

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN110119\
 Data File : VN059062.D
 Acq On : 1 Nov 2019 15:15
 Operator : JC/SP
 Sample : VN1101WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBS01

Manual Integrations
 APPROVED

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 11/5/2019 1:59:28 PM

Quant Time: Nov 02 05:20:12 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	375081	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	594765	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	531495	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	240785	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	221690	44.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.26%	
35) Dibromofluoromethane	7.57	113	167930	43.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.54%	
50) Toluene-d8	10.08	98	660972	44.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.50%	
62) 4-Bromofluorobenzene	12.40	95	230759	42.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	86134	21.240	ug/l	95
3) Chloromethane	2.04	50	115561	21.015	ug/l	98
4) Vinyl Chloride	2.17	62	114296	21.413	ug/l	95
5) Bromomethane	2.55	94	66100	20.947	ug/l	99
6) Chloroethane	2.68	64	67301	20.588	ug/l	98
7) Trichlorofluoromethane	3.00	101	134606	21.223	ug/l	97
8) Diethyl Ether	3.39	74	51161	20.655	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	79554	21.280	ug/l	99
10) Methyl Iodide	3.93	142	90536	19.925	ug/l	99
11) Tert butyl alcohol	4.75	59	94735	103.043	ug/l	99
12) 1,1-Dichloroethene	3.71	96	76637	20.613	ug/l	98
13) Acrolein	3.58	56	50059	86.291	ug/l	98
14) Allyl chloride	4.29	41	151329	20.541	ug/l	97
15) Acrylonitrile	4.96	53	243254	105.475	ug/l	100
16) Acetone	3.79	43	261836	104.116	ug/l	99
17) Carbon Disulfide	4.03	76	241895	20.465	ug/l	99
18) Methyl Acetate	4.30	43	123527	19.389	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	268933	21.238	ug/l	99
20) Methylene Chloride	4.52	84	92059	20.910	ug/l	95
21) trans-1,2-Dichloroethene	5.01	96	84037	21.054	ug/l	99
22) Diisopropyl ether	5.92	45	303793	21.649	ug/l	94
23) Vinyl Acetate	5.87	43	1270405	113.665	ug/l	99
24) 1,1-Dichloroethane	5.82	63	167476	20.875	ug/l	99
25) 2-Butanone	6.81	43	352503	105.268	ug/l	99
26) 2,2-Dichloropropane	6.80	77	144904	20.809	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	95430	21.234	ug/l	99
28) Bromochloromethane	7.18	49	30161	12.181	ug/l	95
29) Tetrahydrofuran	7.19	42	222974	105.508	ug/l	99
30) Chloroform	7.35	83	161366	21.034	ug/l	97
31) Cyclohexane	7.63	56	157523	20.585	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	139138	21.436	ug/l	99
36) 1,1-Dichloropropene	7.77	75	123077	20.821	ug/l	99
37) Ethyl Acetate	6.90	43	139910	21.302	ug/l	99
38) Carbon Tetrachloride	7.75	117	122239	21.219	ug/l	98

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 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)
39) Methylcyclohexane	9.07	83	141070	20.647	ug/l	95
40) Benzene	8.02	78	371013	21.149	ug/l	99
41) Methacrylonitrile	7.15	41	59778m	21.048	ug/l	
42) 1,2-Dichloroethane	8.10	62	130275	21.383	ug/l	98
43) Isopropyl Acetate	8.14	43	214269	20.861	ug/l	94
44) Trichloroethene	8.82	130	89854	20.817	ug/l	95
45) 1,2-Dichloropropane	9.10	63	100289	21.138	ug/l	98
46) Dibromomethane	9.19	93	61743	21.057	ug/l	99
47) Bromodichloromethane	9.39	83	124047	20.889	ug/l	98
48) Methyl methacrylate	9.19	41	95769	20.449	ug/l	99
49) 1,4-Dioxane	9.19	88	33150	433.933	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	676579	113.393	ug/l	97
52) Toluene	10.15	92	222733	21.669	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	141527	20.610	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	154866	21.382	ug/l	96
55) 1,1,2-Trichloroethane	10.55	97	88222	21.069	ug/l	99
56) Ethyl methacrylate	10.42	69	132640	19.831	ug/l	99
57) 1,3-Dichloropropane	10.70	76	155235	21.317	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	324870	123.926	ug/l	99
59) 2-Hexanone	10.75	43	502344	110.822	ug/l	98
60) Dibromochloromethane	10.90	129	94669	20.979	ug/l	99
61) 1,2-Dibromoethane	11.00	107	91603	21.595	ug/l	99
64) Tetrachloroethene	10.63	164	80004	21.549	ug/l	96
65) Chlorobenzene	11.43	112	230678	21.147	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	86392	21.526	ug/l	99
67) Ethyl Benzene	11.51	91	414389	21.944	ug/l	98
68) m/p-Xylenes	11.62	106	304321	43.158	ug/l	99
69) o-Xylene	11.95	106	147444	21.897	ug/l	97
70) Styrene	11.96	104	229409	21.025	ug/l	97
71) Bromoform	12.13	173	65627	21.126	ug/l #	100
73) Isopropylbenzene	12.25	105	391484	22.100	ug/l	100
74) N-amyl acetate	12.07	43	166285	21.103	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	132921	21.065	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	124162m	21.791	ug/l	
77) Bromobenzene	12.53	156	94327	21.297	ug/l	98
78) n-propylbenzene	12.59	91	449921	21.930	ug/l	100
79) 2-Chlorotoluene	12.68	91	274598	21.555	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	328754	21.837	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	45415	20.432	ug/l	95
82) 4-Chlorotoluene	12.78	91	276789	21.289	ug/l	99
83) tert-Butylbenzene	12.99	119	277441	21.694	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	322603	22.053	ug/l	98
85) sec-Butylbenzene	13.17	105	368610	21.992	ug/l	100
86) p-Isopropyltoluene	13.29	119	331545	21.940	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	164014	20.841	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	161355	20.728	ug/l	98
89) n-Butylbenzene	13.62	91	281561	21.383	ug/l	99
90) Hexachloroethane	13.88	117	61926	20.615	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	164695	21.033	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	28023	20.560	ug/l	95

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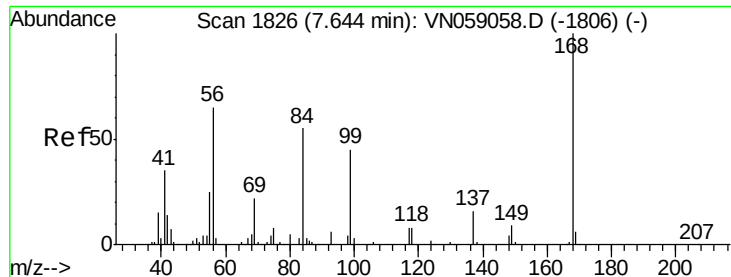
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	87366	20.686	ug/l	99
94) Hexachlorobutadiene	15.01	225	54256	21.405	ug/l	100
95) Naphthalene	15.13	128	238612	20.029	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	89015	20.709	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059062.D

Acq: 1 Nov 2019 15:15

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBS01

Tgt Ion: 168 Resp: 375081

Ion Ratio Lower Upper

168 100

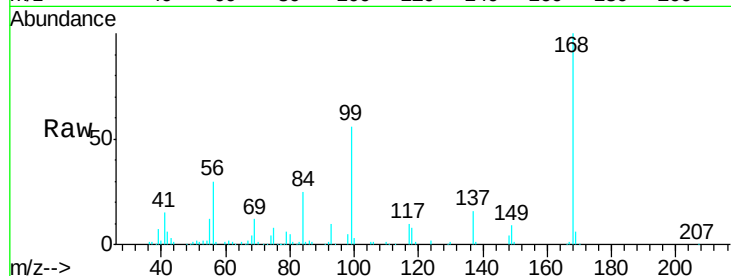
99 56.3 44.1 66.1

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

150000

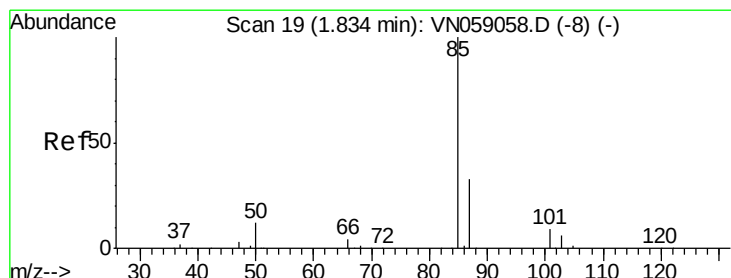
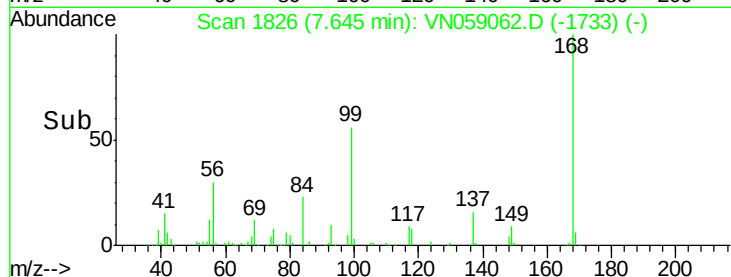
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50000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 21.240 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059062.D

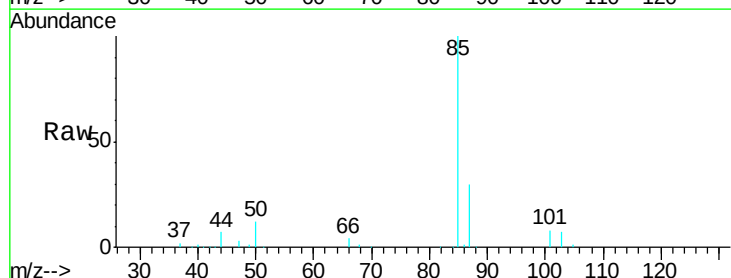
Acq: 1 Nov 2019 15:15

Tgt Ion: 85 Resp: 86134

Ion Ratio Lower Upper

85 100

87 30.4 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

60000

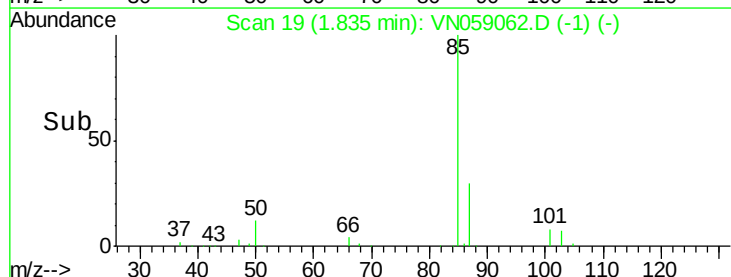
40000

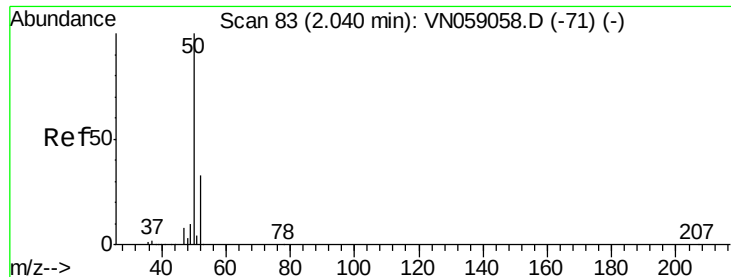
20000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 21.015 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059062.D

Acq: 1 Nov 2019 15:15

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBS01

Tgt Ion: 50 Resp: 115561

Ion Ratio Lower Upper

50 100

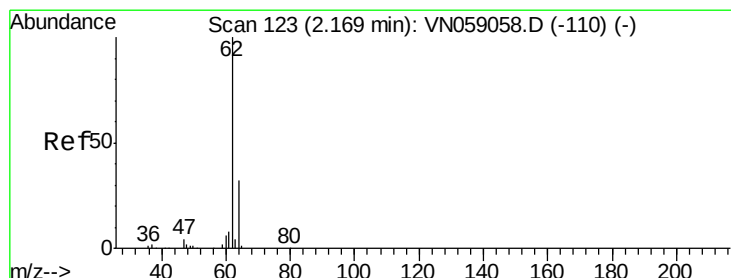
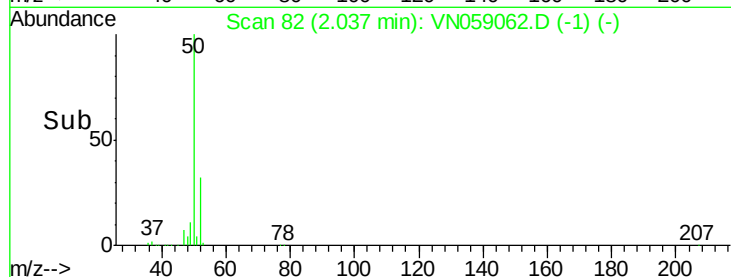
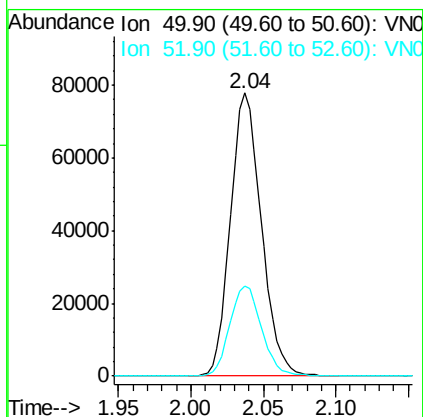
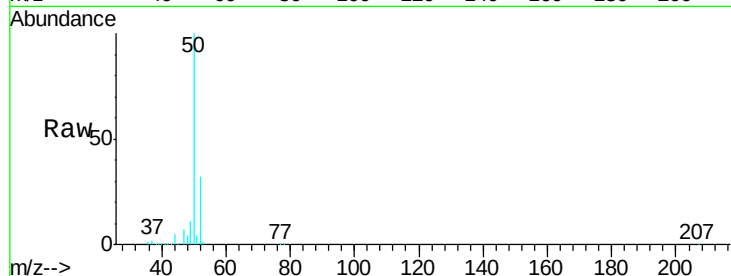
52 32.0 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.413 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059062.D

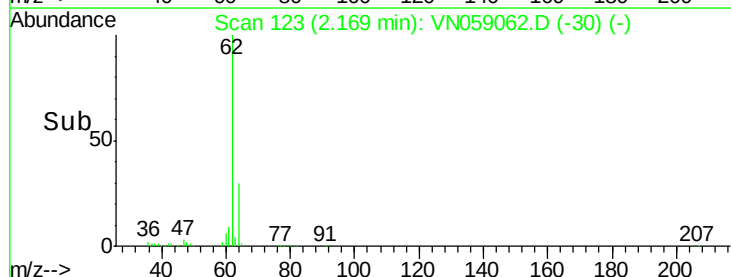
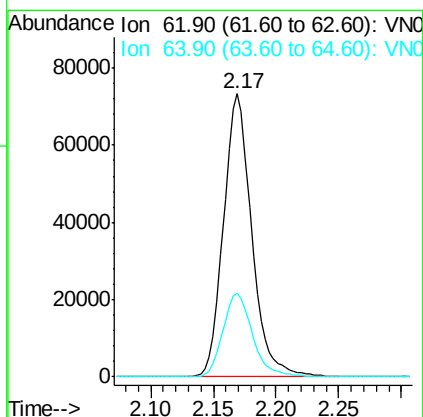
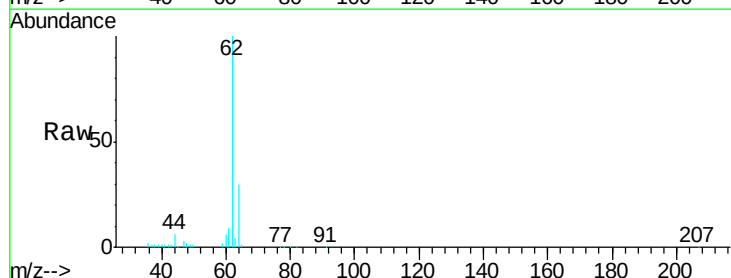
Acq: 1 Nov 2019 15:15

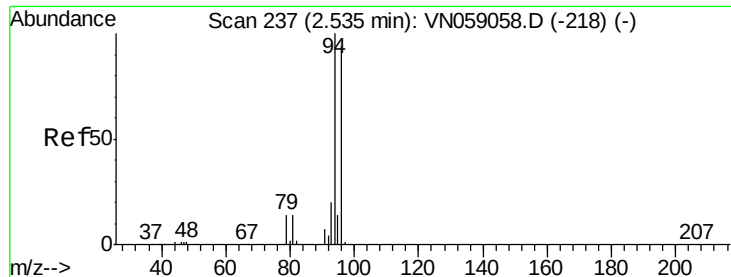
Tgt Ion: 62 Resp: 114296

Ion Ratio Lower Upper

62 100

64 29.6 25.8 38.8





#5

Bromomethane

Concen: 20.947 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN059062.D

Acq: 1 Nov 2019 15:15

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBS01

Tgt Ion: 94 Resp: 66100

Ion Ratio Lower Upper

94 100

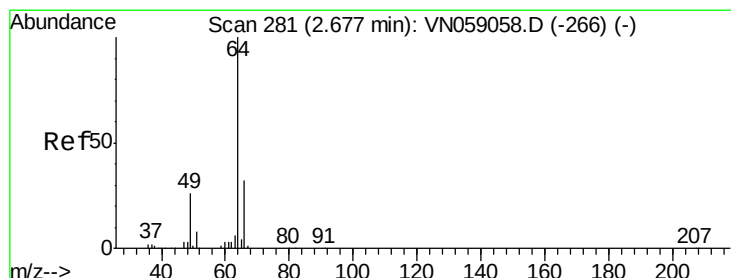
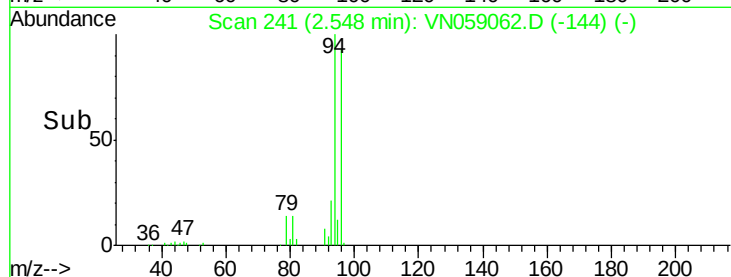
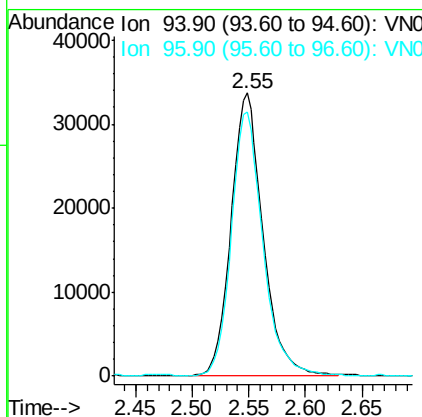
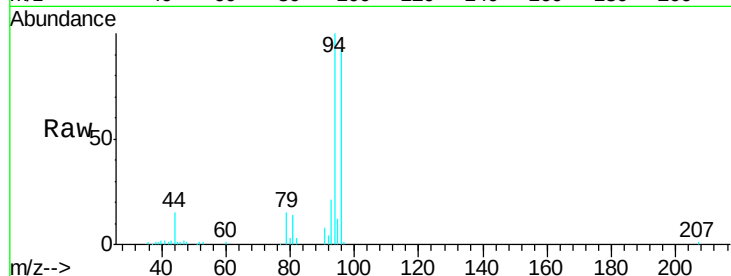
96 93.4 75.1 112.7

Manual Integrations

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11/5/2019 1:59:28 PM



#6

Chloroethane

Concen: 20.588 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.01 min

Lab File: VN059062.D

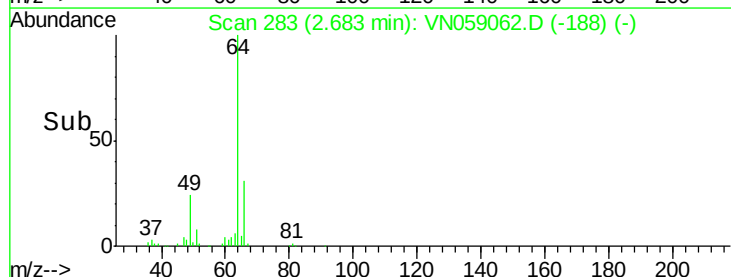
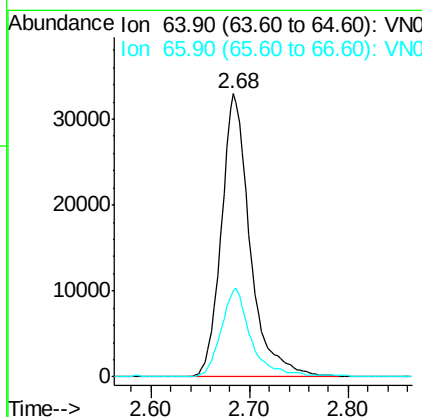
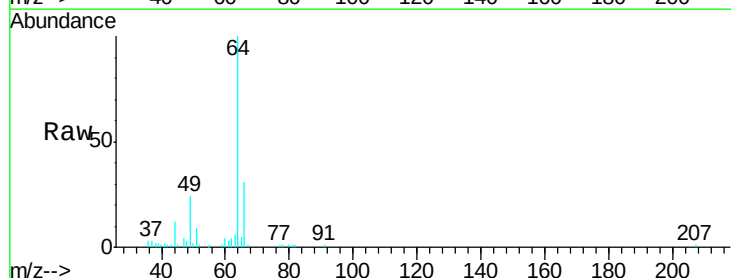
Acq: 1 Nov 2019 15:15

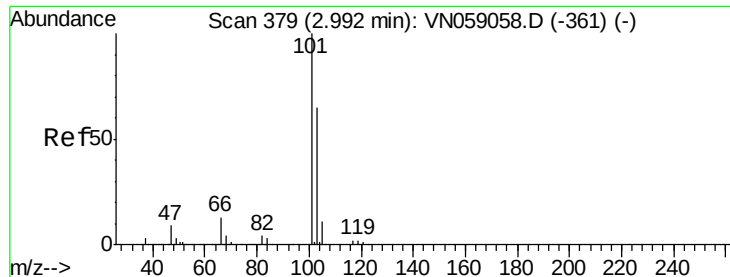
Tgt Ion: 64 Resp: 67301

Ion Ratio Lower Upper

64 100

66 30.7 25.6 38.4





#7

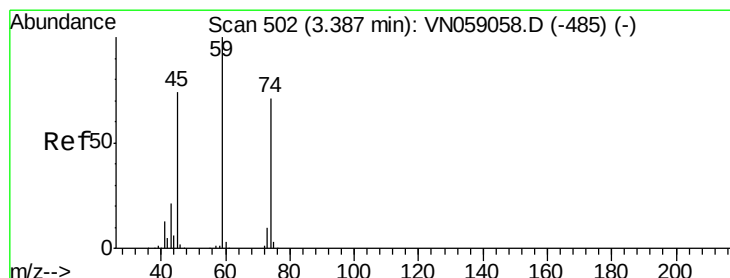
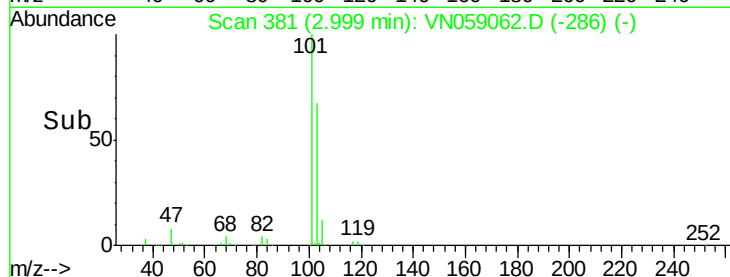
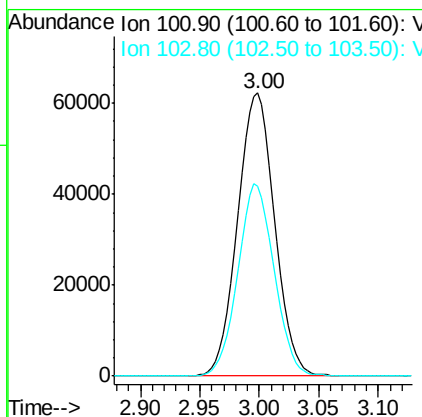
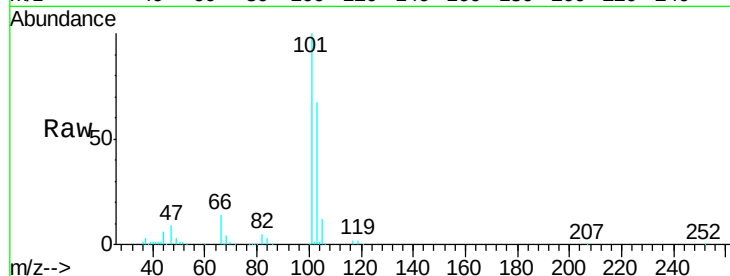
Trichlorofluoromethane
 Concen: 21.223 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VN059062.D
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 ClientSampleId :
 VN1101WBS01

Tgt Ion	Ratio	Lower	Upper
101	100		
103	67.3	51.7	77.5

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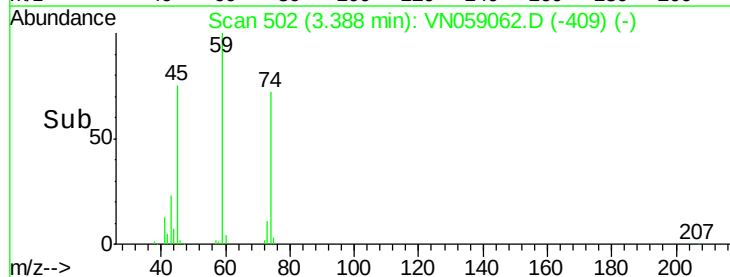
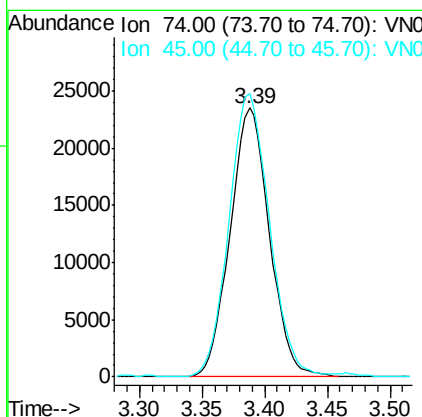
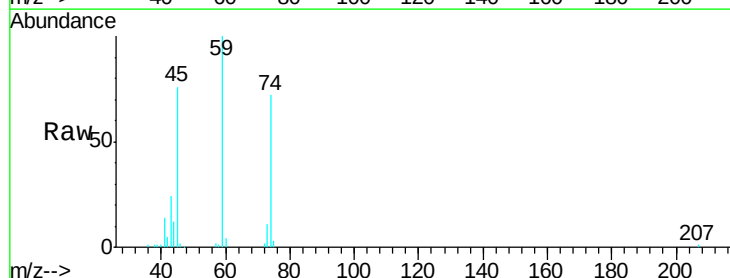
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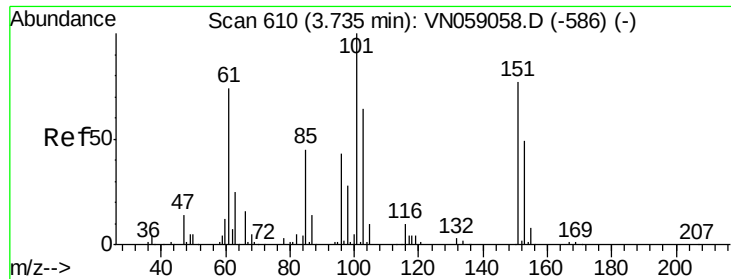


#8

Diethyl Ether
 Concen: 20.655 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: VN059062.D
 Acq: 1 Nov 2019 15:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	108.9	52.8	158.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.280 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN059062.D

Acq: 1 Nov 2019 15:15

Instrument :

MSVOA_N

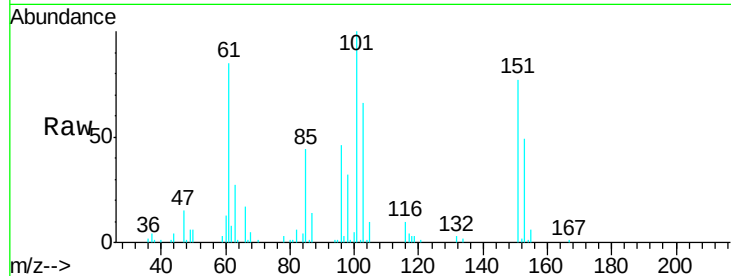
ClientSampleId :

VN1101WBS01

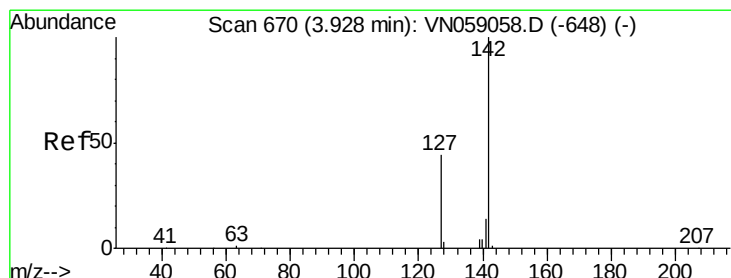
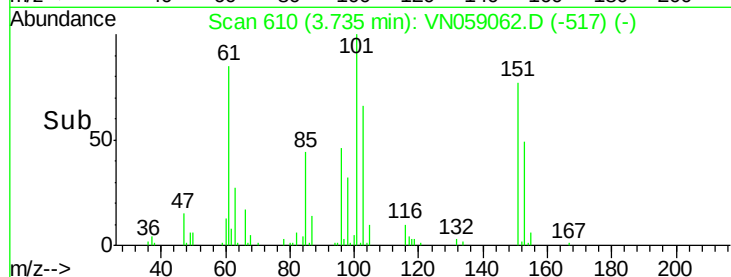
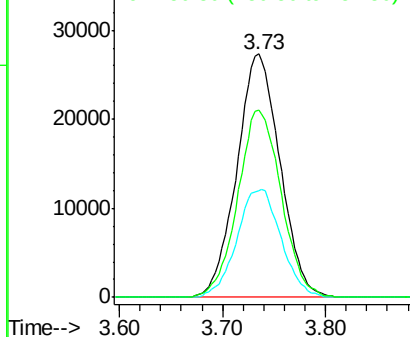
Tgt Ion:	101	Resp:	79554
Ion Ratio	Lower	Upper	
101	100		
85	45.4	35.0	52.6
151	77.3	61.3	91.9

Manual Integrations
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11/5/2019 1:59:28 PM



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.925 ug/l

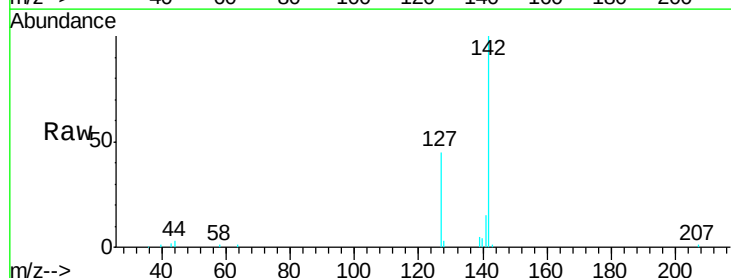
RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

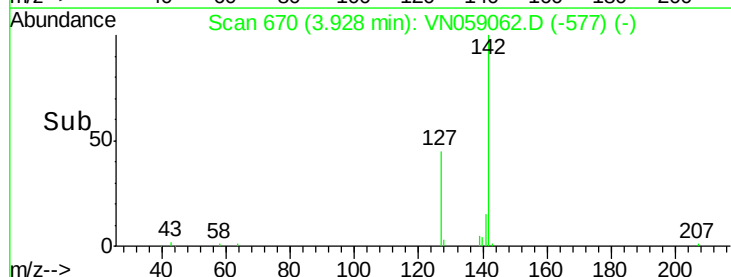
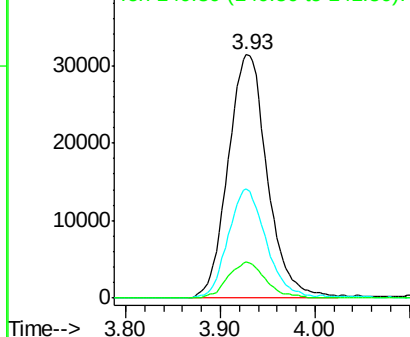
Lab File: VN059062.D

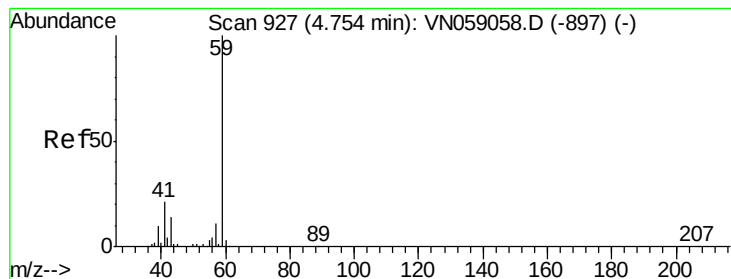
Acq: 1 Nov 2019 15:15

Tgt Ion:	142	Resp:	90536
Ion Ratio	Lower	Upper	
142	100		
127	43.3	34.2	51.2
141	14.1	11.1	16.7



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

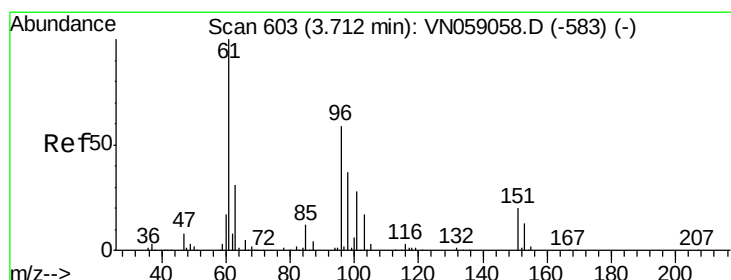
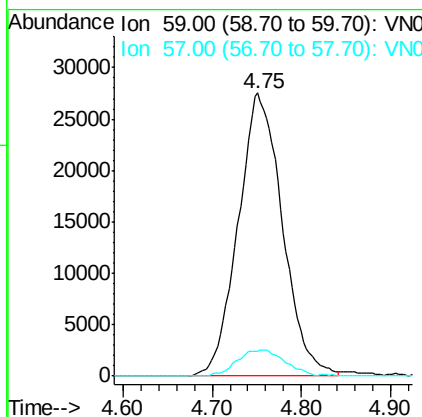
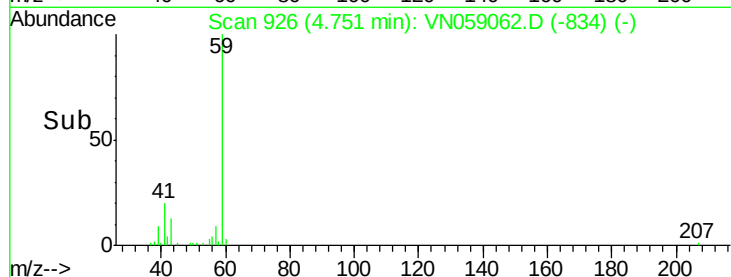
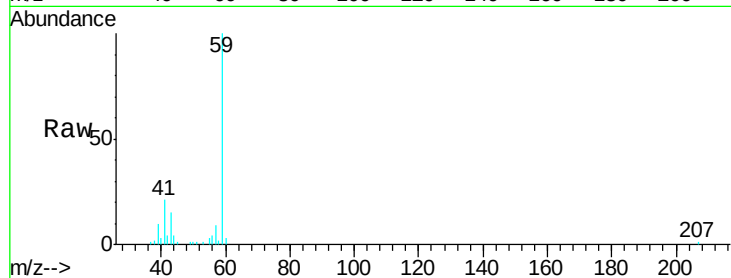
Tert butyl alcohol
 Concen: 103.043 ug/l
 RT: 4.75 min Scan# 926
 Delta R.T. -0.00 min
 Lab File: VN059062.D
 Acq: 1 Nov 2019 15:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBS01

Tgt Ion: 59 Resp: 94735
 Ion Ratio Lower Upper
 59 100
 57 10.0 8.2 12.4

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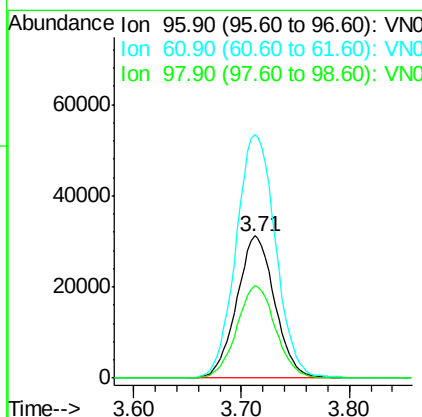
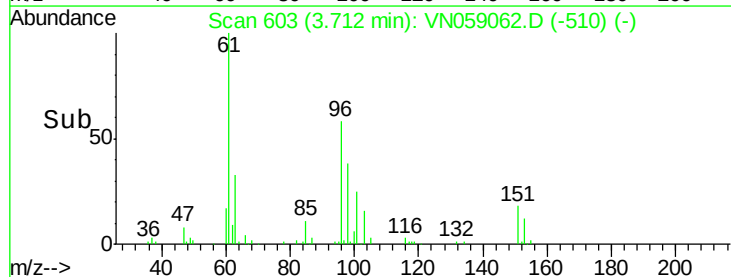
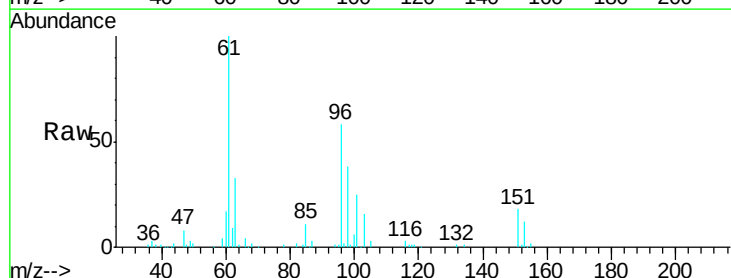
MMDadoda
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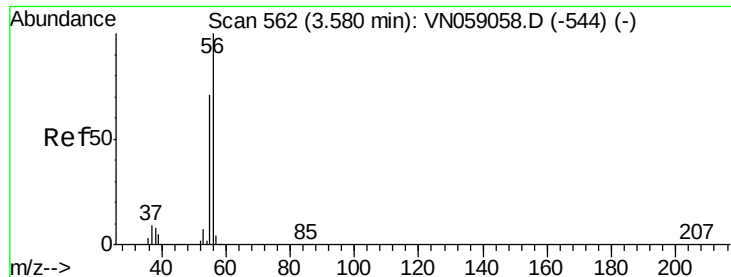


#12

1,1-Dichloroethene
 Concen: 20.613 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. 0.00 min
 Lab File: VN059062.D
 Acq: 1 Nov 2019 15:15

Tgt Ion: 96 Resp: 76637
 Ion Ratio Lower Upper
 96 100
 61 171.2 135.3 202.9
 98 65.0 49.4 74.2





#13

Acrolein

Concen: 86.291 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN059062.D

Acq: 1 Nov 2019 15:15

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBS01

Tgt Ion: 56 Resp: 50059

Ion Ratio Lower Upper

56 100

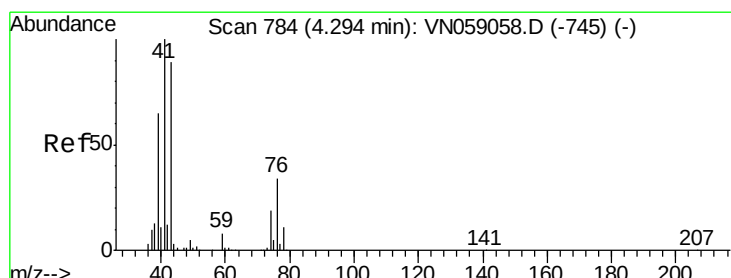
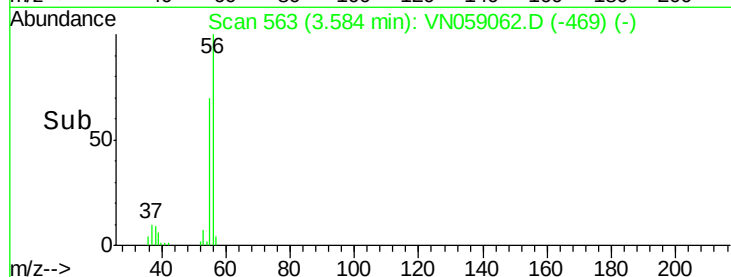
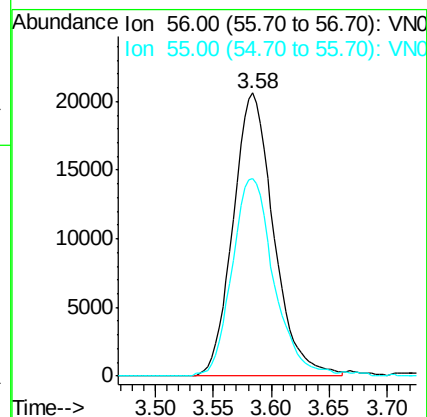
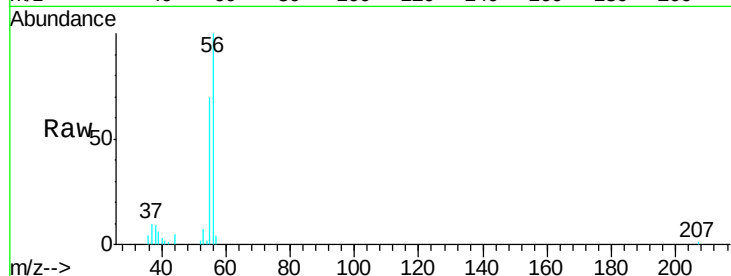
55 71.7 56.1 84.1

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#14

Allyl chloride

Concen: 20.541 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN059062.D

Acq: 1 Nov 2019 15:15

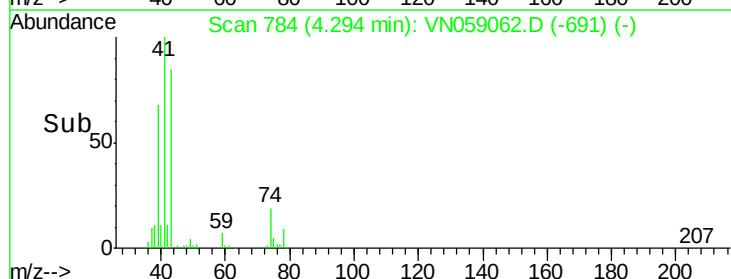
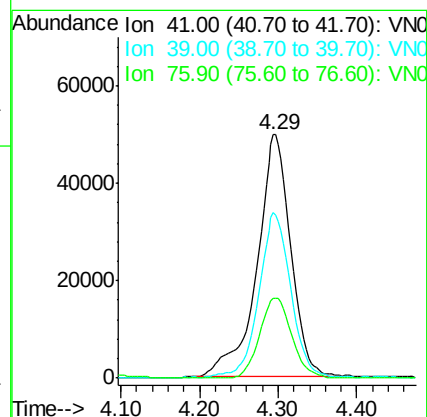
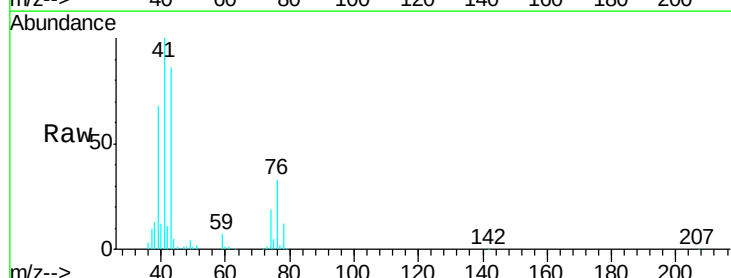
Tgt Ion: 41 Resp: 151329

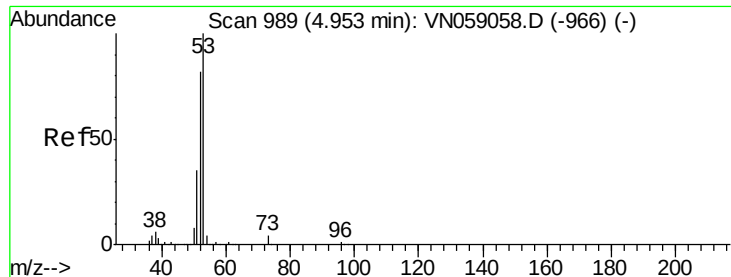
Ion Ratio Lower Upper

41 100

39 64.8 49.4 74.2

76 31.3 24.6 37.0





#15

Acrylonitrile

Concen: 105.475 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.00 min

Lab File: VN059062.D

Acq: 1 Nov 2019 15:15

Instrument :

MSVOA_N

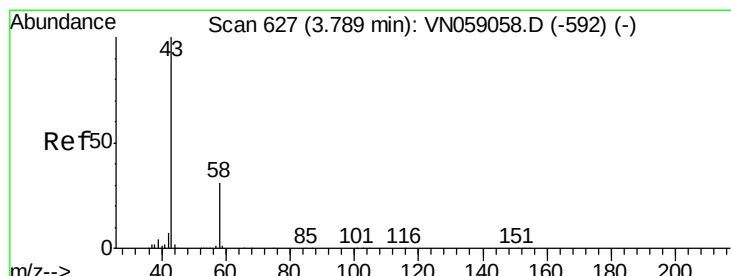
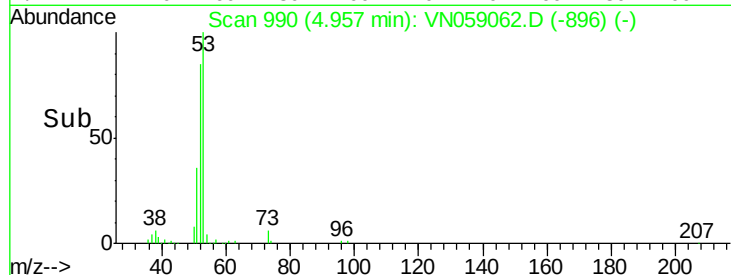
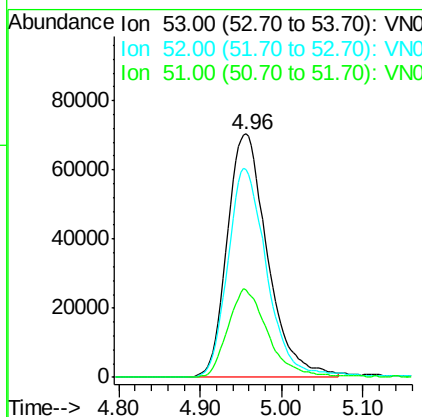
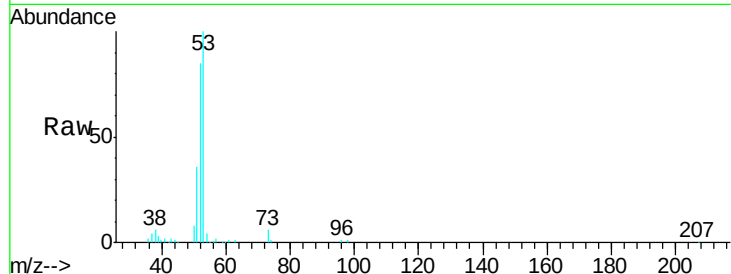
ClientSampleId :

VN1101WBS01

Tgt Ion:	53	Resp:	243254
Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.0	99.0
51	35.9	28.3	42.5

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#16

Acetone

Concen: 104.116 ug/l

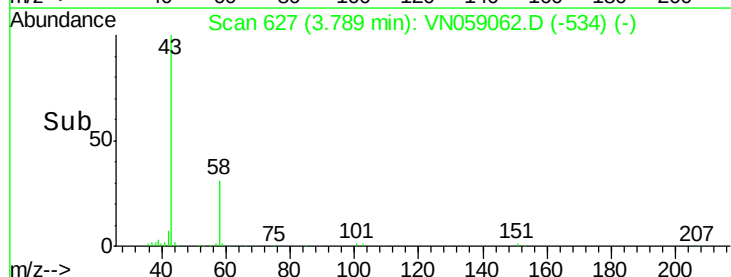
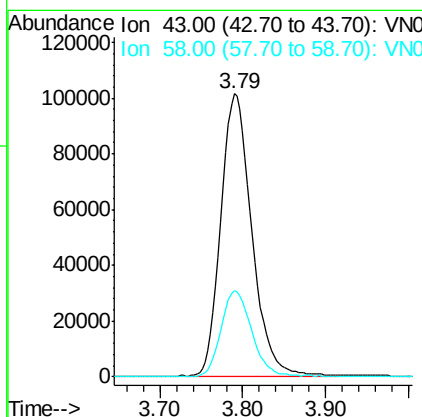
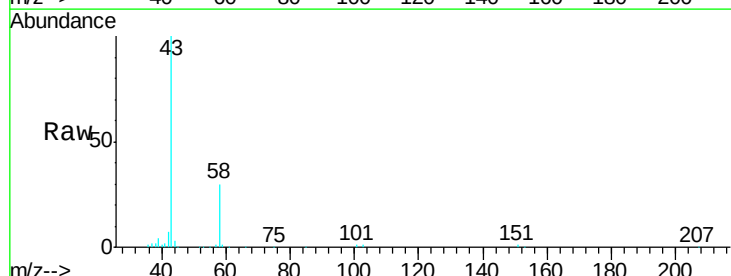
RT: 3.79 min Scan# 627

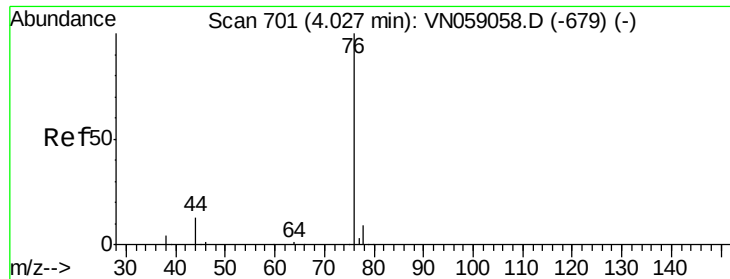
Delta R.T. 0.00 min

Lab File: VN059062.D

Acq: 1 Nov 2019 15:15

Tgt Ion:	43	Resp:	261836
Ion	Ratio	Lower	Upper
43	100		
58	30.6	25.0	37.6





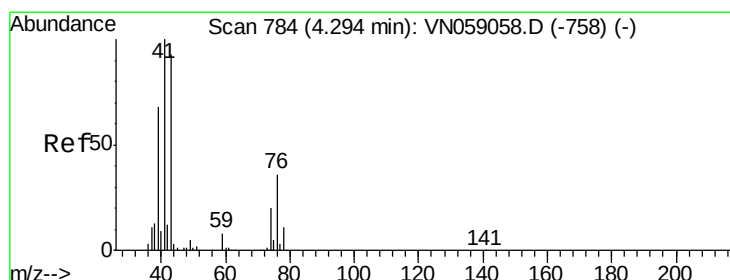
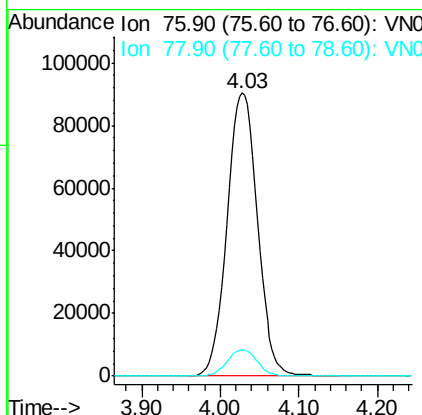
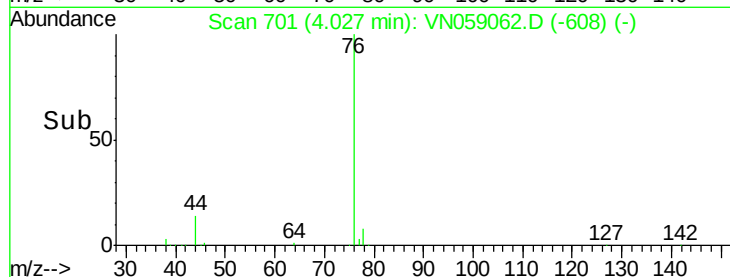
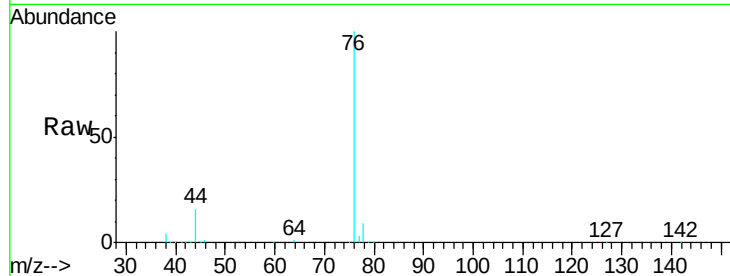
#17
Carbon Disulfide
Concen: 20.465 ug/l
RT: 4.03 min Scan# 701
Delta R.T. 0.00 min
Lab File: VN059062.D
Acq: 1 Nov 2019 15:15

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion: 76 Resp: 241895
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.6

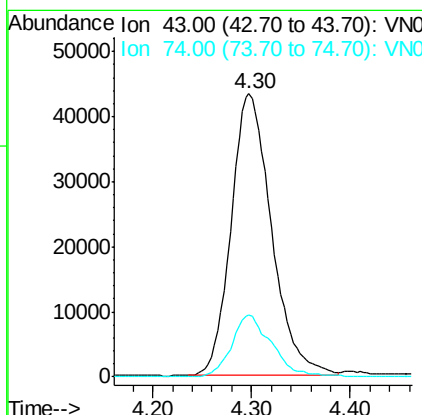
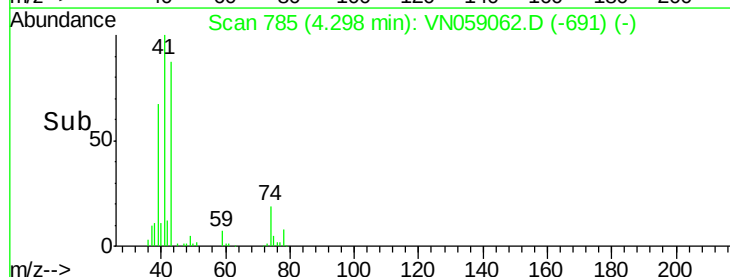
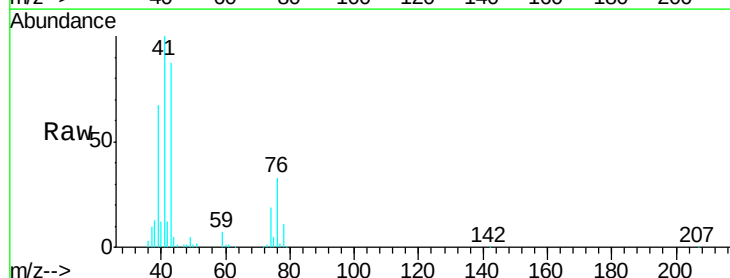
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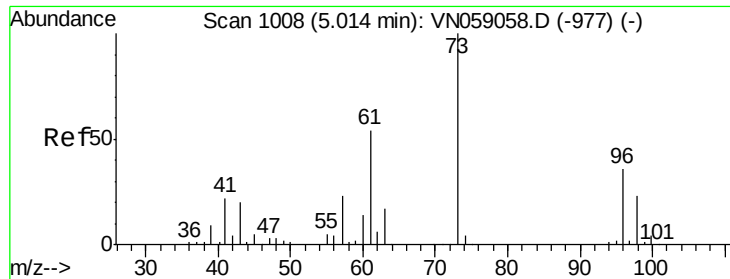
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11/5/2019 1:59:28 PM



#18
Methyl Acetate
Concen: 19.389 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN059062.D
Acq: 1 Nov 2019 15:15

Tgt Ion: 43 Resp: 123527
Ion Ratio Lower Upper
43 100
74 21.6 17.5 26.3





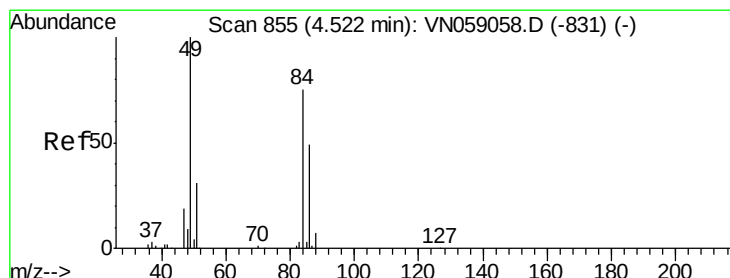
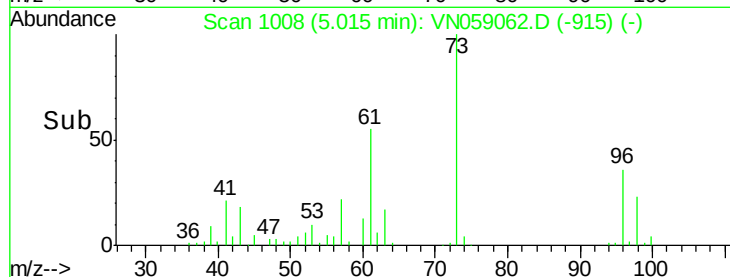
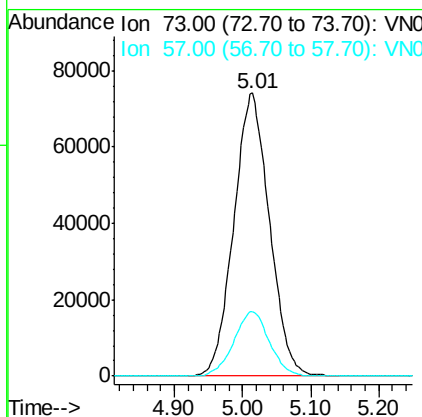
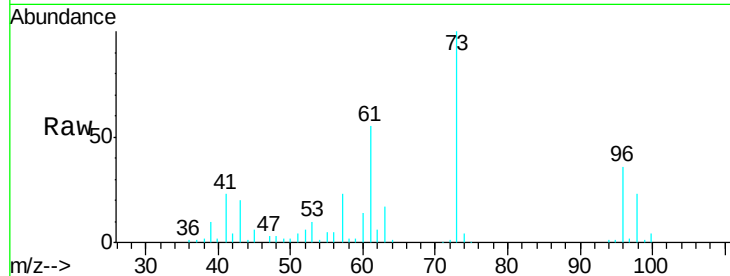
#19
Methyl tert-butyl Ether
Concen: 21.238 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN059062.D
Acq: 1 Nov 2019 15:15

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion: 73 Resp: 268933
Ion Ratio Lower Upper
73 100
57 22.6 18.4 27.6

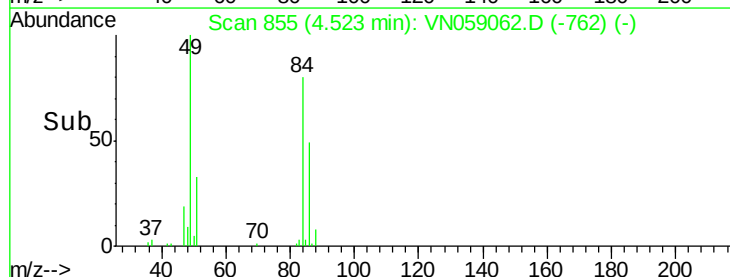
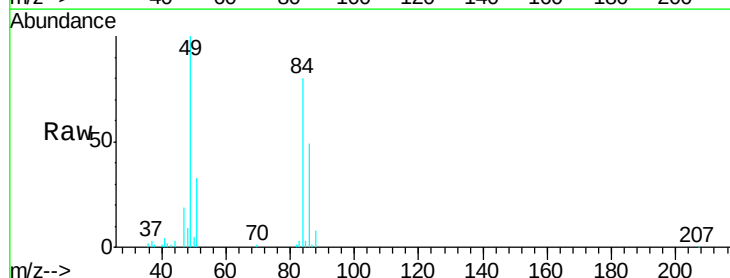
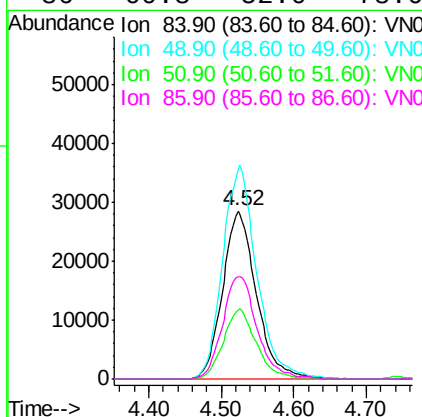
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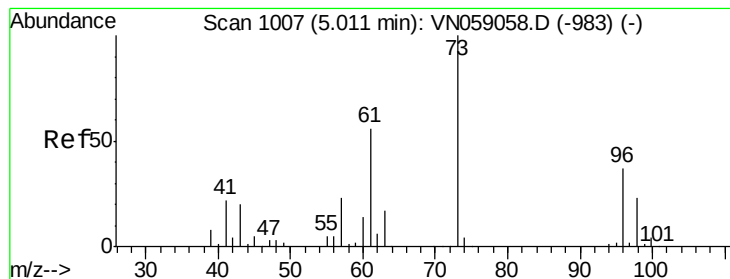
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11/5/2019 1:59:28 PM



#20
Methylene Chloride
Concen: 20.910 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059062.D
Acq: 1 Nov 2019 15:15

Tgt Ion: 84 Resp: 92059
Ion Ratio Lower Upper
84 100
49 125.3 106.4 159.6
51 41.2 33.0 49.4
86 60.8 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 21.054 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN059062.D

Acq: 1 Nov 2019 15:15

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBS01

Tgt Ion: 96 Resp: 84037

Ion Ratio Lower Upper

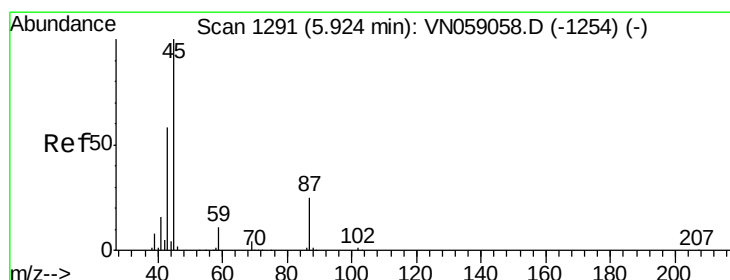
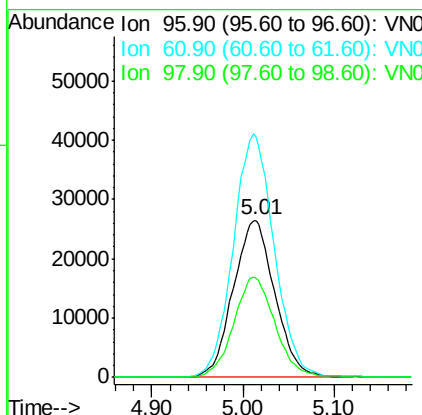
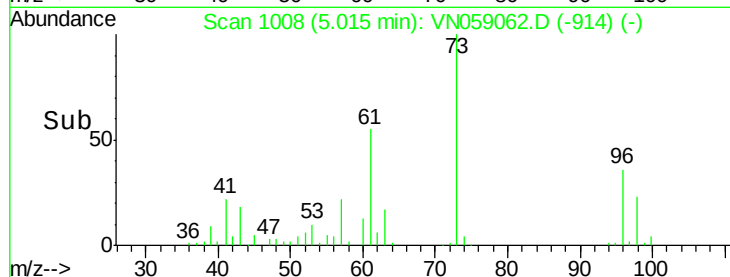
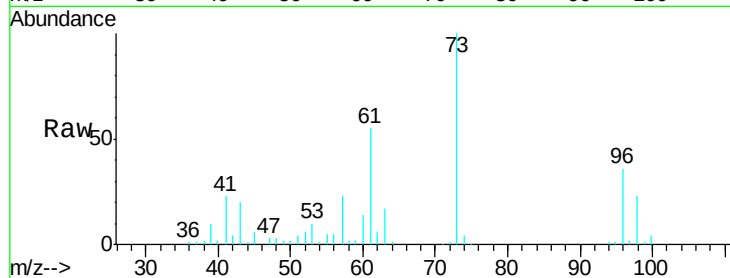
96 100

61 153.0 121.7 182.5

98 63.0 50.6 76.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.649 ug/l

RT: 5.92 min Scan# 1291

Delta R.T. 0.00 min

Lab File: VN059062.D

Acq: 1 Nov 2019 15:15

Tgt Ion: 45 Resp: 303793

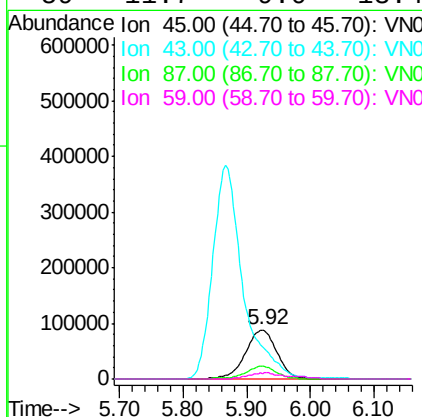
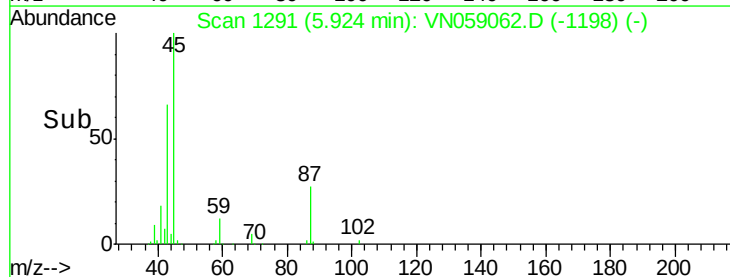
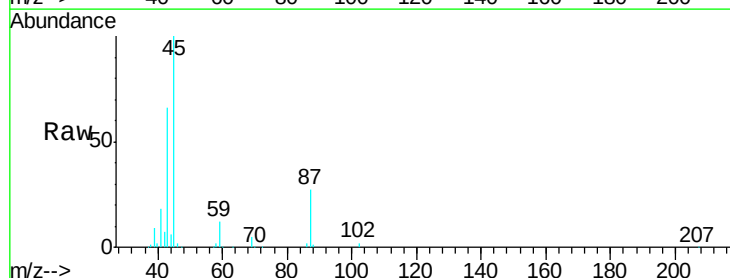
Ion Ratio Lower Upper

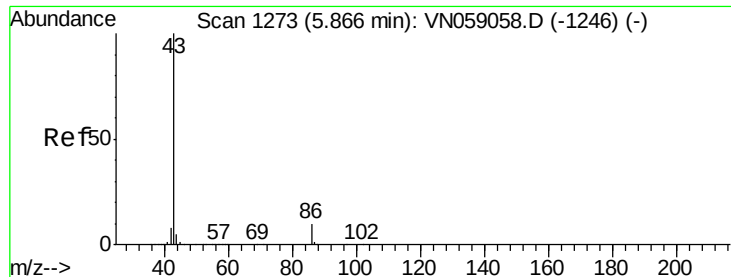
45 100

43 64.6 46.9 70.3

87 26.7 20.1 30.1

59 11.7 9.0 13.4





#23

Vinyl Acetate

Concen: 113.665 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VN059062.D

Acq: 1 Nov 2019 15:15

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBS01

Tgt Ion: 43 Resp: 1270405

Ion Ratio Lower Upper

43 100

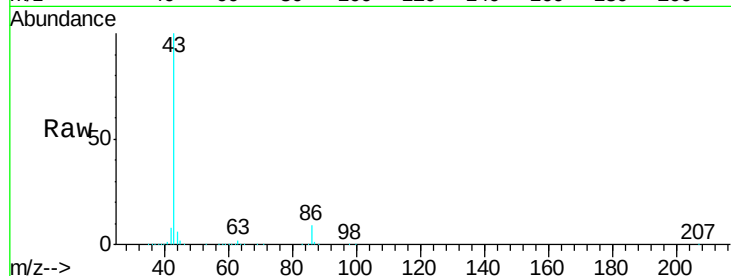
86 9.2 7.6 11.4

Manual Integrations

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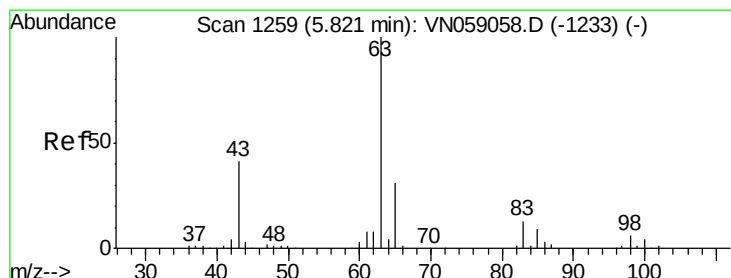
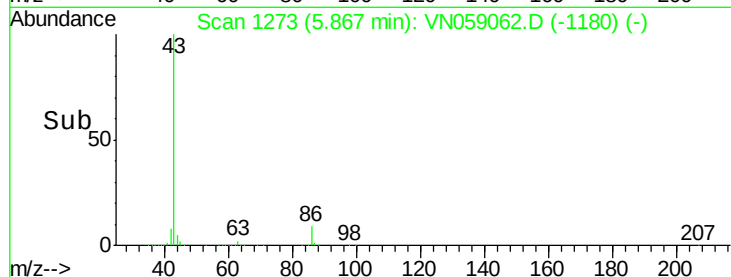
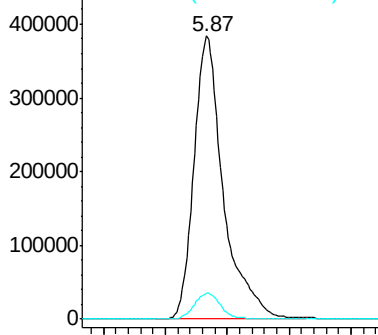
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.875 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VN059062.D

Acq: 1 Nov 2019 15:15

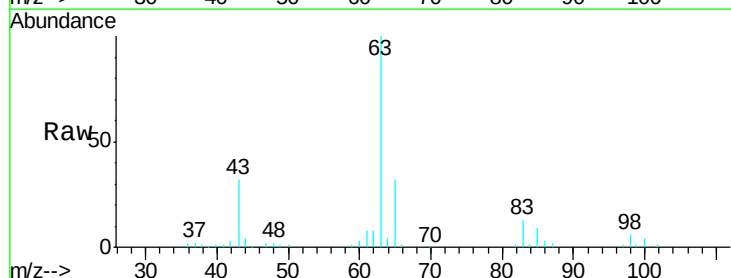
Tgt Ion: 63 Resp: 167476

Ion Ratio Lower Upper

63 100

98 6.3 3.2 9.6

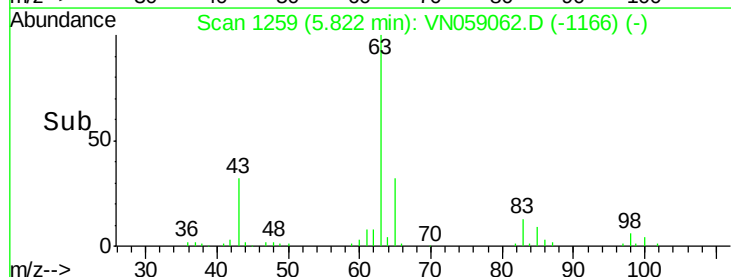
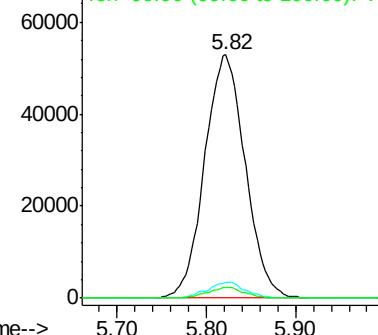
100 4.4 2.0 6.0

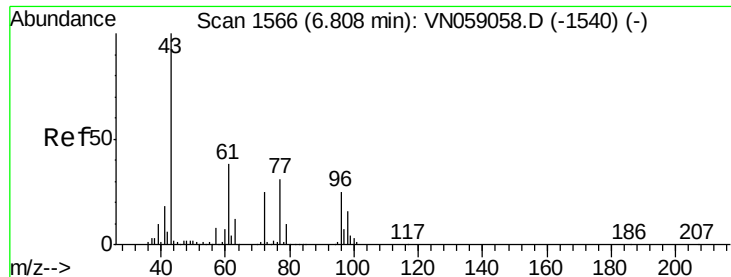


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 105.268 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN059062.D

Acq: 1 Nov 2019 15:15

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBS01

Tgt Ion: 43 Resp: 352503

Ion Ratio Lower Upper

43 100

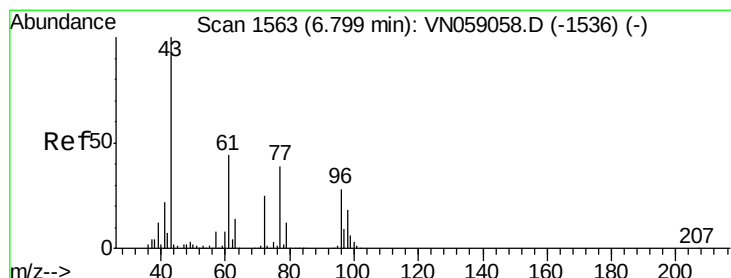
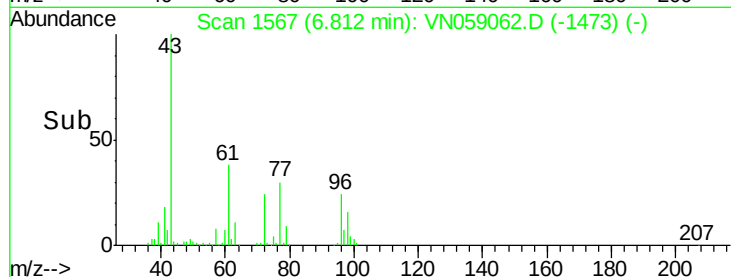
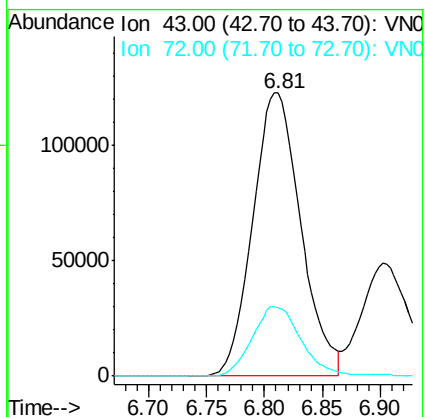
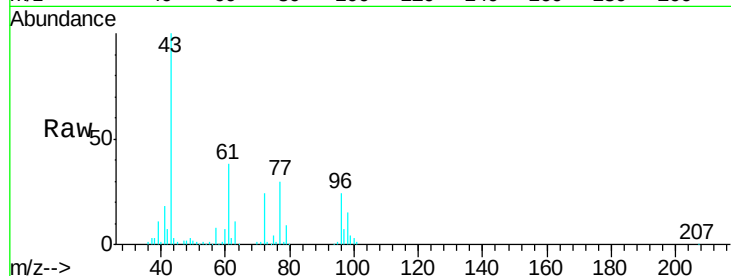
72 24.2 19.9 29.9

Manual Integrations

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11/5/2019 1:59:28 PM



#26

2,2-Dichloropropane

Concen: 20.809 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059062.D

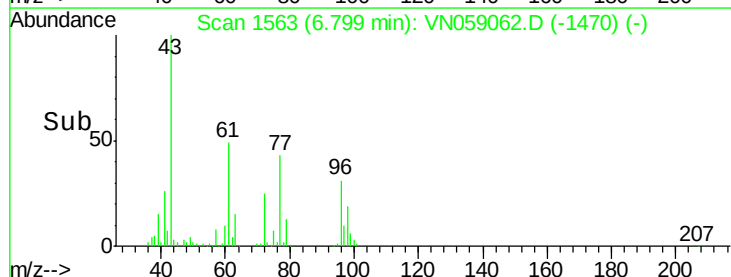
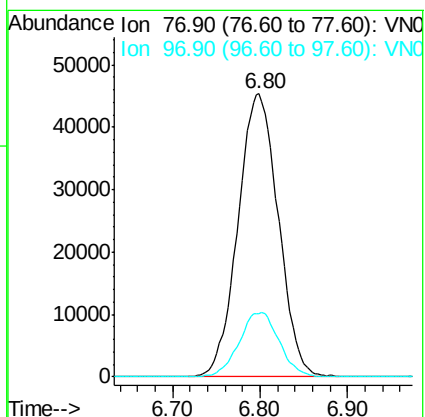
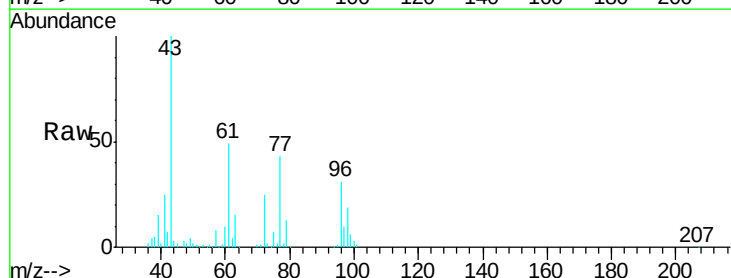
Acq: 1 Nov 2019 15:15

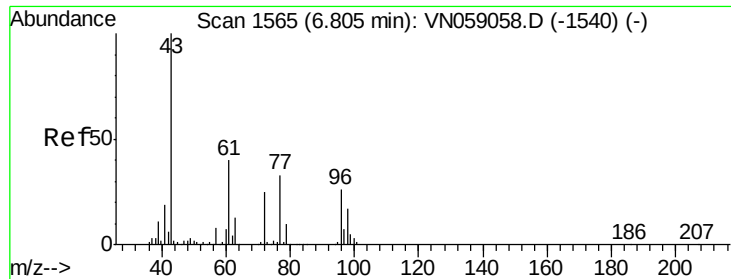
Tgt Ion: 77 Resp: 144904

Ion Ratio Lower Upper

77 100

97 22.5 10.9 32.9





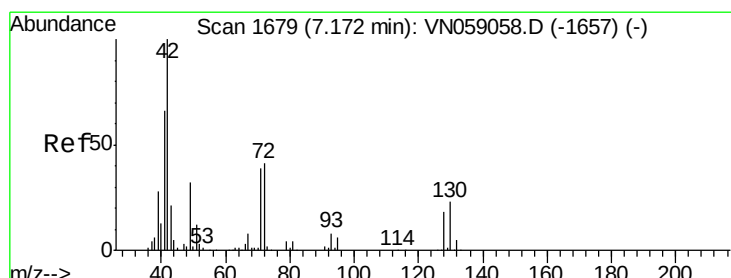
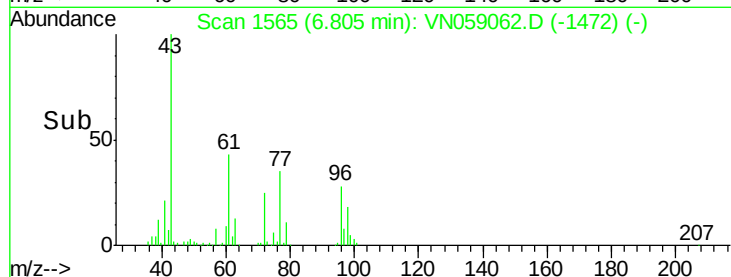
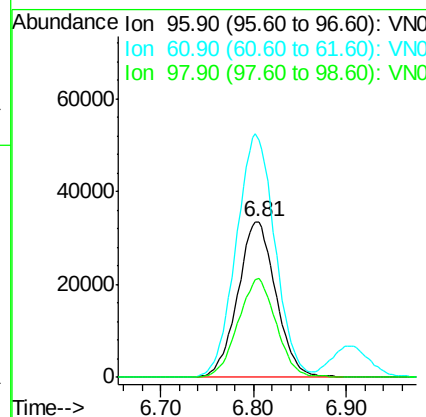
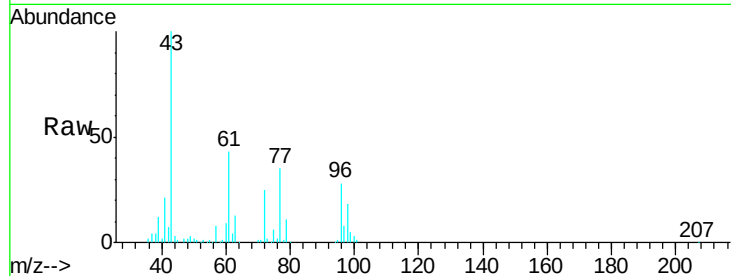
#27
 cis-1,2-Dichloroethene
 Concen: 21.234 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: VN059062.D
 Acq: 1 Nov 2019 15:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	95430		
61	158.9	0.0	316.4	
98	63.4	0.0	128.2	

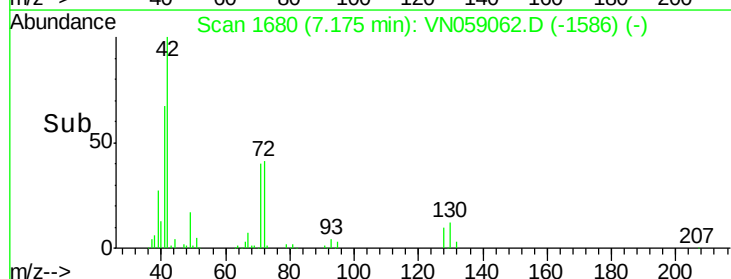
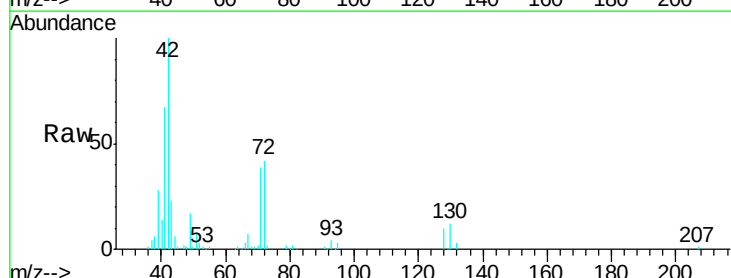
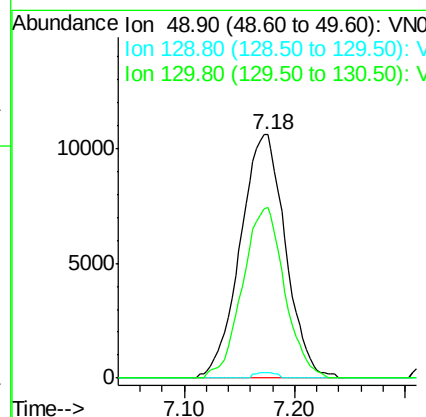
Manual Integrations
 APPROVED

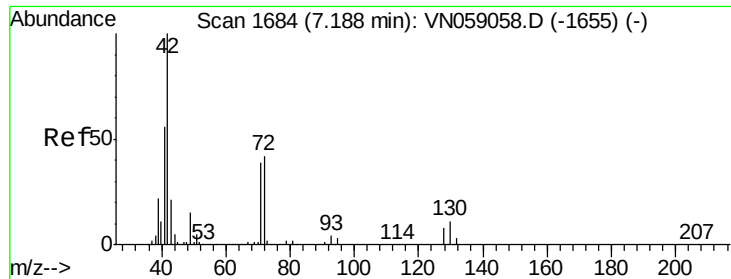
MMDadoda
 11/5/2019 1:59:28 PM



#28
 Bromochloromethane
 Concen: 12.181 ug/l
 RT: 7.18 min Scan# 1680
 Delta R.T. 0.00 min
 Lab File: VN059062.D
 Acq: 1 Nov 2019 15:15

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	30161		
129	1.1	0.0	3.4	
130	65.1	55.0	82.6	





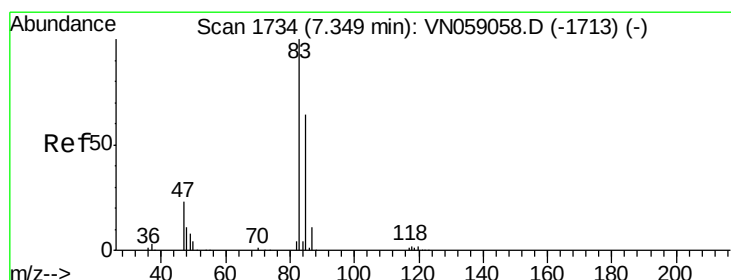
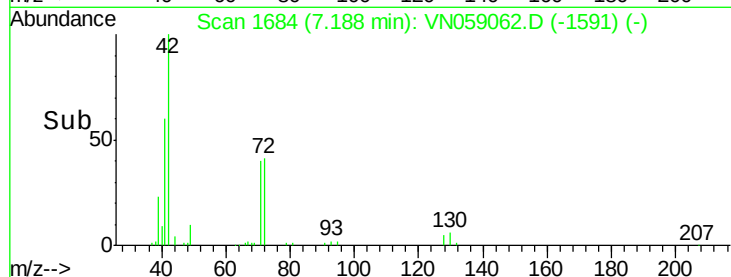
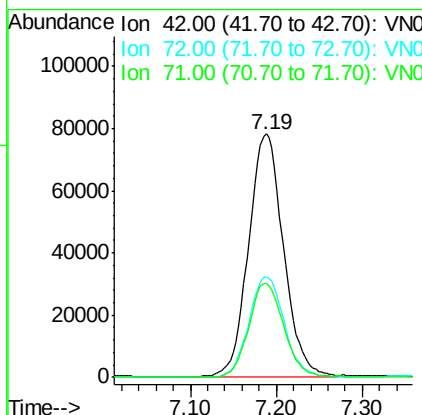
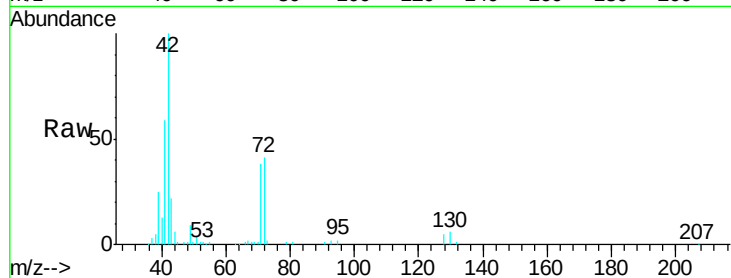
#29
Tetrahydrofuran
Concen: 105.508 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059062.D
Acq: 1 Nov 2019 15:15

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	41.5	32.7	49.1
71	38.5	31.2	46.8

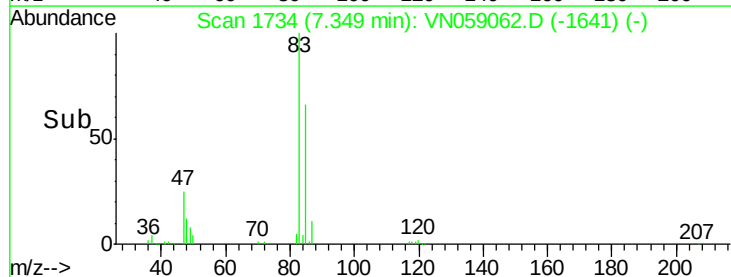
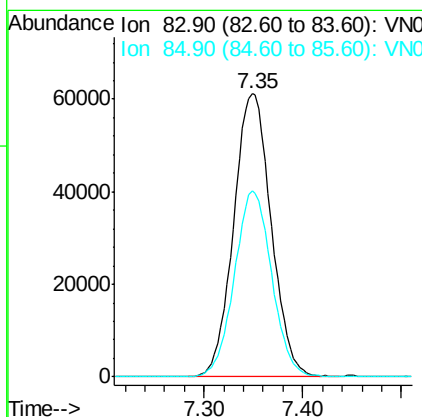
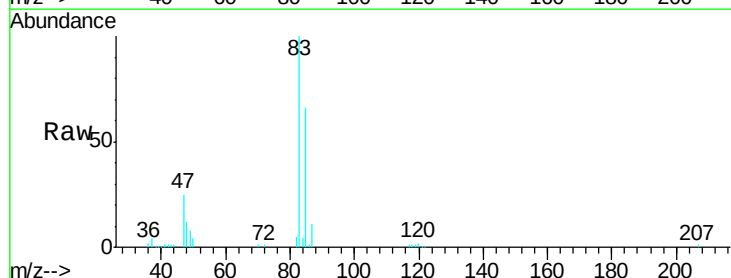
Manual Integrations
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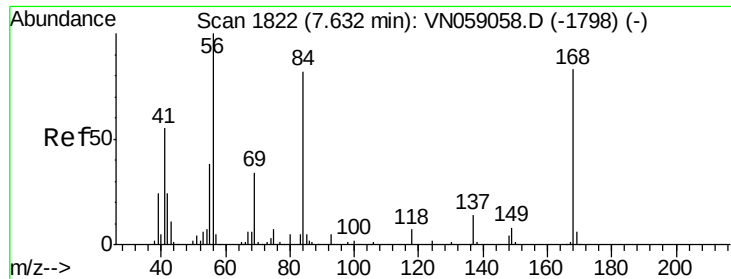
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#30
Chloroform
Concen: 21.034 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN059062.D
Acq: 1 Nov 2019 15:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	50.9	76.3





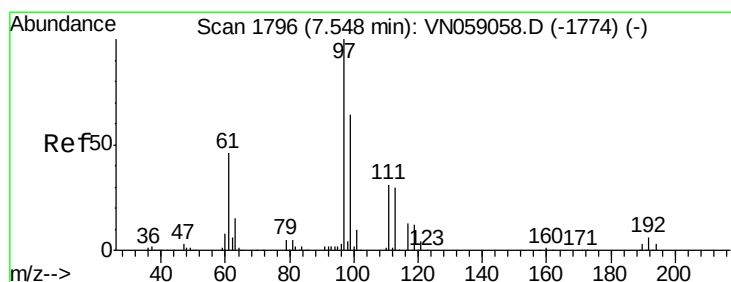
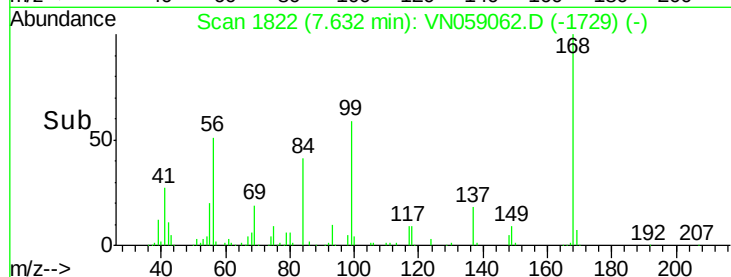
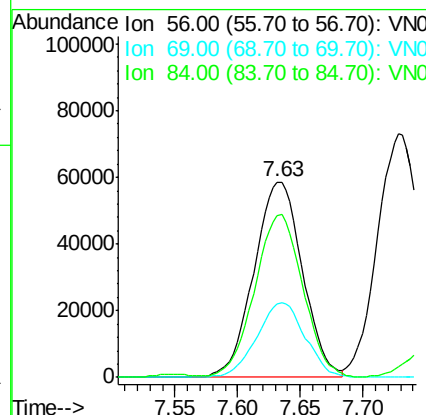
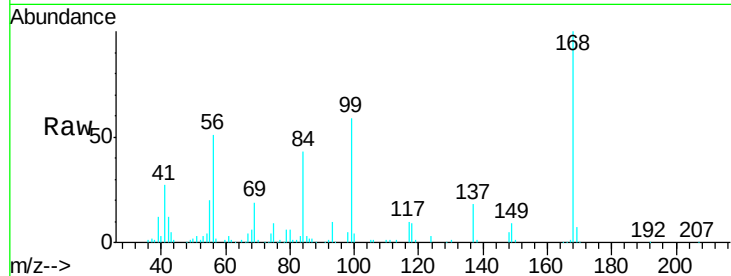
#31
Cyclohexane
Concen: 20.585 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN059062.D
Acq: 1 Nov 2019 15:15

Instrument :
MSVOA_N
ClientSampled :
VN1101WBS01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	37.4	27.2	40.8
84	81.9	65.2	97.8

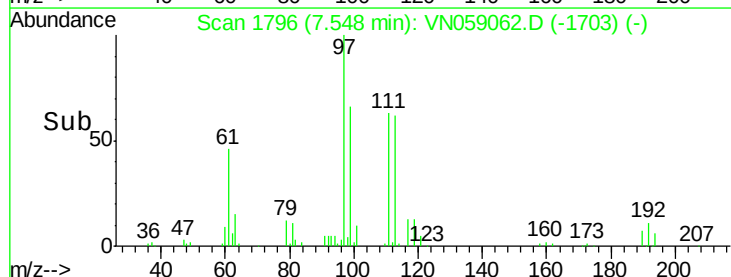
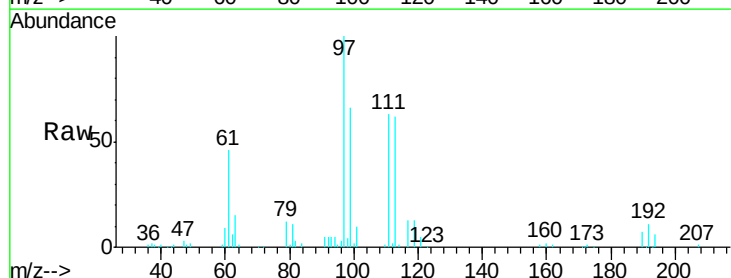
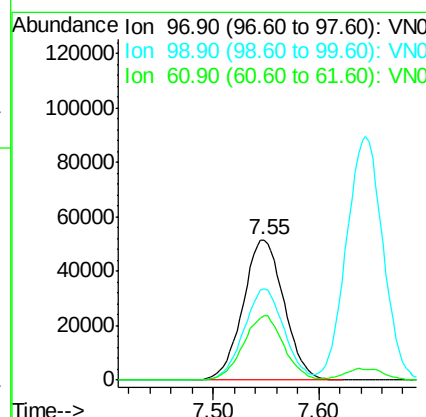
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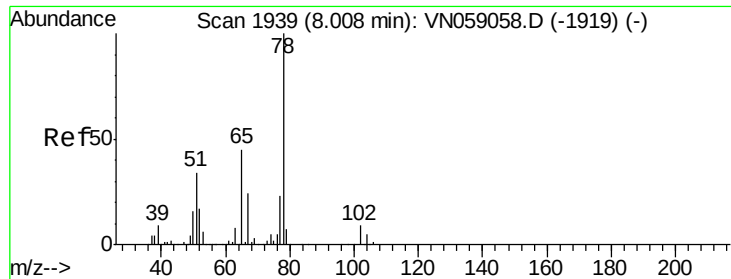
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11/5/2019 1:59:28 PM



#32
1,1,1-Trichloroethane
Concen: 21.436 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN059062.D
Acq: 1 Nov 2019 15:15

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	50.7	76.1
61	45.6	36.3	54.5





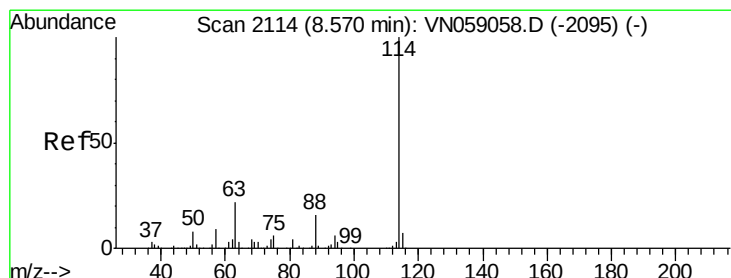
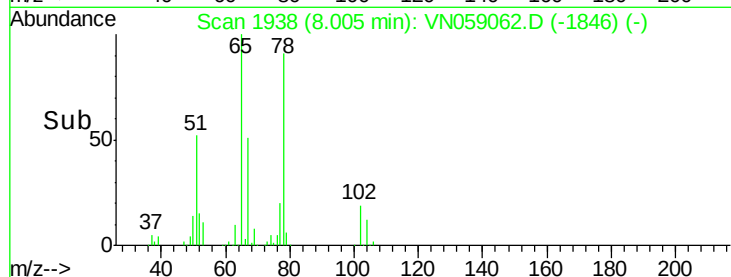
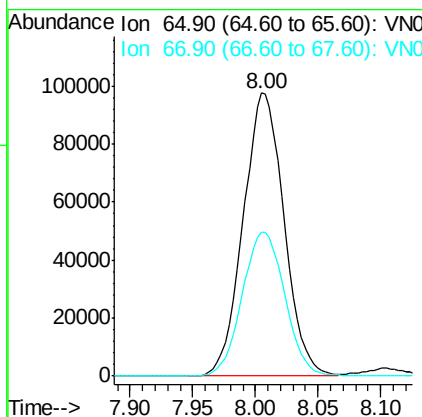
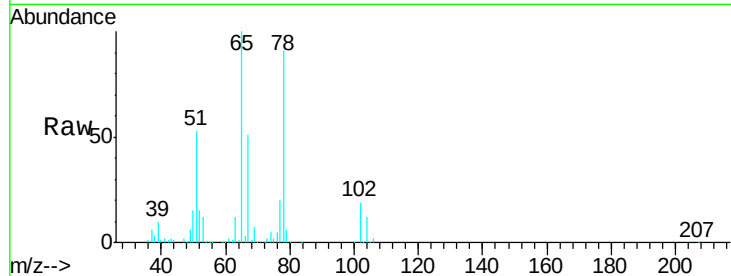
#33
 1,2-Dichloroethane-d4
 Concen: 44.628 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059062.D
 Acq: 1 Nov 2019 15:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBS01

Tgt Ion: 65 Resp: 221690
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 107.6

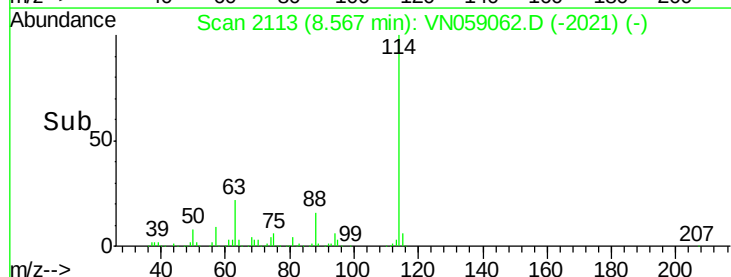
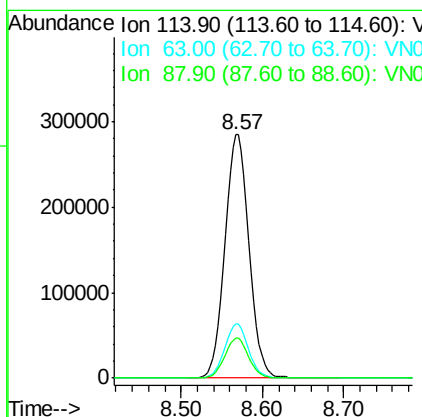
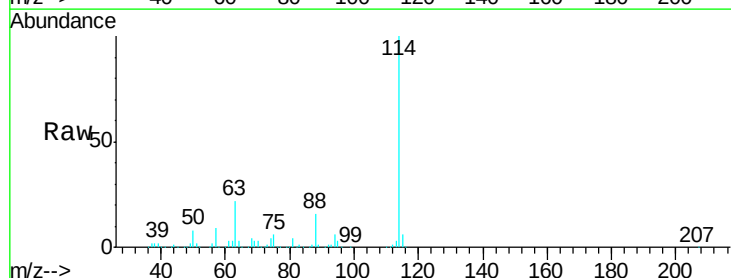
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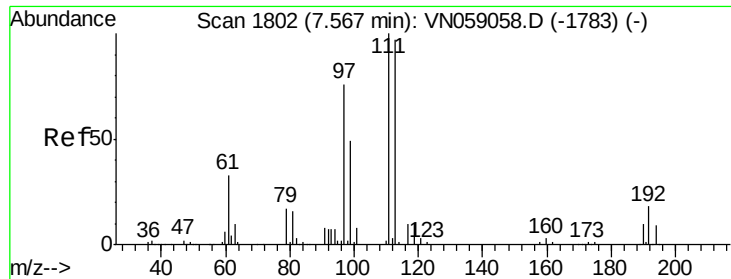
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059062.D
 Acq: 1 Nov 2019 15:15

Tgt Ion: 114 Resp: 594765
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 43.2
 88 16.3 0.0 33.0





#35

Dibromofluoromethane

Concen: 43.766 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN059062.D

Acq: 1 Nov 2019 15:15

Instrument :

MSVOA_N

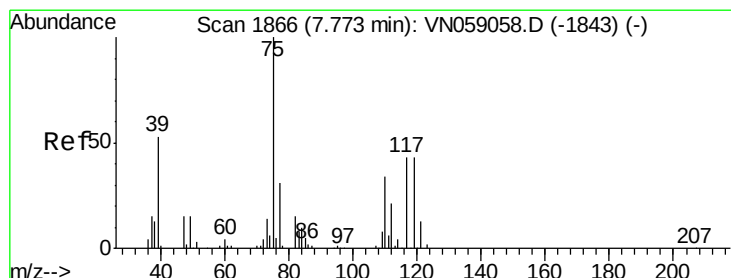
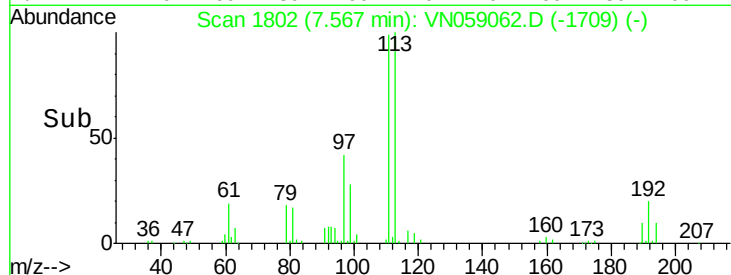
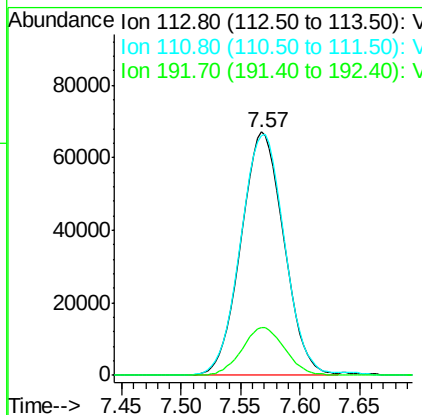
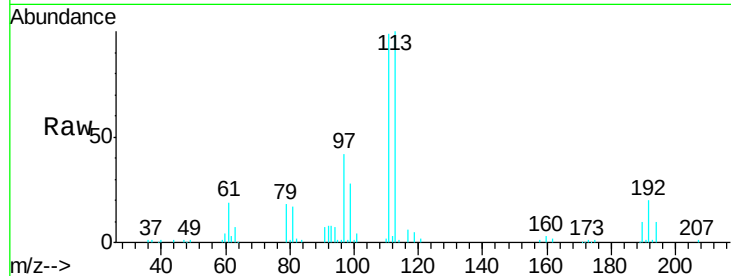
ClientSampleId :

VN1101WBS01

Tgt Ion:	113	Resp:	167930
Ion Ratio	Lower	Upper	
113	100		
111	102.2	82.9	124.3
192	19.7	15.9	23.9

Manual Integrations
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11/5/2019 1:59:28 PM



#36

1,1-Dichloropropene

Concen: 20.821 ug/l

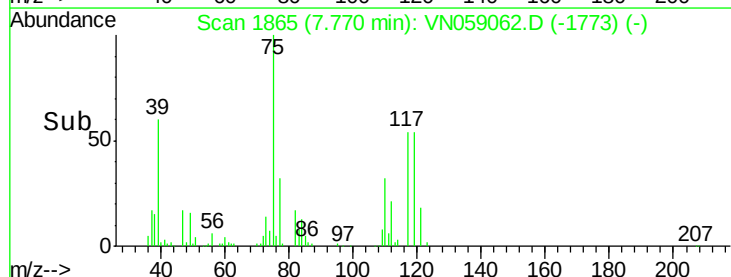
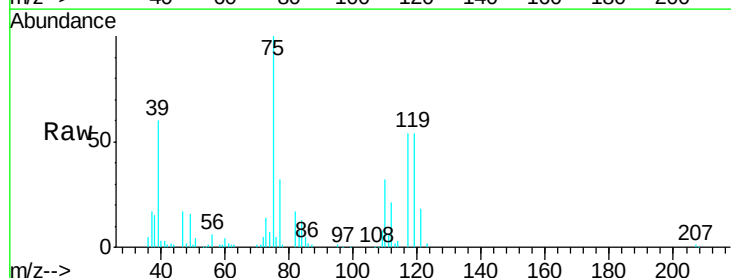
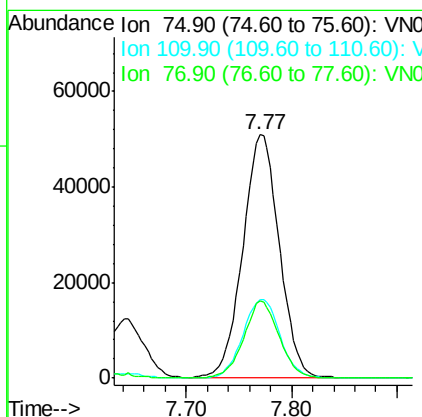
RT: 7.77 min Scan# 1865

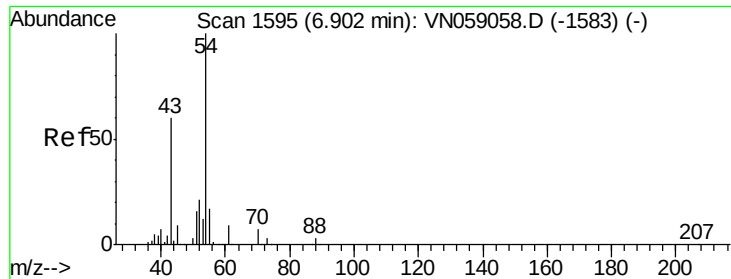
Delta R.T. -0.00 min

Lab File: VN059062.D

Acq: 1 Nov 2019 15:15

Tgt Ion:	75	Resp:	123077
Ion Ratio	Lower	Upper	
75	100		
110	32.8	16.9	50.6
77	30.5	25.0	37.4





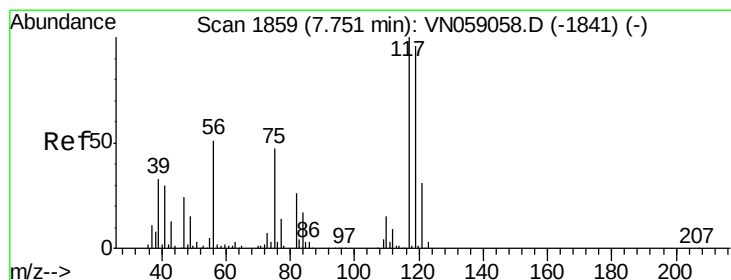
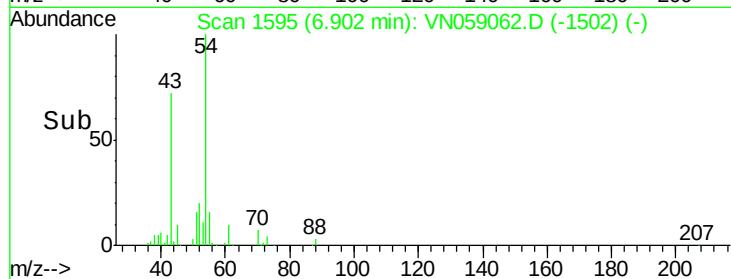
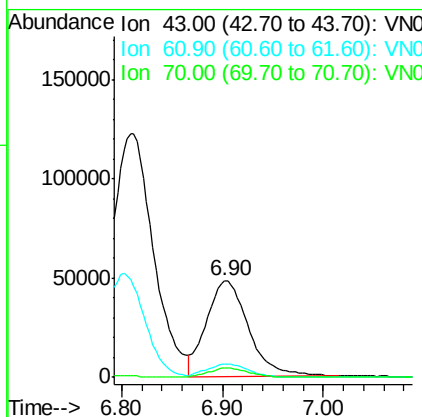
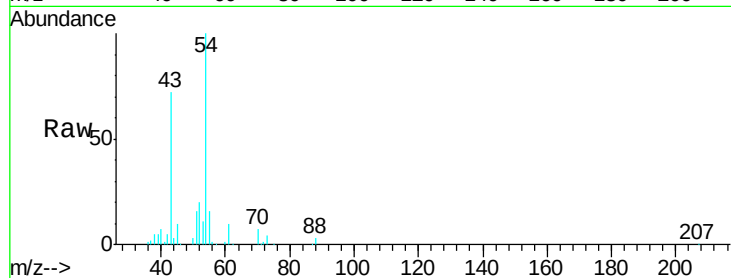
#37
Ethyl Acetate
Concen: 21.302 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VN059062.D
Acq: 1 Nov 2019 15:15

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.2	16.8
70	9.6	8.0	12.0

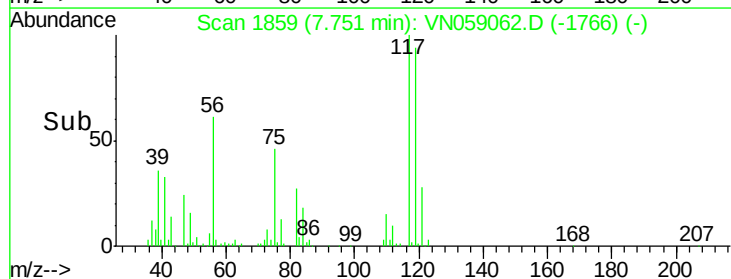
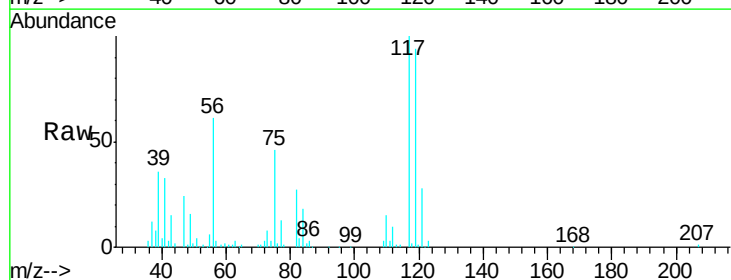
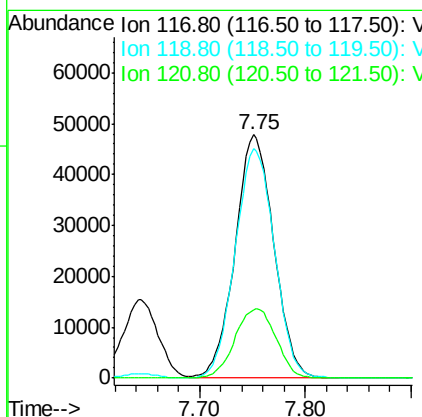
Manual Integrations
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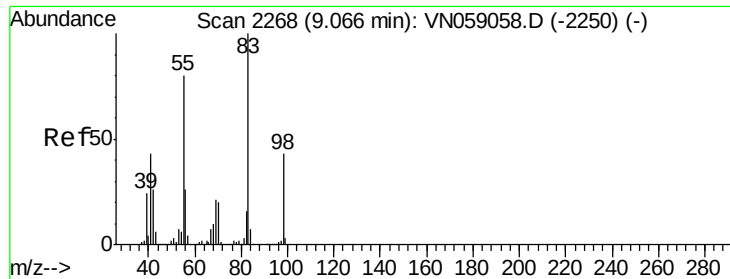
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#38
Carbon Tetrachloride
Concen: 21.219 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059062.D
Acq: 1 Nov 2019 15:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.4	76.6	114.8
121	27.8	24.6	37.0





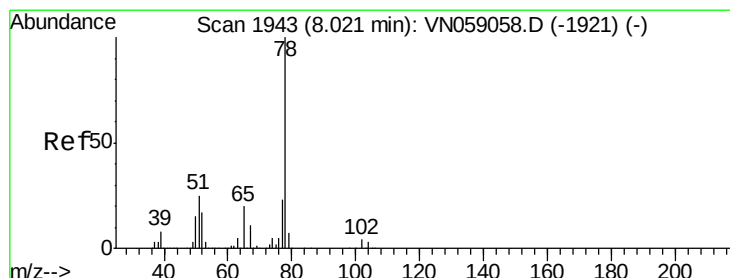
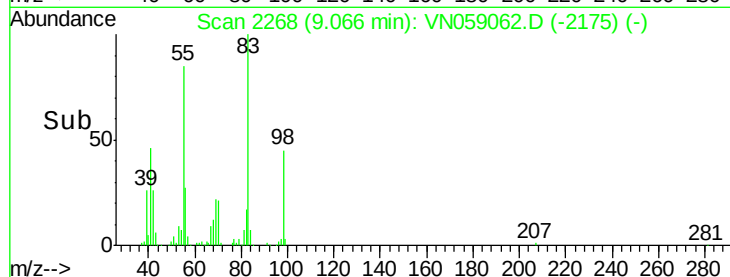
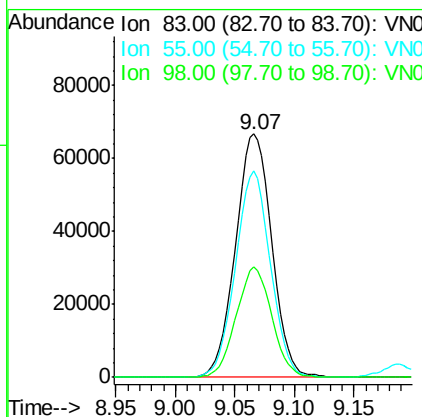
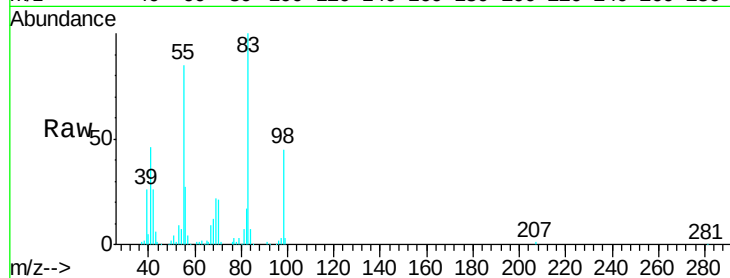
#39
Methylcyclohexane
Concen: 20.647 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059062.D
Acq: 1 Nov 2019 15:15

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	84.6	64.1	96.1
98	45.4	34.3	51.5

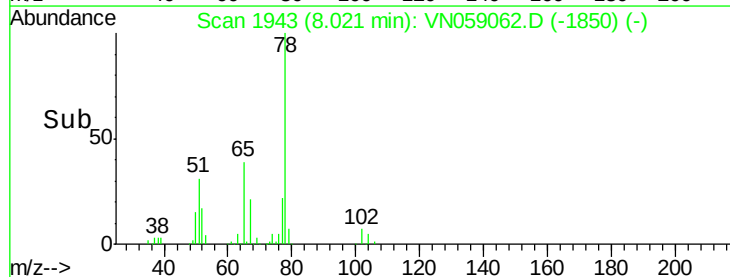
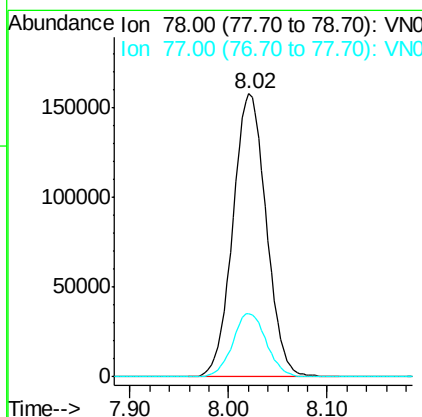
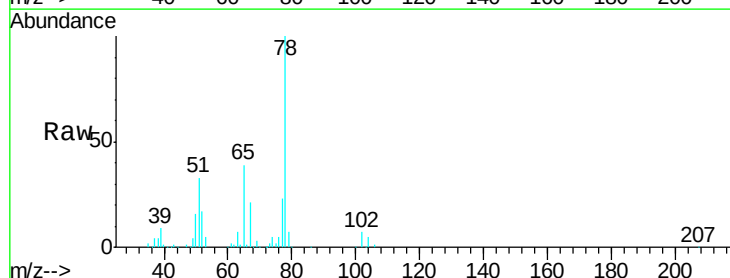
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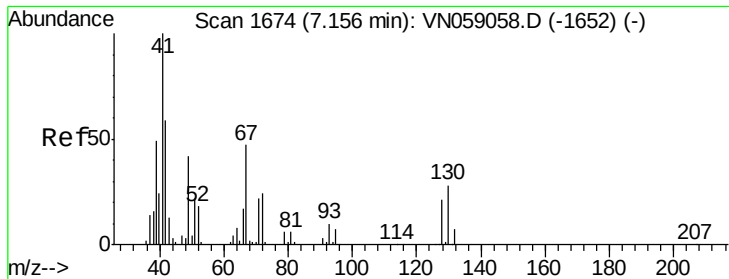
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#40
Benzene
Concen: 21.149 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059062.D
Acq: 1 Nov 2019 15:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.5	18.6	27.8





#41

Methacrylonitrile

Concen: 21.048 ug/l m

RT: 7.15 min Scan# 1672

Delta R.T. -0.01 min

Lab File: VN059062.D

Acq: 1 Nov 2019 15:15

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBS01

Tgt Ion: 41 Resp: 59778

Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

67 0.0 0.0 0.0

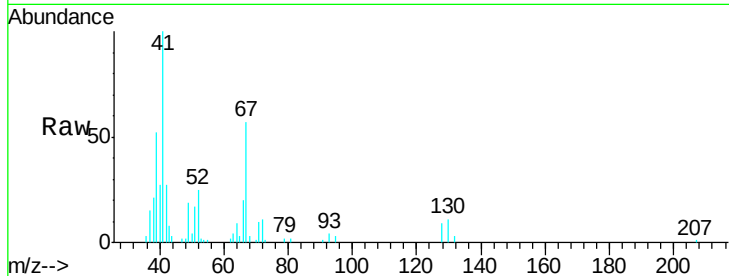
52 0.0 0.0 0.0

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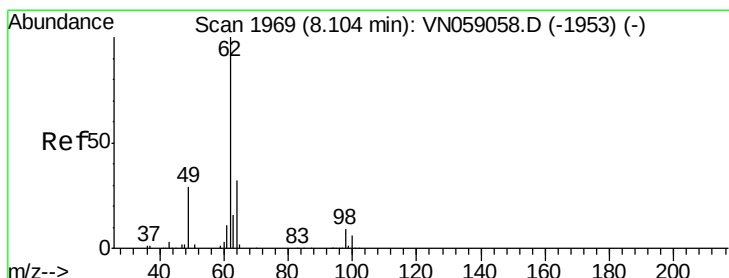
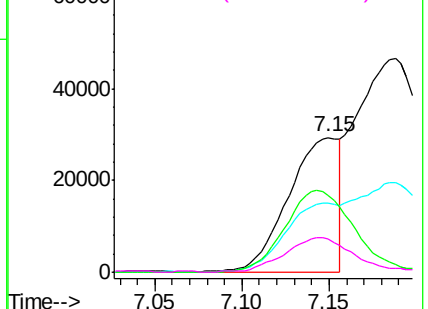
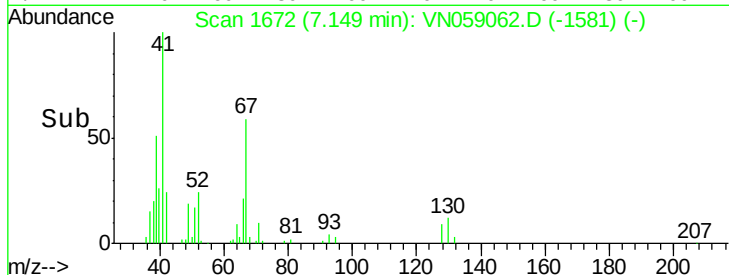


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 21.383 ug/l

RT: 8.10 min Scan# 1969

Delta R.T. 0.00 min

Lab File: VN059062.D

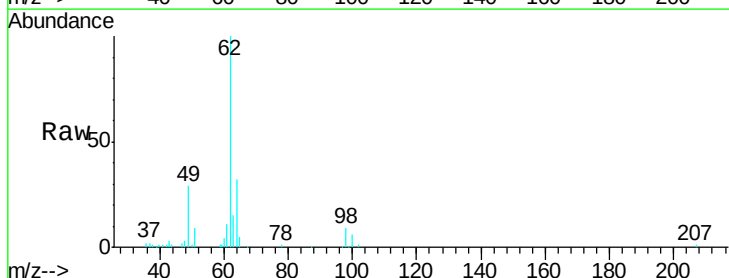
Acq: 1 Nov 2019 15:15

Tgt Ion: 62 Resp: 130275

Ion Ratio Lower Upper

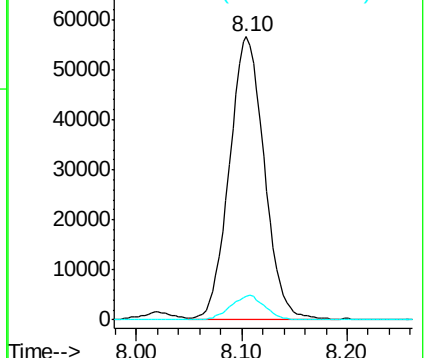
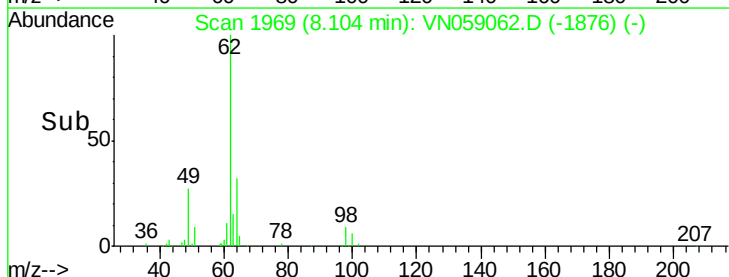
62 100

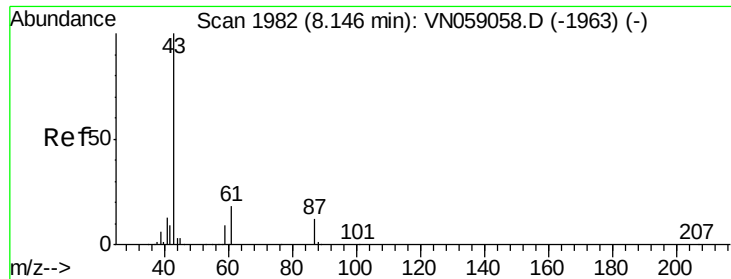
98 8.3 0.0 18.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 20.861 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. -0.00 min

Lab File: VN059062.D

Acq: 1 Nov 2019 15:15

Instrument :

MSVOA_N

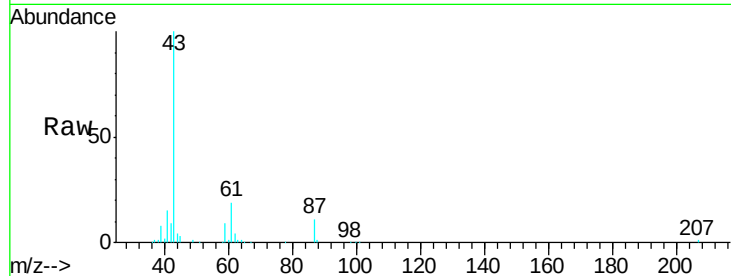
ClientSampleId :

VN1101WBS01

Tgt Ion:	43	Resp:	214269
Ion	Ratio	Lower	Upper
43	100		
61	20.9	20.5	30.7
87	12.1	9.8	14.8

Manual Integrations
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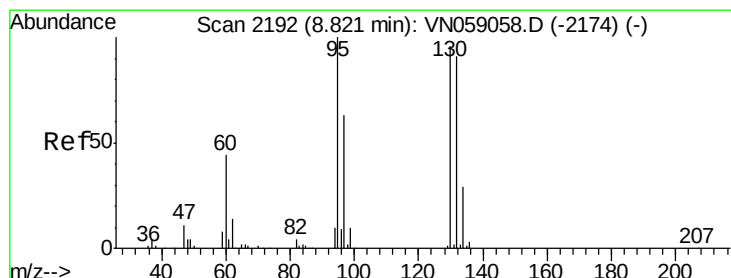
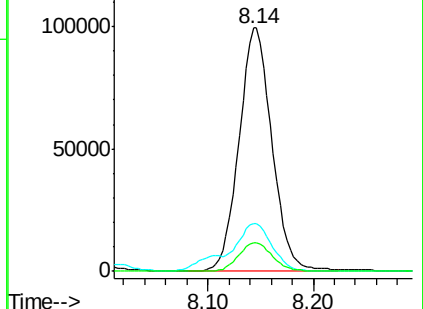
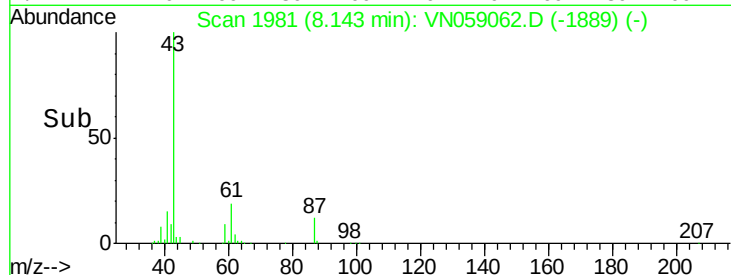


Abundance Ion 43.00 (42.70 to 43.70): VN059058.D (-1963) (-)

Ion 61.00 (60.70 to 61.70): VN059058.D (-1963) (-)

Ion 87.00 (86.70 to 87.70): VN059058.D (-1963) (-)

Time-->



#44

Trichloroethene

Concen: 20.817 ug/l

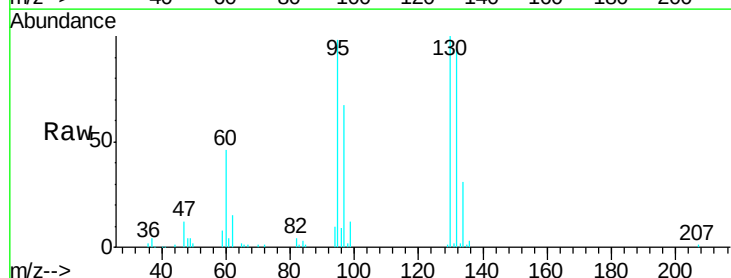
RT: 8.82 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VN059062.D

Acq: 1 Nov 2019 15:15

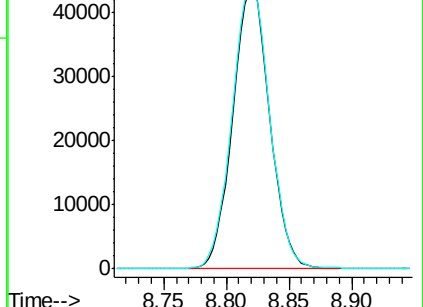
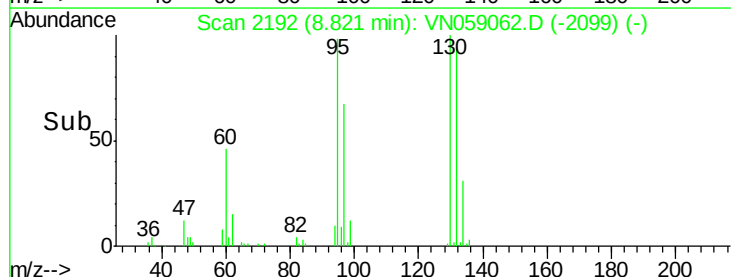
Tgt Ion:	130	Resp:	89854
Ion	Ratio	Lower	Upper
130	100		
95	98.4	0.0	207.6

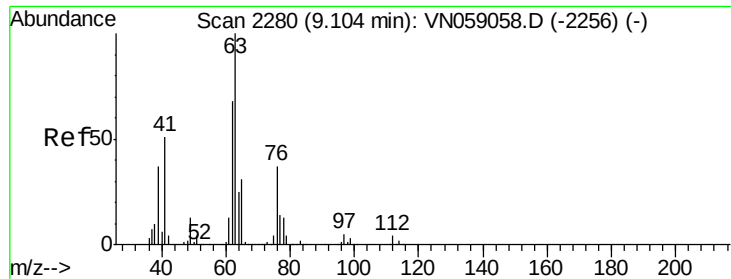


Abundance Ion 129.80 (129.50 to 130.50): VN059058.D (-2174) (-)

Ion 94.90 (94.60 to 95.60): VN059058.D (-2174) (-)

Time-->





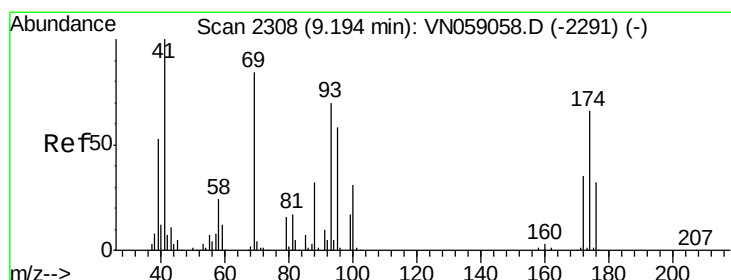
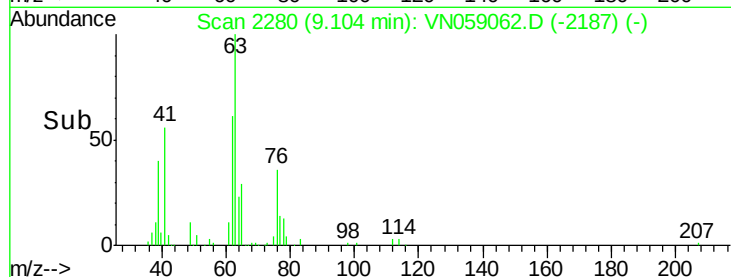
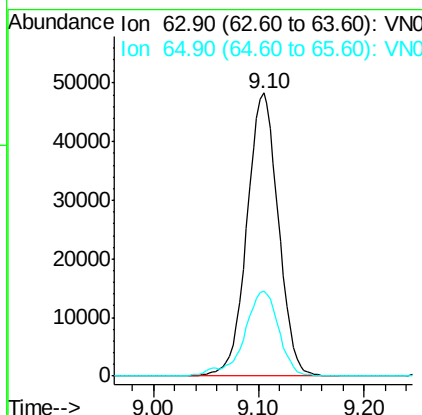
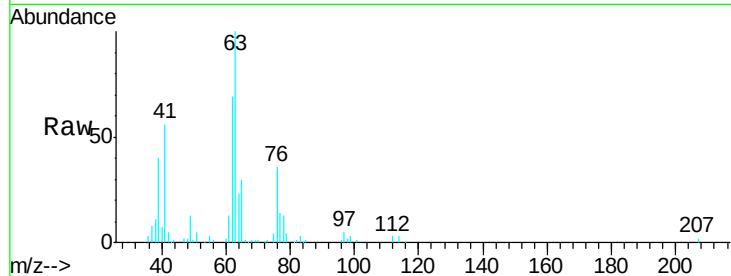
#45
 1,2-Dichloropropane
 Concen: 21.138 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. 0.00 min
 Lab File: VN059062.D
 Acq: 1 Nov 2019 15:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBS01

Tgt Ion: 63 Resp: 100289
 Ion Ratio Lower Upper
 63 100
 65 30.2 25.0 37.6

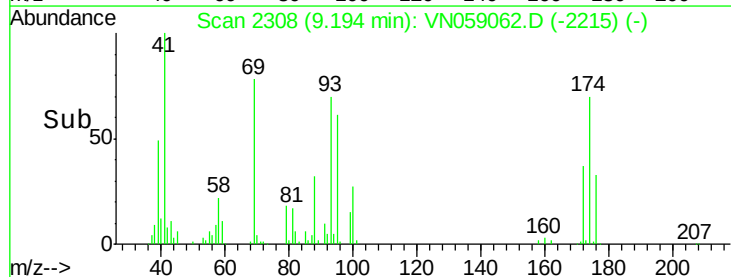
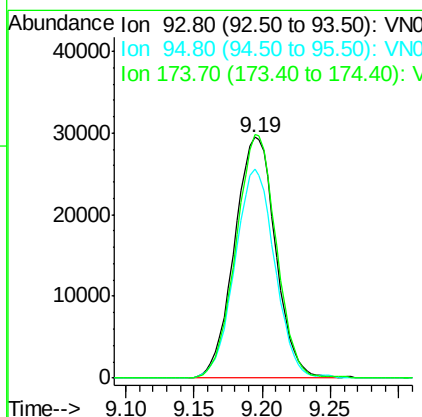
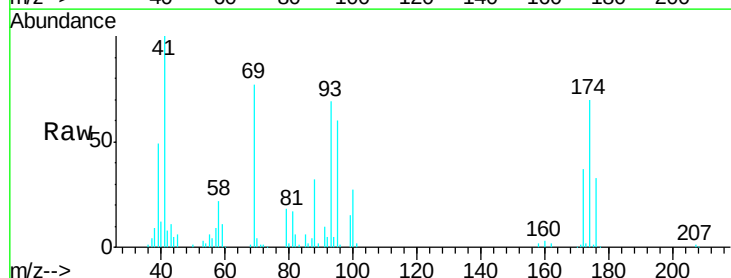
Manual Integrations
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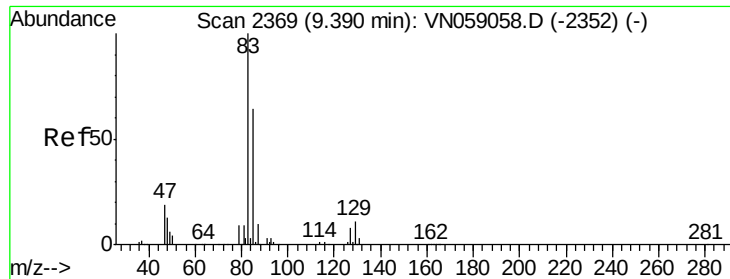
MMDadoda
 11/5/2019 1:59:28 PM



#46
 Dibromomethane
 Concen: 21.057 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN059062.D
 Acq: 1 Nov 2019 15:15

Tgt Ion: 93 Resp: 61743
 Ion Ratio Lower Upper
 93 100
 95 84.1 67.2 100.8
 174 98.9 78.3 117.5





#47

Bromodichloromethane

Concen: 20.889 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN059062.D

Acq: 1 Nov 2019 15:15

Instrument :

MSVOA_N

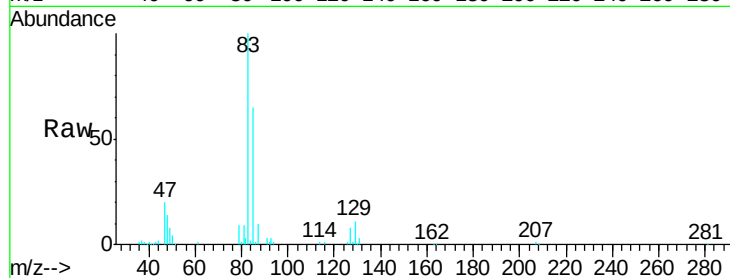
ClientSampleId :

VN1101WBS01

Tgt Ion:	83	Resp:	124047
Ion Ratio	Lower	Upper	
83	100		
85	65.3	51.2	76.8
127	8.0	6.5	9.7

Manual Integrations
APPROVED

MMDadoda
11/5/2019 1:59:28 PM

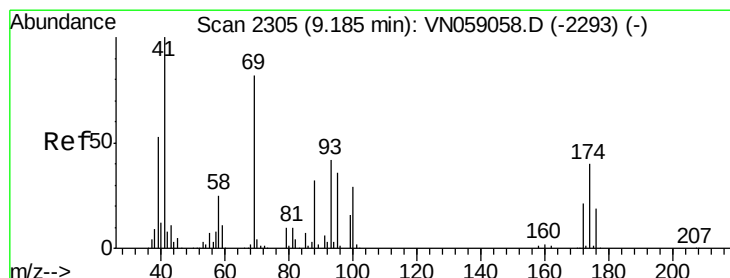
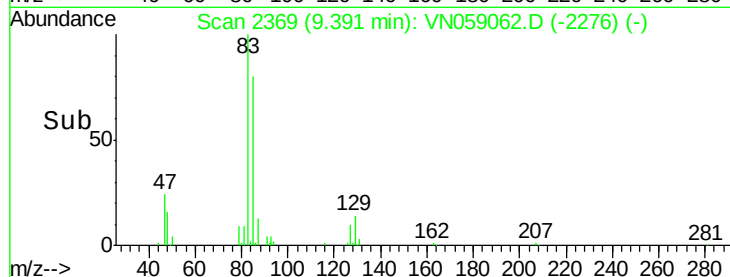


Abundance Ion 82.90 (82.60 to 83.60): VN059058.D (-2352) (-)

Ion 84.90 (84.60 to 85.60): VN059058.D (-2352) (-)

Ion 126.80 (126.50 to 127.50): VN059058.D (-2352) (-)

Time-->



#48

Methyl methacrylate

Concen: 20.449 ug/l

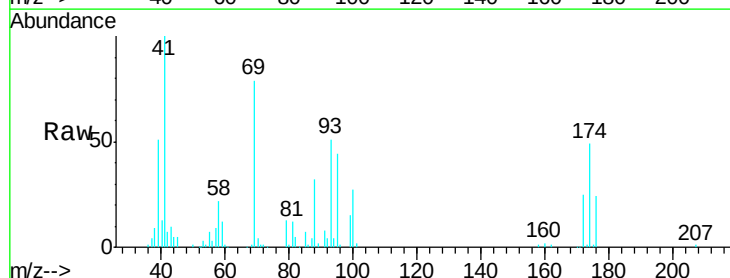
RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN059062.D

Acq: 1 Nov 2019 15:15

Tgt Ion:	41	Resp:	95769
Ion Ratio	Lower	Upper	
41	100		
69	82.1	67.1	100.7
39	54.6	43.3	64.9

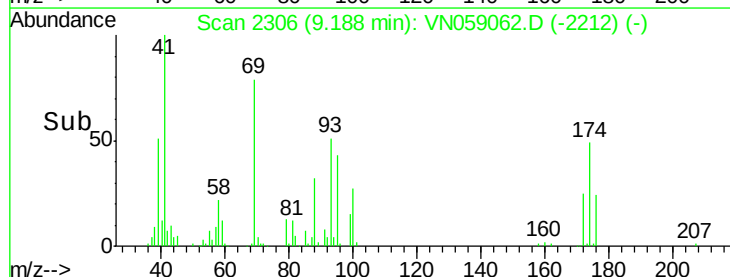


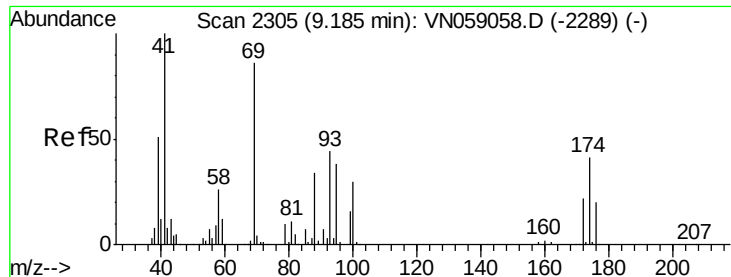
Abundance Ion 41.00 (40.70 to 41.70): VN059058.D (-2293) (-)

Ion 69.00 (68.70 to 69.70): VN059058.D (-2293) (-)

Ion 39.00 (38.70 to 39.70): VN059058.D (-2293) (-)

Time-->





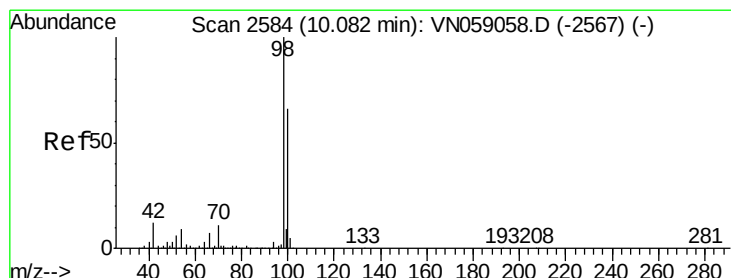
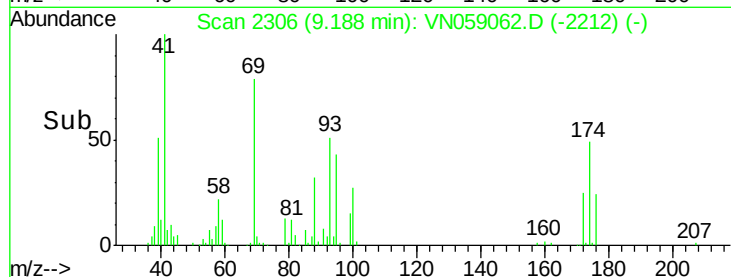
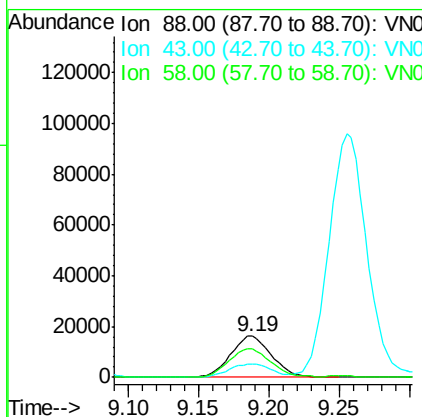
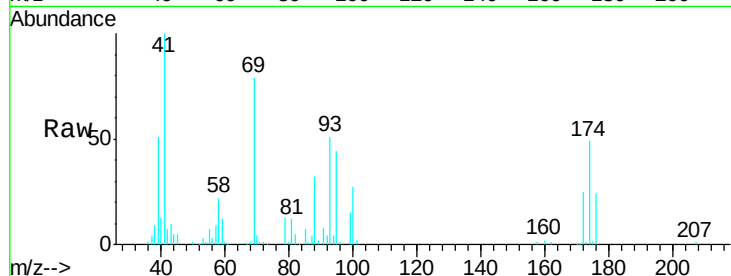
#49
1,4-Dioxane
Concen: 433.933 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN059062.D
Acq: 1 Nov 2019 15:15

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	33150		
43	33.3	26.2	39.2	
58	71.9	59.1	88.7	

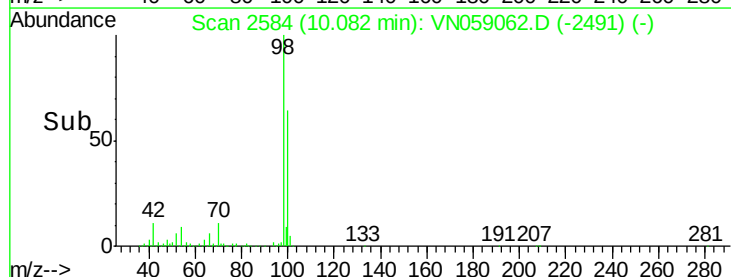
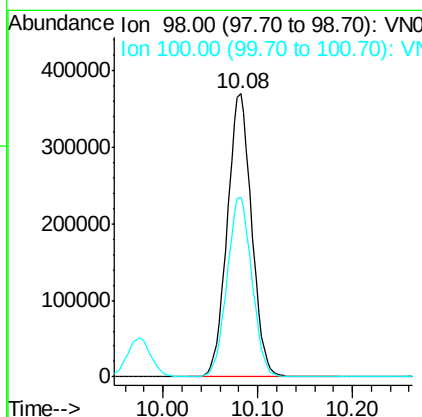
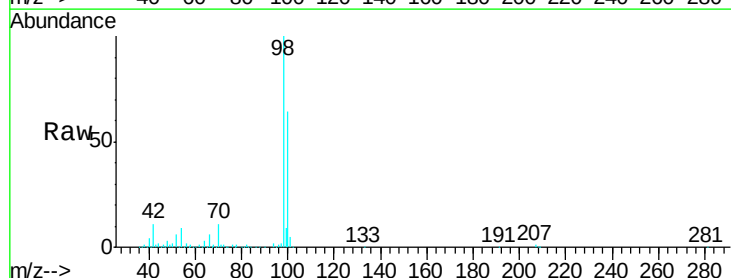
Manual Integrations
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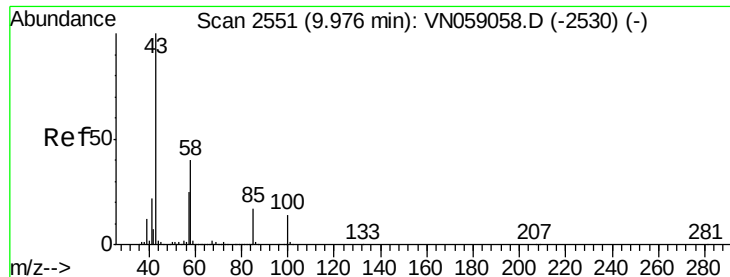
MMDadoda
11/5/2019 1:59:28 PM



#50
Toluene-d8
Concen: 44.246 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059062.D
Acq: 1 Nov 2019 15:15

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	660972		
100	64.6	51.7	77.5	





#51

4-Methyl-2-Pentanone

Concen: 113.393 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059062.D

Acq: 1 Nov 2019 15:15

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBS01

Tgt Ion: 43 Resp: 676579

Ion Ratio Lower Upper

43 100

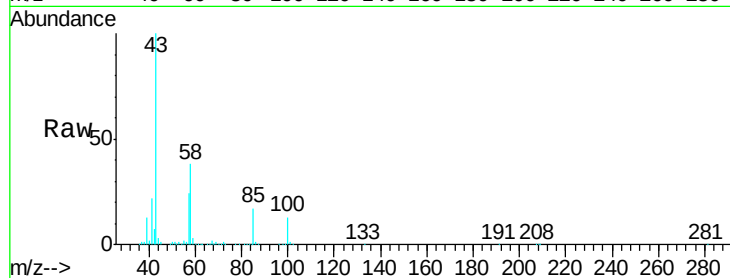
58 38.0 31.8 47.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.97

400000

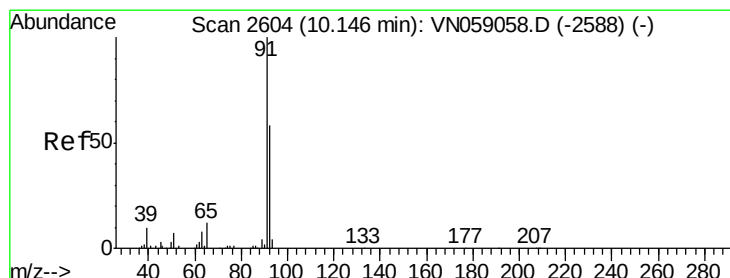
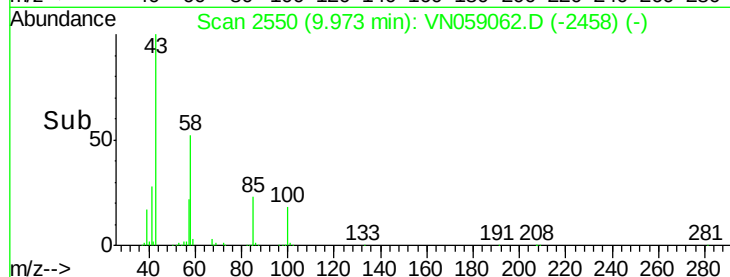
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 21.669 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059062.D

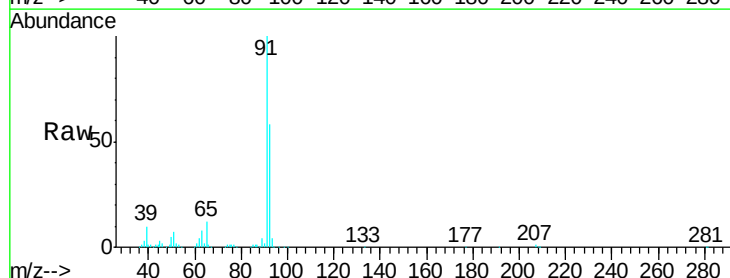
Acq: 1 Nov 2019 15:15

Tgt Ion: 92 Resp: 222733

Ion Ratio Lower Upper

92 100

91 172.9 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.15

250000

200000

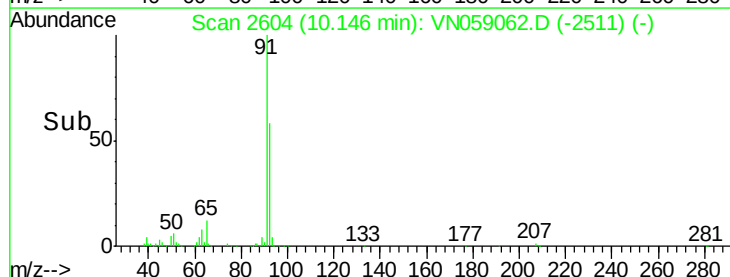
150000

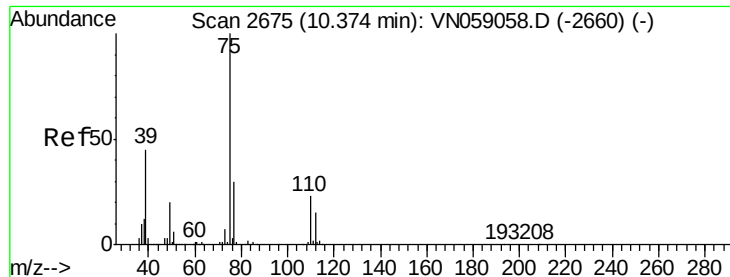
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.610 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059062.D

Acq: 1 Nov 2019 15:15

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBS01

Tgt Ion: 75 Resp: 141527

Ion Ratio Lower Upper

75 100

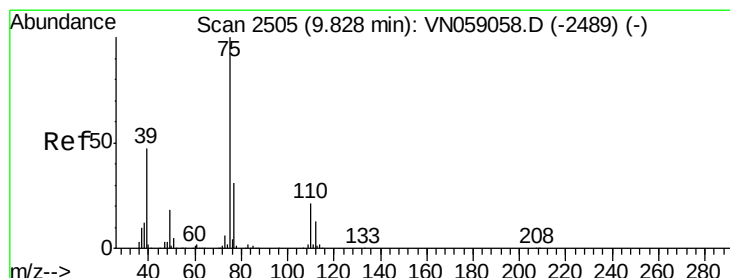
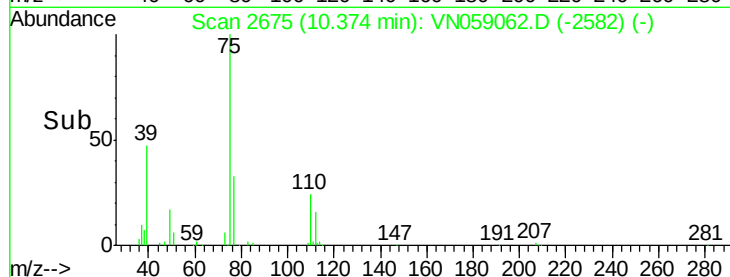
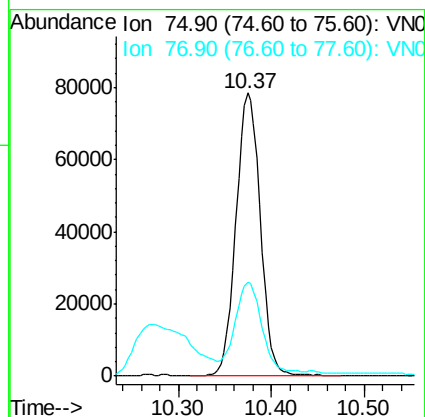
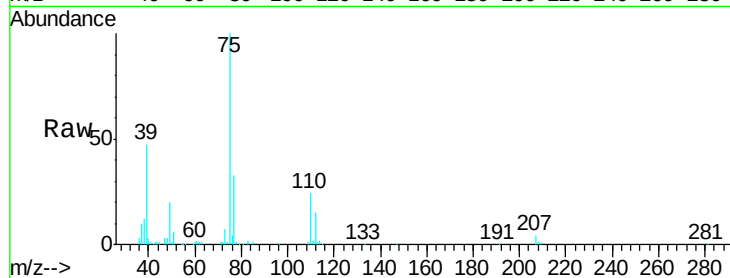
77 32.1 25.6 38.4

Manual Integrations

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11/5/2019 1:59:28 PM



#54

cis-1,3-Dichloropropene

Concen: 21.382 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. 0.00 min

Lab File: VN059062.D

Acq: 1 Nov 2019 15:15

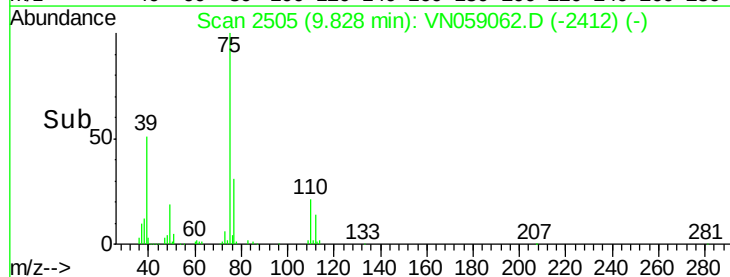
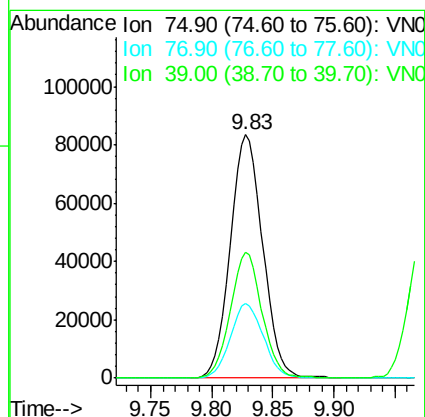
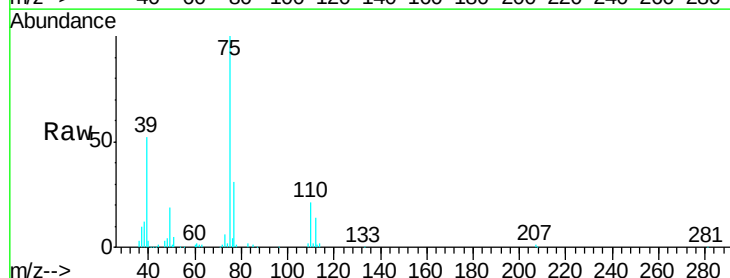
Tgt Ion: 75 Resp: 154866

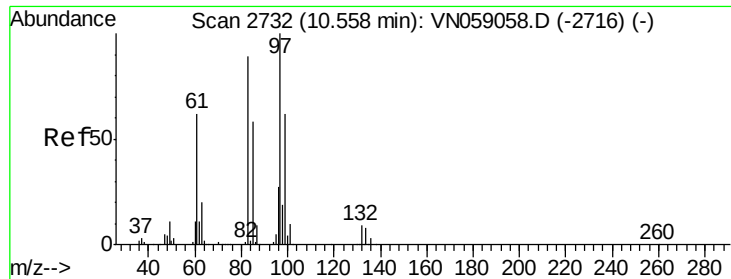
Ion Ratio Lower Upper

75 100

77 30.9 24.6 37.0

39 51.5 37.4 56.2





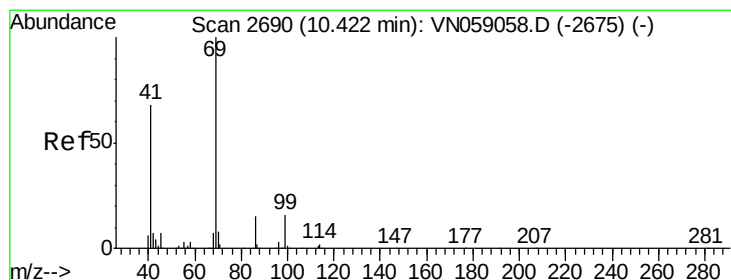
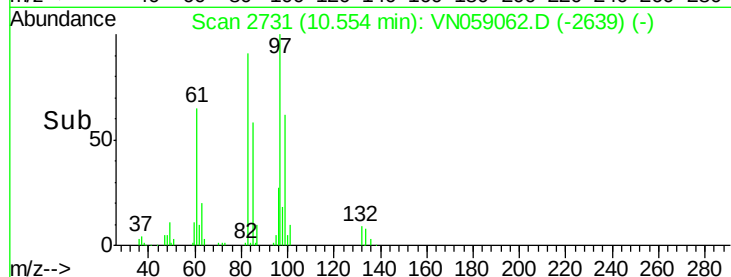
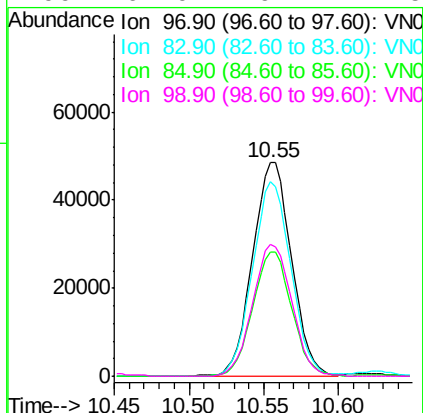
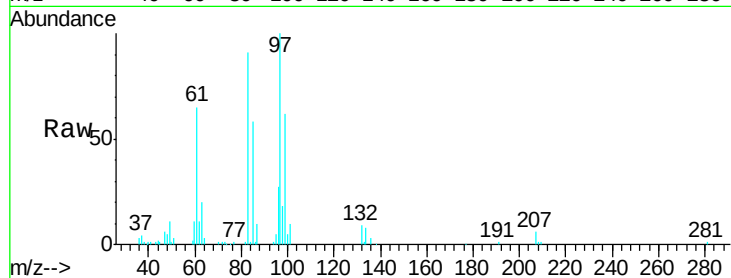
#55
 1,1,2-Trichloroethane
 Concen: 21.069 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059062.D
 Acq: 1 Nov 2019 15:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBS01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	91.2	71.4	107.2
85	58.3	46.6	70.0
99	62.0	49.7	74.5

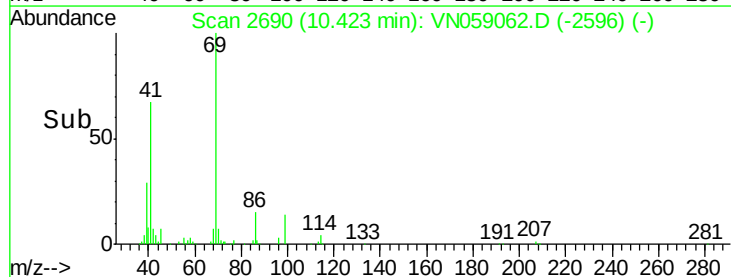
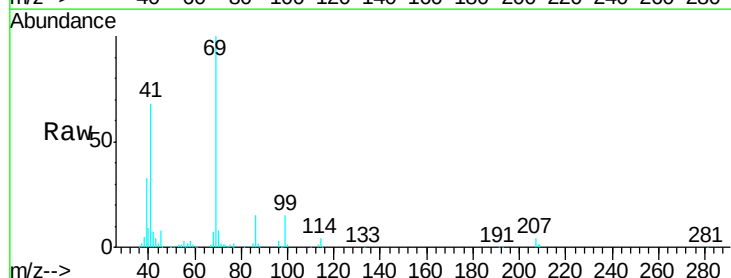
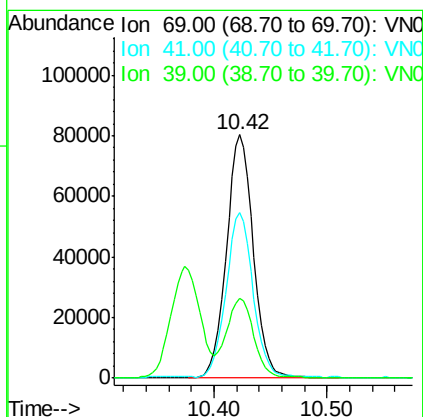
Manual Integrations
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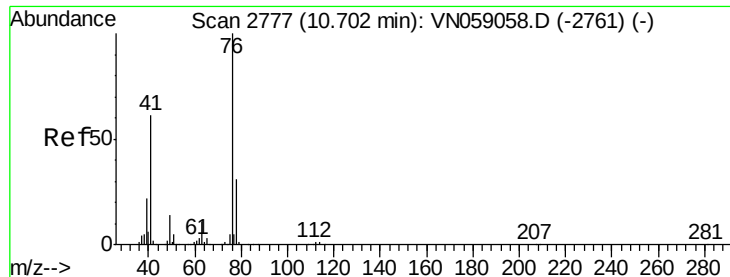
MMDadoda
 11/5/2019 1:59:28 PM



#56
 Ethyl methacrylate
 Concen: 19.831 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059062.D
 Acq: 1 Nov 2019 15:15

Tgt Ion	Ratio	Lower	Upper
69	100		
41	67.6	53.8	80.8
39	33.2	26.2	39.2





#57

1,3-Dichloropropane

Concen: 21.317 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059062.D

Acq: 1 Nov 2019 15:15

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBS01

Tgt Ion: 76 Resp: 155235

Ion Ratio Lower Upper

76 100

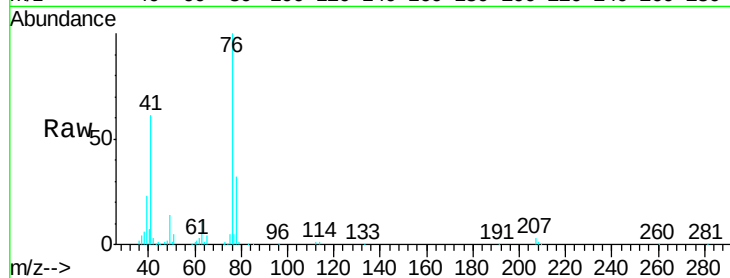
78 32.3 25.8 38.6

Manual Integrations

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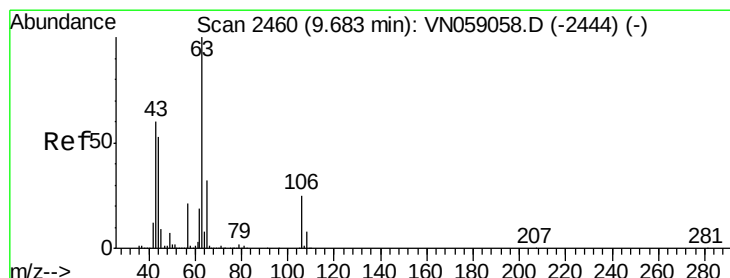
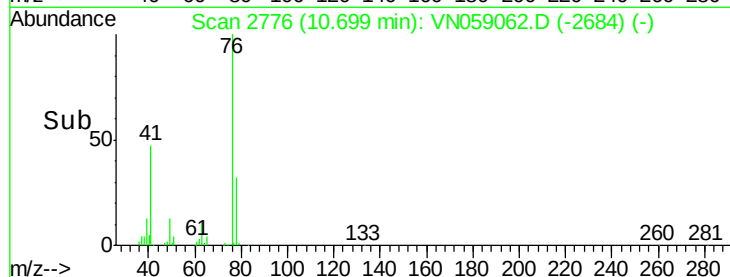
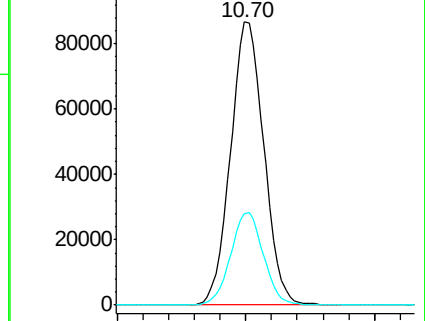
MMDadoda

11/5/2019 1:59:28 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: 123.926 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059062.D

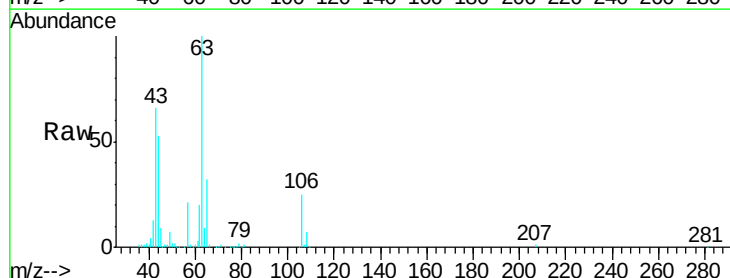
Acq: 1 Nov 2019 15:15

Tgt Ion: 63 Resp: 324870

Ion Ratio Lower Upper

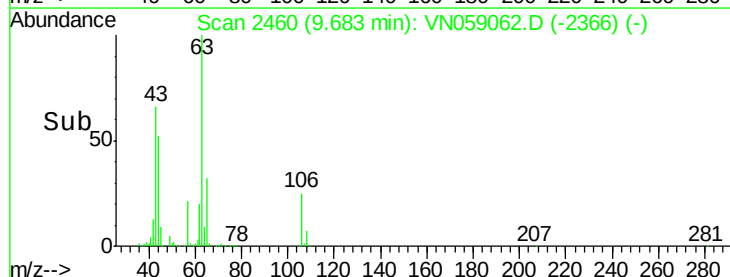
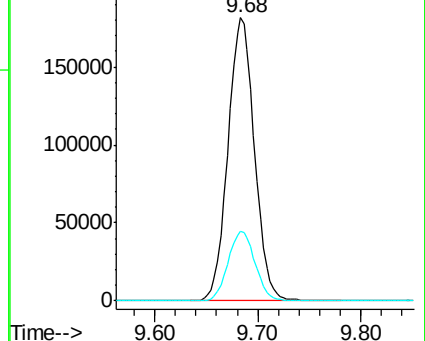
63 100

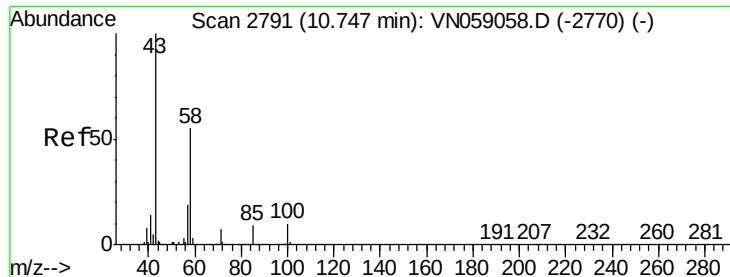
106 25.1 19.8 29.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





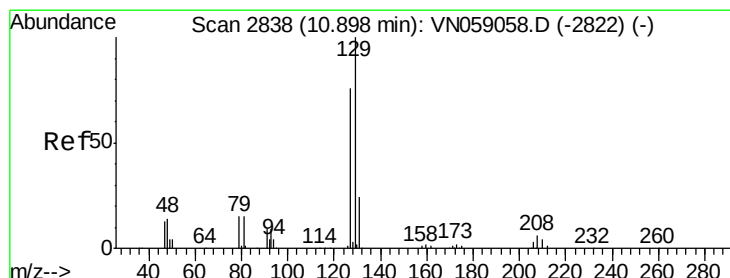
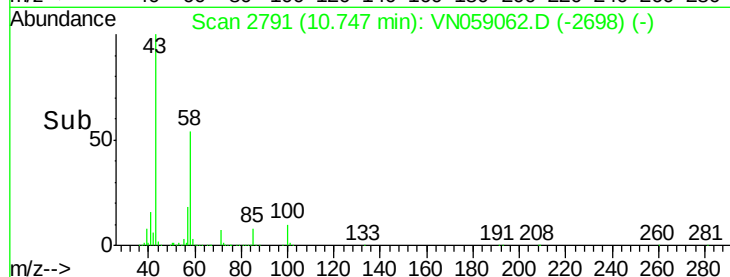
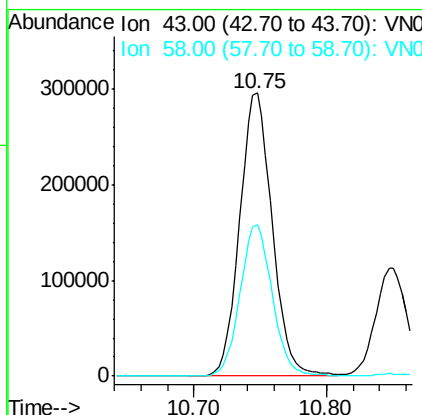
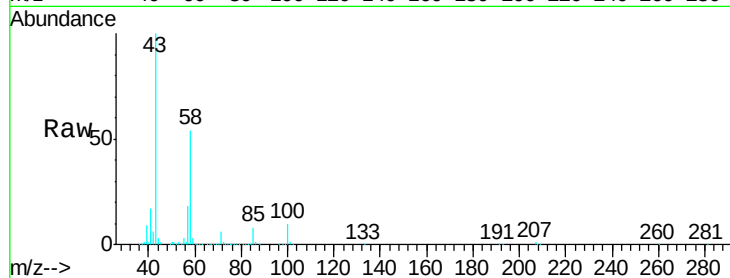
#59
2-Hexanone
Concen: 110.822 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059062.D
Acq: 1 Nov 2019 15:15

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion: 43 Resp: 502344
Ion Ratio Lower Upper
43 100
58 53.3 27.4 82.2

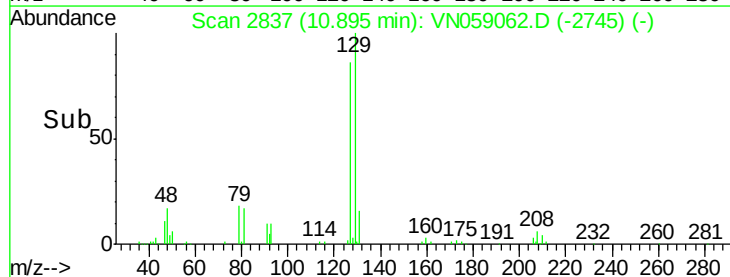
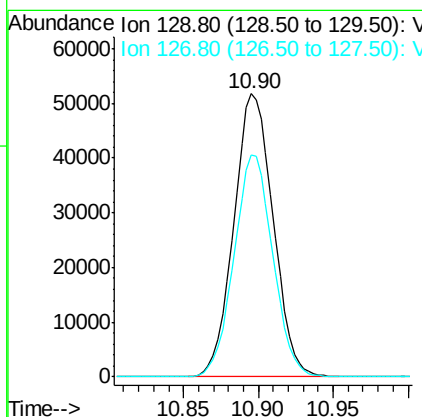
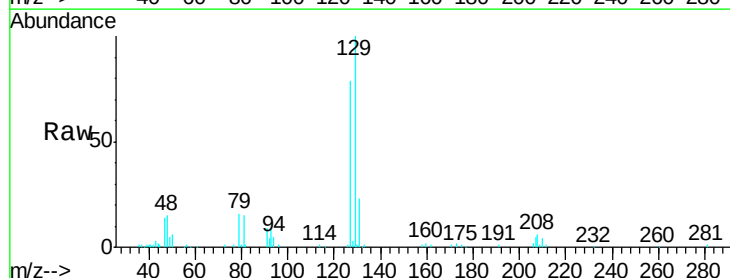
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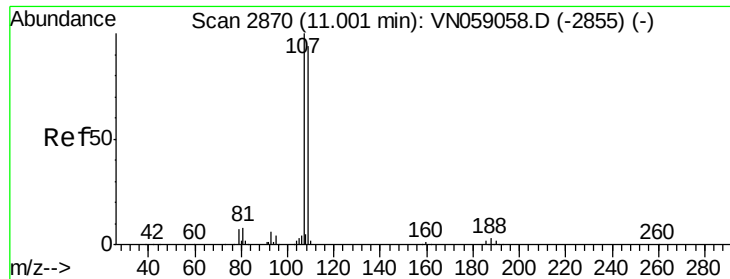
MMDadoda
11/5/2019 1:59:28 PM



#60
Dibromochloromethane
Concen: 20.979 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059062.D
Acq: 1 Nov 2019 15:15

Tgt Ion: 129 Resp: 94669
Ion Ratio Lower Upper
129 100
127 77.3 38.3 114.8





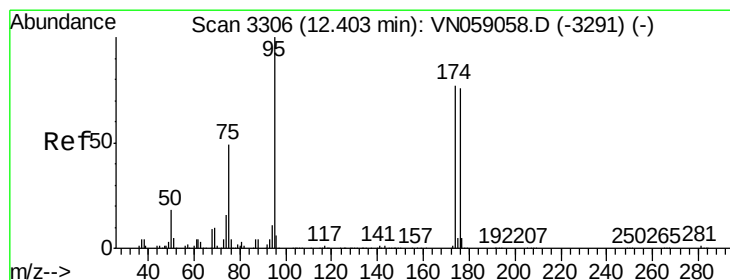
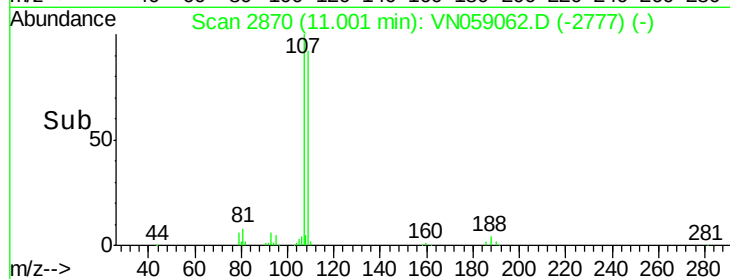
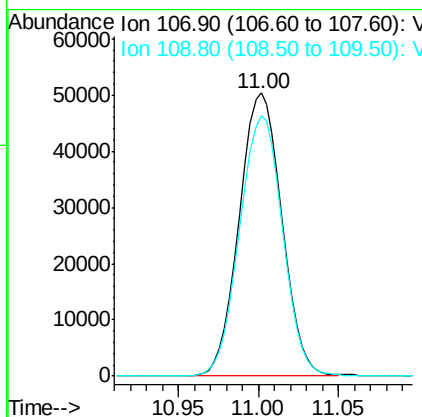
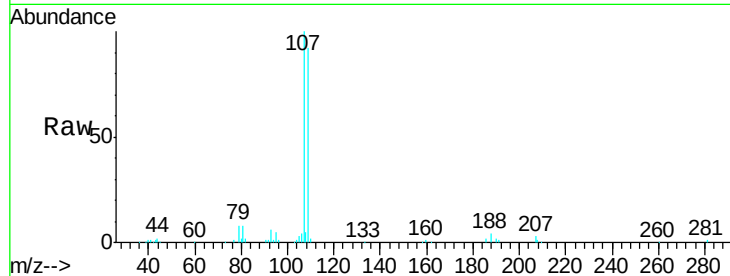
#61
 1,2-Dibromoethane
 Concen: 21.595 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059062.D
 Acq: 1 Nov 2019 15:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBS01

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.1	75.5	113.3

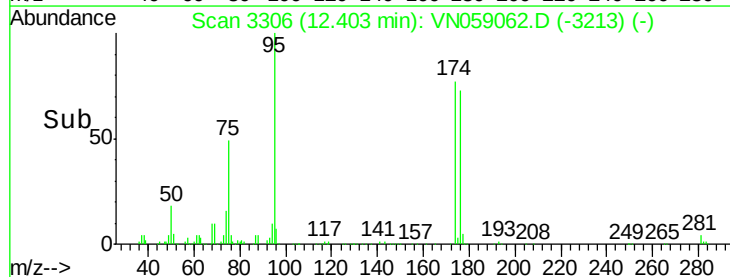
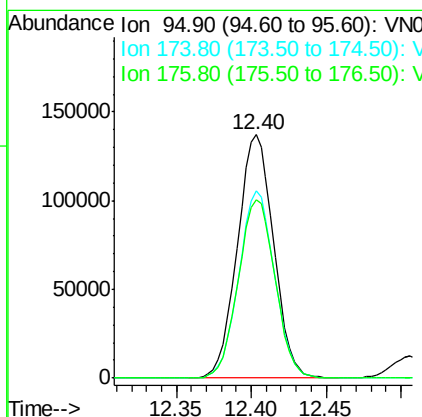
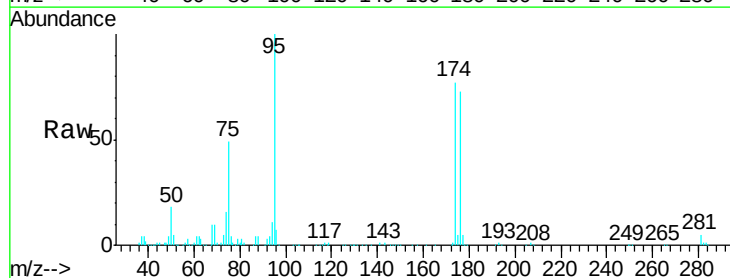
Manual Integrations
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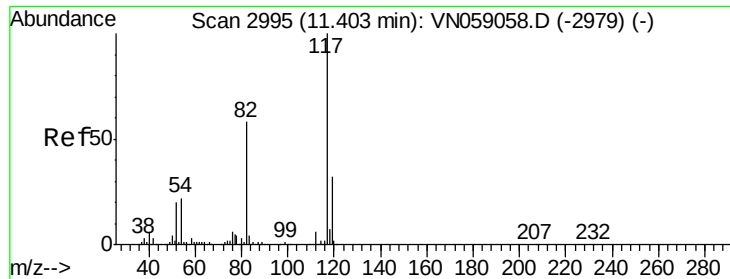
MMDadoda
 11/5/2019 1:59:28 PM



#62
 4-Bromofluorobenzene
 Concen: 42.973 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN059062.D
 Acq: 1 Nov 2019 15:15

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.3	0.0	155.8
176	74.5	0.0	151.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. 0.00 min

Lab File: VN059062.D

Acq: 1 Nov 2019 15:15

Instrument :

MSVOA_N

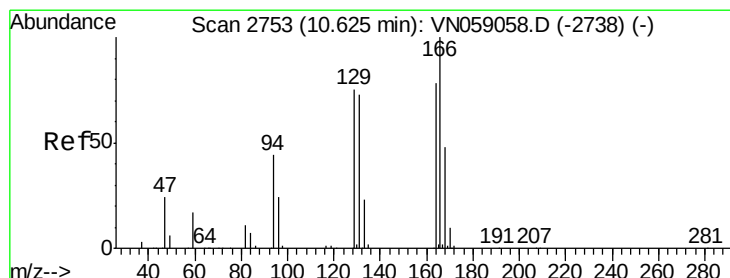
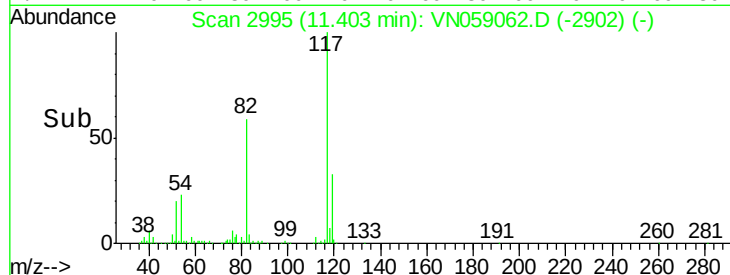
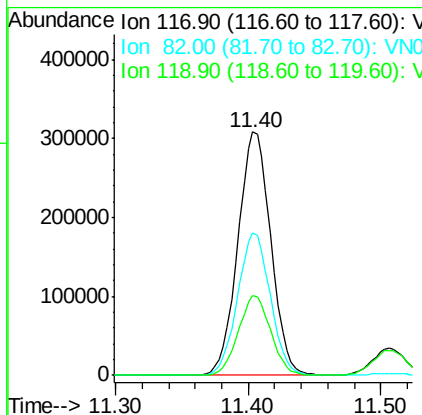
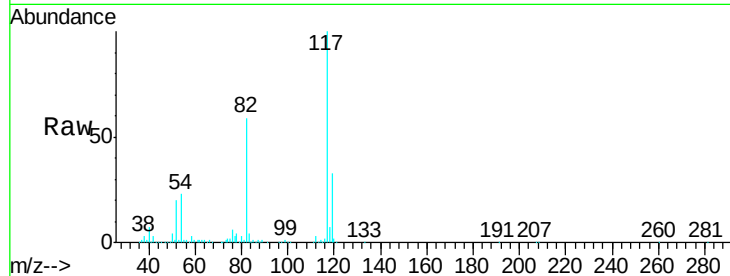
ClientSampleId :

VN1101WBS01

Tgt Ion:	117	Resp:	531495
Ion Ratio		Lower	Upper
117	100		
82	58.6	46.0	69.0
119	32.6	25.6	38.4

Manual Integrations
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11/5/2019 1:59:28 PM



#64

Tetrachloroethene

Concen: 21.549 ug/l

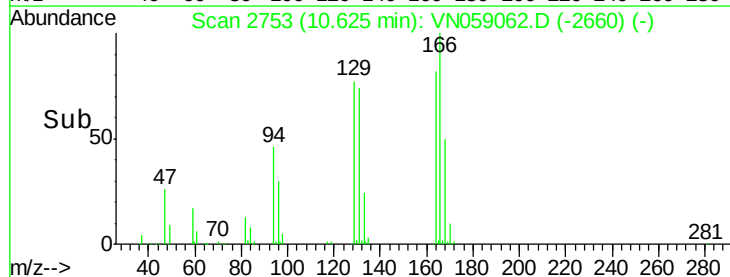
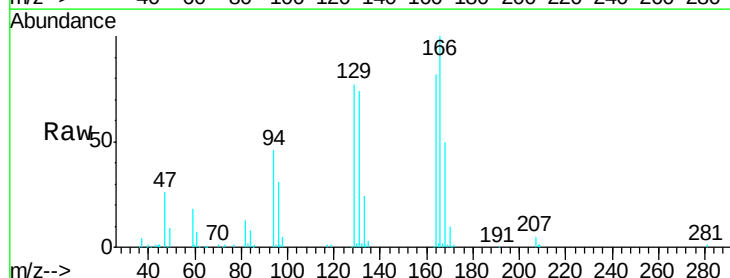
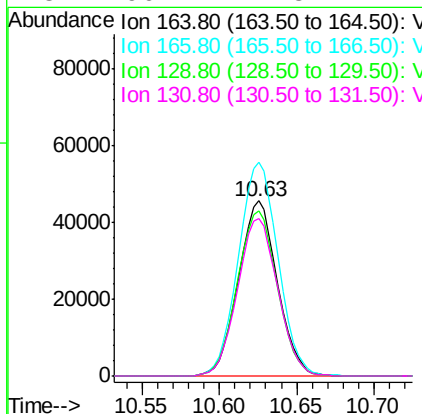
RT: 10.63 min Scan# 2753

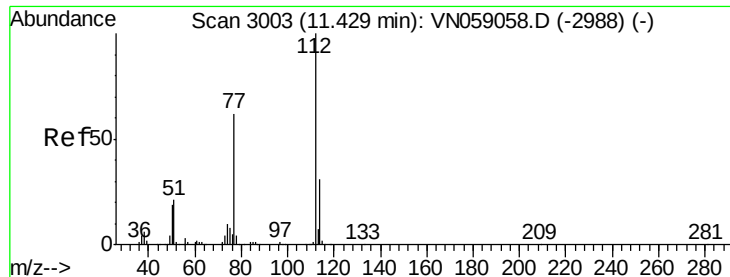
Delta R.T. 0.00 min

Lab File: VN059062.D

Acq: 1 Nov 2019 15:15

Tgt Ion:	164	Resp:	80004
Ion Ratio		Lower	Upper
164	100		
166	122.2	102.7	154.1
129	94.3	77.3	115.9
131	90.2	74.8	112.2





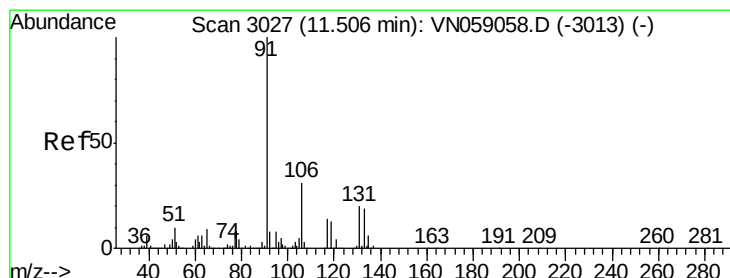
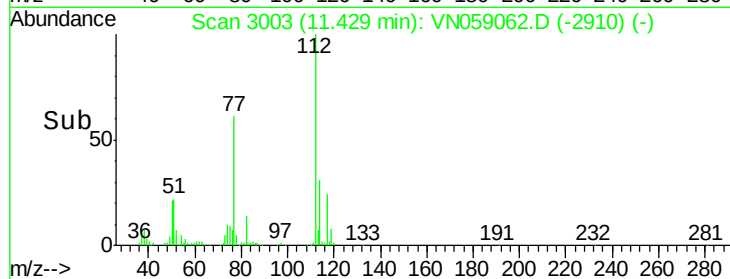
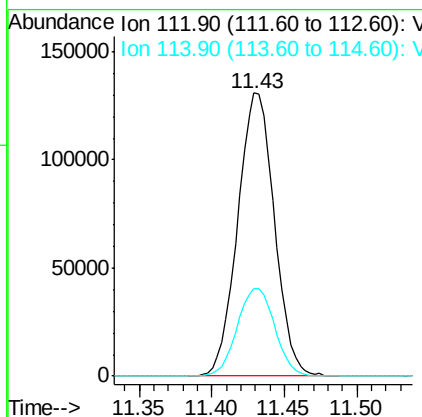
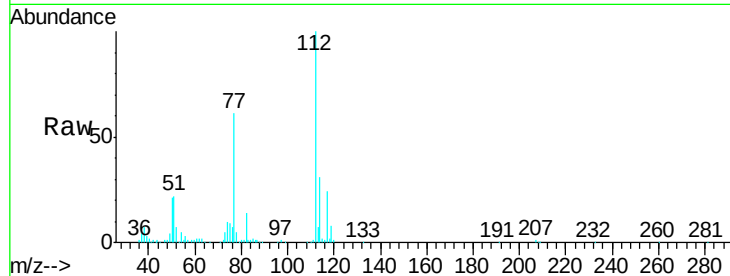
#65
Chlorobenzene
Concen: 21.147 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN059062.D
Acq: 1 Nov 2019 15:15

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion	Ratio	Lower	Upper
112	100		
114	30.9	25.0	37.6

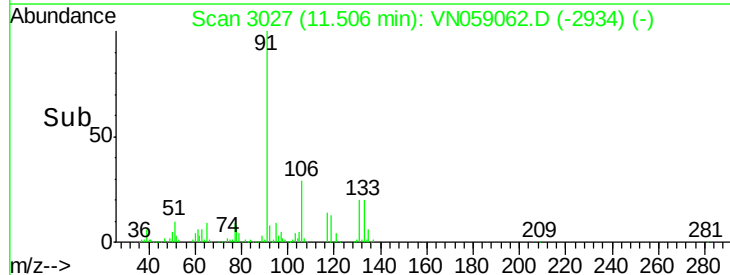
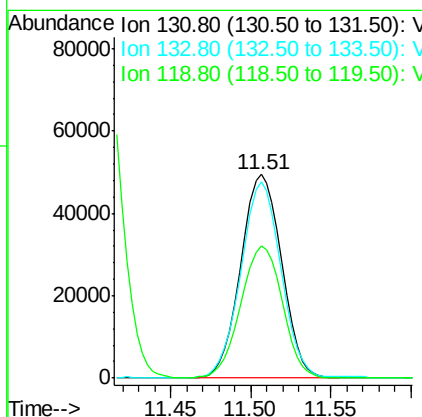
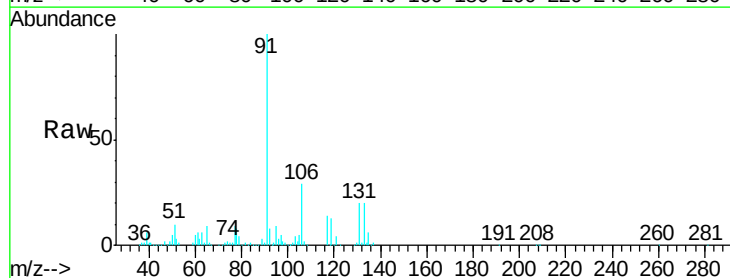
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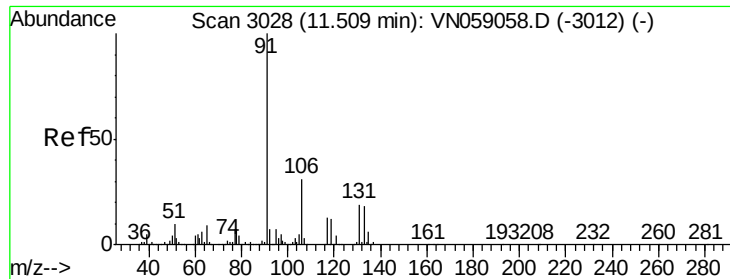
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11/5/2019 1:59:28 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.526 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN059062.D
Acq: 1 Nov 2019 15:15

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.4	47.9	143.6
119	66.2	33.5	100.5





#67

Ethyl Benzene

Concen: 21.944 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059062.D

Acq: 1 Nov 2019 15:15

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBS01

Tgt Ion: 91 Resp: 414389

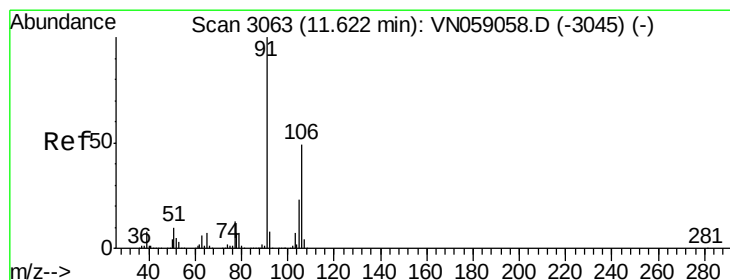
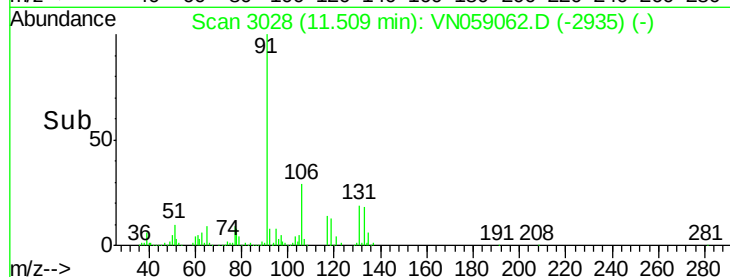
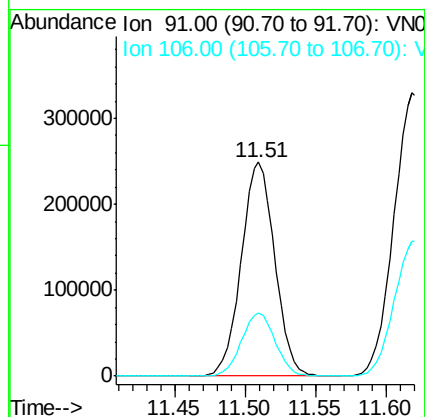
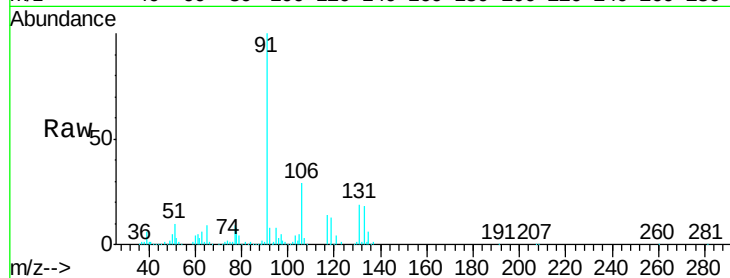
Ion Ratio Lower Upper

91 100

106 29.4 24.6 36.8

Manual Integrations
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11/5/2019 1:59:28 PM



#68

m/p-Xylenes

Concen: 43.158 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN059062.D

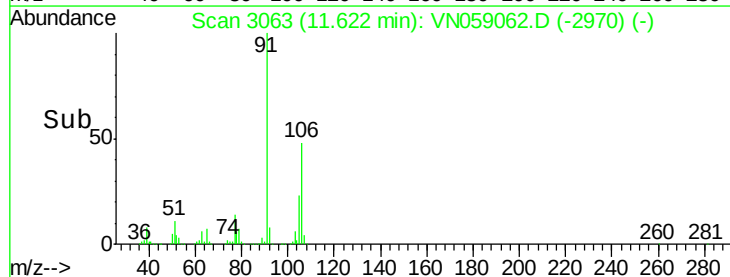
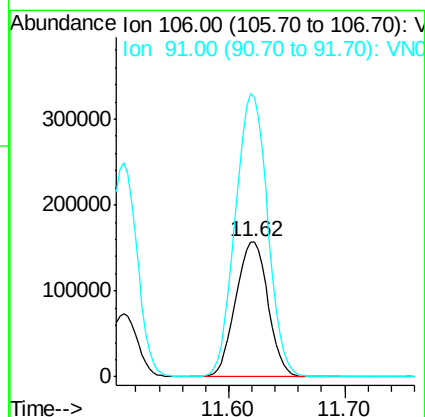
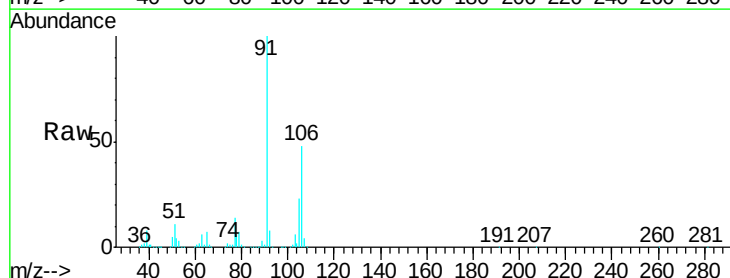
Acq: 1 Nov 2019 15:15

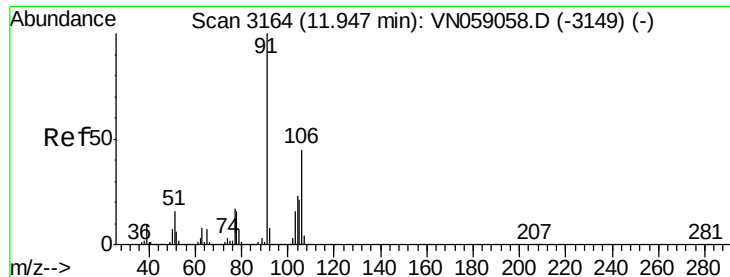
Tgt Ion: 106 Resp: 304321

Ion Ratio Lower Upper

106 100

91 208.5 165.7 248.5





#69

o-Xylene

Concen: 21.897 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN059062.D

Acq: 1 Nov 2019 15:15

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBS01

Tgt Ion:106 Resp: 147444

Ion Ratio Lower Upper

106 100

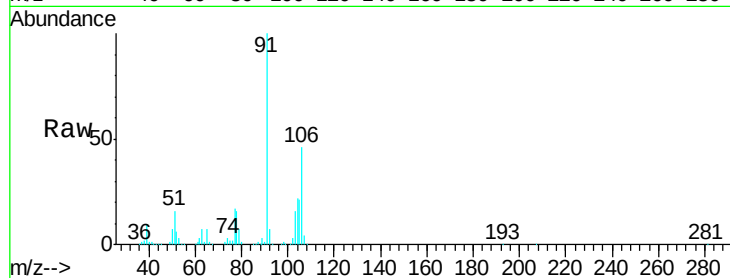
91 216.3 110.4 331.2

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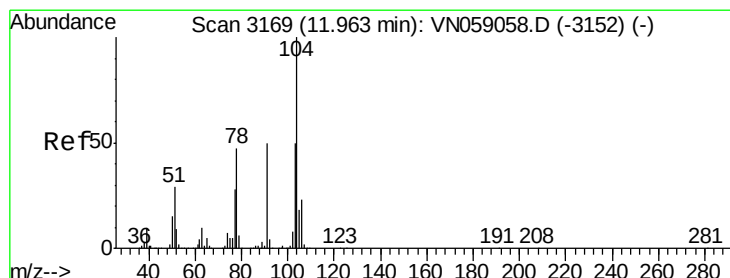
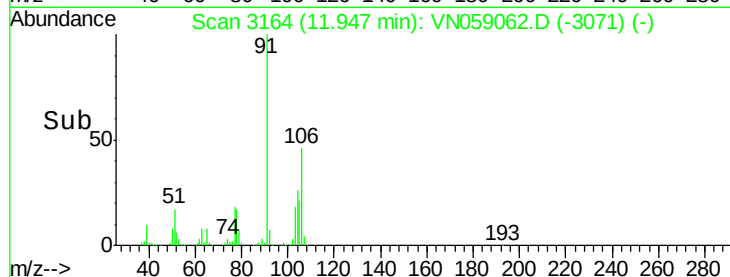
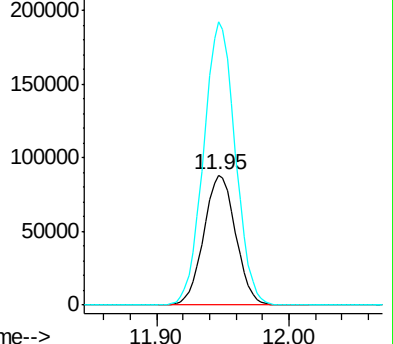
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11/5/2019 1:59:28 PM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 21.025 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VN059062.D

Acq: 1 Nov 2019 15:15

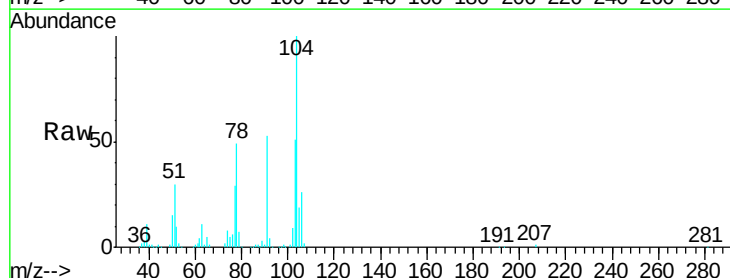
Tgt Ion:104 Resp: 229409

Ion Ratio Lower Upper

104 100

78 53.8 41.2 61.8

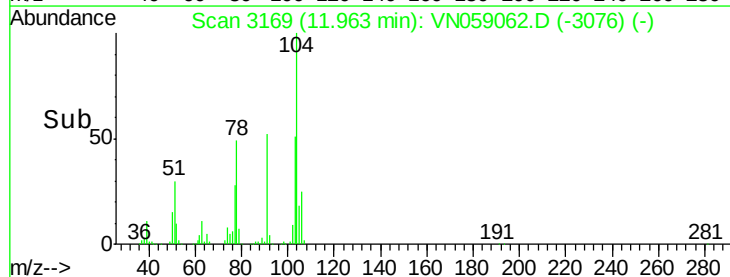
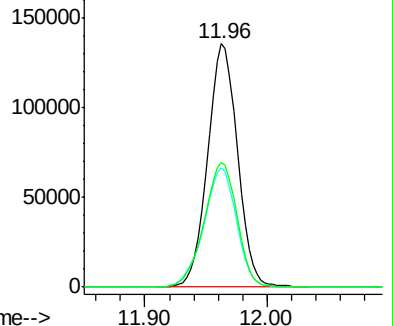
103 56.4 43.9 65.9

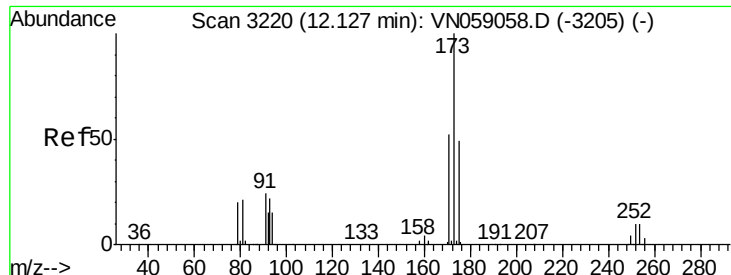


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 21.126 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN059062.D

Acq: 1 Nov 2019 15:15

Instrument :

MSVOA_N

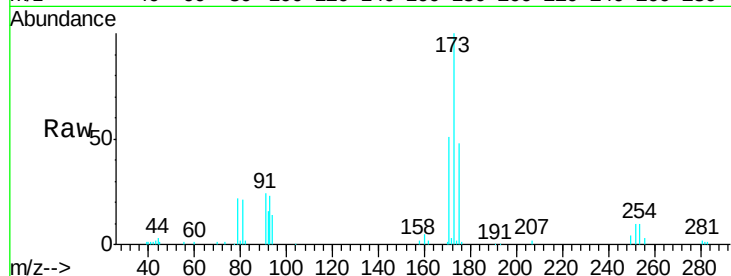
ClientSampled :

VN1101WBS01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.4	73.2
254	0.0	0.1	0.1#

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11/5/2019 1:59:28 PM

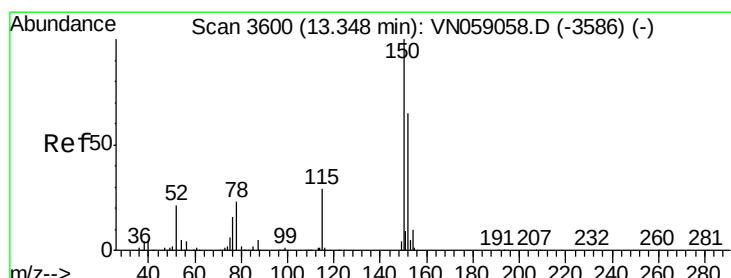
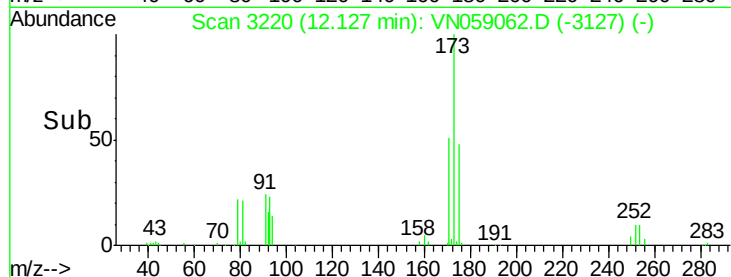
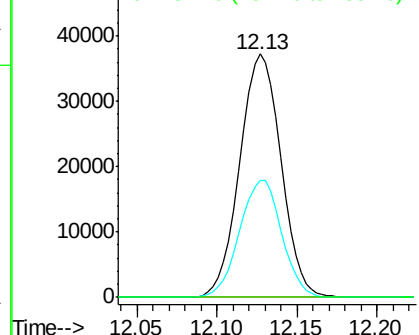


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

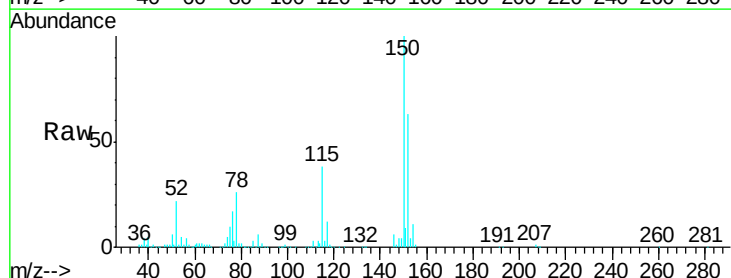
RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN059062.D

Acq: 1 Nov 2019 15:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.3	29.6	88.9
150	164.2	0.0	345.8

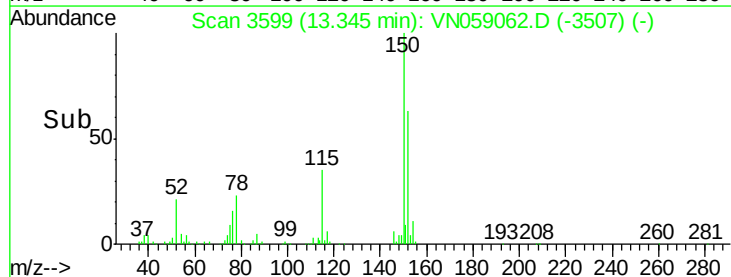
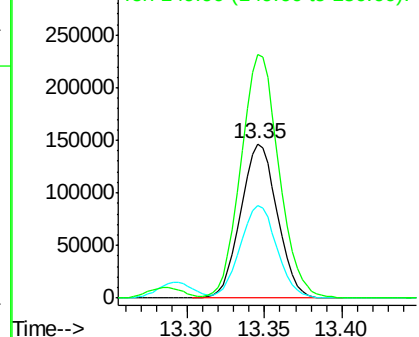


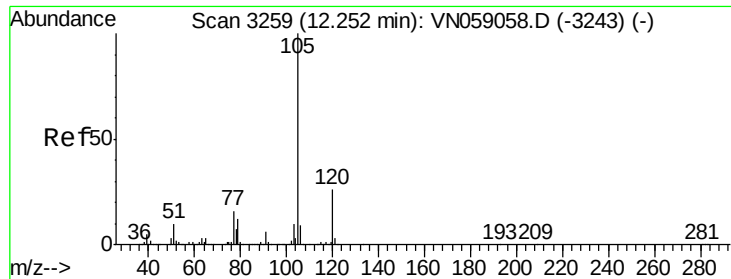
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





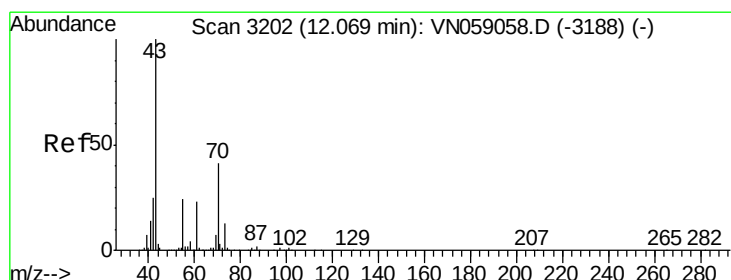
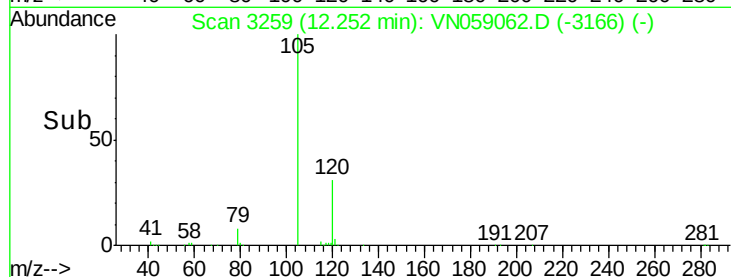
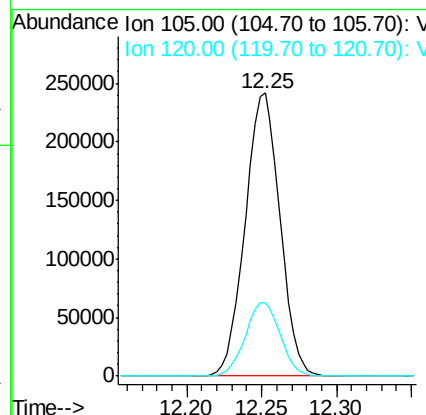
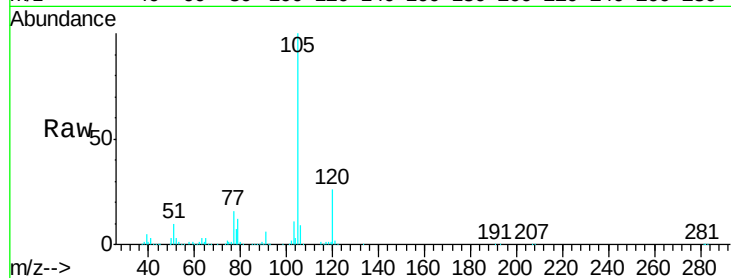
#73
Isopropylbenzene
Concen: 22.100 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN059062.D
Acq: 1 Nov 2019 15:15

Instrument :
MSVOA_N
ClientSampled :
VN1101WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	391484		
120	26.1	13.1	39.1	

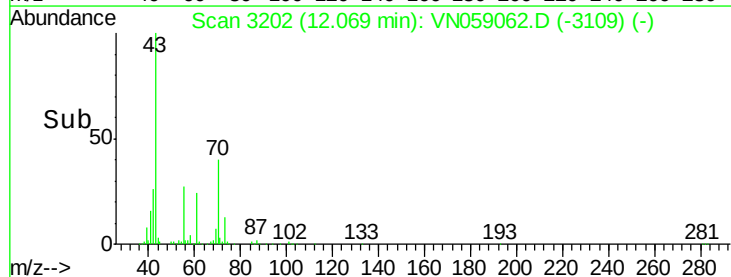
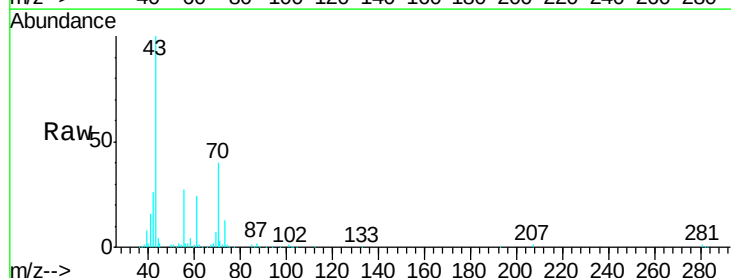
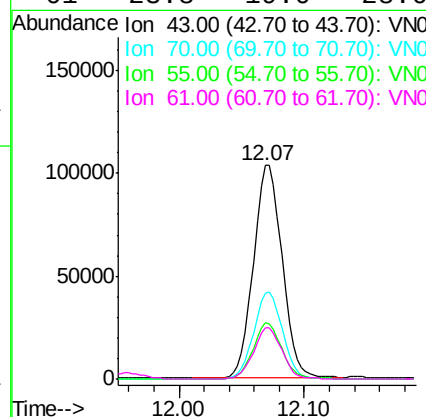
Manual Integrations
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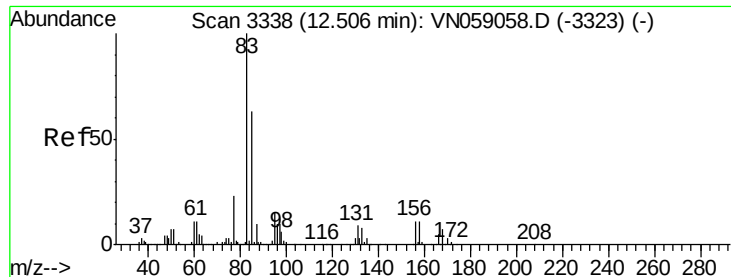
MMDadoda
11/5/2019 1:59:28 PM



#74
N-ethyl acetate
Concen: 21.103 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN059062.D
Acq: 1 Nov 2019 15:15

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	166285		
70	40.8	32.6	49.0	
55	26.2	19.7	29.5	
61	23.8	19.0	28.6	





#75

1,1,2,2-Tetrachloroethane

Concen: 21.065 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059062.D

Acq: 1 Nov 2019 15:15

Instrument :

MSVOA_N

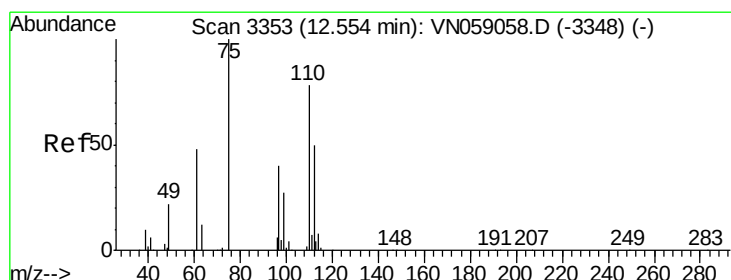
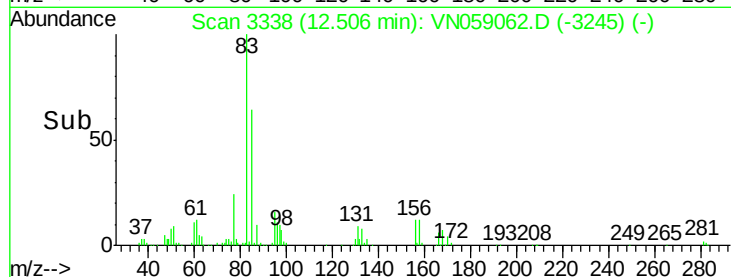
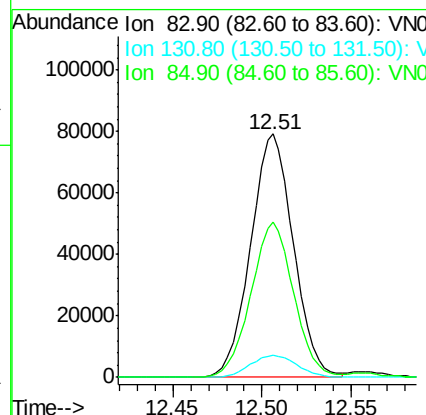
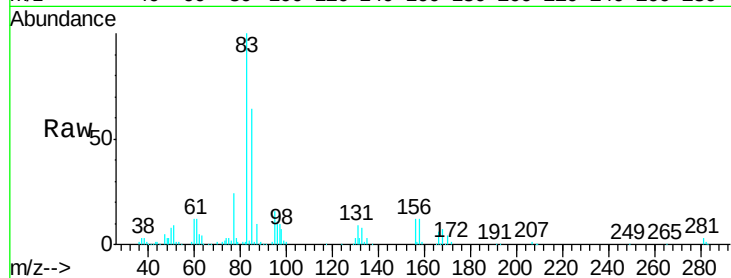
ClientSampled :

VN1101WBS01

Tgt Ion:	83	Resp:	132921
Ion Ratio	Lower	Upper	
83	100		
131	9.9	4.9	14.7
85	63.5	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.791 ug/l m

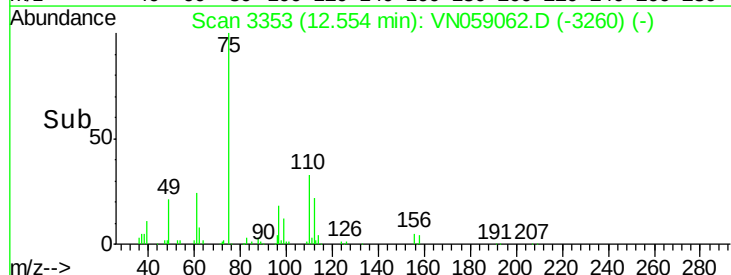
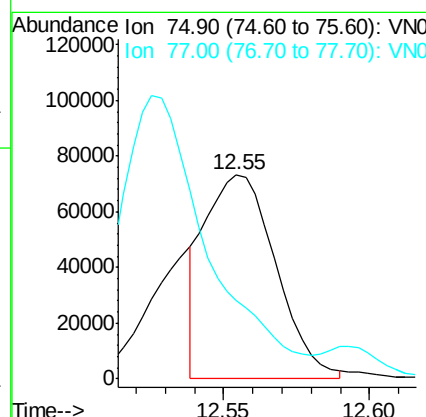
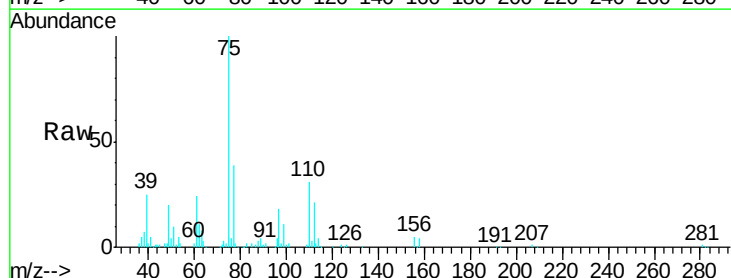
RT: 12.55 min Scan# 3353

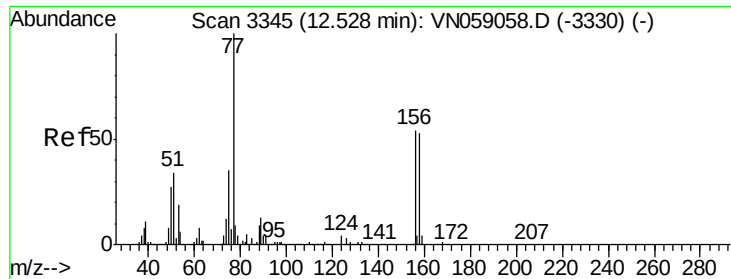
Delta R.T. 0.00 min

Lab File: VN059062.D

Acq: 1 Nov 2019 15:15

Tgt Ion:	75	Resp:	124162
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.297 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059062.D

Acq: 1 Nov 2019 15:15

Instrument :

MSVOA_N

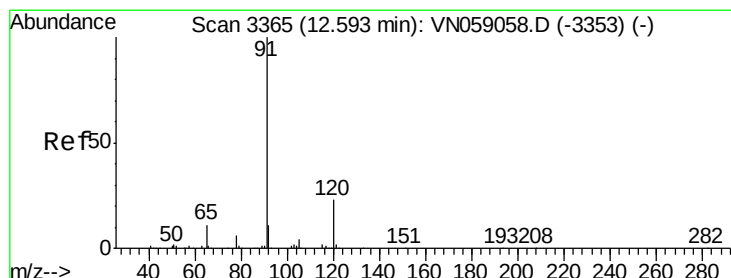
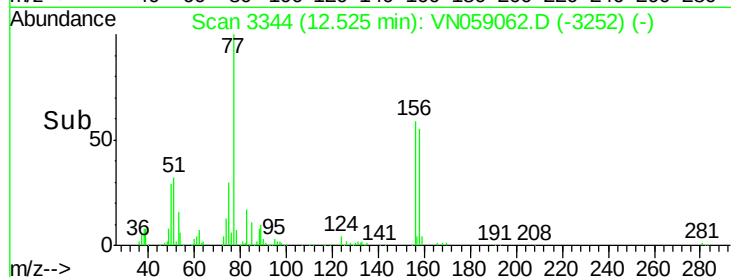
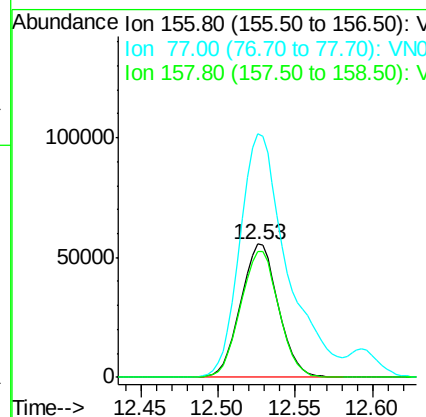
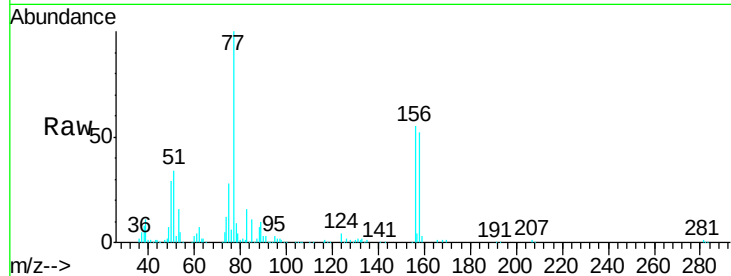
ClientSampleId :

VN1101WBS01

Tgt Ion	Ratio	Lower	Upper
156	100		
77	230.0	114.2	342.6
158	95.9	49.6	149.0

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#78

n-propylbenzene

Concen: 21.930 ug/l

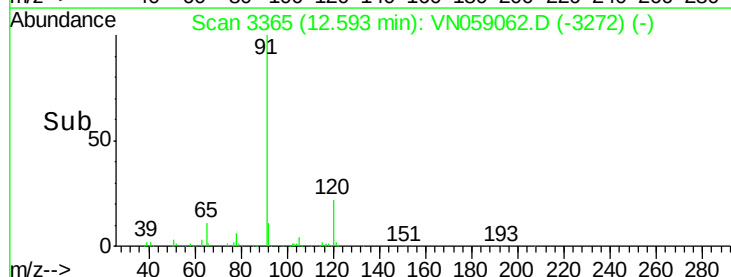
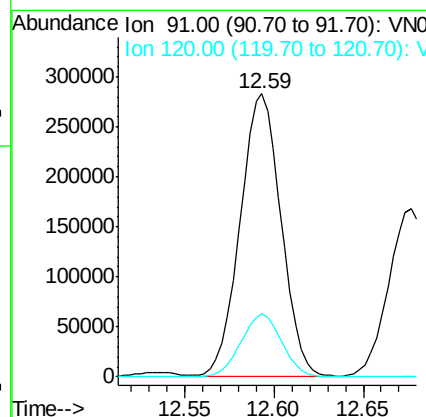
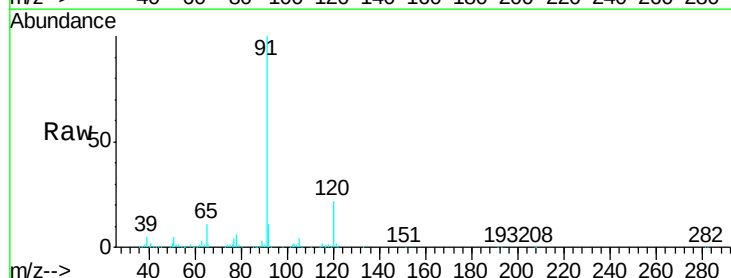
RT: 12.59 min Scan# 3365

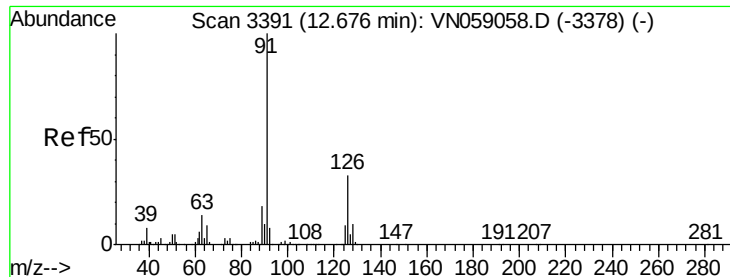
Delta R.T. 0.00 min

Lab File: VN059062.D

Acq: 1 Nov 2019 15:15

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.2	33.5





#79

2-Chlorotoluene

Concen: 21.555 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN059062.D

Acq: 1 Nov 2019 15:15

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBS01

Tgt Ion: 91 Resp: 274598

Ion Ratio Lower Upper

91 100

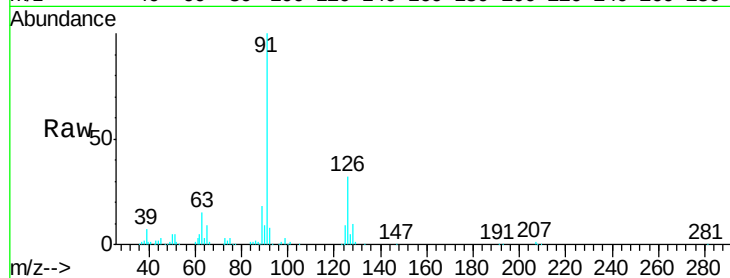
126 32.0 16.3 48.8

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN059058.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN059062.D (-3298) (-)

250000

200000

150000

100000

50000

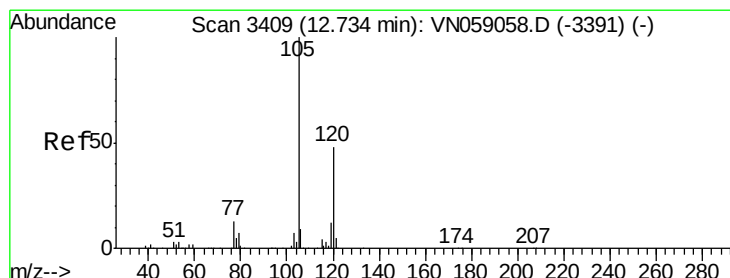
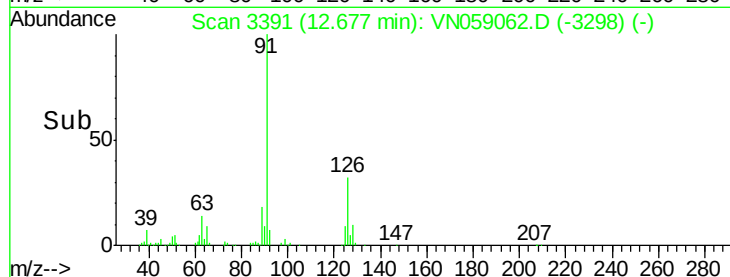
0

12.65

12.68

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.837 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN059062.D

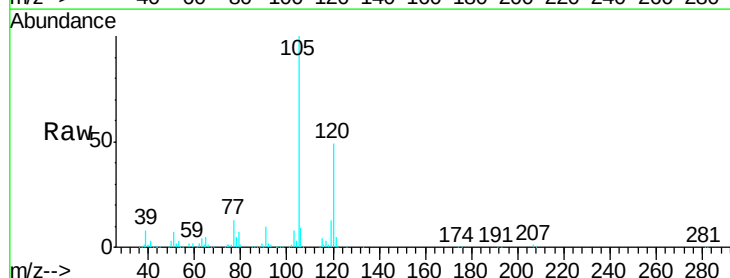
Acq: 1 Nov 2019 15:15

Tgt Ion: 105 Resp: 328754

Ion Ratio Lower Upper

105 100

120 48.3 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): VN059058.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN059062.D (-3316) (-)

250000

200000

150000

100000

50000

0

12.65

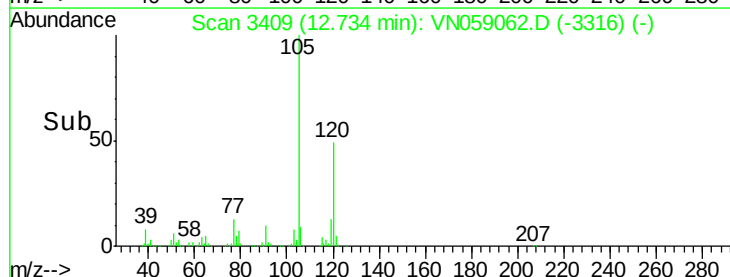
12.70

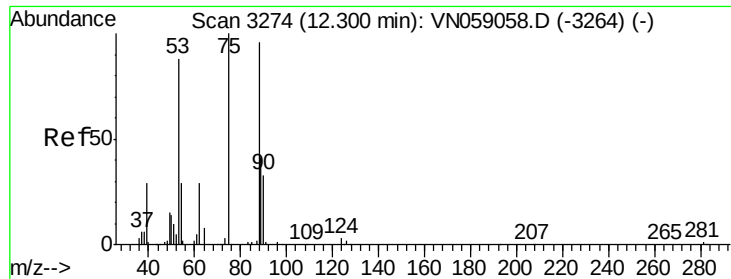
12.73

12.75

12.80

Time-->





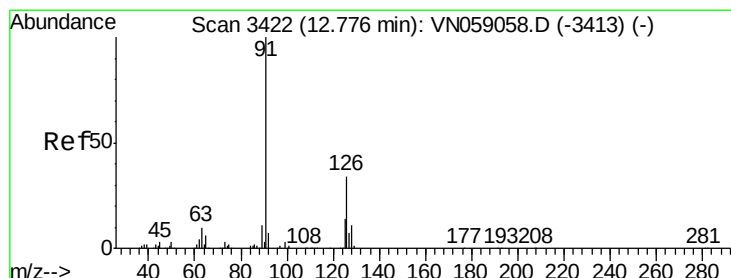
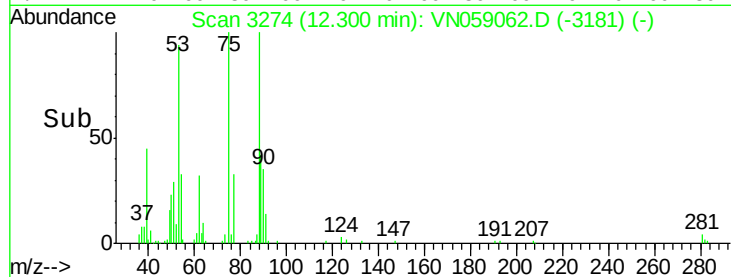
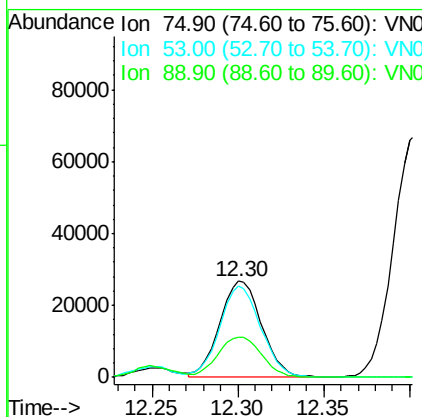
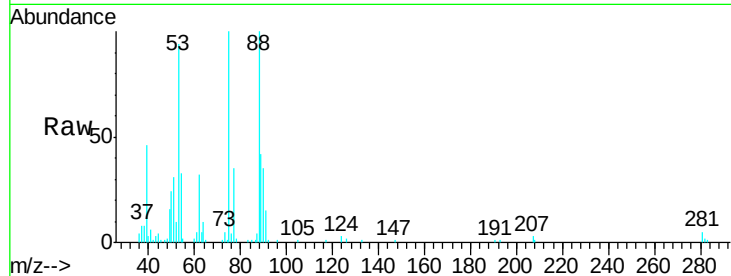
#81
trans-1,4-Dichloro-2-butene
Concen: 20.432 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN059062.D
Acq: 1 Nov 2019 15:15

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	94.2	70.4	105.6
89	44.1	34.2	51.2

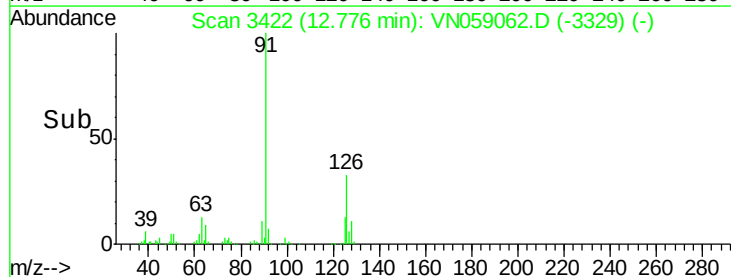
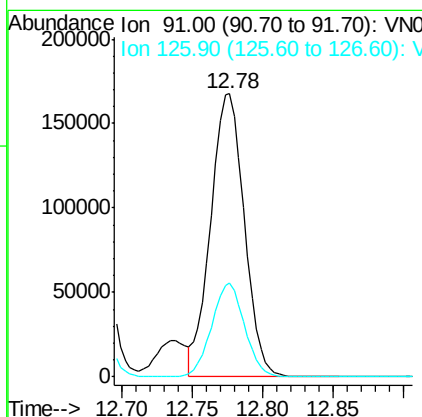
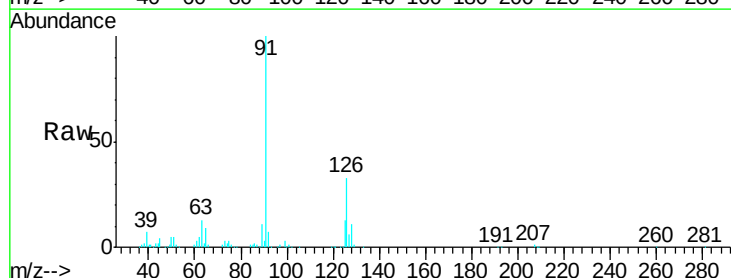
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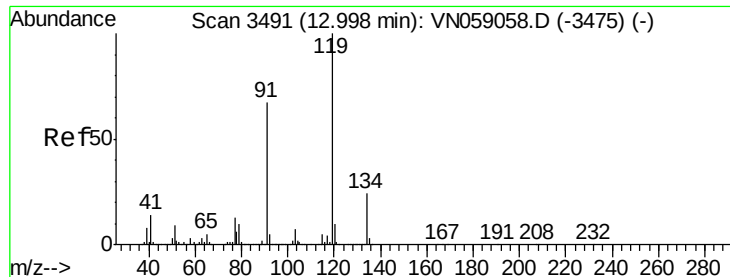
MMDadoda
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#82
4-Chlorotoluene
Concen: 21.289 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN059062.D
Acq: 1 Nov 2019 15:15

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.0	47.9





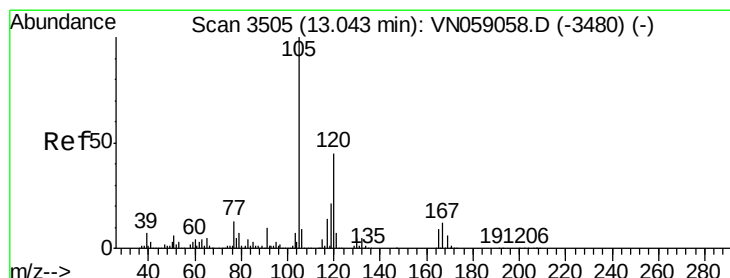
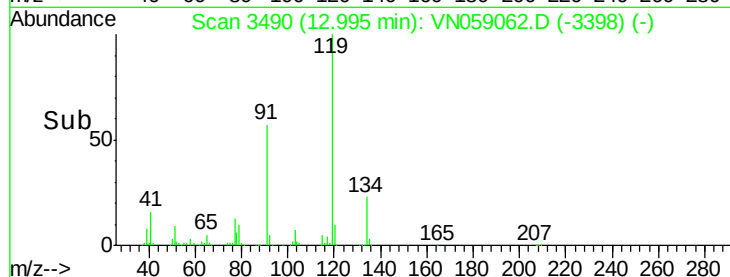
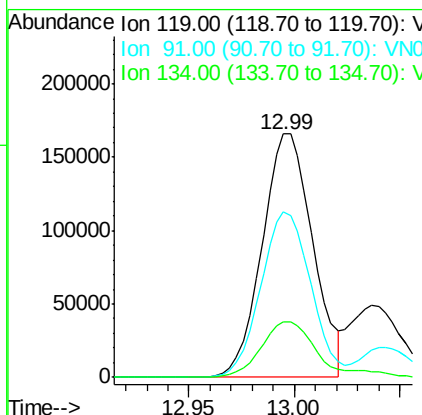
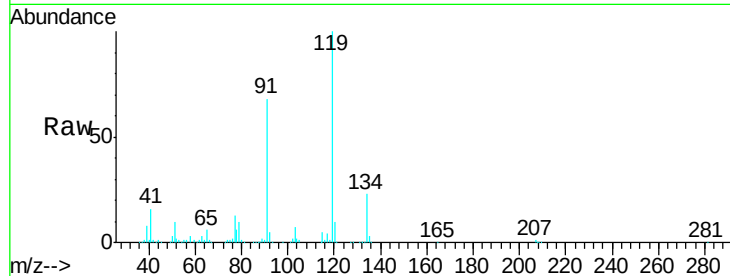
#83
 tert-Butylbenzene
 Concen: 21.694 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN059062.D
 Acq: 1 Nov 2019 15:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBS01

Tgt Ion	Ratio	Lower	Upper
119	100		
91	67.1	33.7	101.0
134	25.5	12.9	38.7

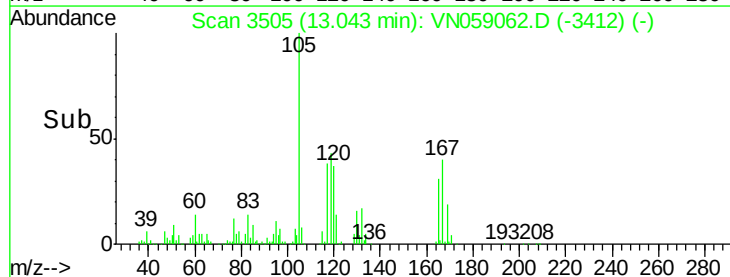
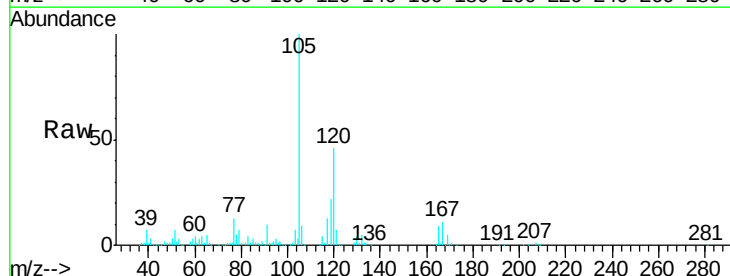
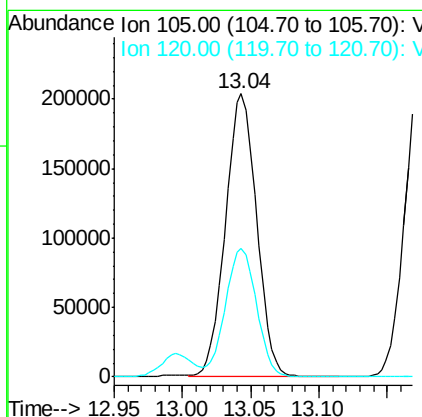
Manual Integrations
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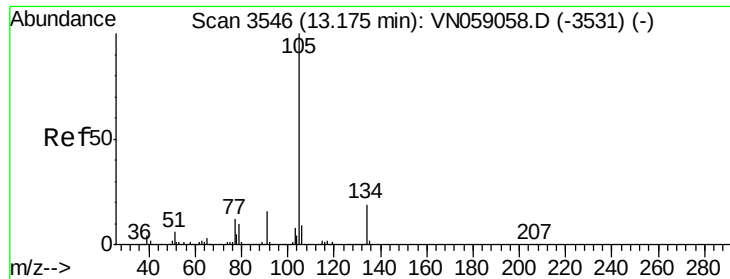
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 11/5/2019 1:59:28 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 22.053 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN059062.D
 Acq: 1 Nov 2019 15:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	22.3	66.9





#85

sec-Butylbenzene

Concen: 21.992 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059062.D

Acq: 1 Nov 2019 15:15

Instrument :

MSVOA_N

ClientSampled :

VN1101WBS01

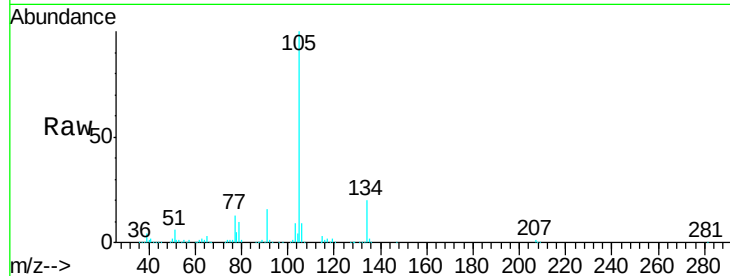
Tgt Ion:105 Resp: 368610
Ion Ratio Lower Upper

105 100

134 19.8 9.8 29.4

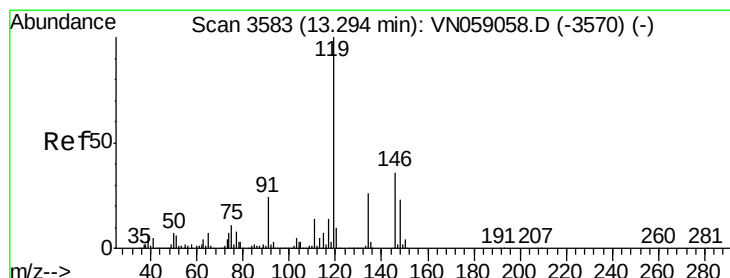
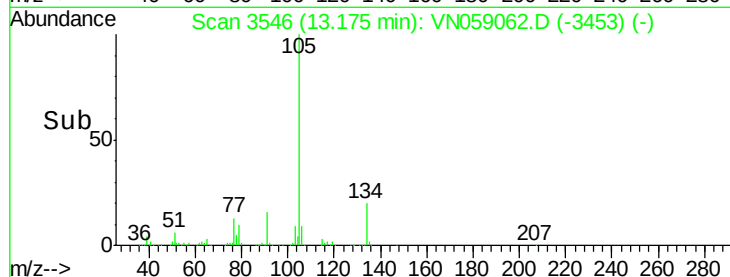
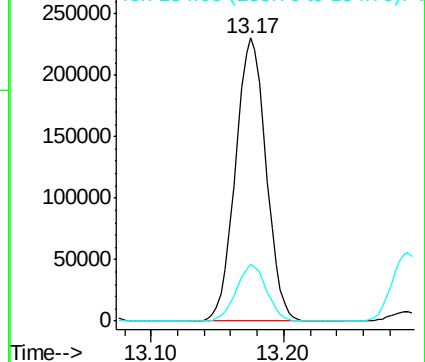
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.940 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN059062.D

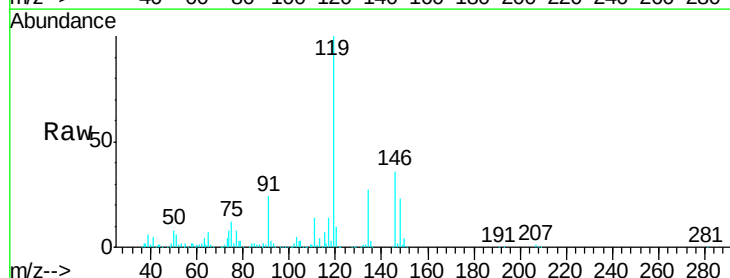
Acq: 1 Nov 2019 15:15

Tgt Ion:119 Resp: 331545
Ion Ratio Lower Upper

119 100

134 26.4 13.0 39.0

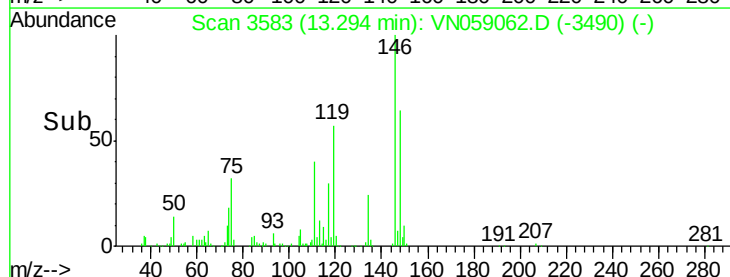
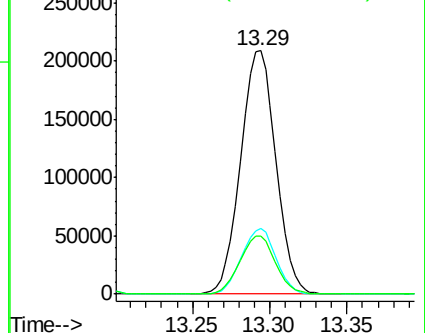
91 23.8 12.0 36.0

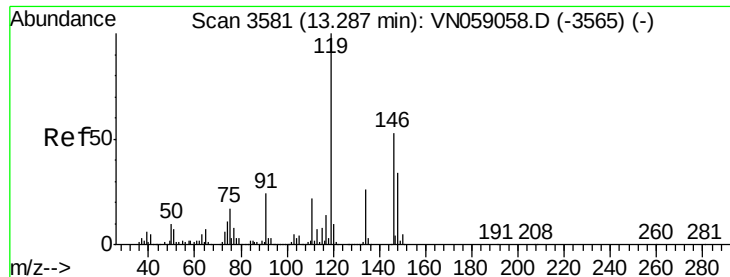


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





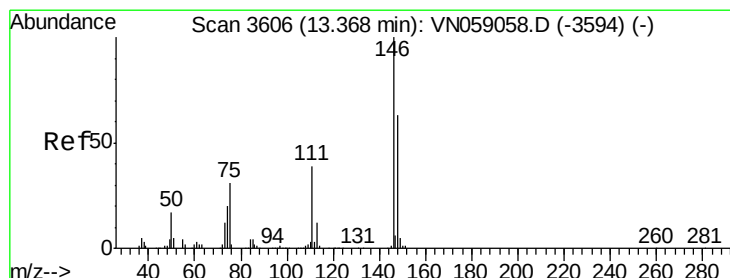
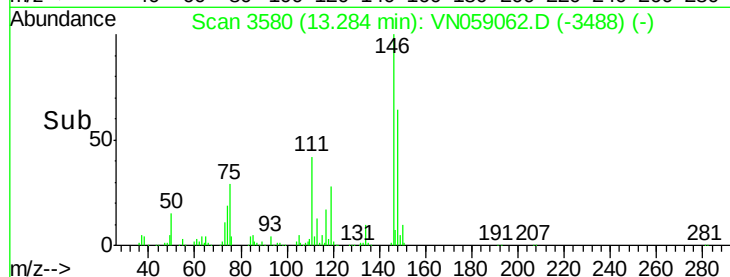
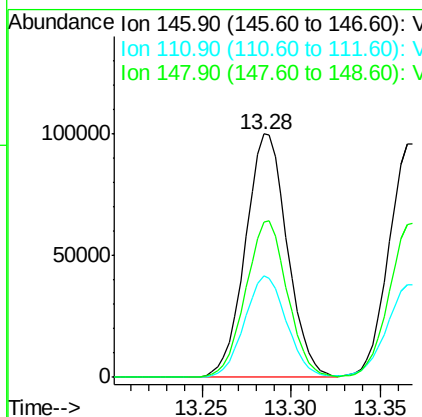
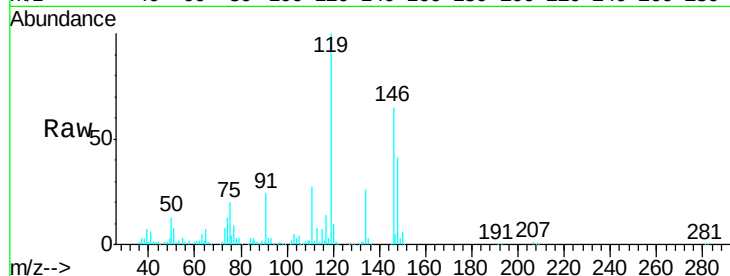
#87
 1,3-Dichlorobenzene
 Concen: 20.841 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN059062.D
 Acq: 1 Nov 2019 15:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	164014		
111	41.7	20.5	61.5	
148	63.8	31.8	95.3	

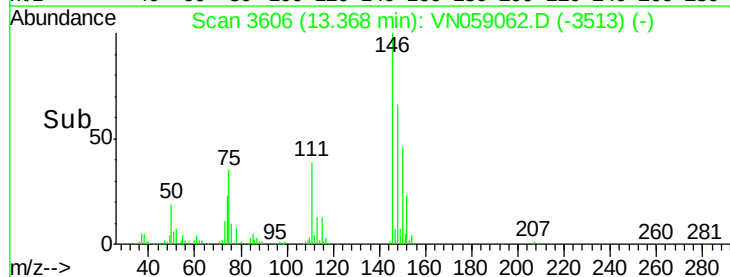
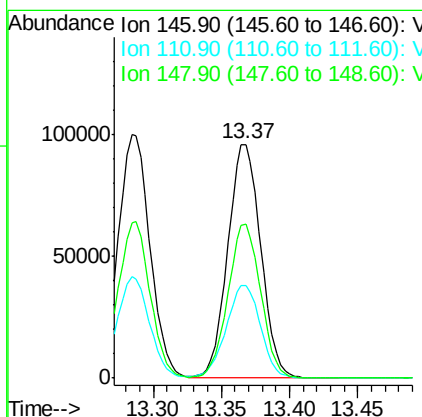
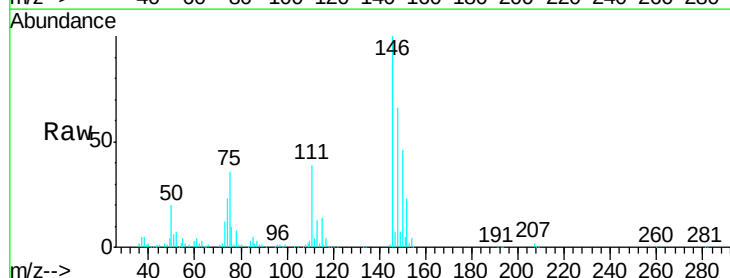
Manual Integrations
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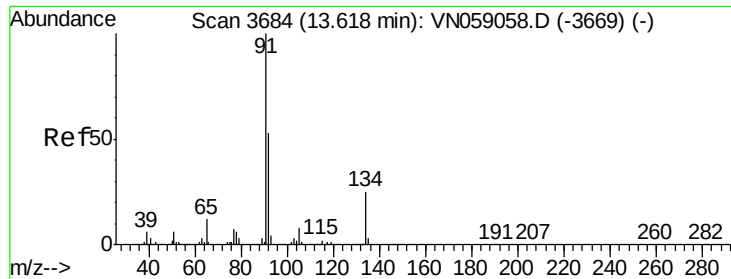
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 11/5/2019 1:59:28 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.728 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN059062.D
 Acq: 1 Nov 2019 15:15

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	161355		
111	41.2	20.1	60.2	
148	65.3	31.9	95.7	





#89

n-Butylbenzene

Concen: 21.383 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN059062.D

Acq: 1 Nov 2019 15:15

Instrument :

MSVOA_N

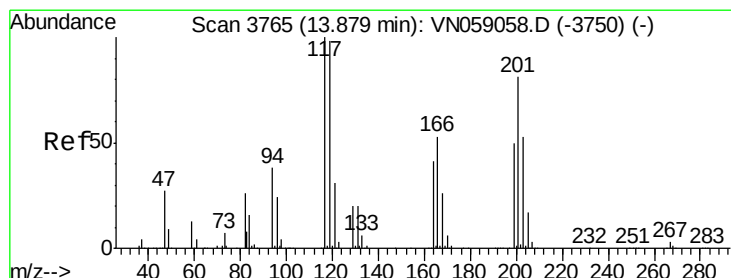
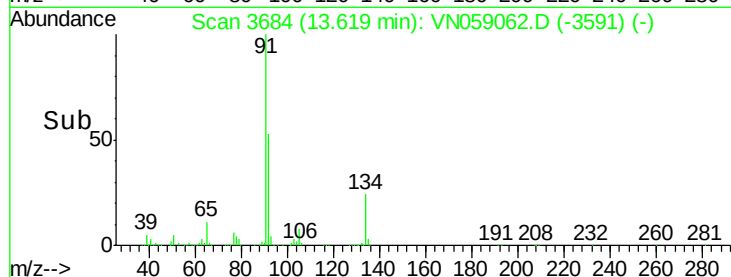
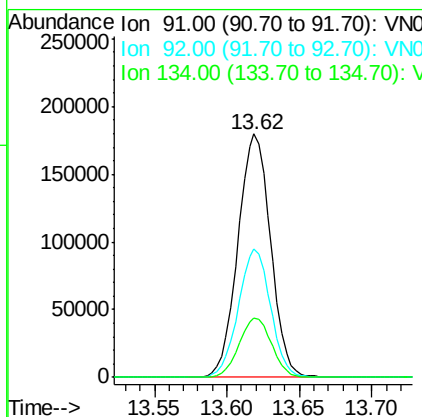
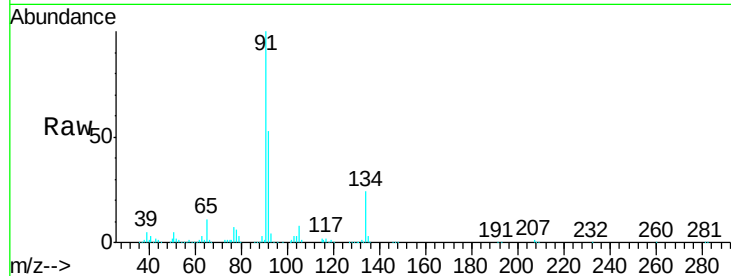
ClientSampleId :

VN1101WBS01

Tgt Ion:	91	Resp:	281561
Ion Ratio		Lower	Upper
91	100		
92	51.9	26.4	79.0
134	24.4	12.5	37.5

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#90

Hexachloroethane

Concen: 20.615 ug/l

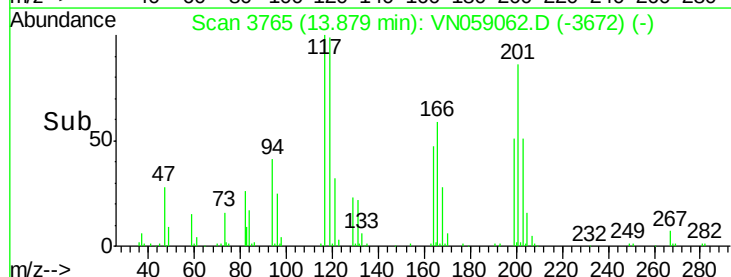
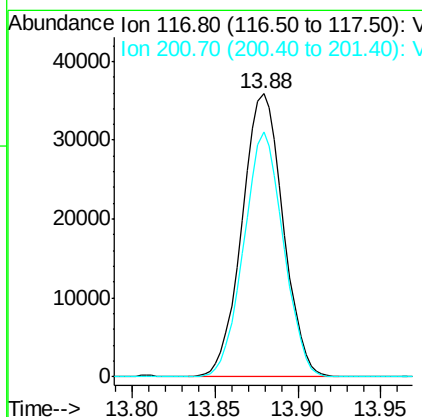
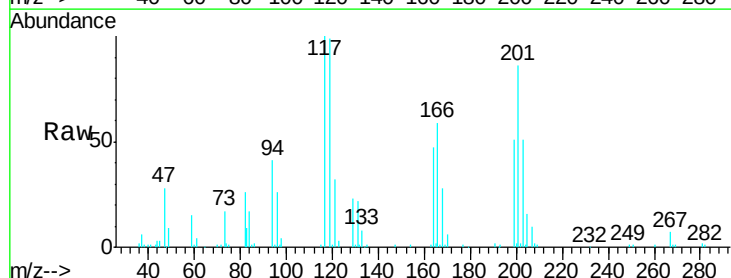
RT: 13.88 min Scan# 3765

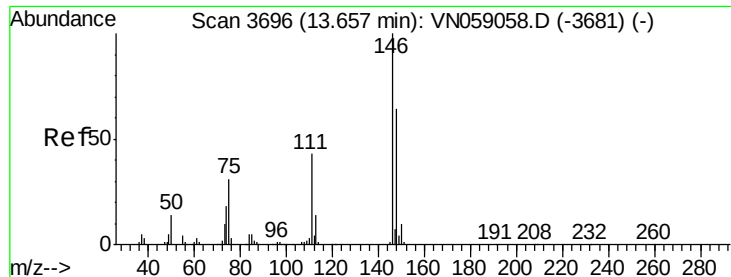
Delta R.T. 0.00 min

Lab File: VN059062.D

Acq: 1 Nov 2019 15:15

Tgt Ion:	117	Resp:	61926
Ion Ratio		Lower	Upper
117	100		
201	83.1	40.7	122.1





#91

1,2-Dichlorobenzene

Concen: 21.033 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN059062.D

Acq: 1 Nov 2019 15:15

Instrument :

MSVOA_N

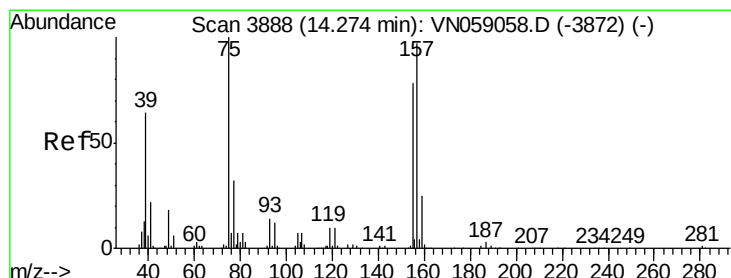
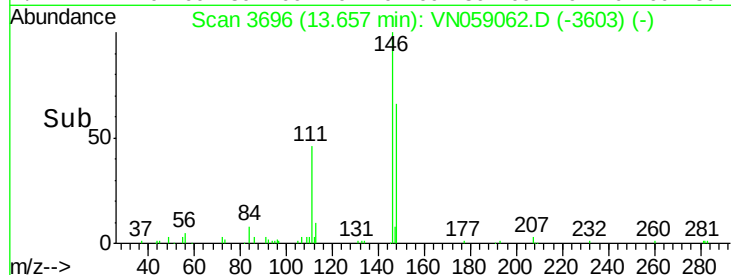
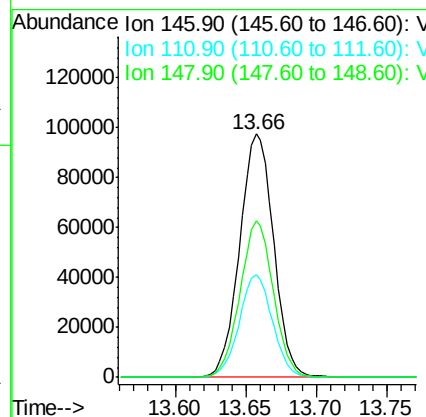
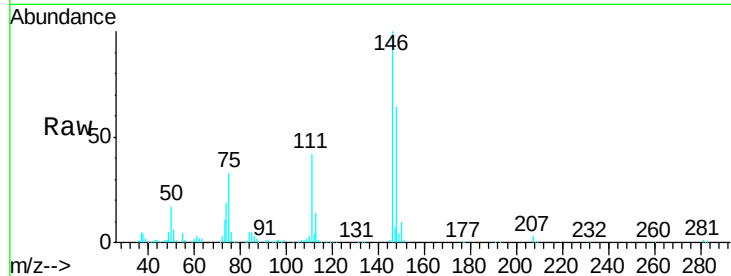
ClientSampleId :

VN1101WBS01

Tgt Ion:	146	Resp:	164695
Ion Ratio	Lower	Upper	
146	100		
111	41.3	21.2	63.6
148	63.1	32.1	96.3

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 20.560 ug/l

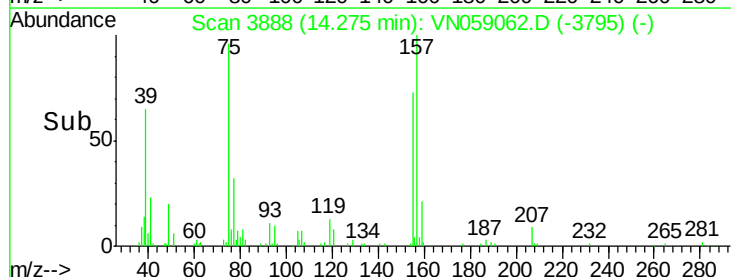
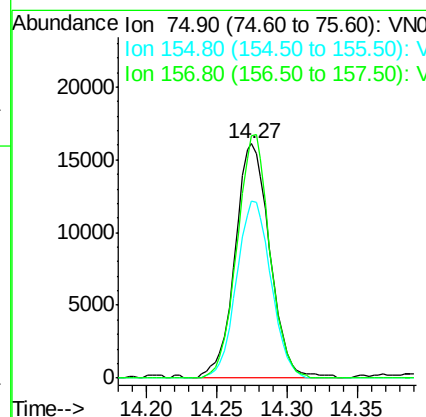
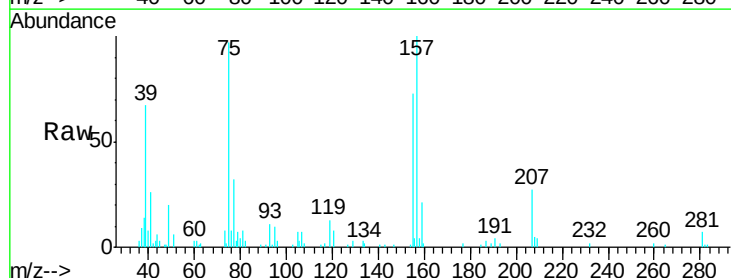
RT: 14.27 min Scan# 3888

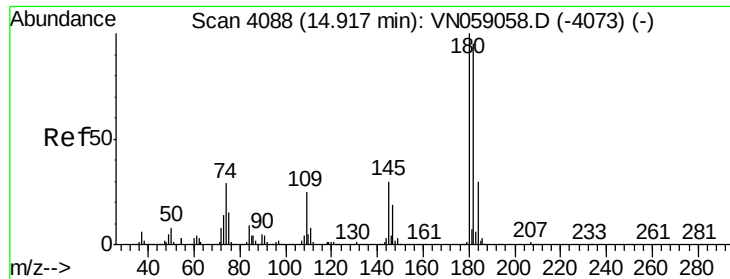
Delta R.T. 0.00 min

Lab File: VN059062.D

Acq: 1 Nov 2019 15:15

Tgt Ion:	75	Resp:	28023
Ion Ratio	Lower	Upper	
75	100		
155	74.3	39.7	119.1
157	97.1	51.0	153.0





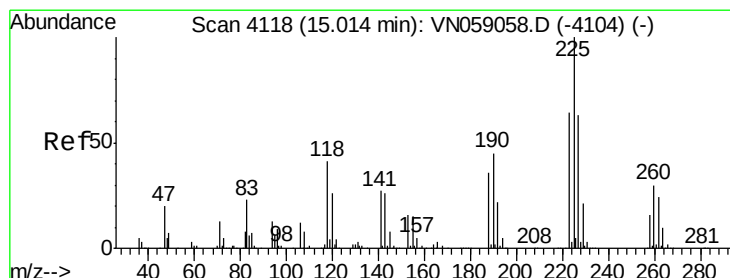
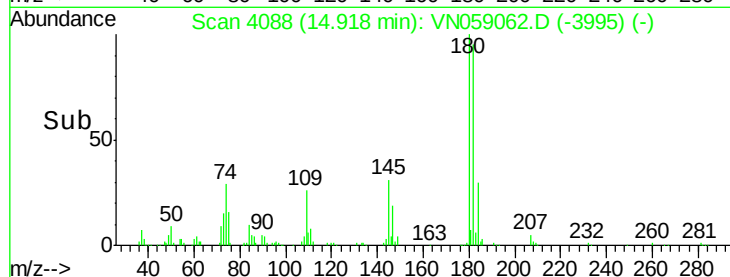
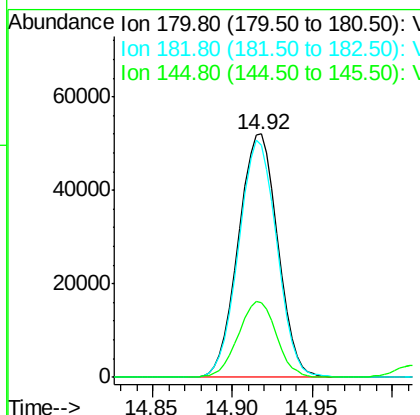
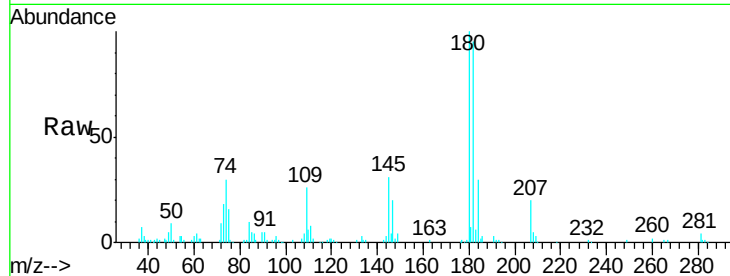
#93
 1,2,4-Trichlorobenzene
 Concen: 20.686 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN059062.D
 Acq: 1 Nov 2019 15:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	87366		
182	94.5	47.8	143.4	
145	30.2	15.1	45.3	

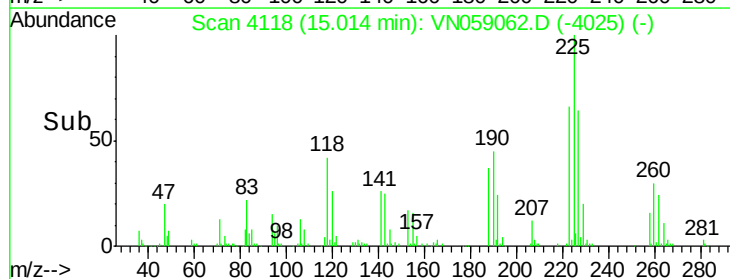
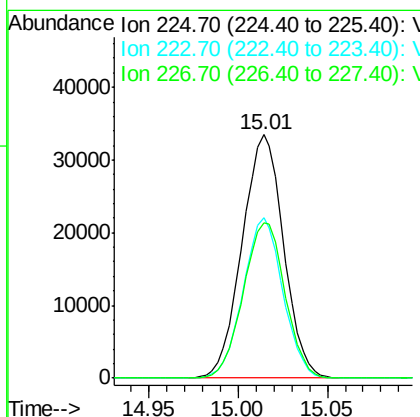
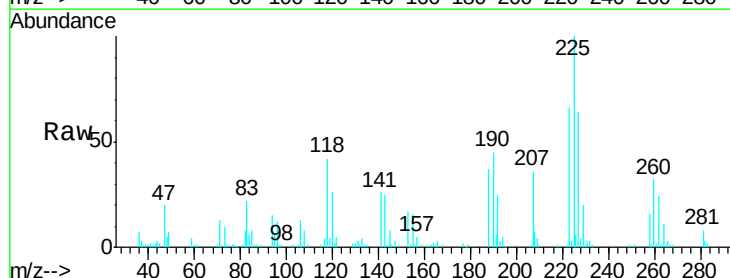
Manual Integrations
 APPROVED

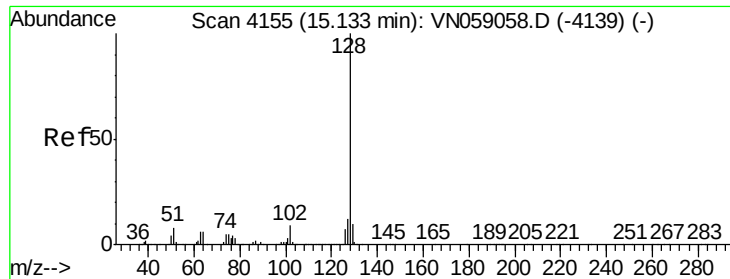
MMDadoda
 11/5/2019 1:59:28 PM



#94
 Hexachlorobutadiene
 Concen: 21.405 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN059062.D
 Acq: 1 Nov 2019 15:15

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	54256		
223	63.1	31.6	95.0	
227	64.4	31.9	95.7	





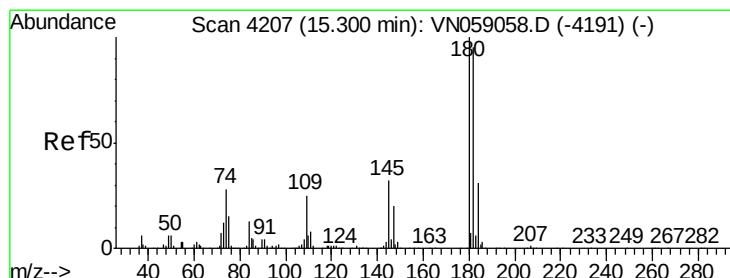
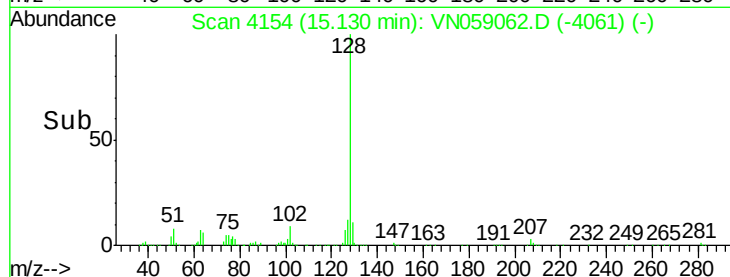
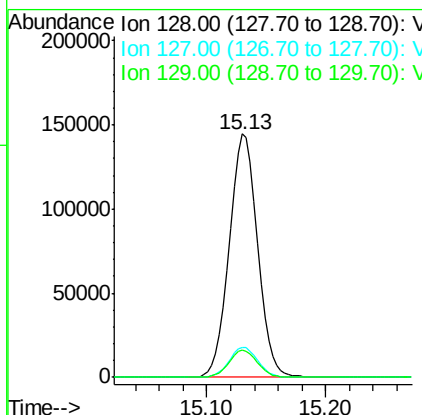
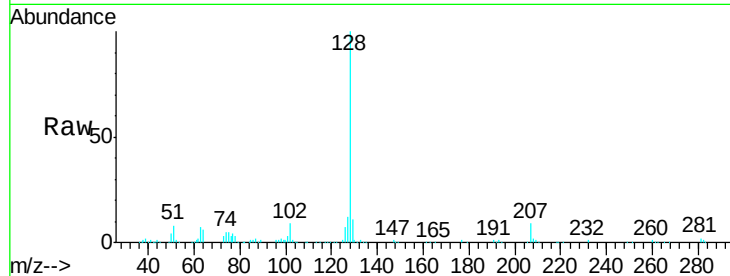
#95
Naphthalene
Concen: 20.029 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN059062.D
Acq: 1 Nov 2019 15:15

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
127	12.6	9.9	14.9
129	11.1	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
11/5/2019 1:59:28 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.709 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN059062.D
Acq: 1 Nov 2019 15:15

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	98.5	47.7	143.1
145	33.2	16.0	48.0

