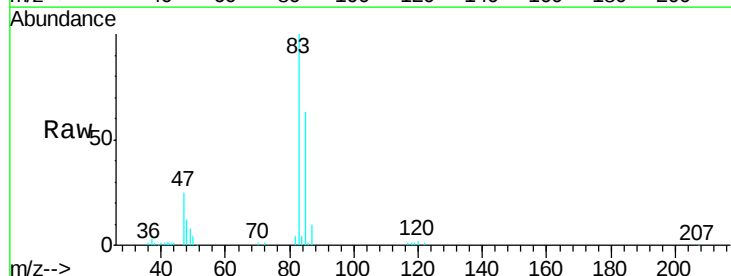
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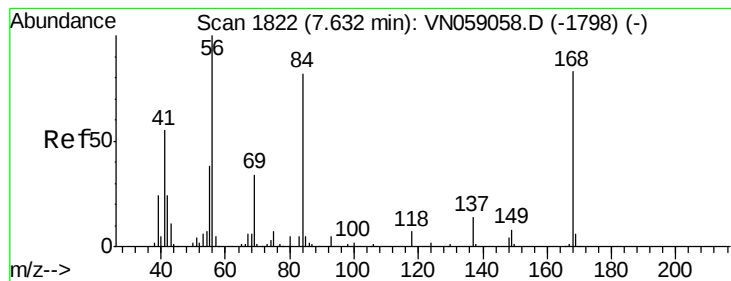
MMDadoda
11/5/2019 2:00:02 PM



#30
Chloroform
Concen: 16.070 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059076.D
Acq: 4 Nov 2019 11:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	50.9	76.3





#31

Cyclohexane

Concen: 15.104 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

Instrument :

MSVOA_N

ClientSampleId :

VN1104WBS01

Tgt Ion: 56 Resp: 109798
Ion Ratio Lower Upper

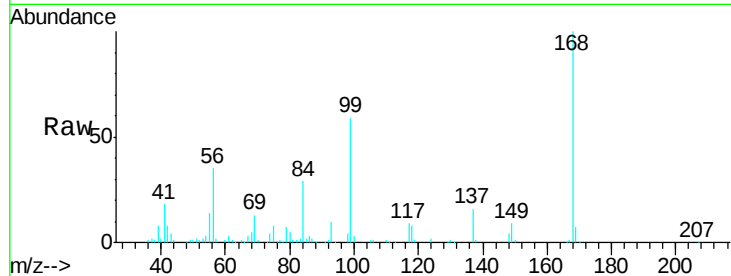
56 100

69 37.5 27.2 40.8

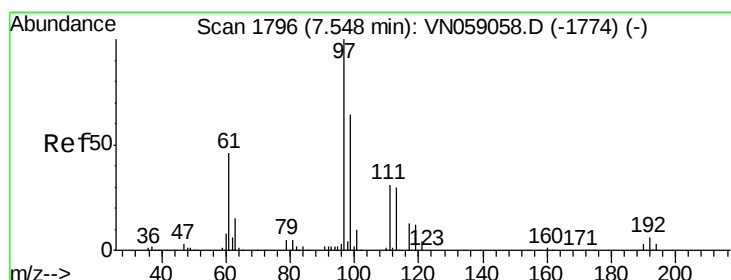
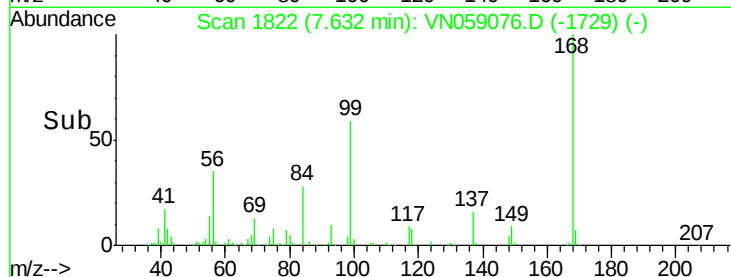
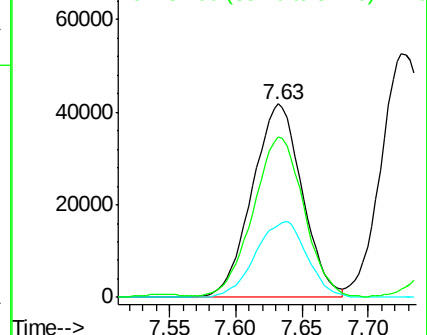
84 82.1 65.2 97.8

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Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 15.900 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN059076.D

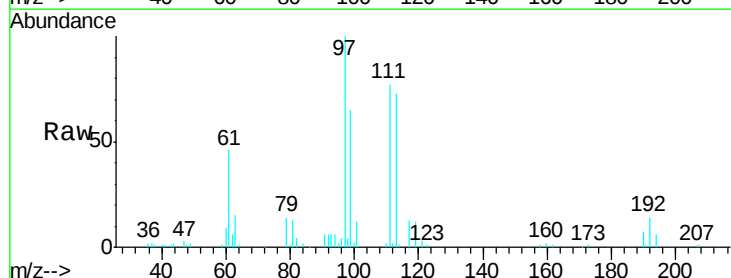
Acq: 4 Nov 2019 11:12

Tgt Ion: 97 Resp: 98041
Ion Ratio Lower Upper

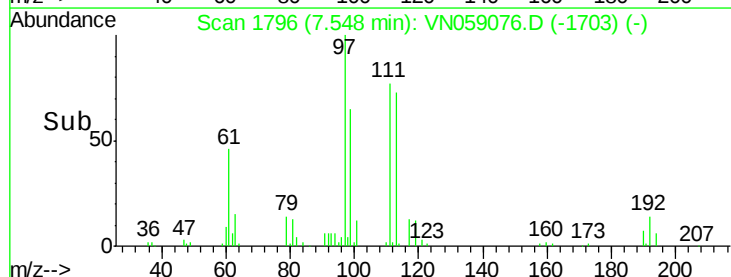
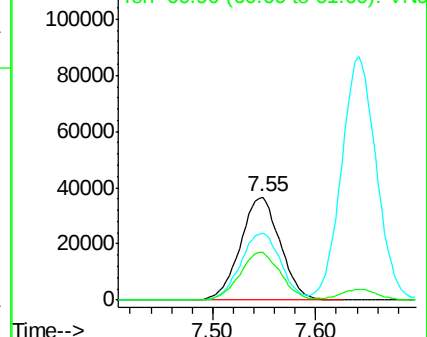
97 100

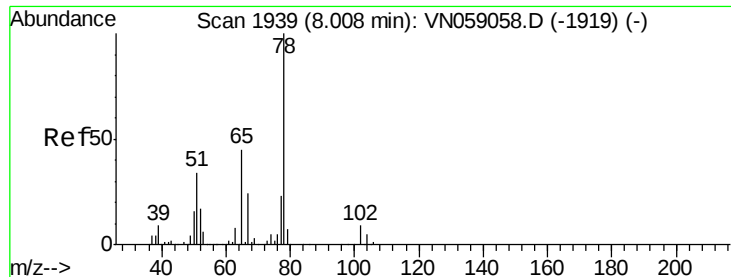
99 65.9 50.7 76.1

61 47.5 36.3 54.5



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO





#33

1,2-Dichloroethane-d4

Concen: 35.002 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

Instrument :

MSVOA_N

ClientSampleId :

VN1104WBS01

Tgt Ion: 65 Resp: 165173

Ion Ratio Lower Upper

65 100

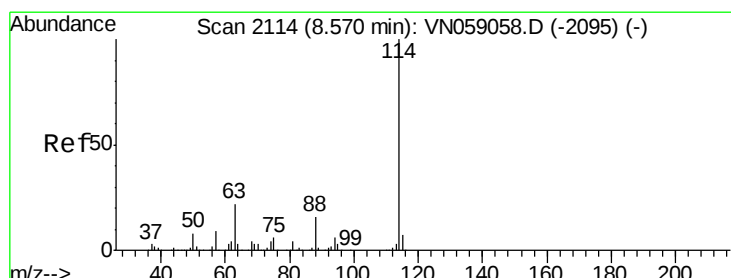
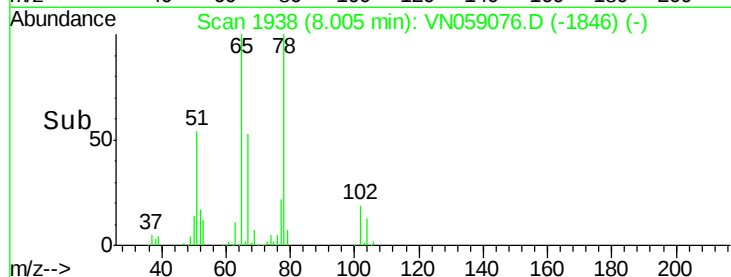
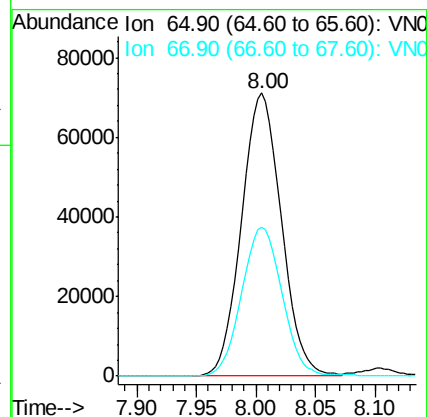
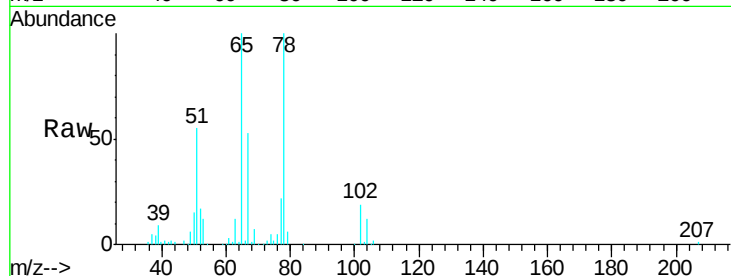
67 53.4 0.0 107.6

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

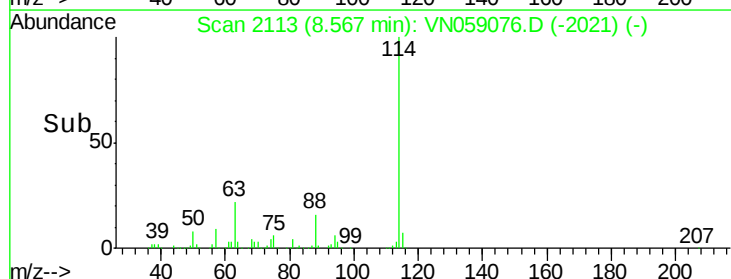
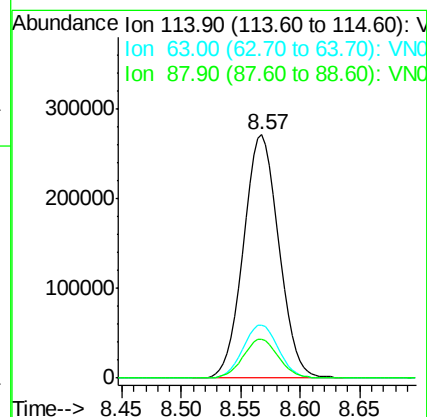
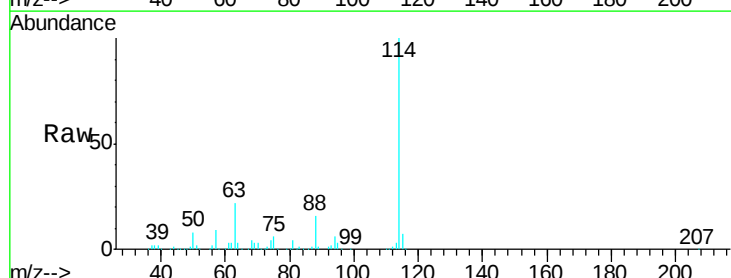
Tgt Ion: 114 Resp: 559877

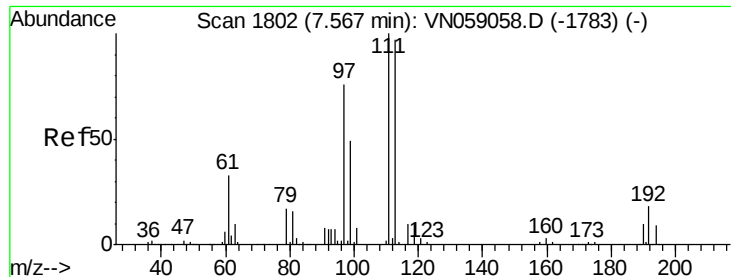
Ion Ratio Lower Upper

114 100

63 21.9 0.0 43.2

88 16.2 0.0 33.0





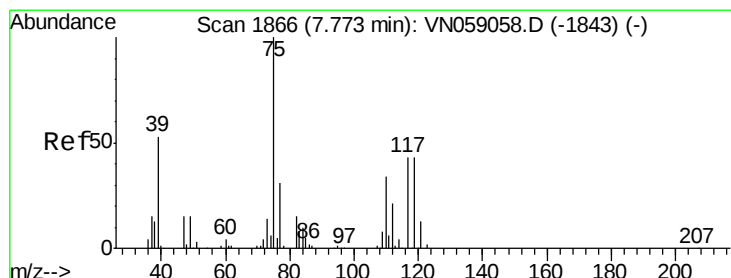
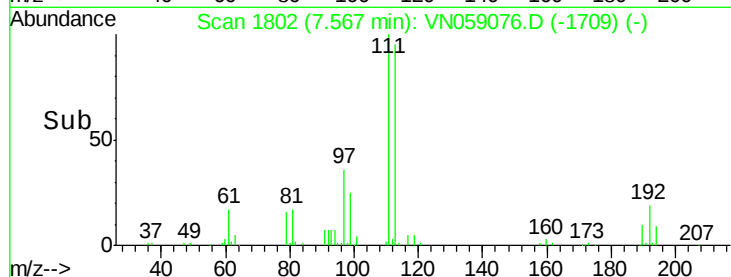
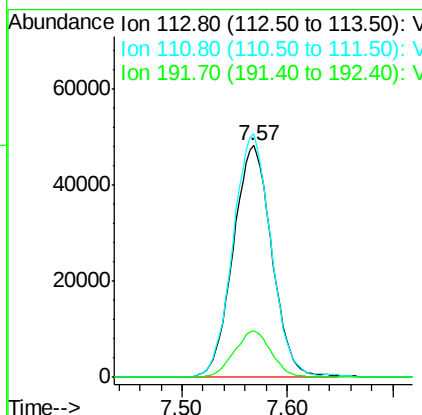
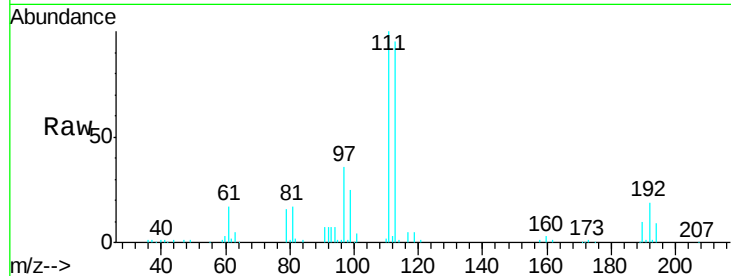
#35
 Dibromofluoromethane
 Concen: 33.935 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059076.D
 Acq: 4 Nov 2019 11:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	122568		
111	103.0	82.9	124.3	
192	19.2	15.9	23.9	

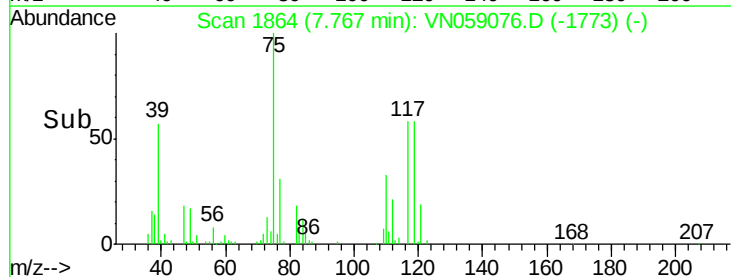
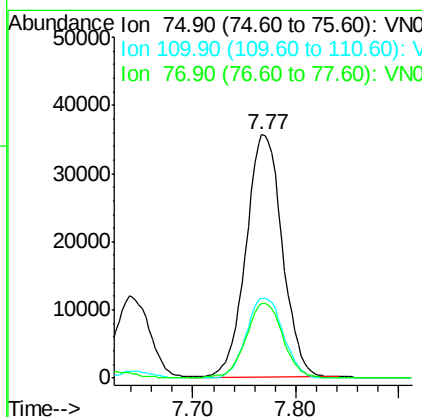
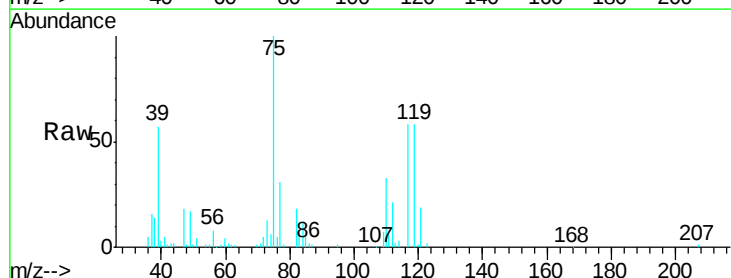
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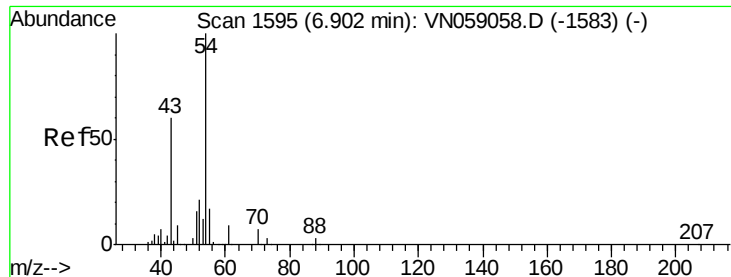
MMDadoda
 11/5/2019 2:00:02 PM



#36
 1,1-Dichloropropene
 Concen: 15.615 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. -0.01 min
 Lab File: VN059076.D
 Acq: 4 Nov 2019 11:12

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	86890		
110	33.6	16.9	50.6	
77	31.5	25.0	37.4	





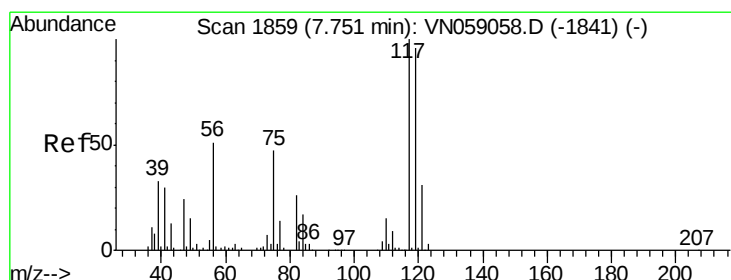
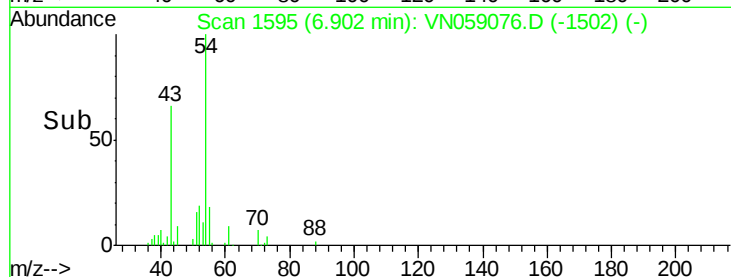
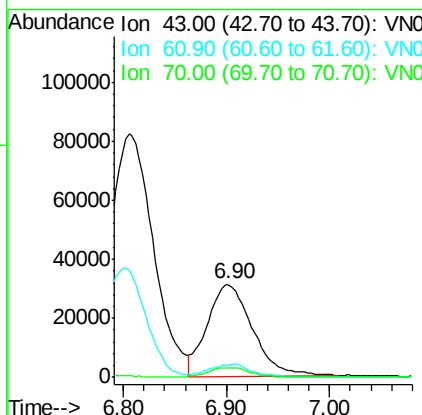
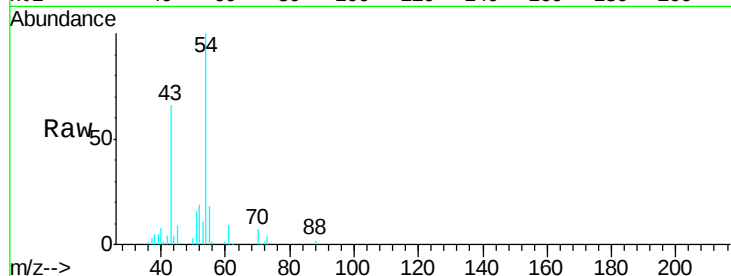
#37
Ethyl Acetate
 Concen: 15.265 ug/l
 RT: 6.90 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VN059076.D
 Acq: 4 Nov 2019 11:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	12.7	11.2	16.8
70	9.9	8.0	12.0

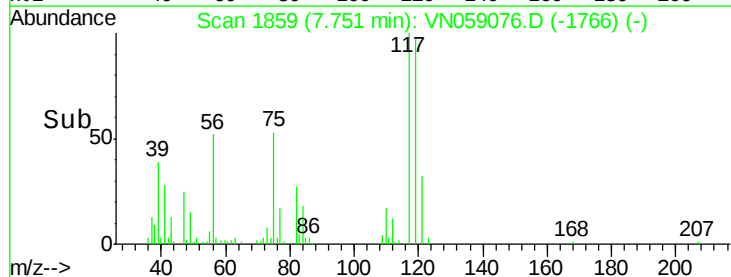
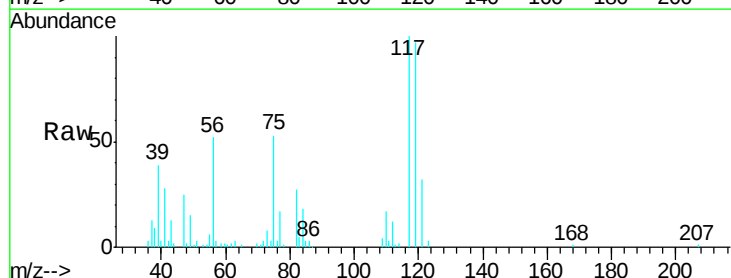
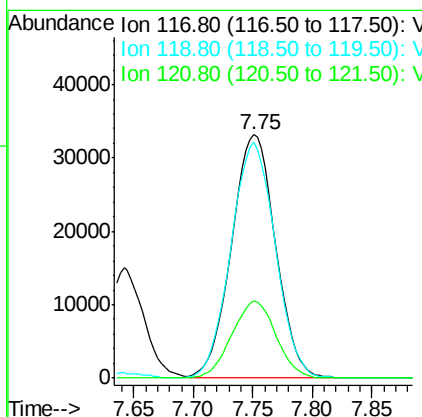
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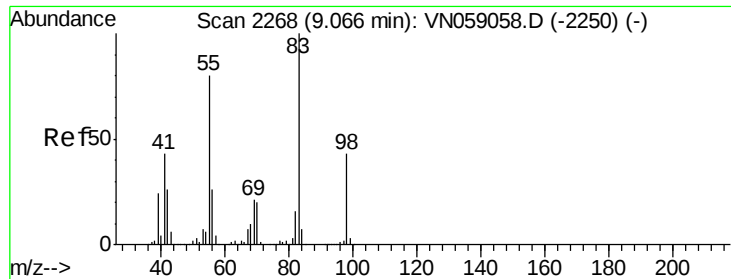
MMDadoda
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#38
Carbon Tetrachloride
 Concen: 15.687 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VN059076.D
 Acq: 4 Nov 2019 11:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	76.6	114.8
121	31.7	24.6	37.0





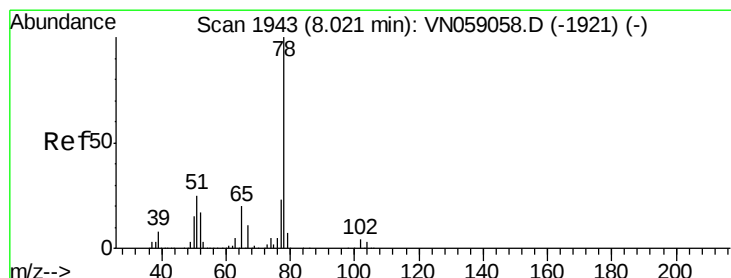
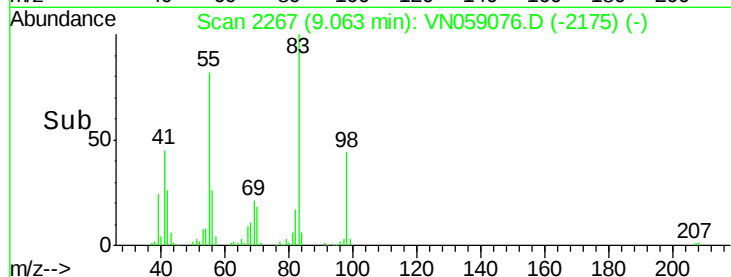
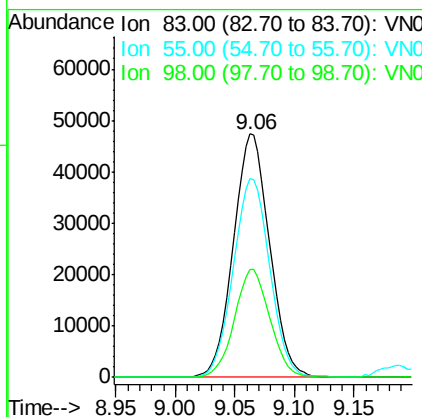
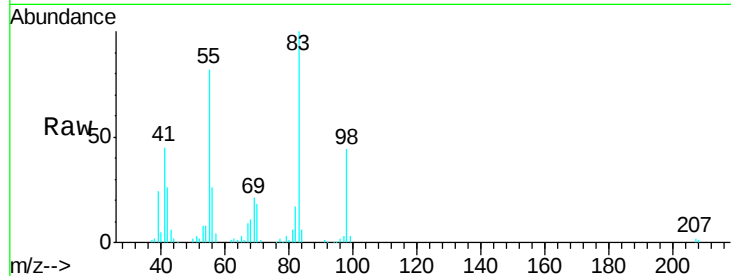
#39
Methylcyclohexane
Concen: 15.552 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059076.D
Acq: 4 Nov 2019 11:12

Instrument :
MSVOA_N
ClientSampleId :
VN1104WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	100026		
55	81.6		64.1	96.1
98	44.2		34.3	51.5

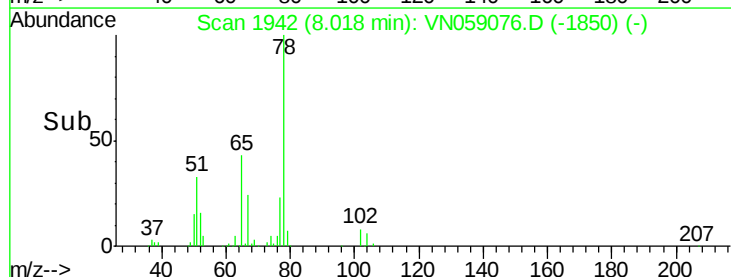
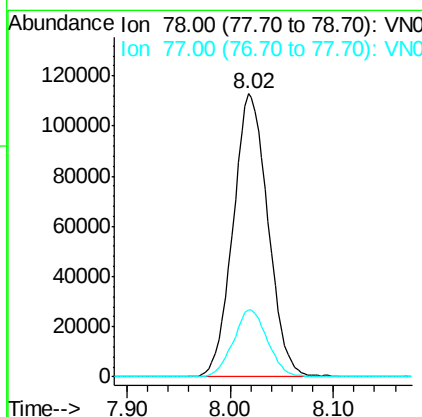
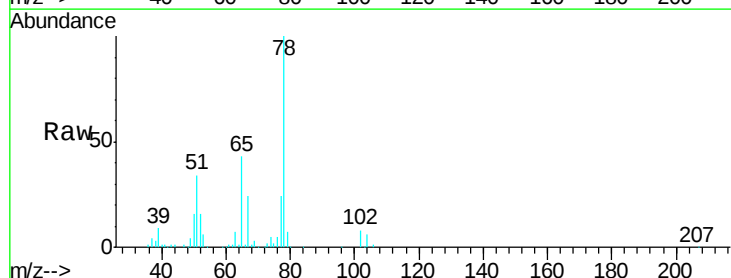
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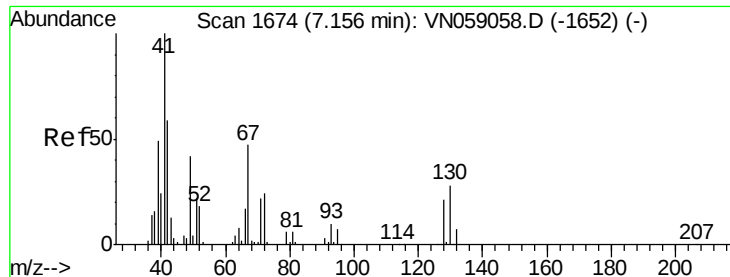
MMDadoda
11/5/2019 2:00:02 PM



#40
Benzene
Concen: 16.086 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059076.D
Acq: 4 Nov 2019 11:12

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	265638		
77	23.8		18.6	27.8





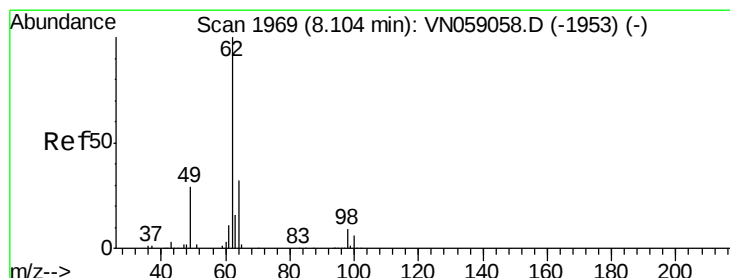
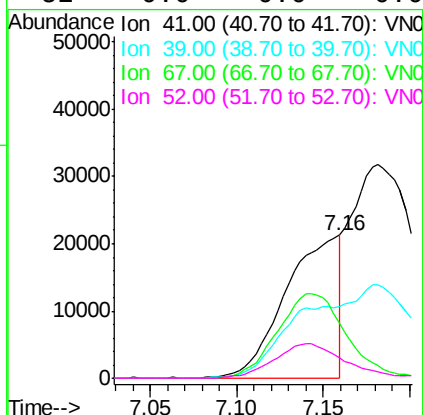
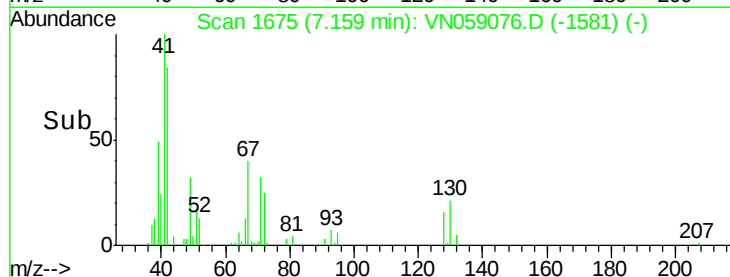
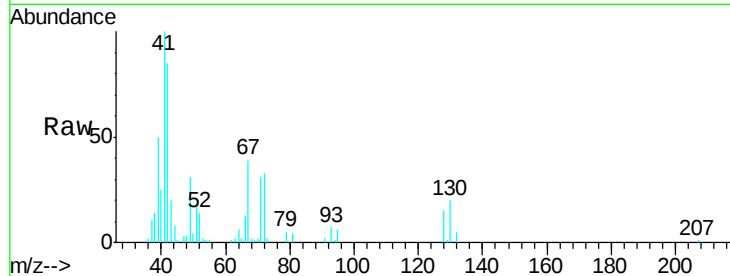
#41
Methacrylonitrile
Concen: 17.242 ug/l m
RT: 7.16 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VN059076.D
Acq: 4 Nov 2019 11:12

Instrument :
MSVOA_N
ClientSampleId :
VN1104WBS01

Tgt Ion	Ratio	Resp Lower	Upper
41	100		
39	139.8	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

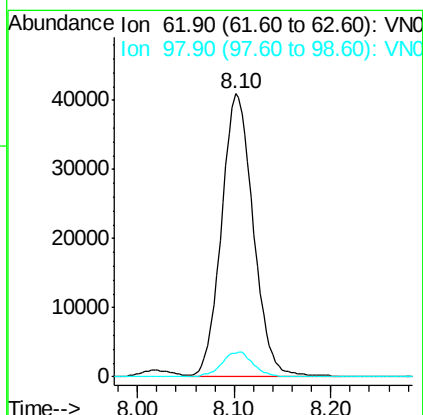
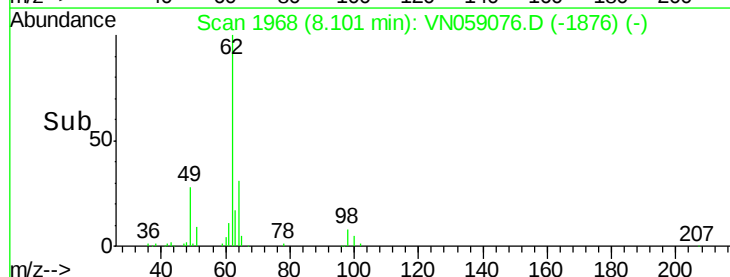
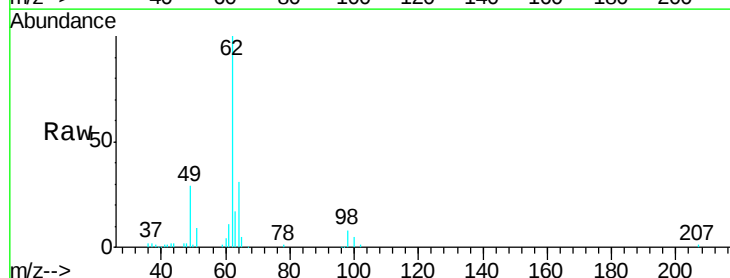
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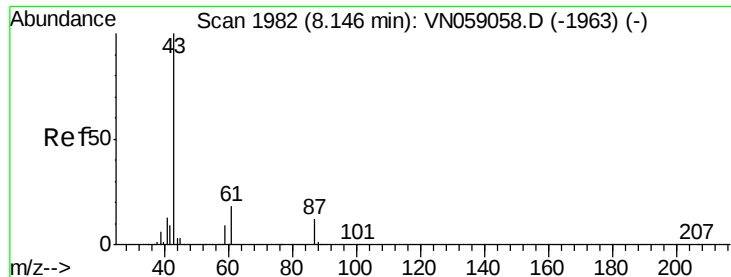
MMDadoda
11/5/2019 2:00:02 PM



#42
1,2-Dichloroethane
Concen: 16.361 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN059076.D
Acq: 4 Nov 2019 11:12

Tgt Ion	Ratio	Resp Lower	Upper
62	100		
98	8.6	0.0	18.0





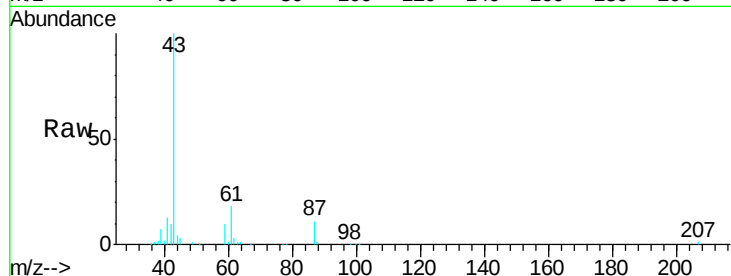
#43
Isopropyl Acetate
Concen: 14.950 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VN059076.D
Acq: 4 Nov 2019 11:12

Instrument :
MSVOA_N
ClientSampleId :
VN1104WBS01

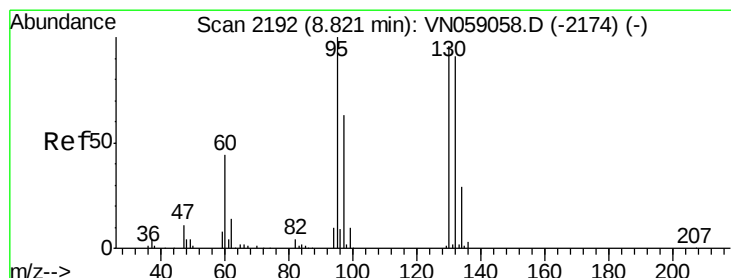
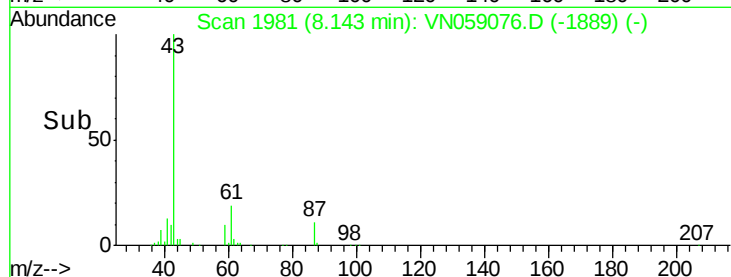
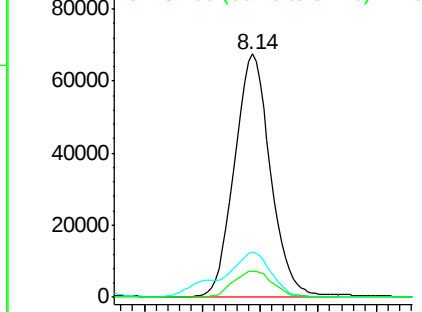
Tgt Ion	Ratio	Lower	Upper
43	100		
61	26.0	20.5	30.7
87	11.9	9.8	14.8

Manual Integrations
APPROVED

MMDadoda
11/5/2019 2:00:02 PM

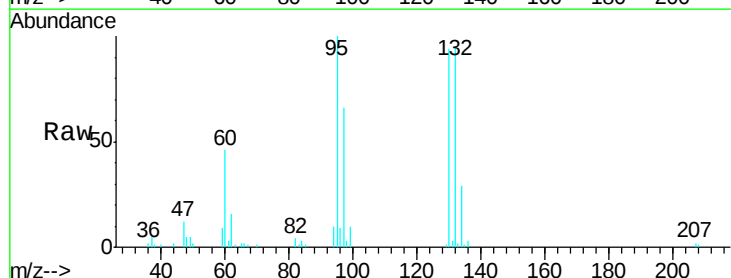


Abundance Ion 43.00 (42.70 to 43.70): VN059058.D (-1963) (-)

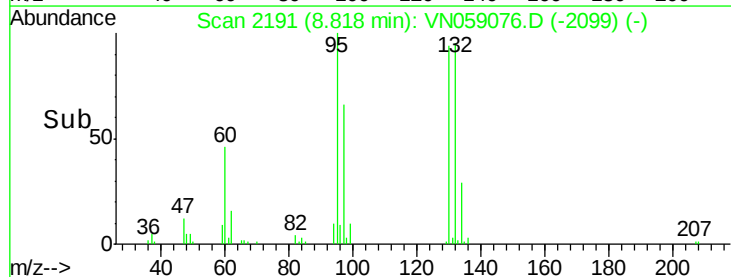
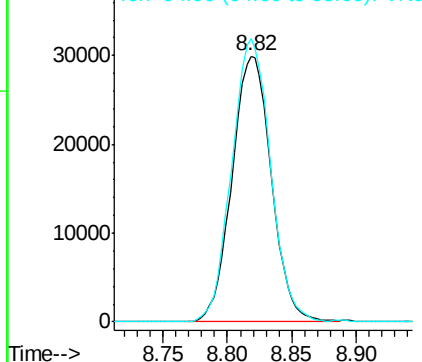


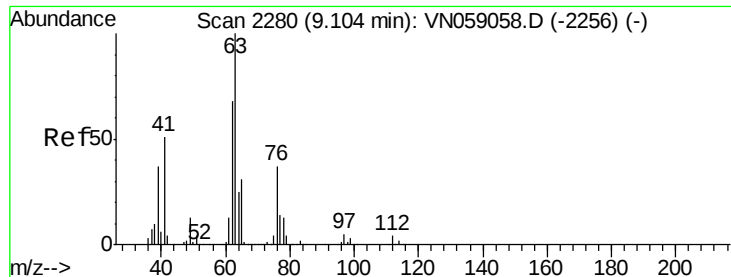
#44
Trichloroethene
Concen: 15.607 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN059076.D
Acq: 4 Nov 2019 11:12

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.4	0.0	207.6



Abundance Ion 129.80 (129.50 to 130.50): VN059058.D (-2174) (-)





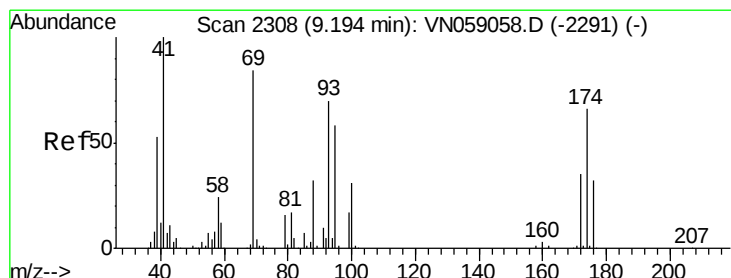
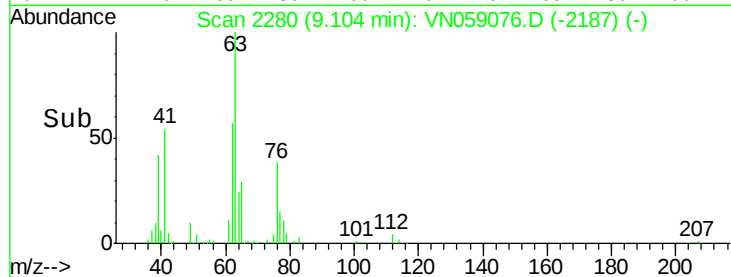
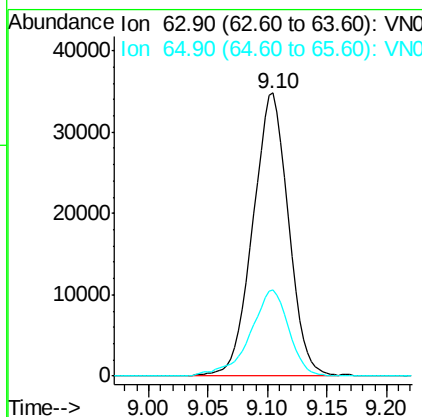
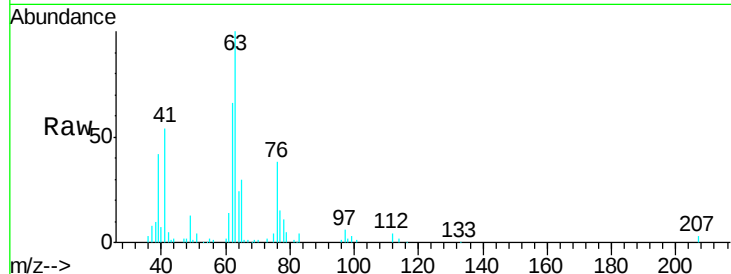
#45
 1,2-Dichloropropane
 Concen: 16.142 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. 0.00 min
 Lab File: VN059076.D
 Acq: 4 Nov 2019 11:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104WBS01

Tgt Ion: 63 Resp: 72090
 Ion Ratio Lower Upper
 63 100
 65 30.4 25.0 37.6

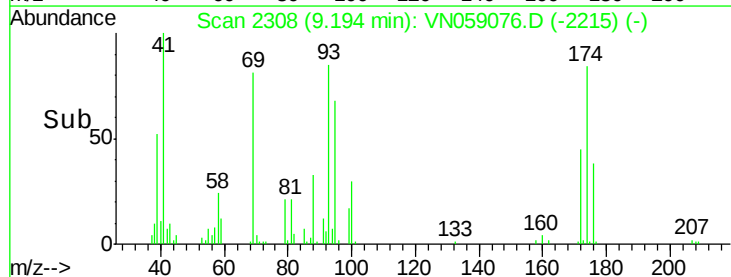
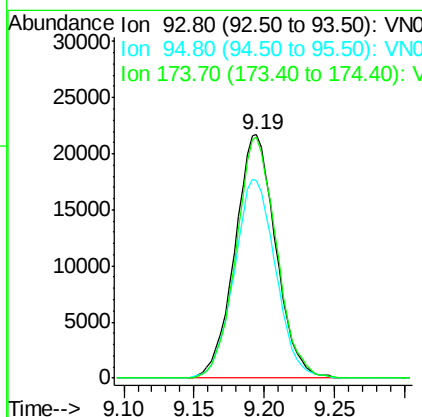
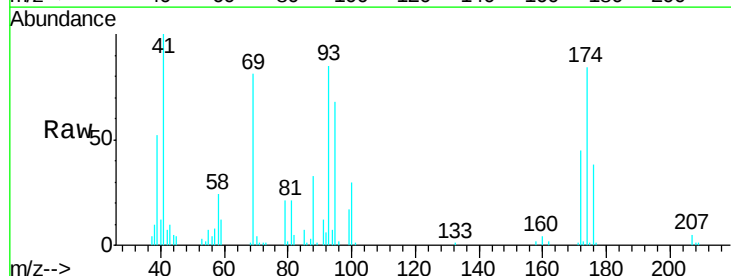
Manual Integrations
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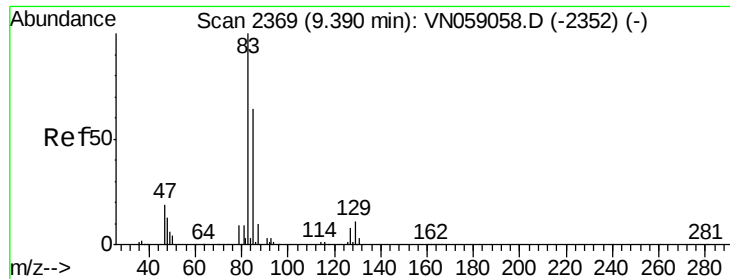
MMDadoda
 11/5/2019 2:00:02 PM



#46
 Dibromomethane
 Concen: 15.929 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN059076.D
 Acq: 4 Nov 2019 11:12

Tgt Ion: 93 Resp: 43969
 Ion Ratio Lower Upper
 93 100
 95 82.7 67.2 100.8
 174 97.7 78.3 117.5





#47

Bromodichloromethane

Concen: 15.780 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

Instrument :

MSVOA_N

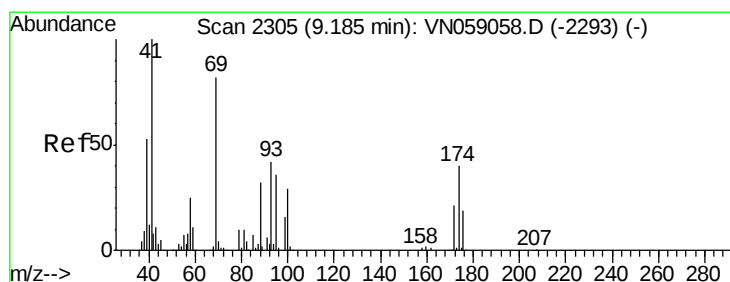
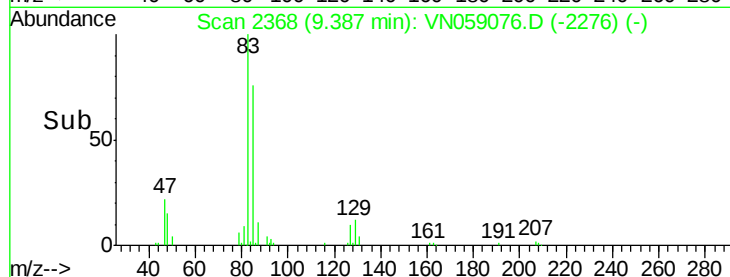
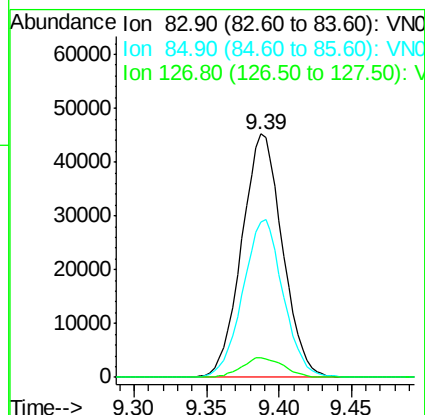
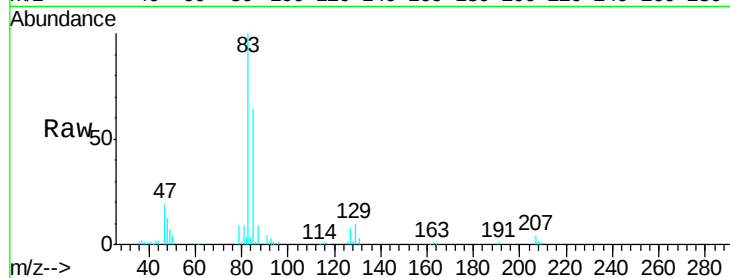
ClientSampleId :

VN1104WBS01

Tgt Ion:	83	Resp:	88211
Ion Ratio	Lower	Upper	
83	100		
85	63.9	51.2	76.8
127	8.0	6.5	9.7

Manual Integrations
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MMDadoda
11/5/2019 2:00:02 PM



#48

Methyl methacrylate

Concen: 14.819 ug/l

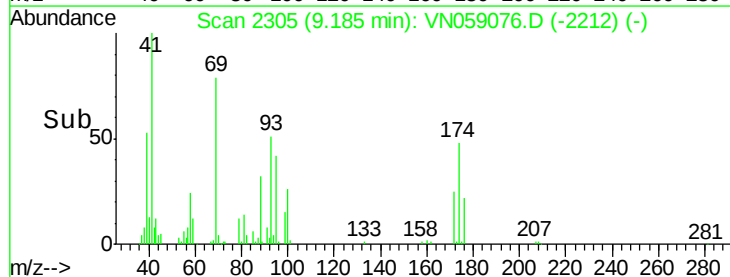
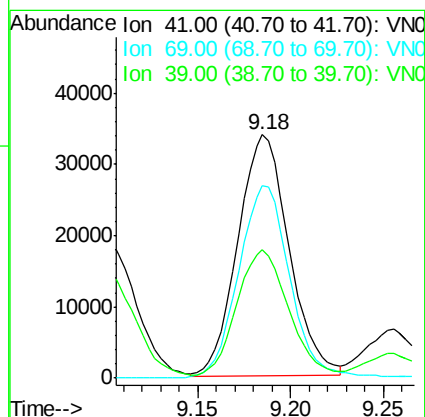
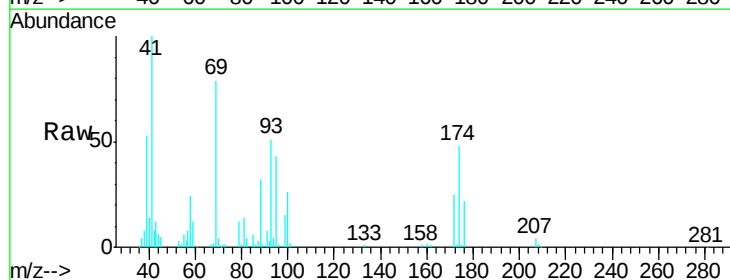
RT: 9.18 min Scan# 2305

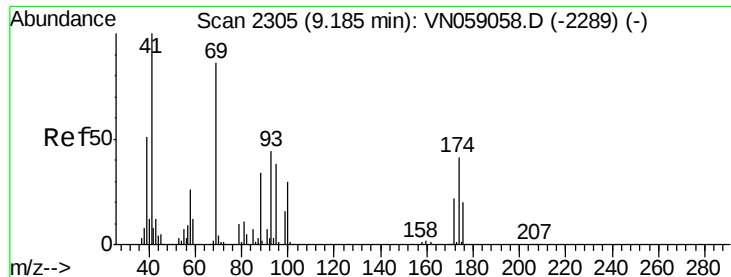
Delta R.T. 0.00 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

Tgt Ion:	41	Resp:	65328
Ion Ratio	Lower	Upper	
41	100		
69	79.7	67.1	100.7
39	52.9	43.3	64.9





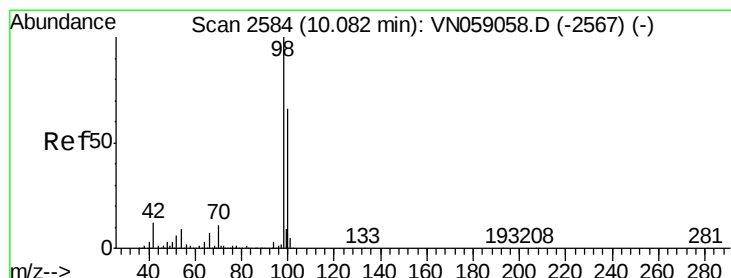
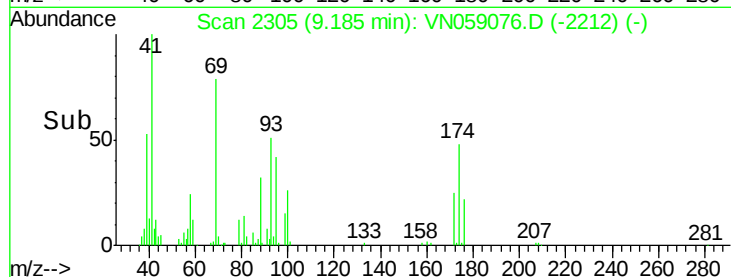
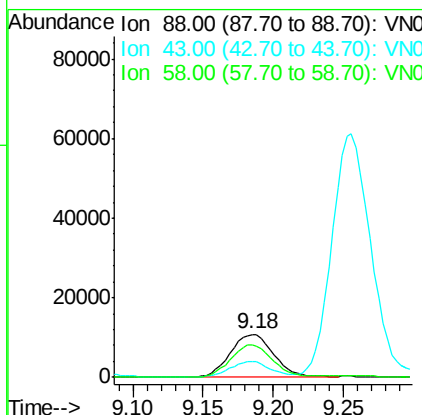
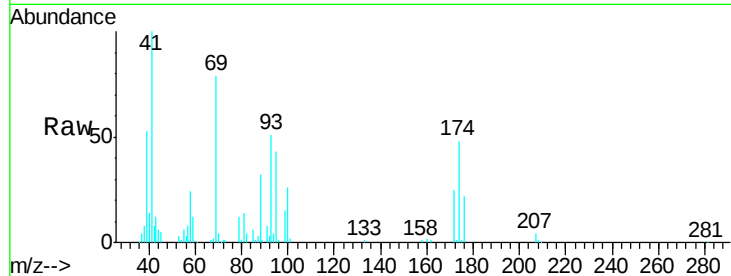
#49
1,4-Dioxane
Concen: 324.586 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. 0.00 min
Lab File: VN059076.D
Acq: 4 Nov 2019 11:12

Instrument :
MSVOA_N
ClientSampleId :
VN1104WBS01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	35.1	26.2	39.2
58	72.8	59.1	88.7

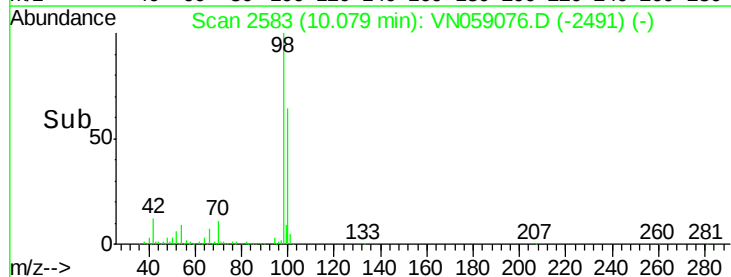
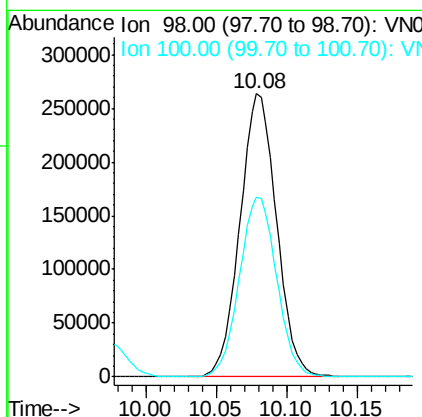
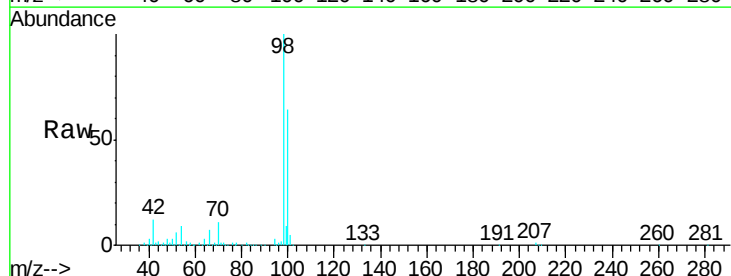
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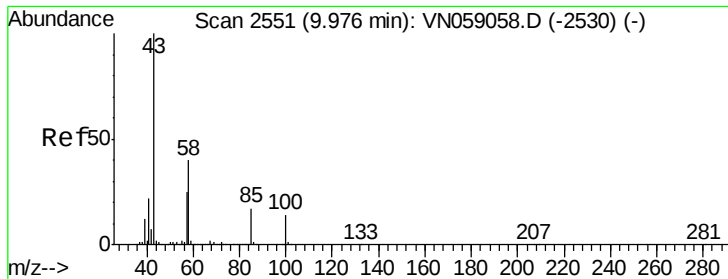
MMDadoda
11/5/2019 2:00:02 PM



#50
Toluene-d8
Concen: 34.117 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059076.D
Acq: 4 Nov 2019 11:12

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.7	77.5





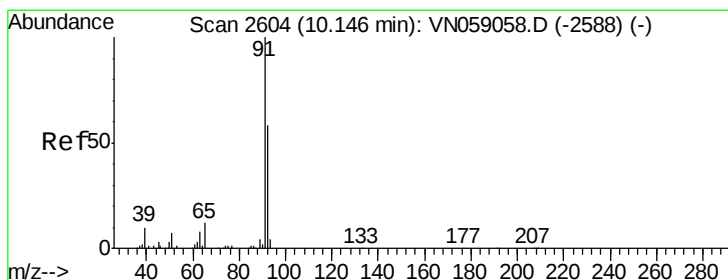
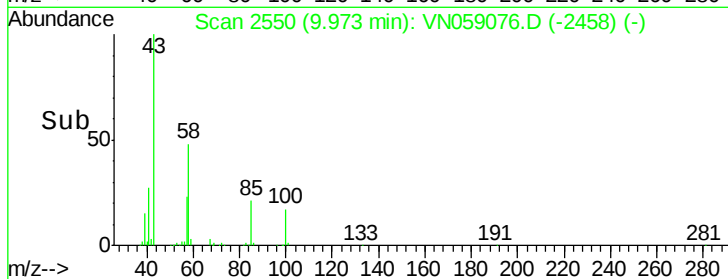
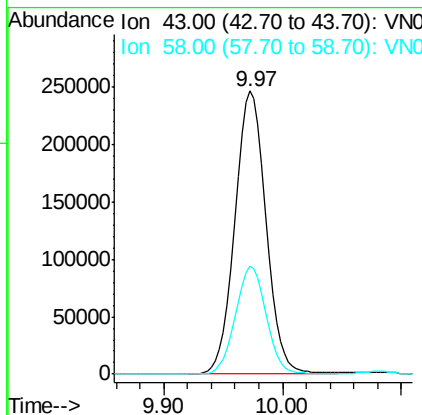
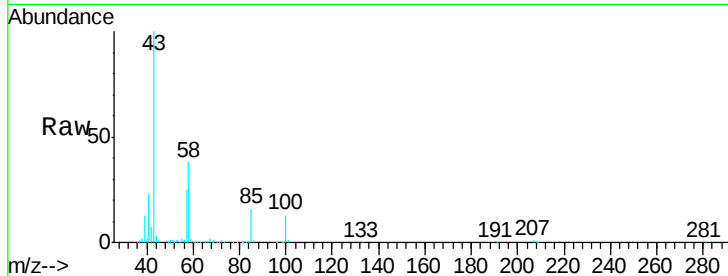
#51
 4-Methyl-2-Pentanone
 Concen: 79.576 ug/l
 RT: 9.97 min Scan# 2550
 Delta R.T. -0.00 min
 Lab File: VN059076.D
 Acq: 4 Nov 2019 11:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104WBS01

Tgt Ion: 43 Resp: 446953
 Ion Ratio Lower Upper
 43 100
 58 37.6 31.8 47.6

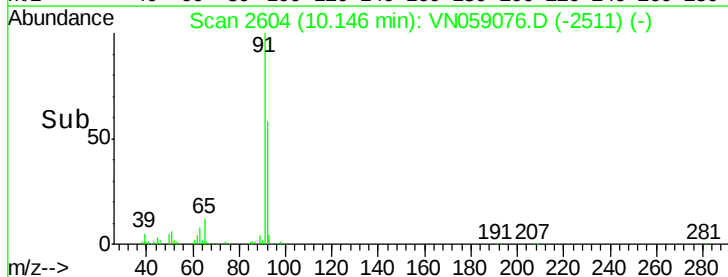
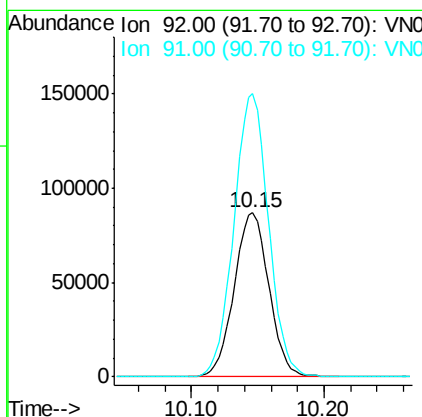
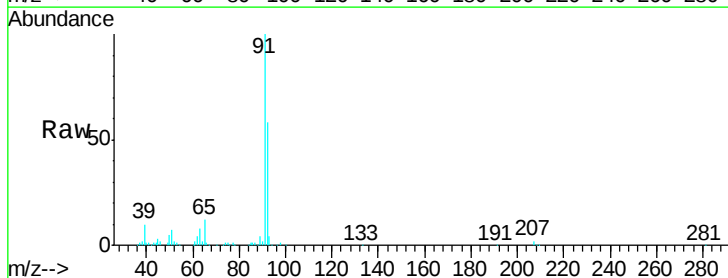
Manual Integrations
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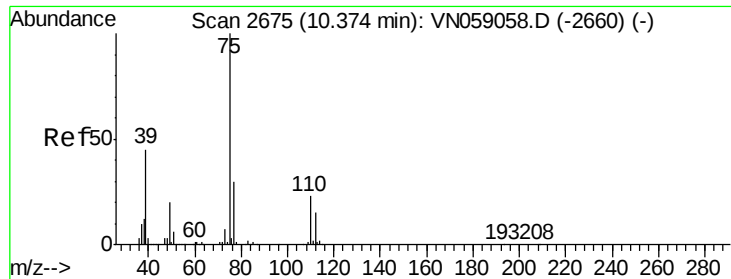
MMDadoda
 11/5/2019 2:00:02 PM



#52
 Toluene
 Concen: 16.361 ug/l
 RT: 10.15 min Scan# 2604
 Delta R.T. 0.00 min
 Lab File: VN059076.D
 Acq: 4 Nov 2019 11:12

Tgt Ion: 92 Resp: 158308
 Ion Ratio Lower Upper
 92 100
 91 172.2 138.7 208.1





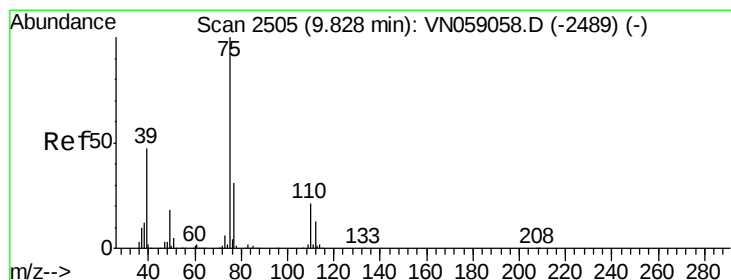
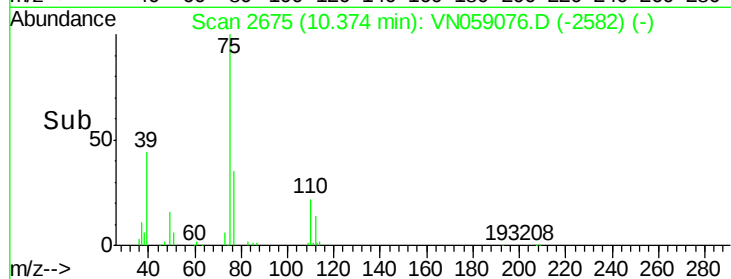
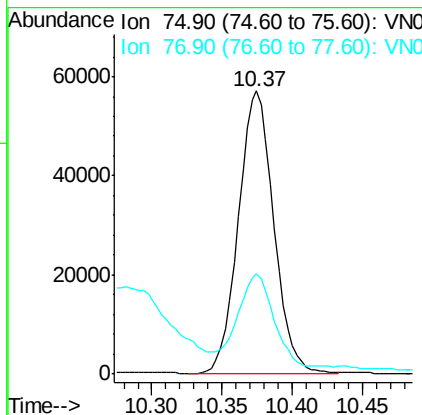
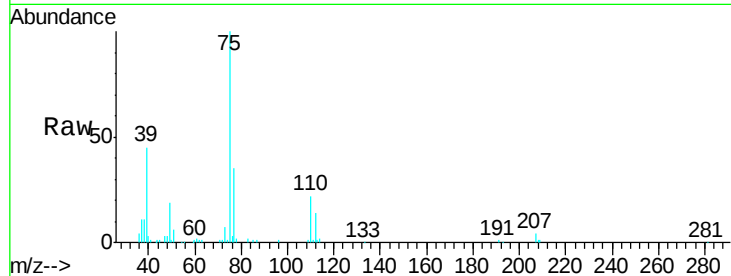
#53
t-1,3-Dichloropropene
Concen: 15.376 ug/l
RT: 10.37 min Scan# 2675
Delta R.T. 0.00 min
Lab File: VN059076.D
Acq: 4 Nov 2019 11:12

Instrument :
MSVOA_N
ClientSampleId :
VN1104WBS01

Tgt Ion: 75 Resp: 99388
Ion Ratio Lower Upper
75 100
77 32.8 25.6 38.4

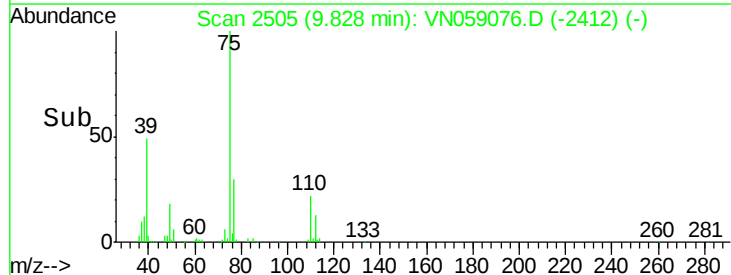
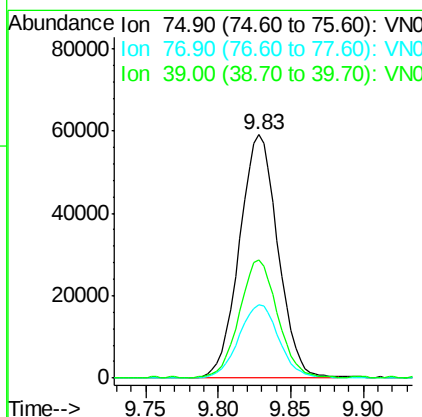
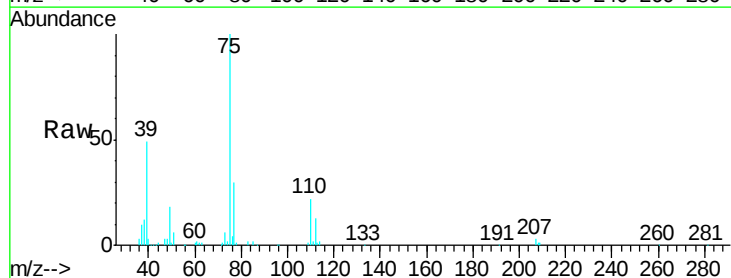
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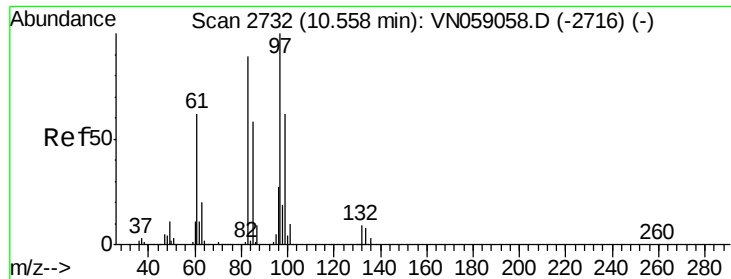
MMDadoda
11/5/2019 2:00:02 PM



#54
cis-1,3-Dichloropropene
Concen: 16.022 ug/l
RT: 9.83 min Scan# 2505
Delta R.T. 0.00 min
Lab File: VN059076.D
Acq: 4 Nov 2019 11:12

Tgt Ion: 75 Resp: 109236
Ion Ratio Lower Upper
75 100
77 30.0 24.6 37.0
39 48.3 37.4 56.2





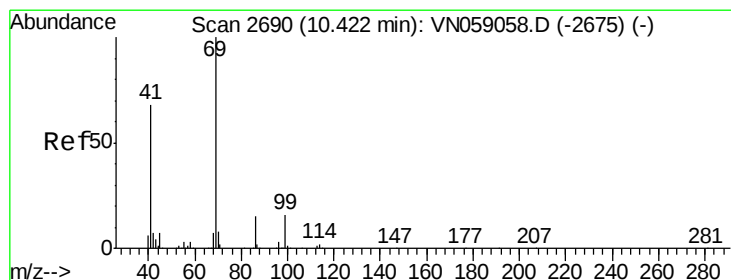
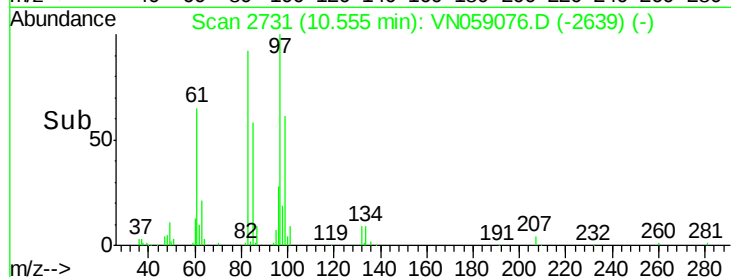
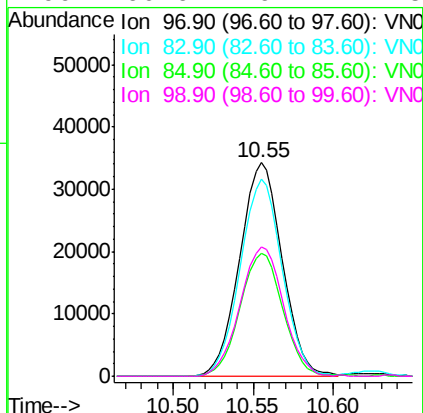
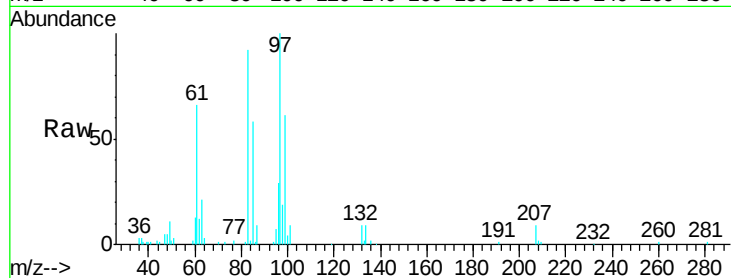
#55
 1,1,2-Trichloroethane
 Concen: 15.777 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059076.D
 Acq: 4 Nov 2019 11:12

Instrument :
 MSVOA_N
 ClientSampled :
 VN1104WBS01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	92.2	71.4	107.2
85	57.6	46.6	70.0
99	60.6	49.7	74.5

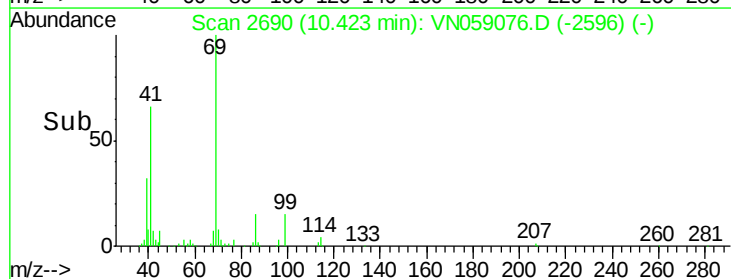
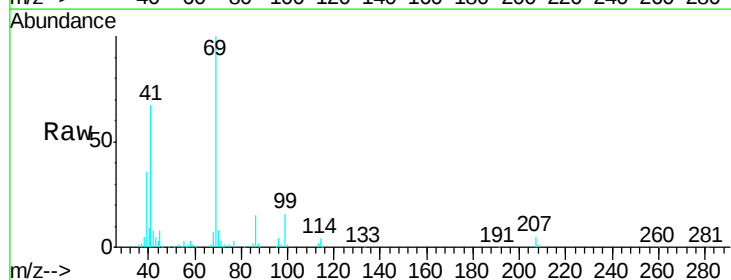
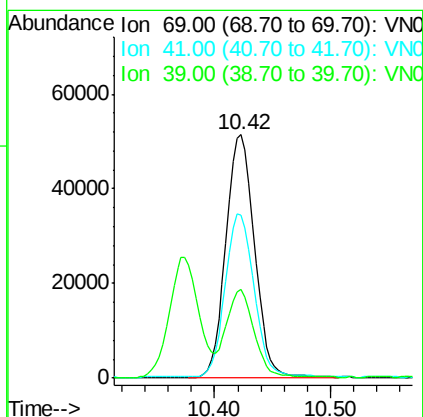
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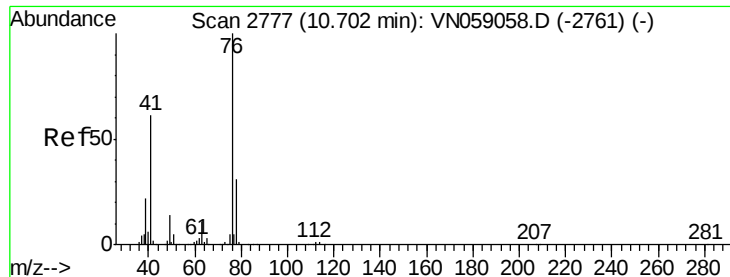
MMDadoda
 11/5/2019 2:00:02 PM



#56
 Ethyl methacrylate
 Concen: 14.573 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059076.D
 Acq: 4 Nov 2019 11:12

Tgt Ion	Ratio	Lower	Upper
69	100		
41	66.9	53.8	80.8
39	34.3	26.2	39.2





#57

1,3-Dichloropropane

Concen: 15.897 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

Instrument :

MSVOA_N

ClientSampleId :

VN1104WBS01

Tgt Ion: 76 Resp: 108974

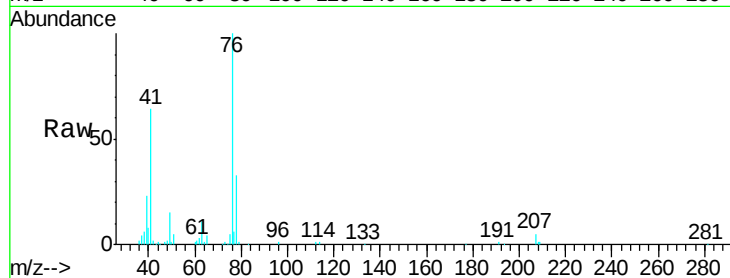
Ion Ratio Lower Upper

76 100

78 32.9 25.8 38.6

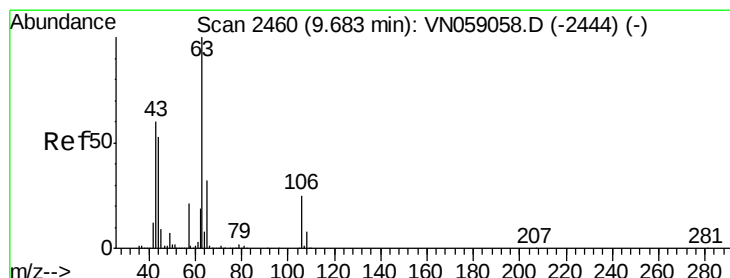
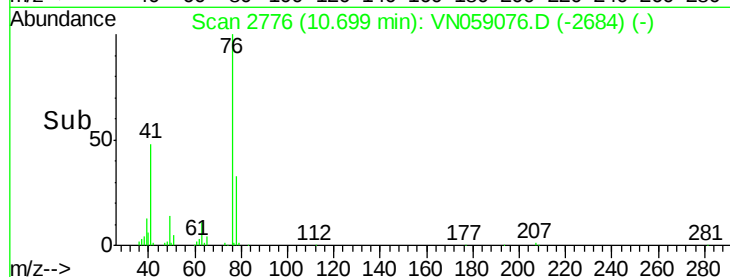
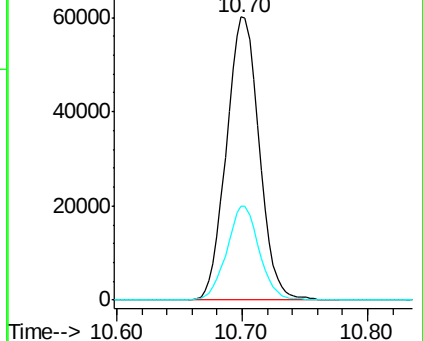
Manual Integrations
APPROVED

MMDadoda
11/5/2019 2:00:02 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 70.933 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059076.D

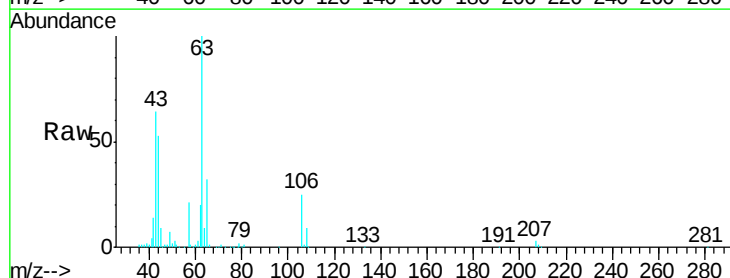
Acq: 4 Nov 2019 11:12

Tgt Ion: 63 Resp: 161766

Ion Ratio Lower Upper

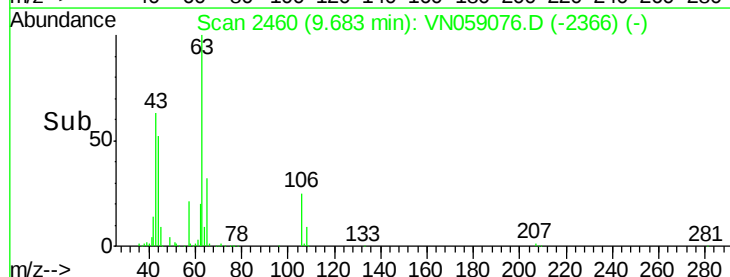
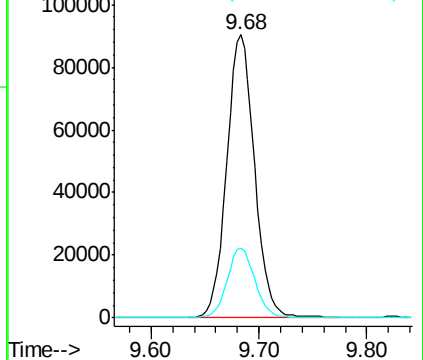
63 100

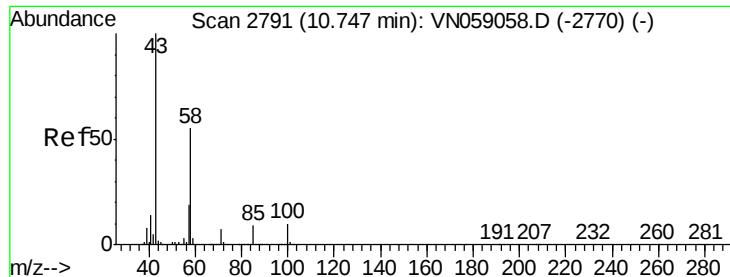
106 24.6 19.8 29.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





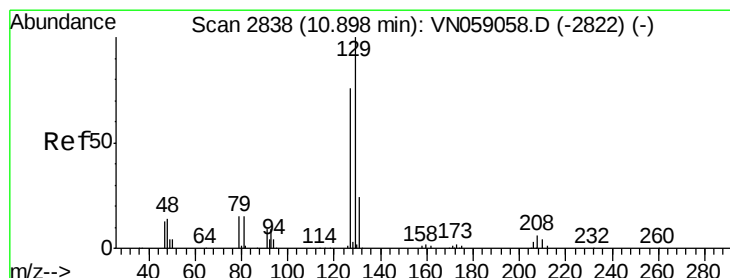
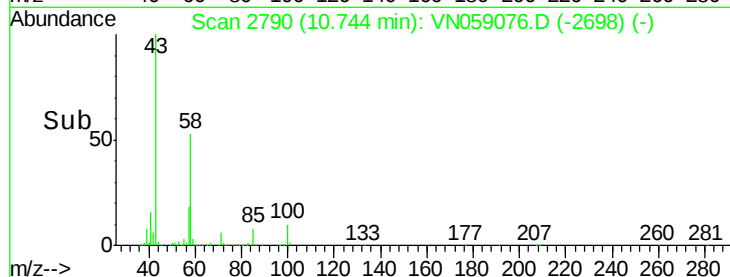
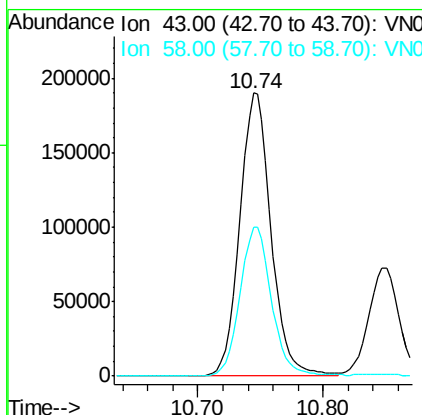
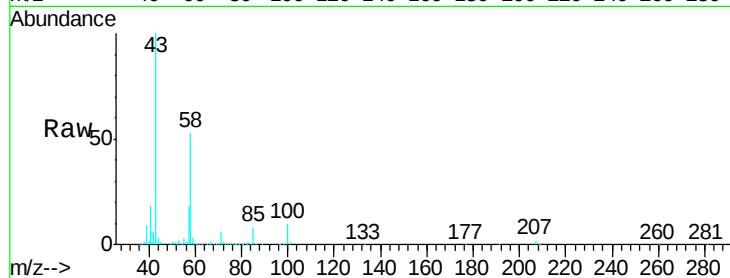
#59
2-Hexanone
Concen: 76.994 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059076.D
Acq: 4 Nov 2019 11:12

Instrument :
MSVOA_N
ClientSampleId :
VN1104WBS01

Tgt Ion: 43 Resp: 328531
Ion Ratio Lower Upper
43 100
58 53.4 27.4 82.2

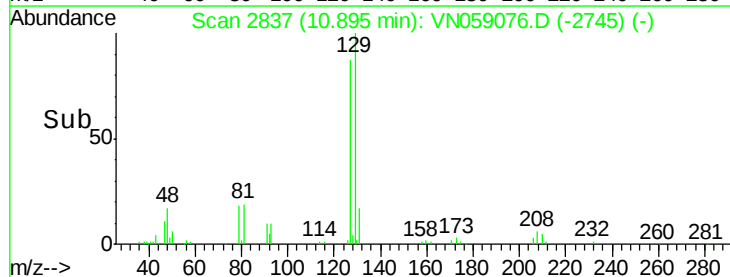
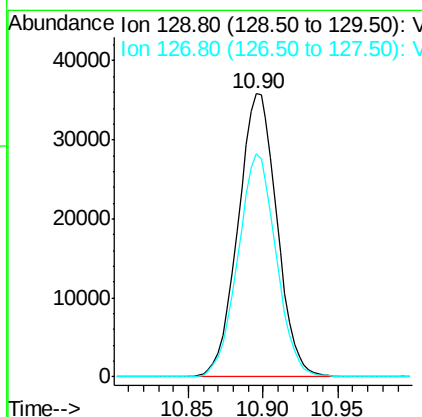
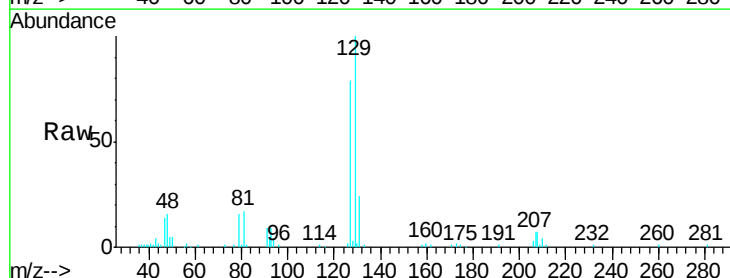
Manual Integrations
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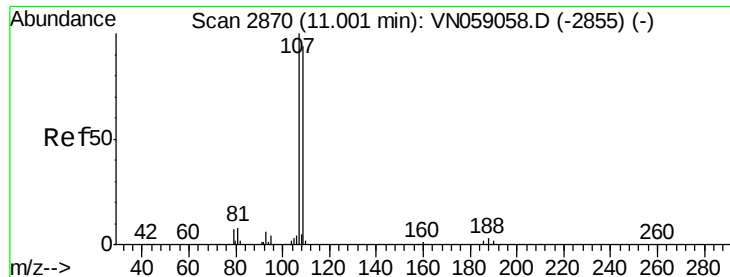
MMDadoda
11/5/2019 2:00:02 PM



#60
Dibromochloromethane
Concen: 15.237 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059076.D
Acq: 4 Nov 2019 11:12

Tgt Ion: 129 Resp: 64727
Ion Ratio Lower Upper
129 100
127 77.3 38.3 114.8





#61

1,2-Dibromoethane

Concen: 15.913 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

Instrument :

MSVOA_N

ClientSampleId :

VN1104WBS01

Tgt Ion: 107 Resp: 63541

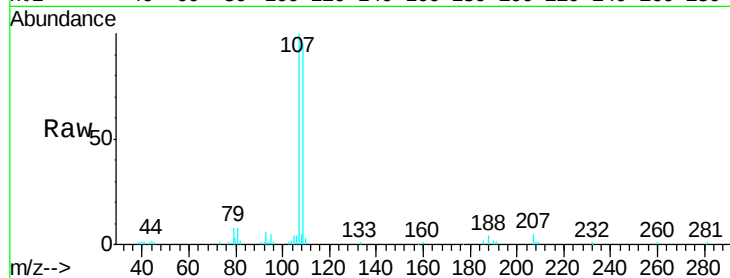
Ion Ratio Lower Upper

107 100

109 93.2 75.5 113.3

Manual Integrations
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

40000

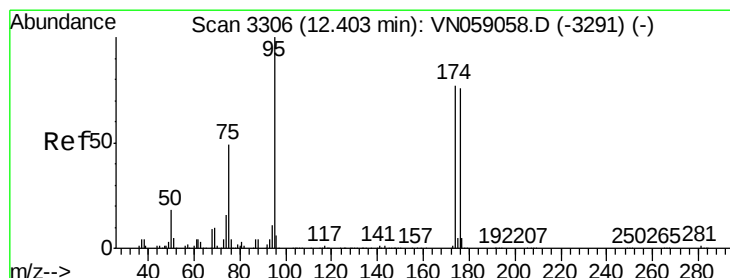
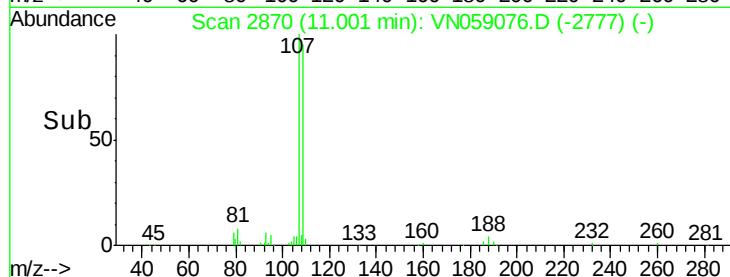
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 33.166 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

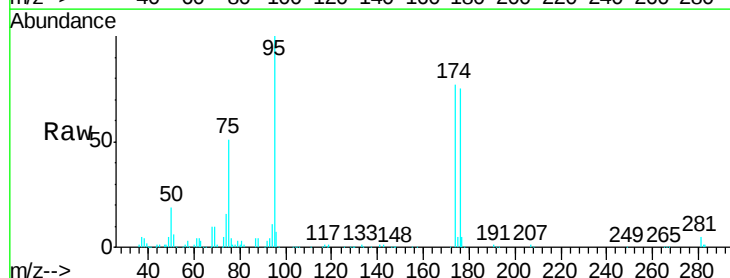
Tgt Ion: 95 Resp: 167652

Ion Ratio Lower Upper

95 100

174 77.0 0.0 155.8

176 74.1 0.0 151.6



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

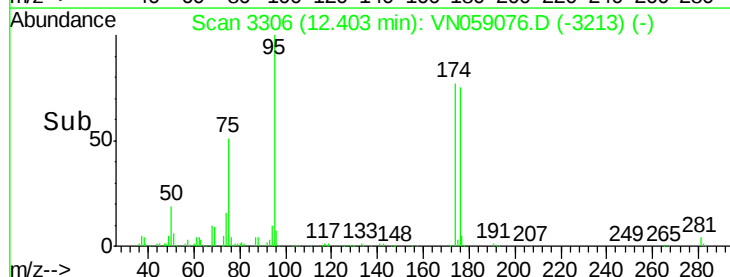
12.40

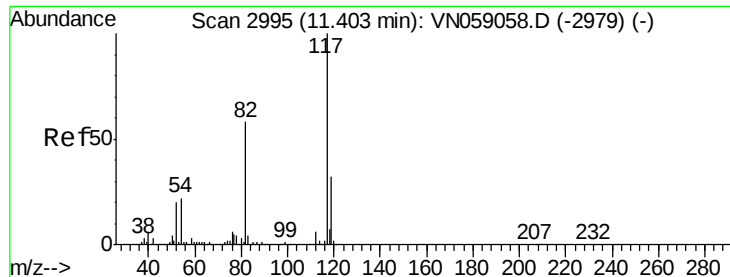
100000

50000

0

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. 0.00 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

Instrument :

MSVOA_N

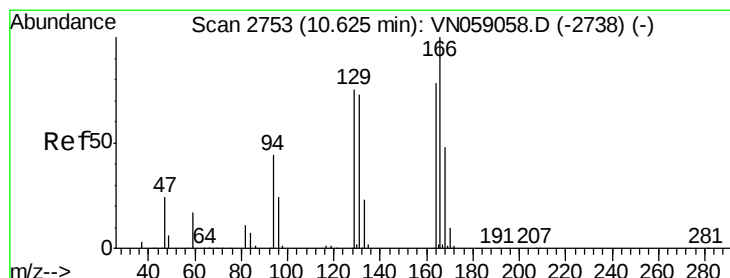
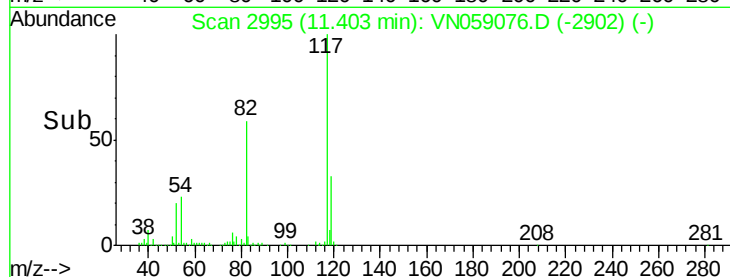
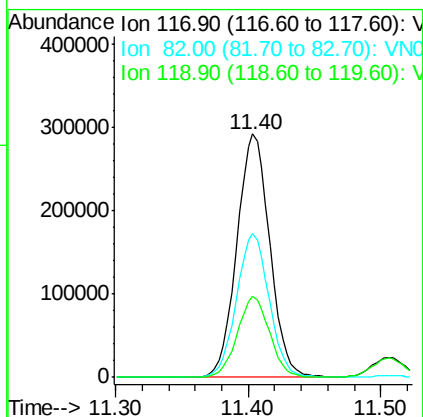
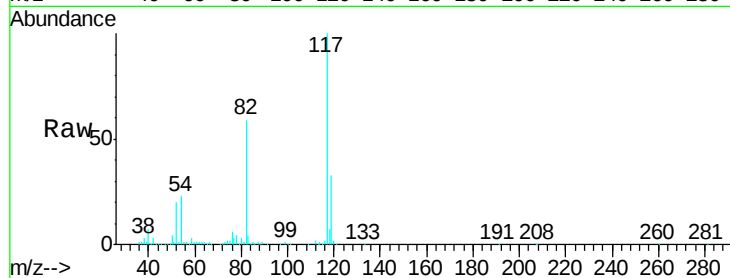
ClientSampleId :

VN1104WBS01

Tgt Ion:	117	Resp:	504277
Ion Ratio		Lower	Upper
117	100		
82	58.9	46.0	69.0
119	33.0	25.6	38.4

Manual Integrations
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#64

Tetrachloroethene

Concen: 16.384 ug/l

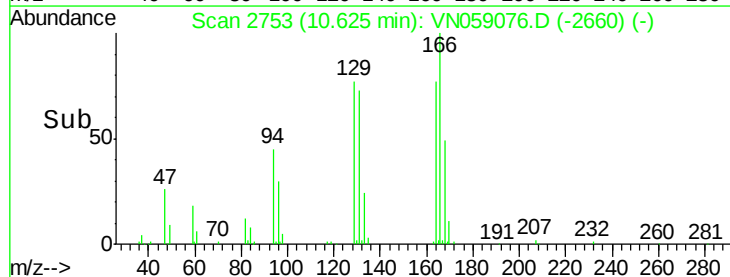
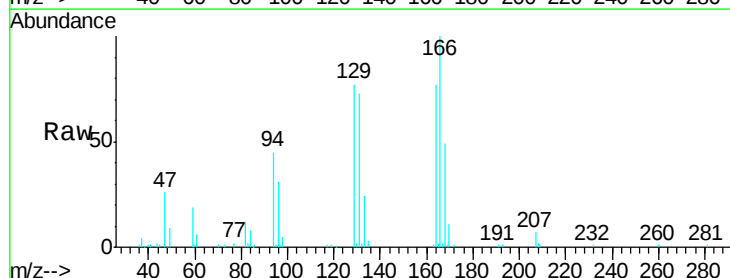
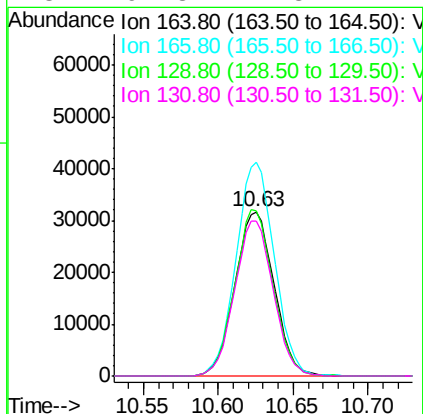
RT: 10.63 min Scan# 2753

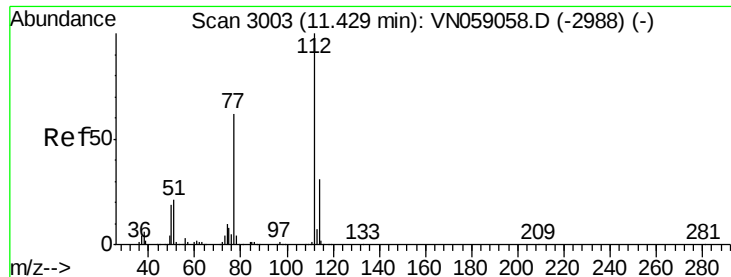
Delta R.T. 0.00 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

Tgt Ion:	164	Resp:	57716
Ion Ratio		Lower	Upper
164	100		
166	129.9	102.7	154.1
129	100.4	77.3	115.9
131	94.3	74.8	112.2





#65

Chlorobenzene

Concen: 16.140 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. 0.00 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

Instrument :

MSVOA_N

ClientSampled :

VN1104WBS01

Tgt Ion:112 Resp: 167045

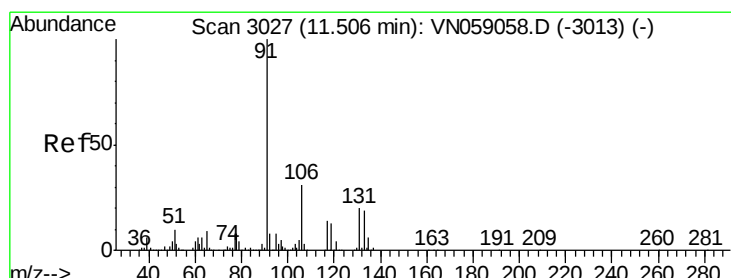
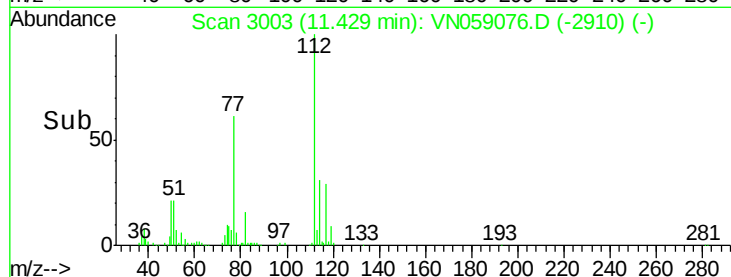
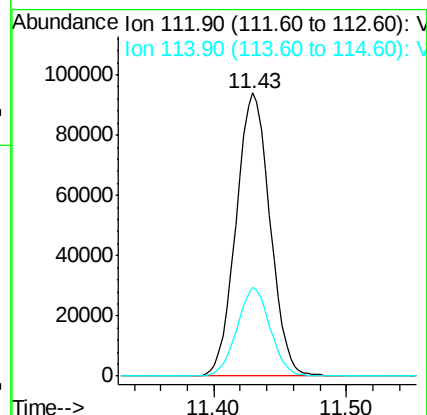
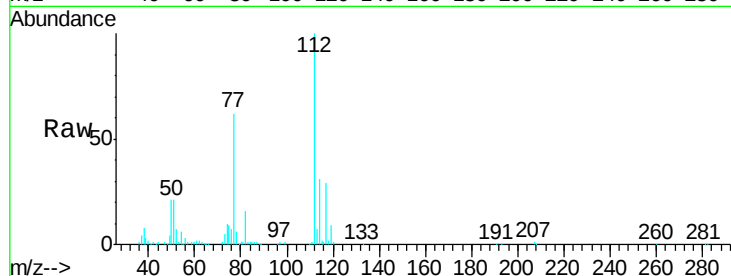
Ion Ratio Lower Upper

112 100

114 31.4 25.0 37.6

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 16.506 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

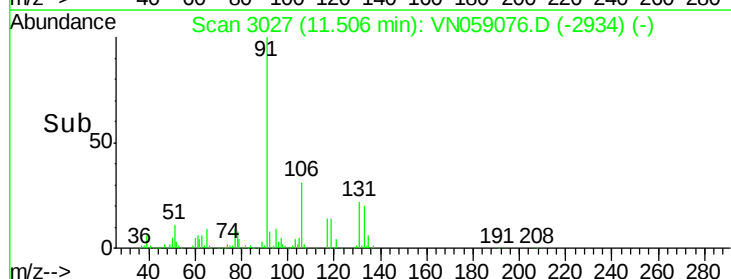
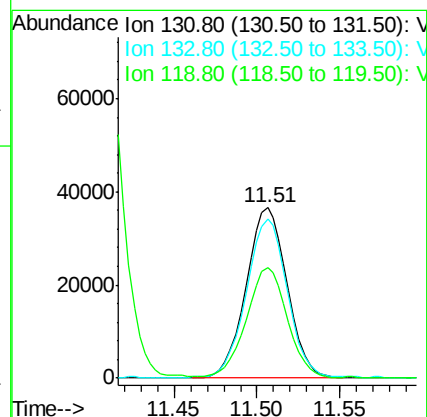
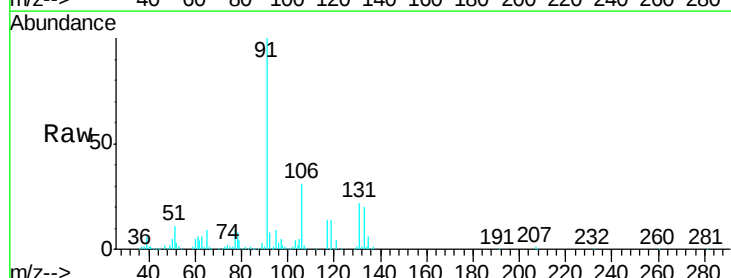
Tgt Ion:131 Resp: 62852

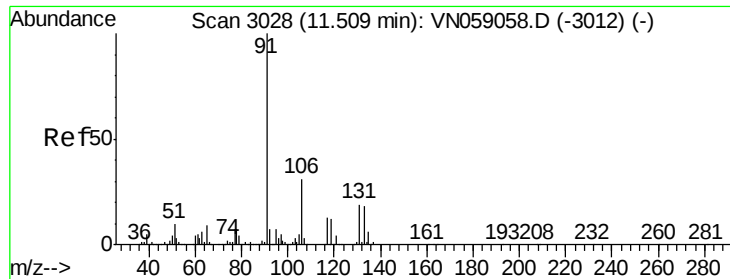
Ion Ratio Lower Upper

131 100

133 93.9 47.9 143.6

119 65.3 33.5 100.5





#67

Ethyl Benzene

Concen: 16.002 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

Instrument :

MSVOA_N

ClientSampled :

VN1104WBS01

Tgt Ion: 91 Resp: 286705

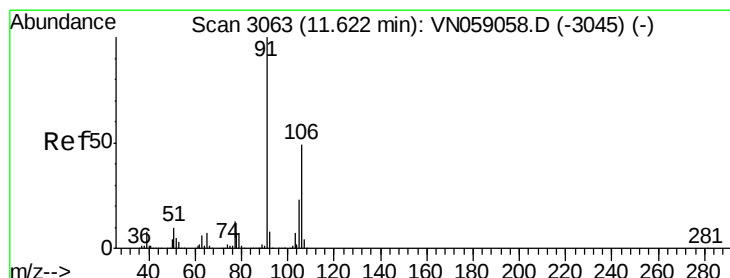
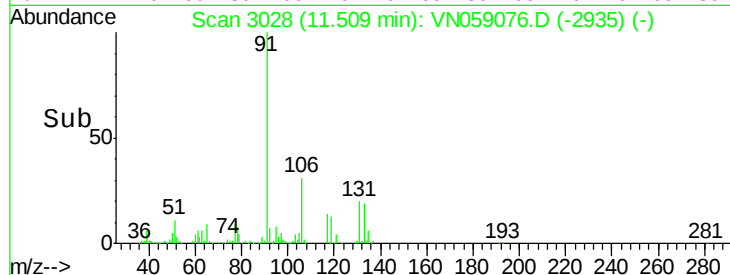
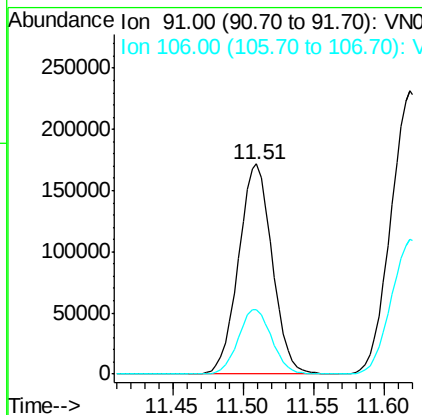
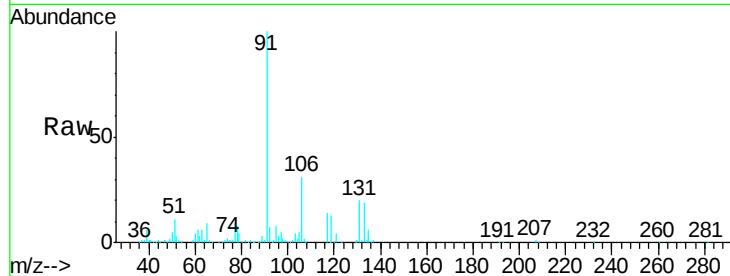
Ion Ratio Lower Upper

91 100

106 30.7 24.6 36.8

Manual Integrations
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11/5/2019 2:00:02 PM



#68

m/p-Xylenes

Concen: 31.980 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059076.D

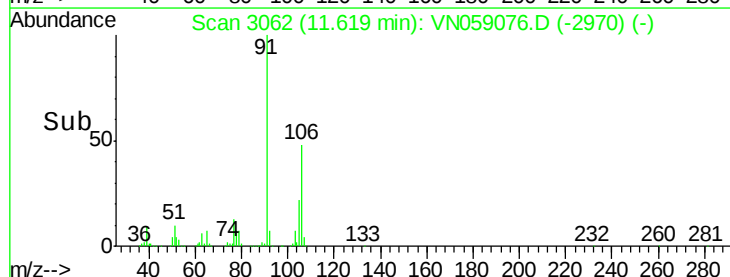
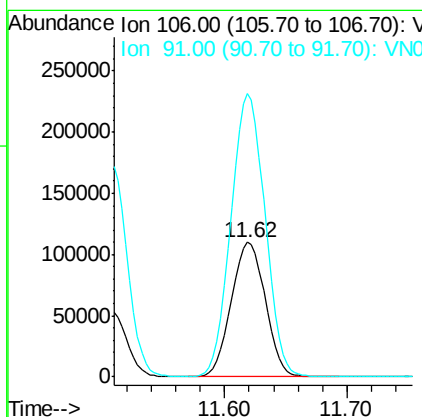
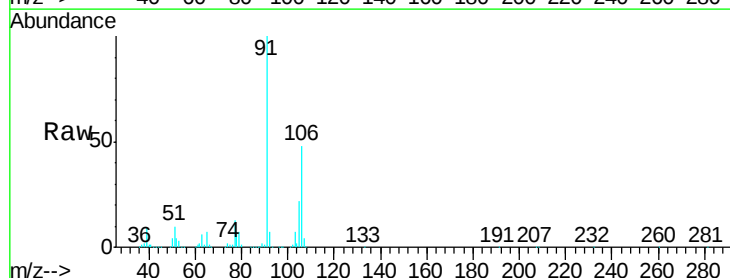
Acq: 4 Nov 2019 11:12

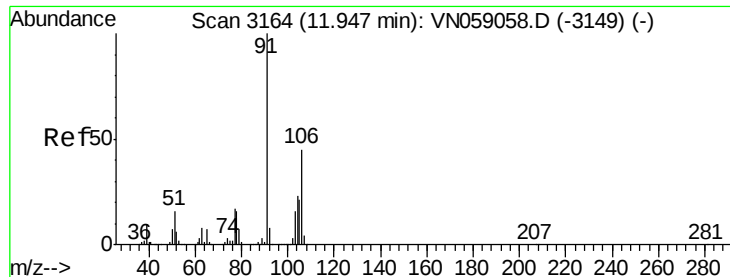
Tgt Ion: 106 Resp: 213953

Ion Ratio Lower Upper

106 100

91 209.6 165.7 248.5





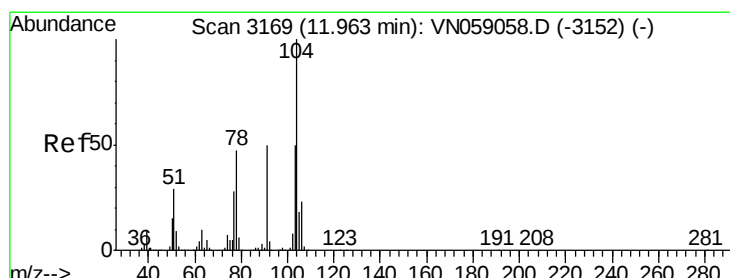
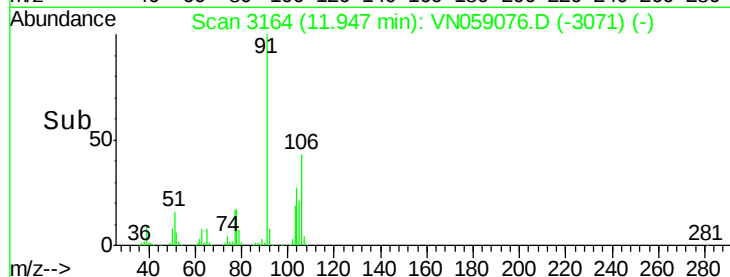
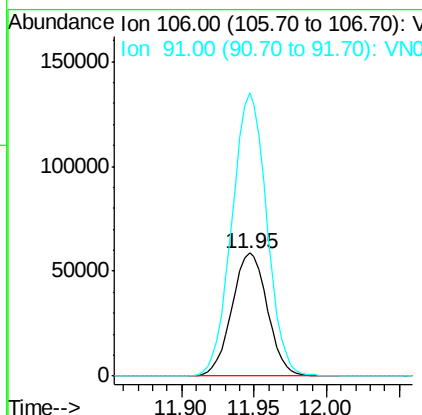
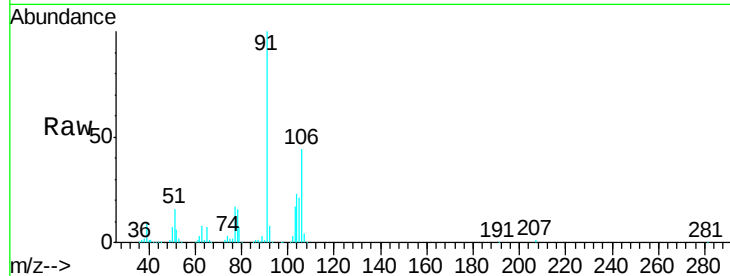
#69
o-Xylene
Concen: 15.632 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059076.D
Acq: 4 Nov 2019 11:12

Instrument :
MSVOA_N
ClientSampled :
VN1104WBS01

Tgt Ion:106 Resp: 99864
Ion Ratio Lower Upper
106 100
91 226.2 110.4 331.2

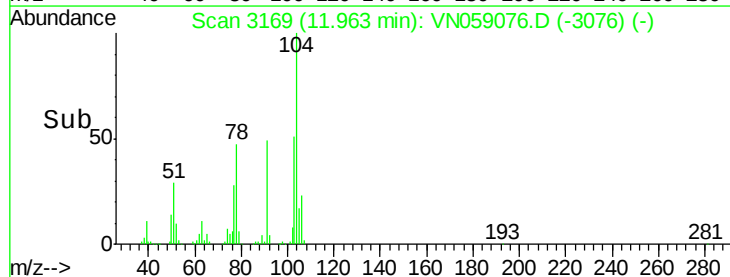
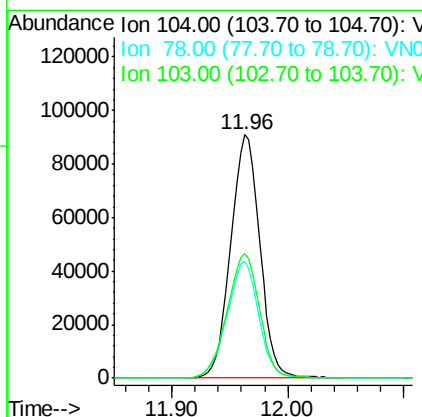
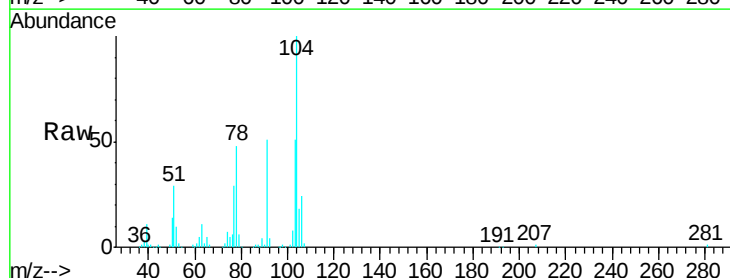
Manual Integrations
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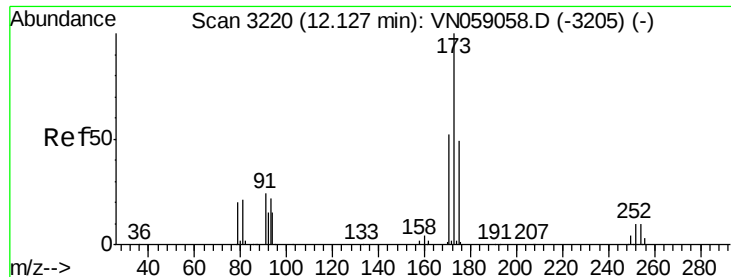
MMDadoda
11/5/2019 2:00:02 PM



#70
Styrene
Concen: 15.227 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059076.D
Acq: 4 Nov 2019 11:12

Tgt Ion:104 Resp: 157643
Ion Ratio Lower Upper
104 100
78 52.2 41.2 61.8
103 56.7 43.9 65.9





#71

Bromoform

Concen: 15.255 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

Instrument :

MSVOA_N

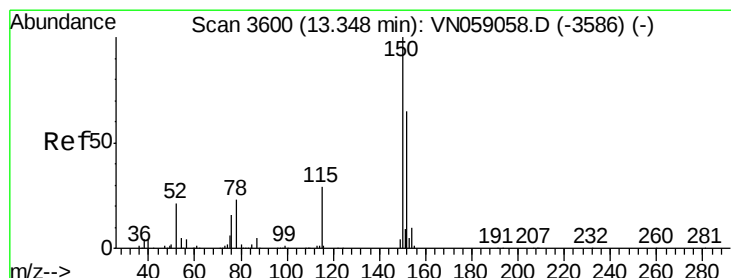
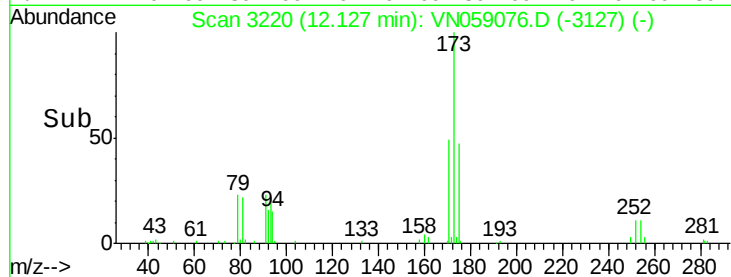
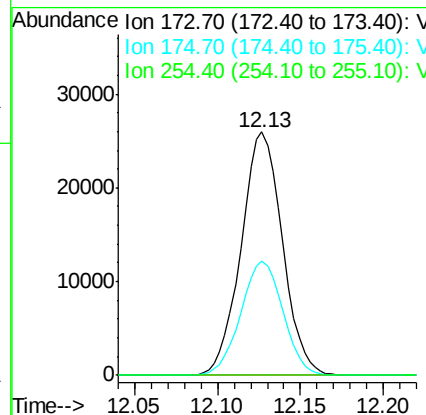
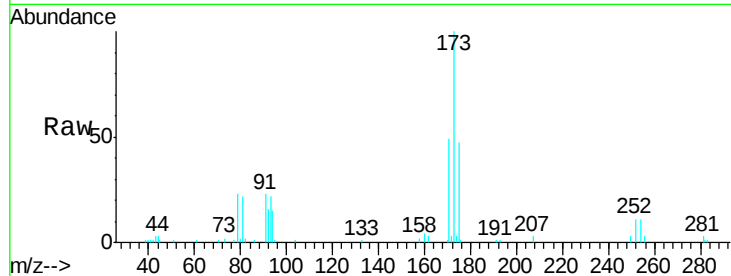
ClientSampleId :

VN1104WBS01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.4	73.2
254	0.0	0.1	0.1#

Manual Integrations
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11/5/2019 2:00:02 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

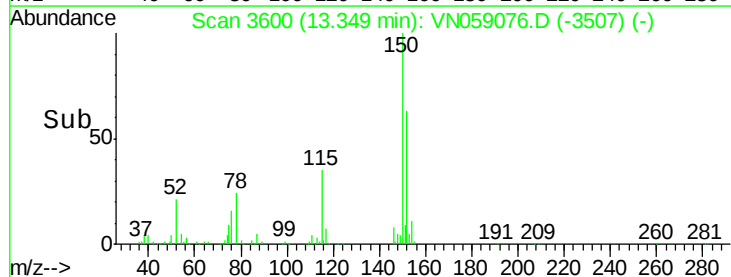
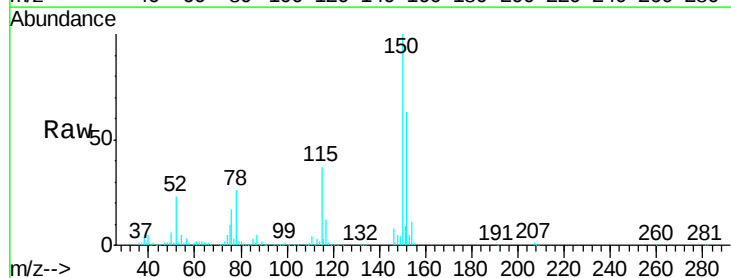
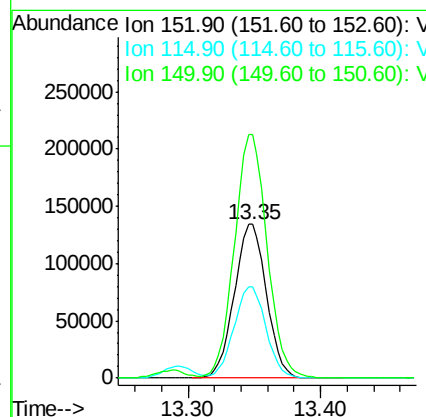
RT: 13.35 min Scan# 3600

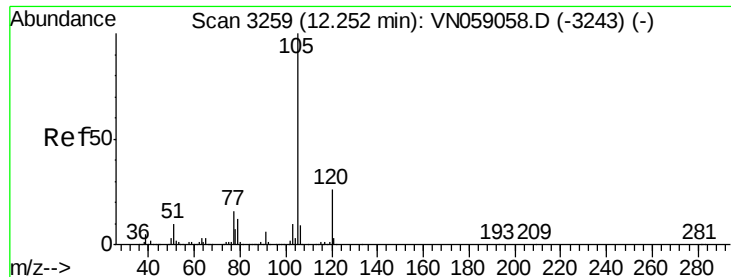
Delta R.T. 0.00 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.4	29.6	88.9
150	161.2	0.0	345.8





#73

Isopropylbenzene

Concen: 16.554 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

Instrument :

MSVOA_N

ClientSampleId :

VN1104WBS01

Tgt Ion: 105 Resp: 274547

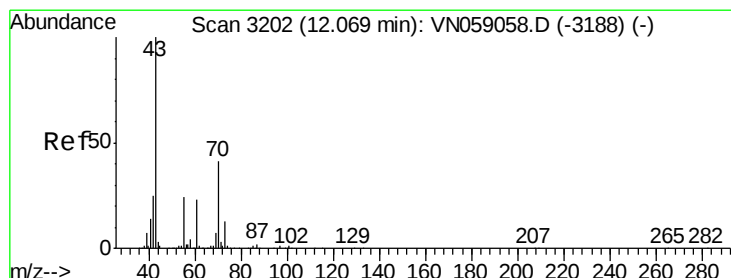
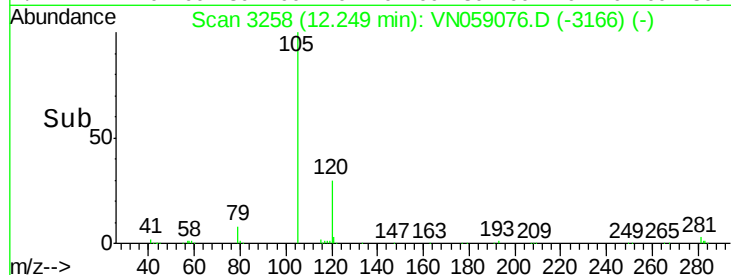
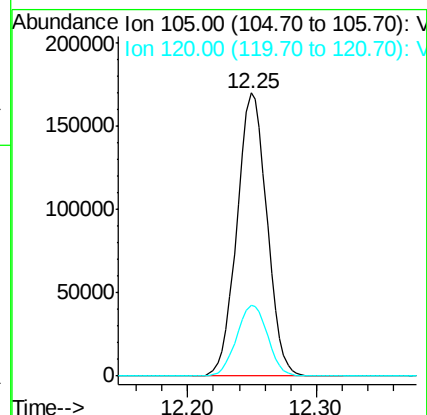
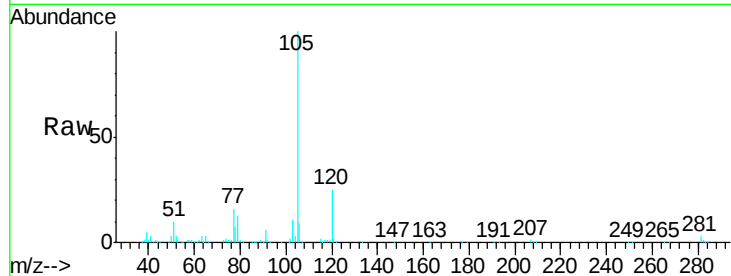
Ion Ratio Lower Upper

105 100

120 25.9 13.1 39.1

Manual Integrations
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11/5/2019 2:00:02 PM



#74

N-ethyl acetate

Concen: 14.302 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

Tgt Ion: 43 Resp: 105515

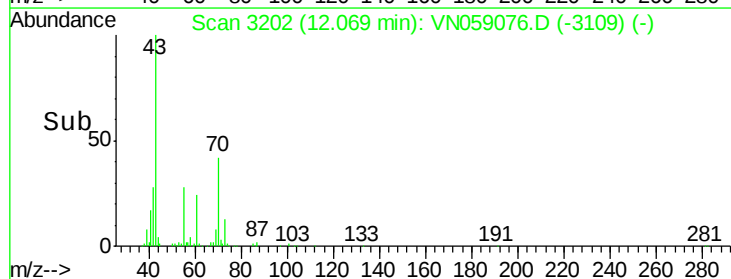
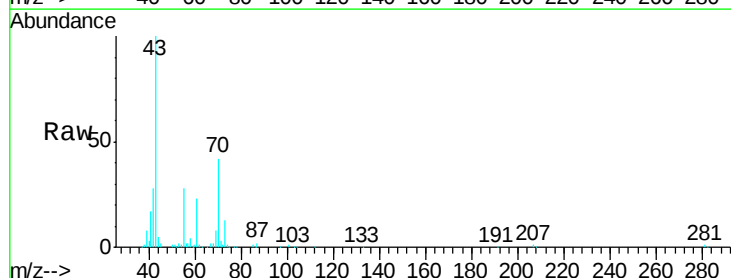
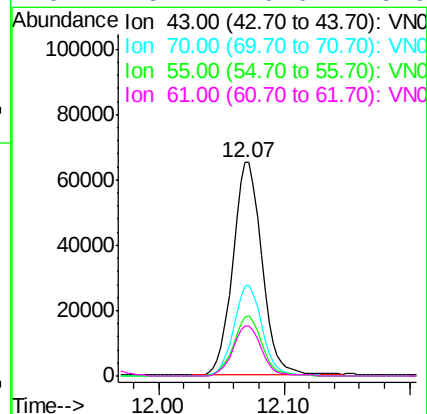
Ion Ratio Lower Upper

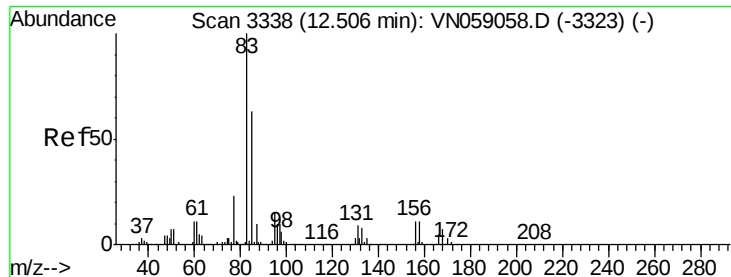
43 100

70 41.6 32.6 49.0

55 27.8 19.7 29.5

61 23.4 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 15.432 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

Instrument :

MSVOA_N

ClientSampleId :

VN1104WBS01

Tgt Ion: 83 Resp: 91167
Ion Ratio Lower Upper

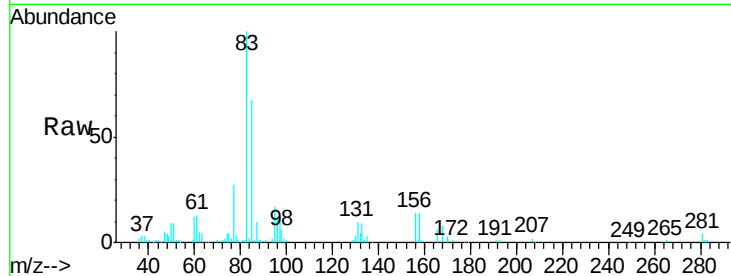
83 100

131 9.4 4.9 14.7

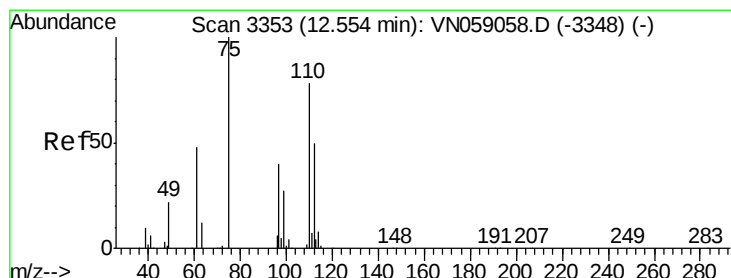
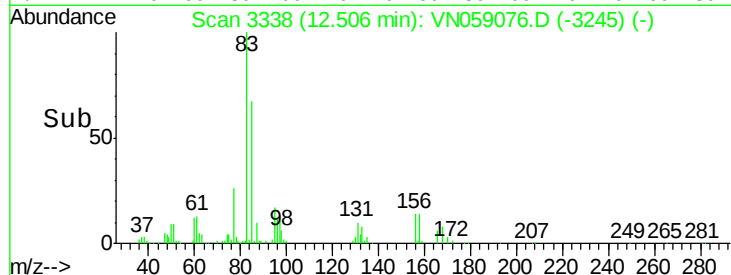
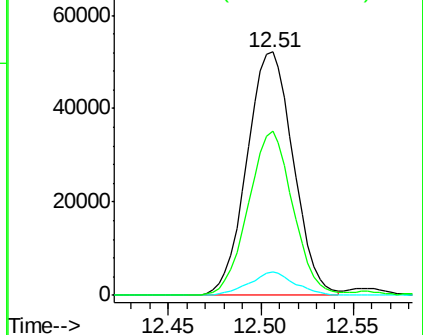
85 64.8 31.9 95.9

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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): VN0
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 15.993 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

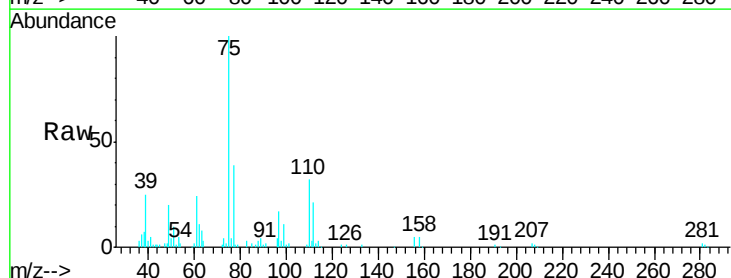
Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

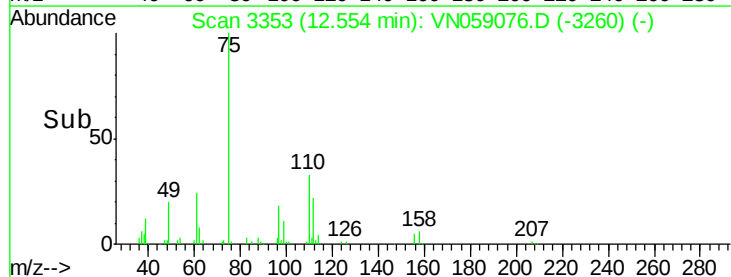
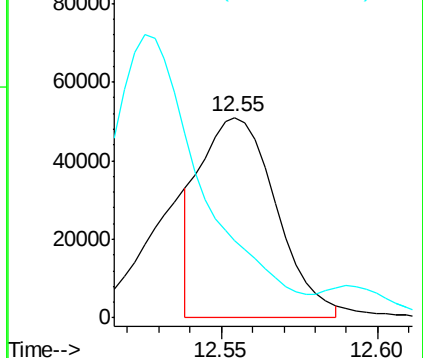
Tgt Ion: 75 Resp: 85316
Ion Ratio Lower Upper

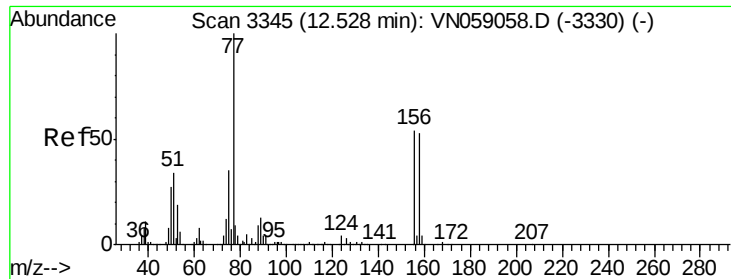
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 16.136 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

Instrument :

MSVOA_N

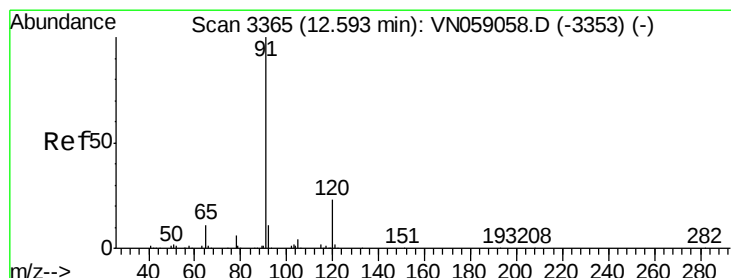
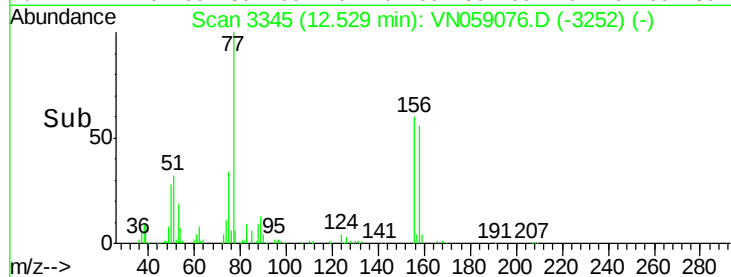
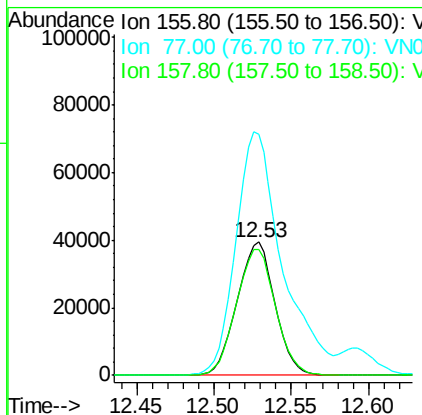
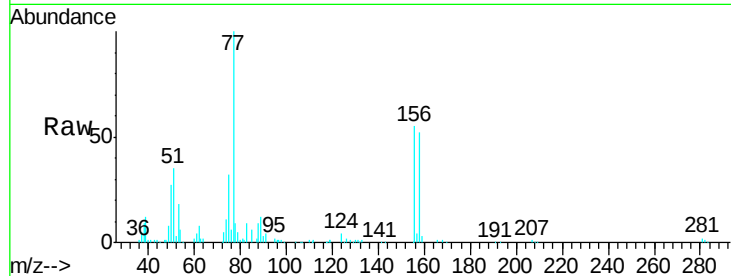
ClientSampleId :

VN1104WBS01

Tgt Ion:	156	Resp:	66913
Ion Ratio	Lower	Upper	
156	100		
77	225.6	114.2	342.6
158	97.9	49.6	149.0

Manual Integrations
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#78

n-propylbenzene

Concen: 16.437 ug/l

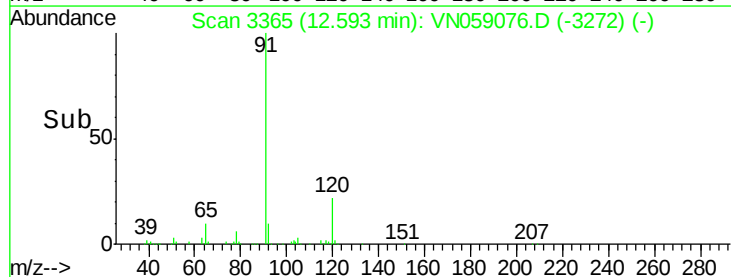
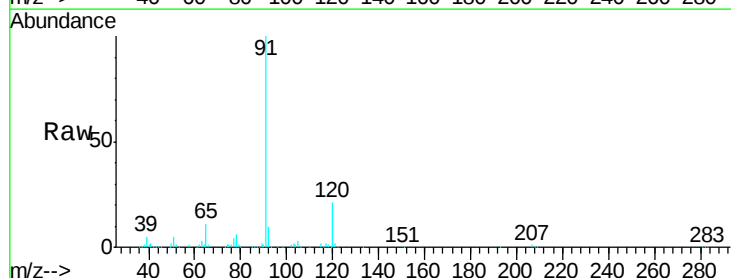
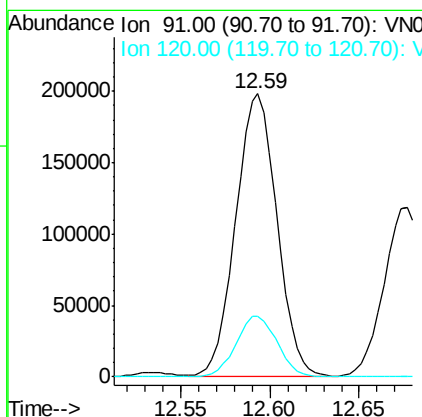
RT: 12.59 min Scan# 3365

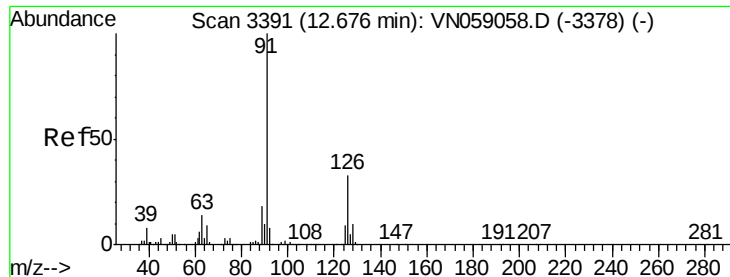
Delta R.T. 0.00 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

Tgt Ion:	91	Resp:	315729
Ion Ratio	Lower	Upper	
91	100		
120	21.8	11.2	33.5





#79

2-Chlorotoluene

Concen: 16.178 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

Instrument :

MSVOA_N

ClientSampled :

VN1104WBS01

Tgt Ion: 91 Resp: 192951

Ion Ratio Lower Upper

91 100

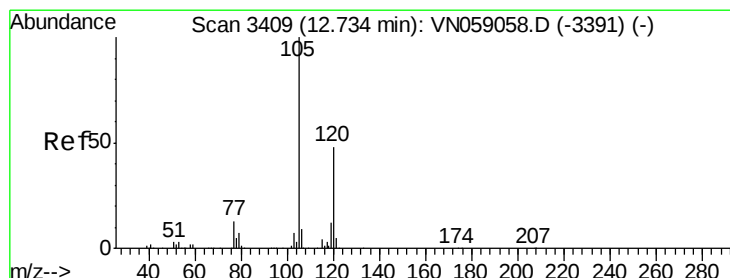
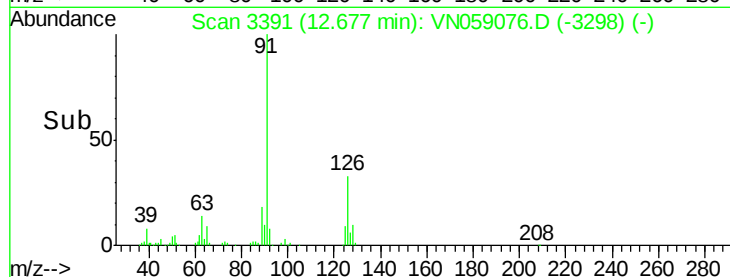
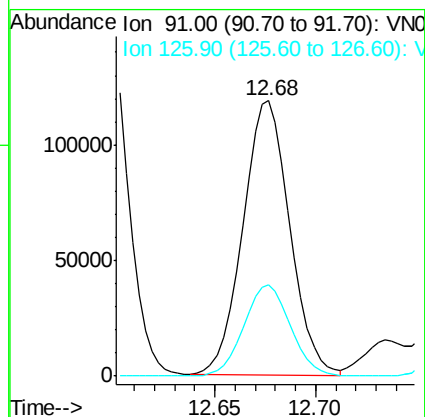
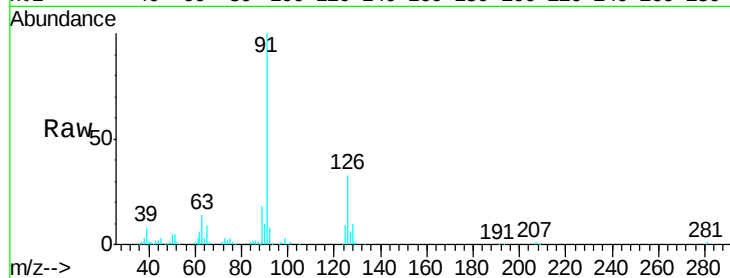
126 33.2 16.3 48.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 16.359 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN059076.D

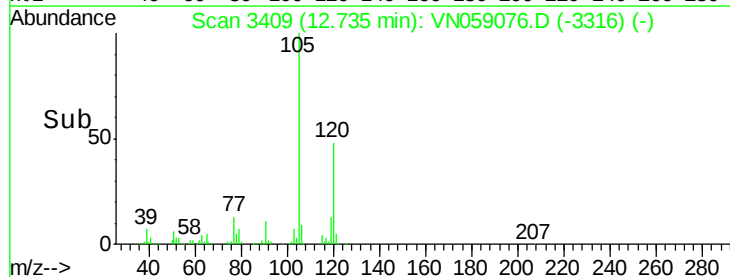
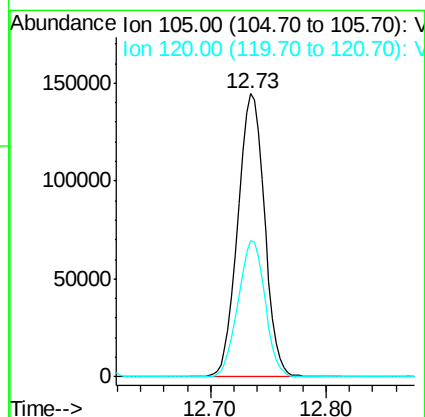
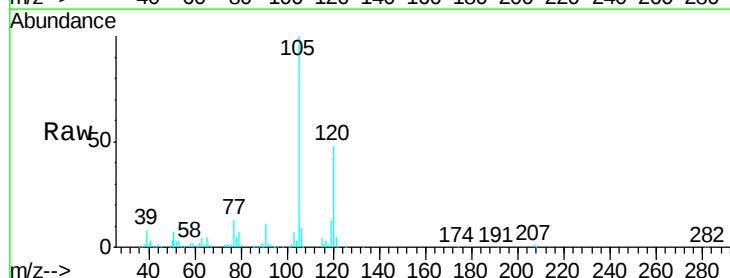
Acq: 4 Nov 2019 11:12

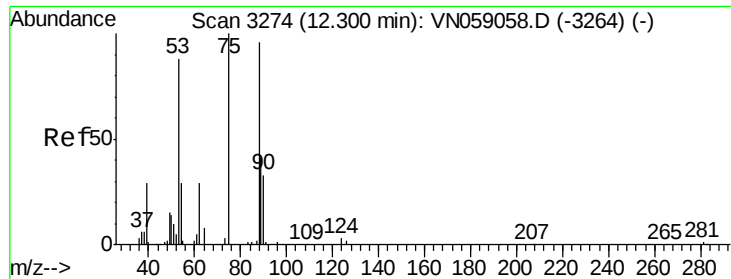
Tgt Ion: 105 Resp: 230575

Ion Ratio Lower Upper

105 100

120 48.3 24.2 72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 14.814 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

Instrument :

MSVOA_N

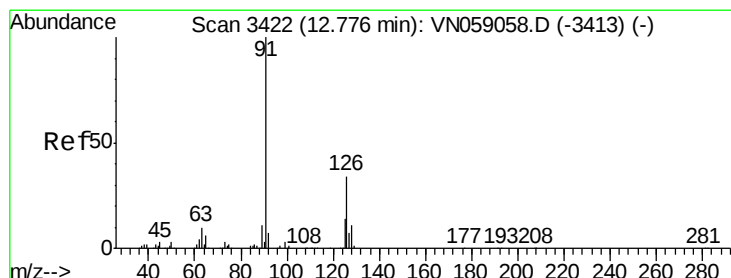
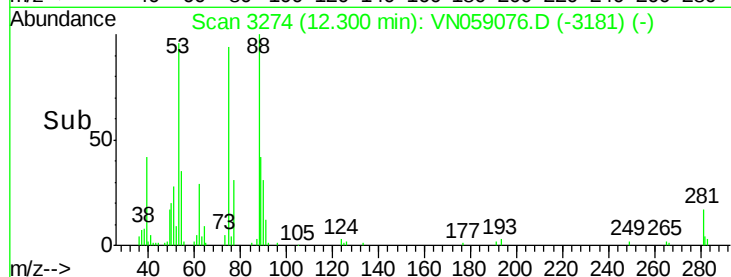
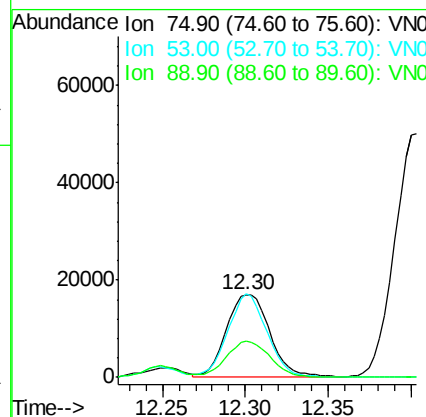
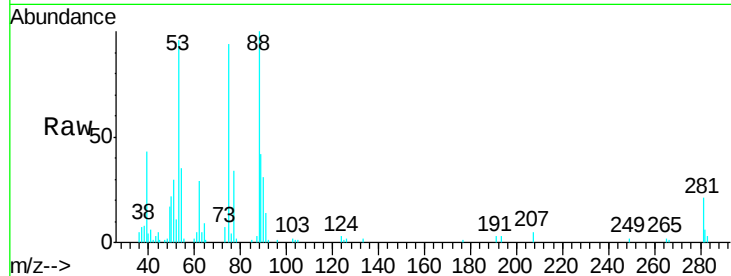
ClientSampleId :

VN1104WBS01

Tgt Ion:	75	Resp:	30829
Ion	Ratio	Lower	Upper
75	100		
53	92.3	70.4	105.6
89	43.8	34.2	51.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 15.957 ug/l

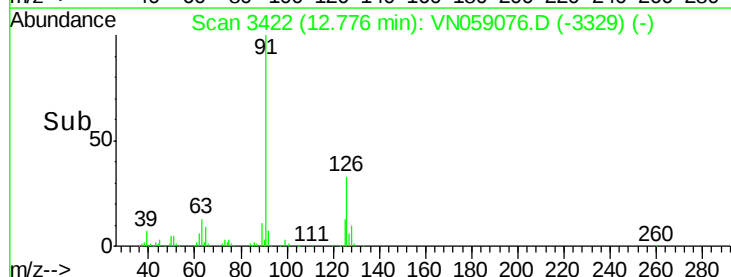
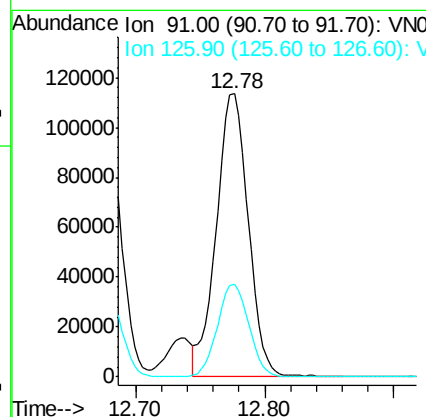
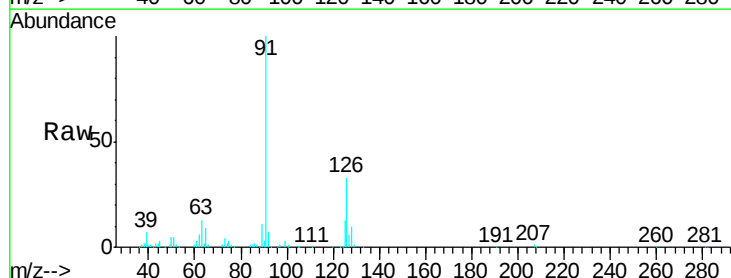
RT: 12.78 min Scan# 3422

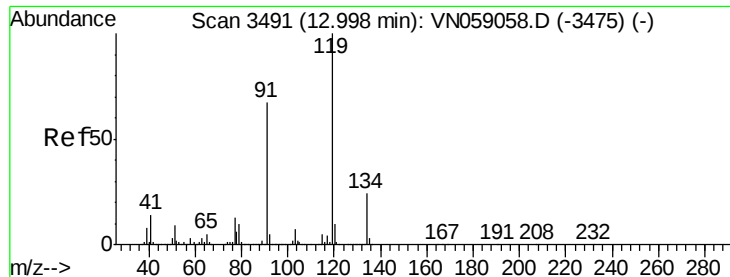
Delta R.T. 0.00 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

Tgt Ion:	91	Resp:	194241
Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.0	47.9





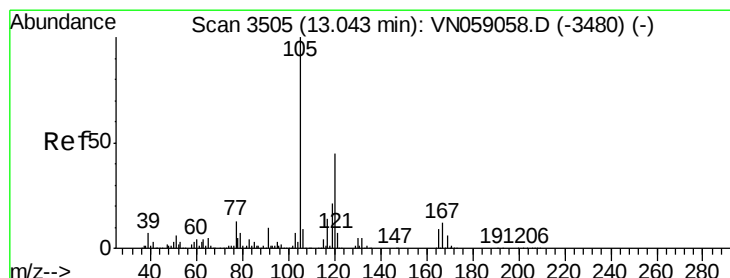
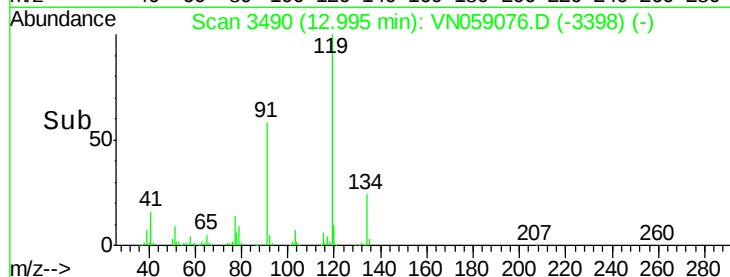
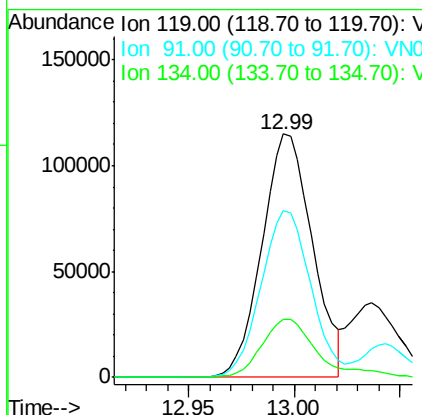
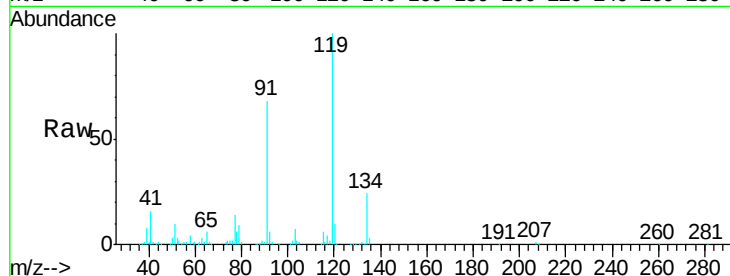
#83
 tert-Butylbenzene
 Concen: 15.973 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN059076.D
 Acq: 4 Nov 2019 11:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	191251		
91	67.6	33.7	101.0	
134	26.3	12.9	38.7	

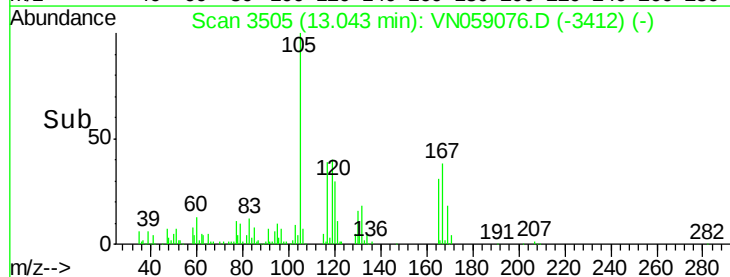
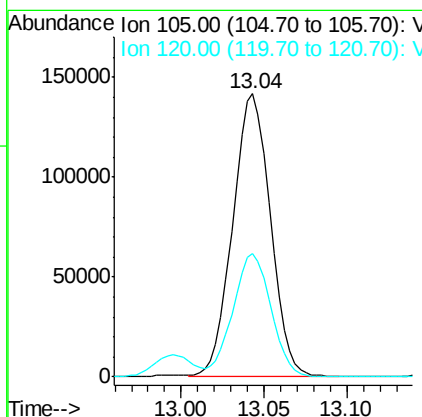
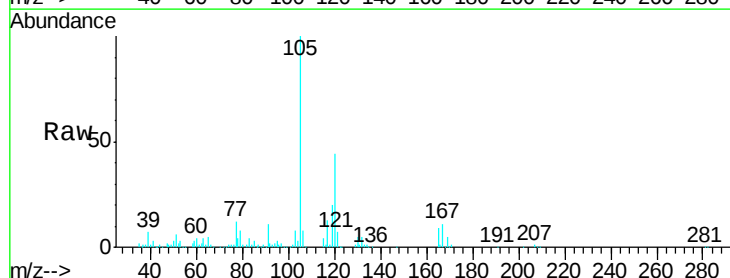
Manual Integrations
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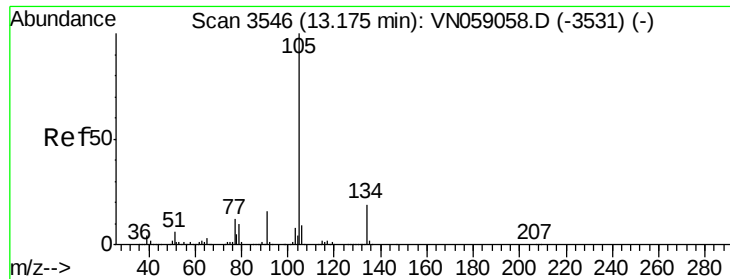
MMDadoda
 11/5/2019 2:00:02 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 16.307 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN059076.D
 Acq: 4 Nov 2019 11:12

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	223336		
120	44.3	22.3	66.9	





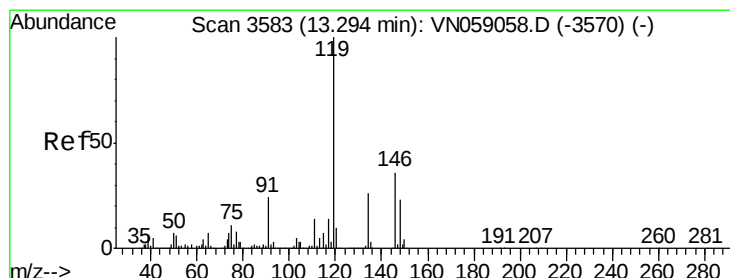
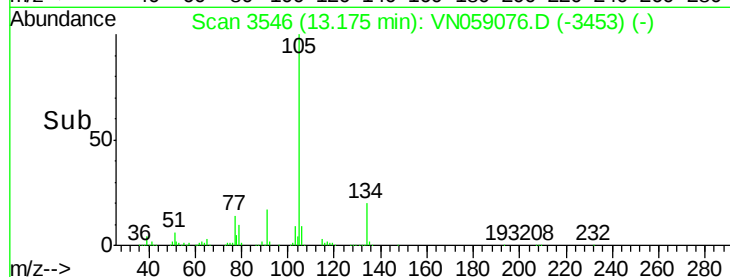
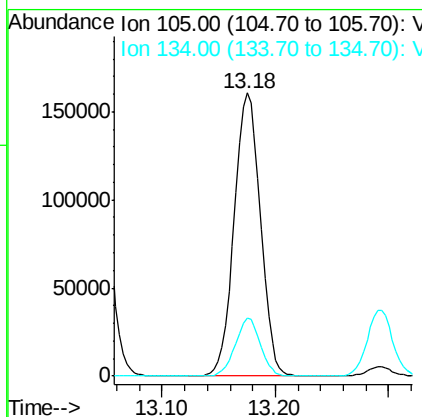
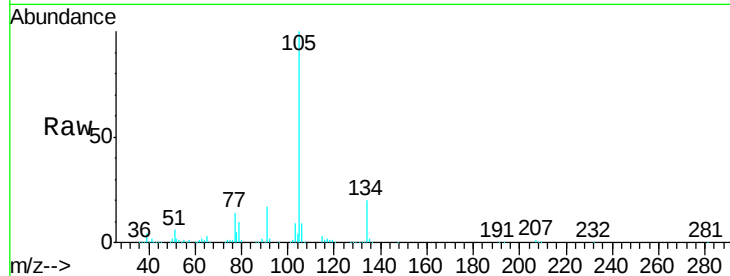
#85
 sec-Butylbenzene
 Concen: 16.562 ug/l
 RT: 13.18 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN059076.D
 Acq: 4 Nov 2019 11:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	259897		
134	19.6	9.8	29.4	

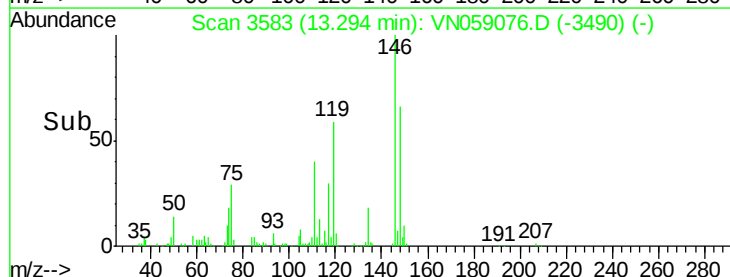
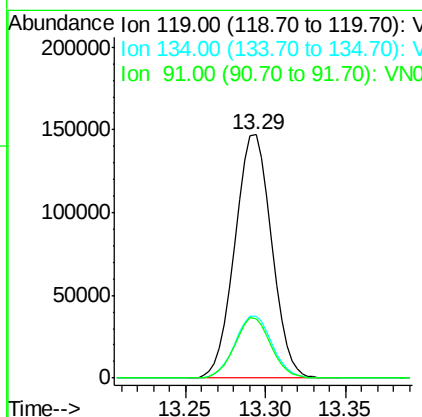
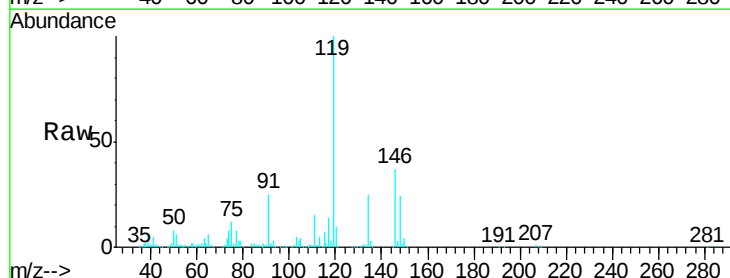
Manual Integrations
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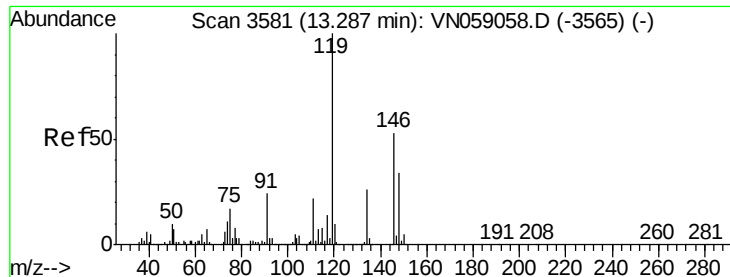
MMDadoda
 11/5/2019 2:00:02 PM



#86
 p-Isopropyltoluene
 Concen: 16.252 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN059076.D
 Acq: 4 Nov 2019 11:12

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	229932		
134	25.8	13.0	39.0	
91	24.7	12.0	36.0	





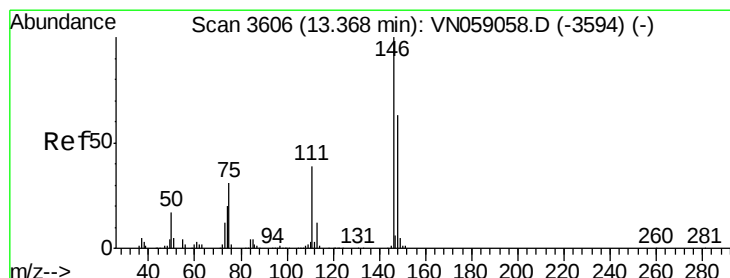
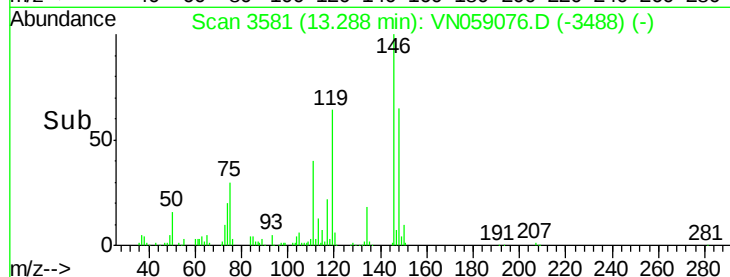
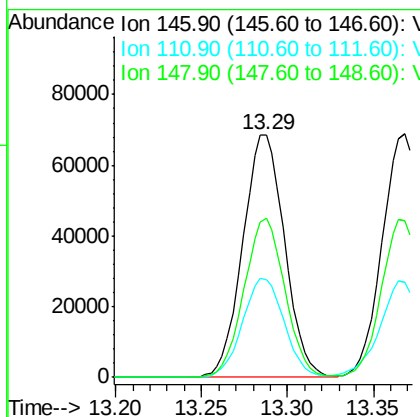
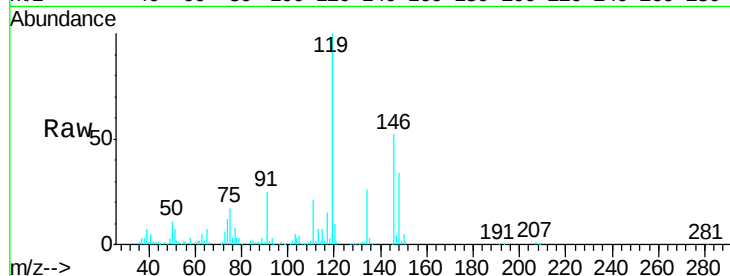
#87
 1,3-Dichlorobenzene
 Concen: 15.699 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN059076.D
 Acq: 4 Nov 2019 11:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	115666		
111	40.6	20.5	61.5	
148	63.9	31.8	95.3	

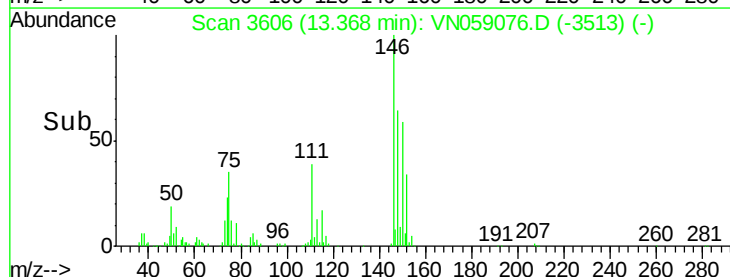
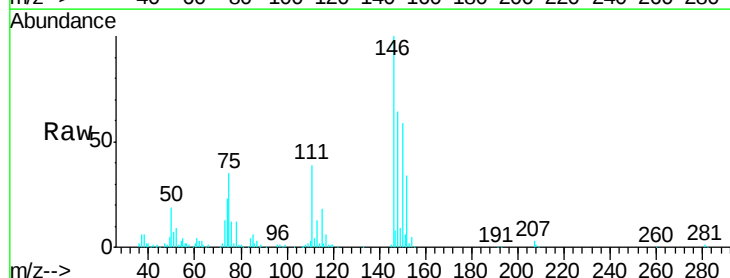
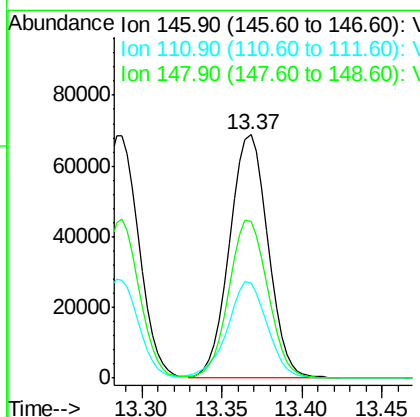
Manual Integrations
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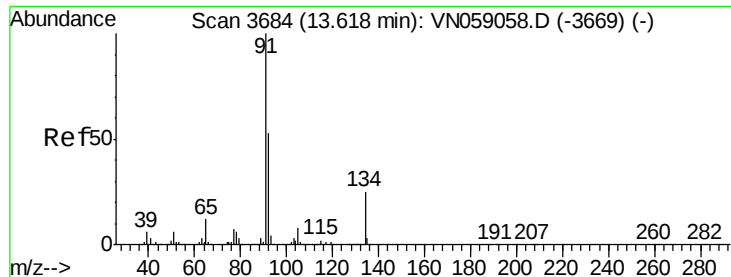
MMDadoda
 11/5/2019 2:00:02 PM



#88
 1,4-Dichlorobenzene
 Concen: 15.499 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN059076.D
 Acq: 4 Nov 2019 11:12

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	112955		
111	41.2	20.1	60.2	
148	65.8	31.9	95.7	





#89

n-Butylbenzene

Concen: 15.878 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

Instrument :

MSVOA_N

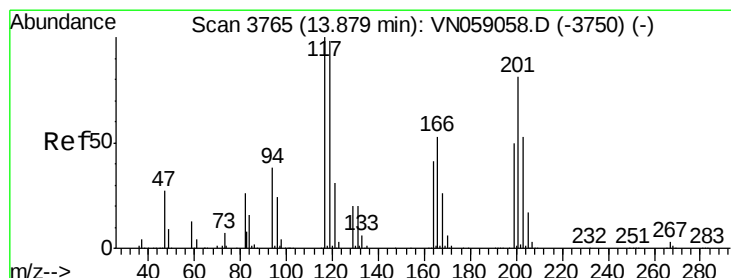
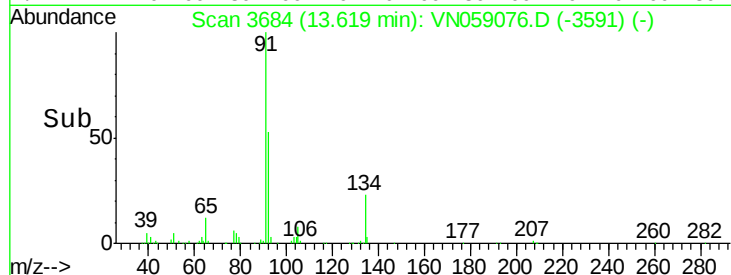
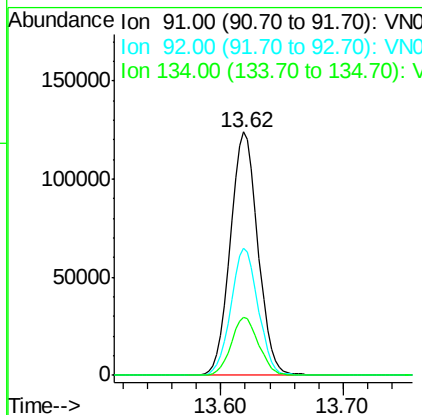
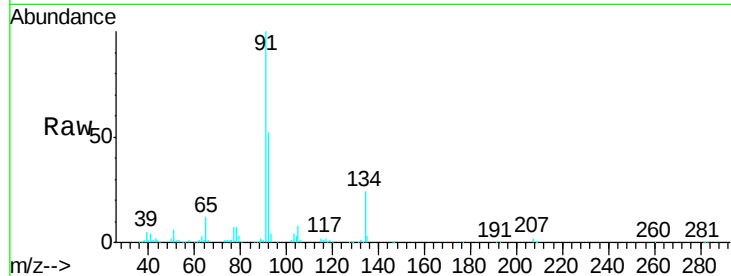
ClientSampleId :

VN1104WBS01

Tgt Ion:	91	Resp:	195740
Ion Ratio	Lower	Upper	
91	100		
92	51.5	26.4	79.0
134	23.6	12.5	37.5

Manual Integrations
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11/5/2019 2:00:02 PM



#90

Hexachloroethane

Concen: 15.548 ug/l

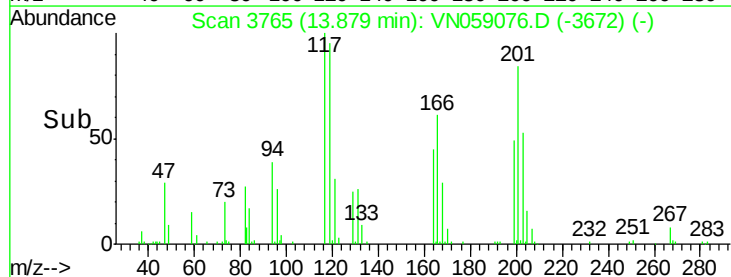
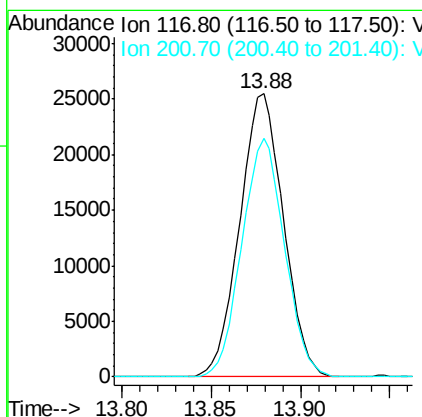
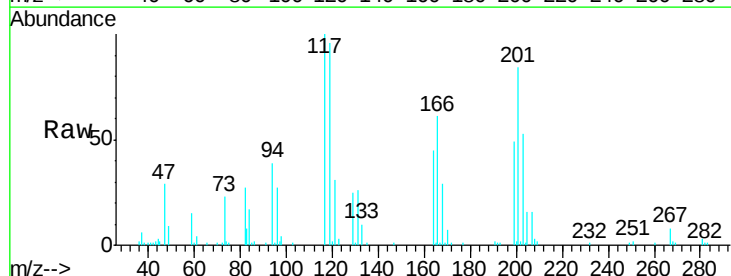
RT: 13.88 min Scan# 3765

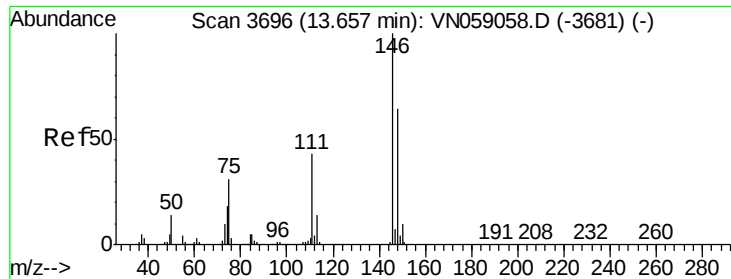
Delta R.T. 0.00 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

Tgt Ion:	117	Resp:	43726
Ion Ratio	Lower	Upper	
117	100		
201	82.1	40.7	122.1





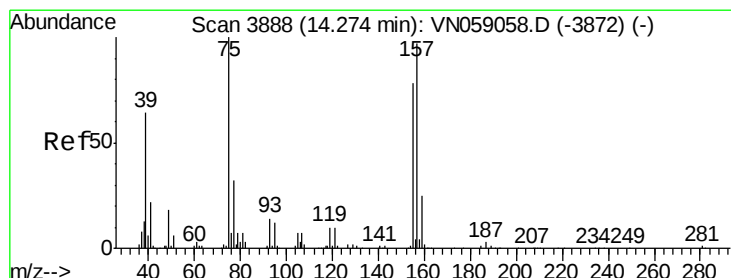
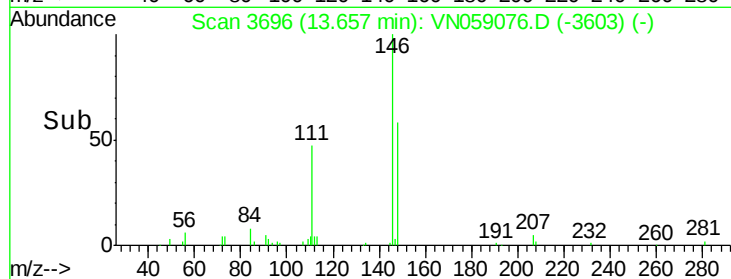
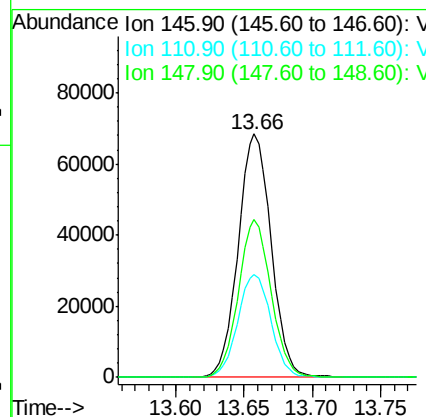
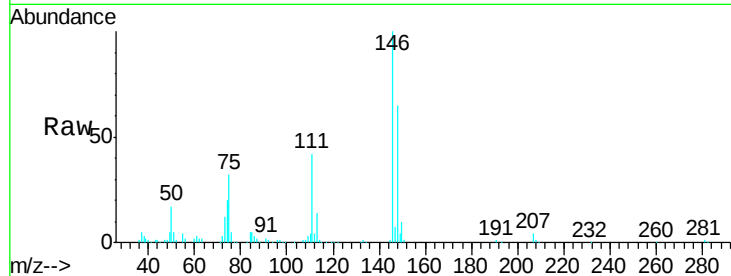
#91
 1,2-Dichlorobenzene
 Concen: 15.683 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN059076.D
 Acq: 4 Nov 2019 11:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	114977		
111	42.4	21.2	63.6	
148	64.1	32.1	96.3	

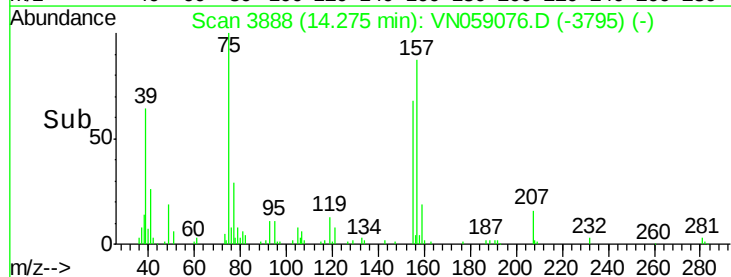
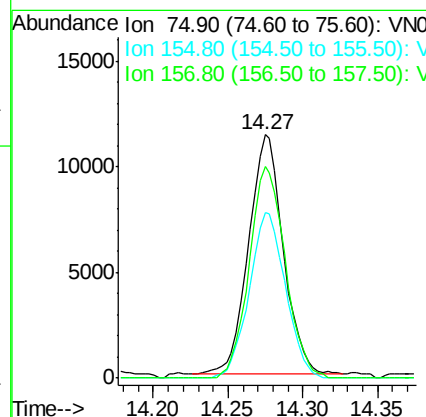
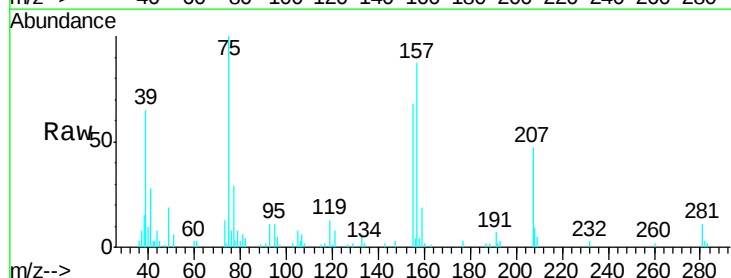
Manual Integrations
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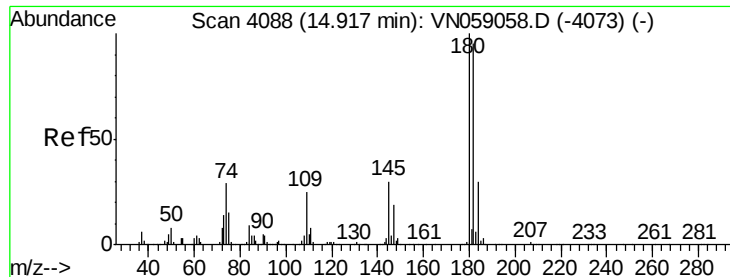
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 14.381 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN059076.D
 Acq: 4 Nov 2019 11:12

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	18351		
155	71.7	39.7	119.1	
157	91.3	51.0	153.0	





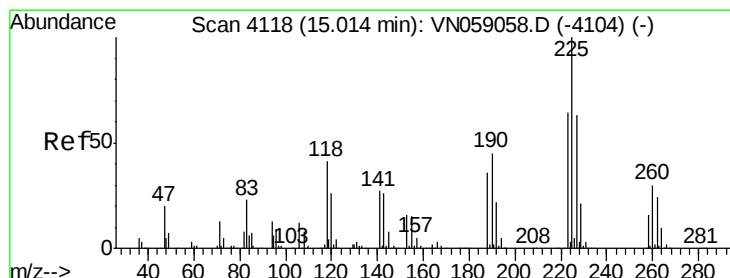
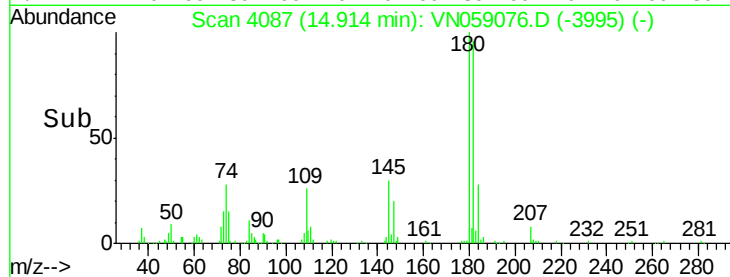
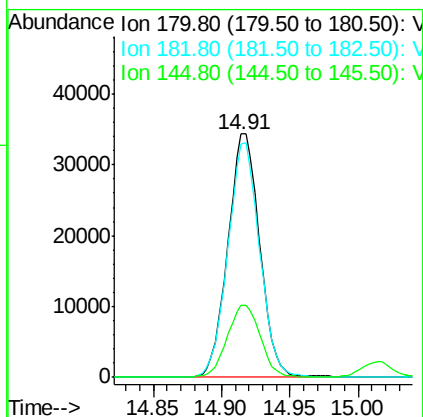
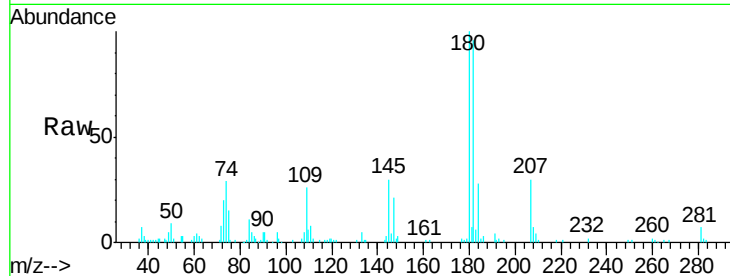
#93
 1,2,4-Trichlorobenzene
 Concen: 14.105 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN059076.D
 Acq: 4 Nov 2019 11:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	55772		
182	96.2	47.8	143.4	
145	30.7	15.1	45.3	

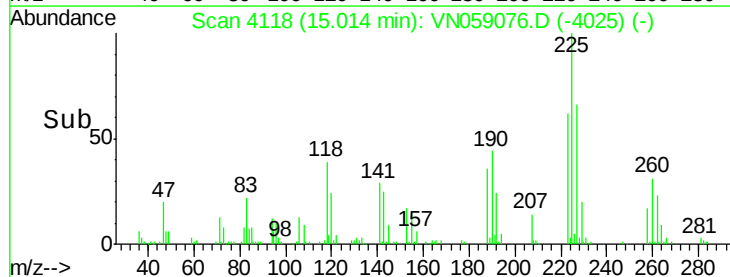
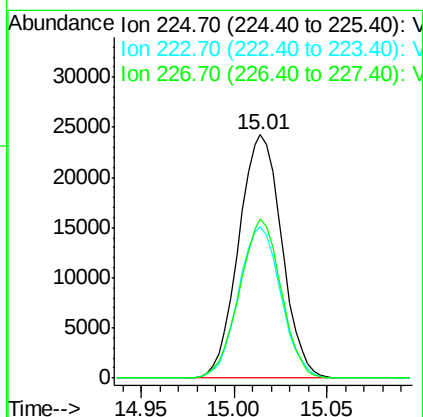
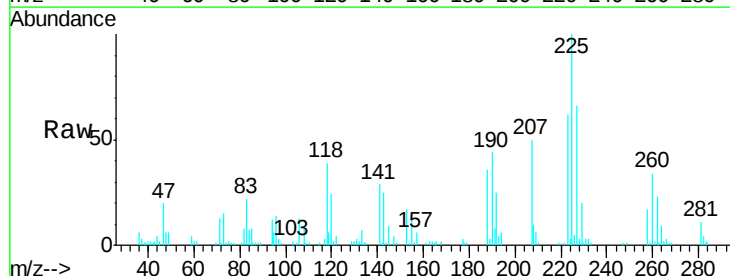
Manual Integrations
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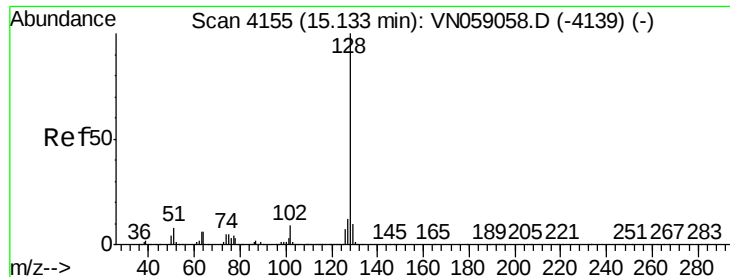
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 11/5/2019 2:00:02 PM



#94
 Hexachlorobutadiene
 Concen: 16.561 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN059076.D
 Acq: 4 Nov 2019 11:12

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	39301		
223	61.5	31.6	95.0	
227	63.1	31.9	95.7	





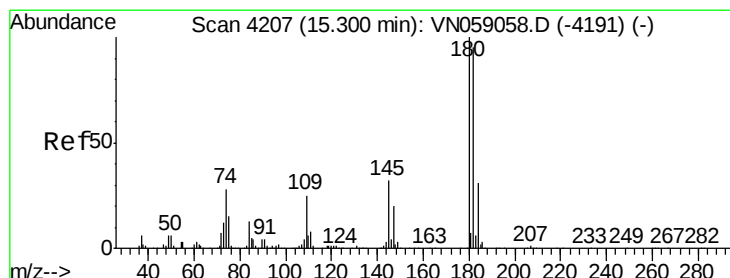
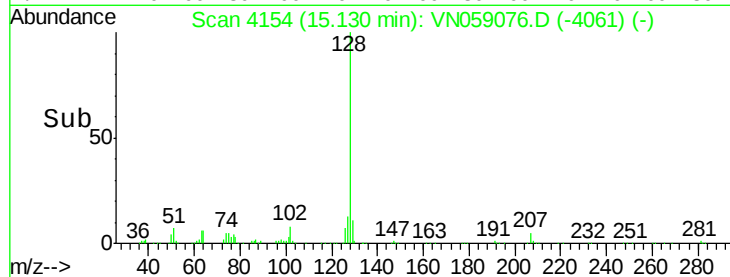
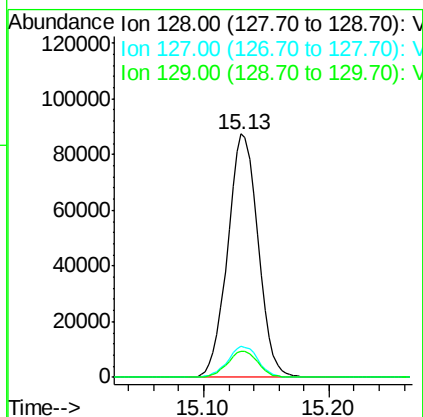
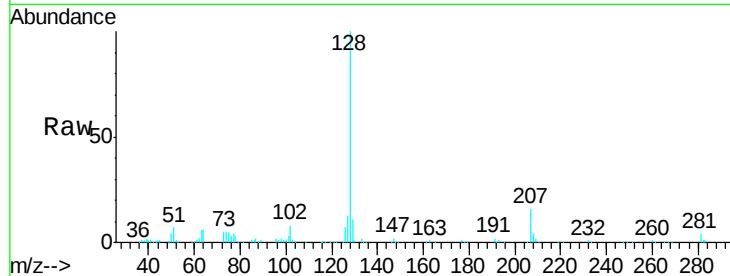
#95
Naphthalene
Concen: 14.218 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN059076.D
Acq: 4 Nov 2019 11:12

Instrument :
MSVOA_N
ClientSampleId :
VN1104WBS01

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
127	12.9	9.9	14.9
129	10.7	8.4	12.6

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 14.270 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN059076.D
Acq: 4 Nov 2019 11:12

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	94.4	47.7	143.1
145	32.9	16.0	48.0

