

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080320\
 Data File : VN062728.D
 Acq On : 3 Aug 2020 12:07
 Operator : JC/MD
 Sample : VN0803WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/4/2020 1:52:20 PM

Quant Time: Aug 04 04:21:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 18:48:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	145450	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	237883	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	223105	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	104330	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	126171	55.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.68%	
35) Dibromofluoromethane	7.55	113	84117	53.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.66%	
50) Toluene-d8	10.06	98	320242	51.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.74%	
62) 4-Bromofluorobenzene	12.38	95	120601	52.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	32612	18.797	ug/l	98
3) Chloromethane	2.03	50	34763	14.773	ug/l	99
4) Vinyl Chloride	2.16	62	34147	16.739	ug/l	97
5) Bromomethane	2.52	94	21668	23.982	ug/l	98
6) Chloroethane	2.66	64	20526	22.244	ug/l	96
7) Trichlorofluoromethane	2.98	101	59685	24.920	ug/l	99
8) Diethyl Ether	3.37	74	21659	19.338	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.71	101	31311	20.390	ug/l	97
10) Methyl Iodide	3.91	142	35353	18.008	ug/l	94
11) Tert butyl alcohol	4.73	59	33429	93.003	ug/l	98
12) 1,1-Dichloroethene	3.69	96	30028	19.281	ug/l	97
13) Acrolein	3.57	56	15686	48.869	ug/l	99
14) Allyl chloride	4.27	41	57830	17.166	ug/l	94
15) Acrylonitrile	4.93	53	87967	91.370	ug/l	99
16) Acetone	3.77	43	83663	98.396	ug/l	95
17) Carbon Disulfide	4.00	76	86277	16.861	ug/l	97
18) Methyl Acetate	4.28	43	44154	20.513	ug/l	97
19) Methyl tert-butyl Ether	4.99	73	116880	20.390	ug/l	96
20) Methylene Chloride	4.50	84	35997	17.652	ug/l	95
21) trans-1,2-Dichloroethene	4.99	96	32721	18.930	ug/l	96
22) Diisopropyl ether	5.90	45	120132	17.940	ug/l	94
23) Vinyl Acetate	5.84	43	492199	89.706	ug/l	97
24) 1,1-Dichloroethane	5.80	63	68470	18.988	ug/l	99
25) 2-Butanone	6.78	43	118479	91.495	ug/l	96
26) 2,2-Dichloropropane	6.77	77	64085	21.649	ug/l	96
27) cis-1,2-Dichloroethene	6.78	96	37764	19.146	ug/l	99
28) Bromochloromethane	7.15	49	31327	17.653	ug/l	91
29) Tetrahydrofuran	7.16	42	74166	84.643	ug/l	91
30) Chloroform	7.33	83	71336	20.807	ug/l	94
31) Cyclohexane	7.61	56	57064	17.140	ug/l #	92
32) 1,1,1-Trichloroethane	7.53	97	65142	22.757	ug/l	98
36) 1,1-Dichloropropene	7.75	75	51137	20.168	ug/l	99
37) Ethyl Acetate	6.88	43	49003	17.929	ug/l	97
38) Carbon Tetrachloride	7.73	117	57517	23.599	ug/l	92

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

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

39) Methylcyclohexane	9.05	83	53680	19.667	ug/l	98
40) Benzene	8.00	78	146317	19.061	ug/l	99
41) Methacrylonitrile	7.12	41	20697m	17.669	ug/l	
42) 1,2-Dichloroethane	8.08	62	62808	22.380	ug/l	97
43) Isopropyl Acetate	8.12	43	82145	18.643	ug/l	99
44) Trichloroethene	8.80	130	35236	20.355	ug/l	95
45) 1,2-Dichloropropane	9.08	63	39942	18.532	ug/l	95
46) Dibromomethane	9.17	93	25810	20.719	ug/l	99
47) Bromodichloromethane	9.37	83	57534	21.319	ug/l	98
48) Methyl methacrylate	9.17	41	39868	19.034	ug/l	97
49) 1,4-Dioxane	9.16	88	12528	389.436	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	247418	93.848	ug/l	98
52) Toluene	10.12	92	90727	20.354	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	62856	20.922	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	64914	20.136	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	35806	20.709	ug/l	98
56) Ethyl methacrylate	10.40	69	55538	19.025	ug/l	97
57) 1,3-Dichloropropane	10.68	76	63549	20.063	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	77549	94.039	ug/l	95
59) 2-Hexanone	10.72	43	178628	89.532	ug/l	99
60) Dibromochloromethane	10.87	129	42169	21.862	ug/l	99
61) 1,2-Dibromoethane	10.98	107	36350	20.190	ug/l	98
64) Tetrachloroethene	10.60	164	30313	20.912	ug/l	95
65) Chlorobenzene	11.40	112	93454	19.981	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	37590	21.363	ug/l	96
67) Ethyl Benzene	11.48	91	172090	20.067	ug/l	98
68) m/p-Xylenes	11.59	106	127785	41.457	ug/l	100
69) o-Xylene	11.92	106	60701	20.738	ug/l	96
70) Styrene	11.94	104	104313	21.097	ug/l	98
71) Bromoform	12.10	173	28388	21.488	ug/l #	97
73) Isopropylbenzene	12.22	105	171452	20.783	ug/l	99
74) N-amyl acetate	12.04	43	66901	18.159	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	53728	18.742	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	52042m	19.597	ug/l	
77) Bromobenzene	12.50	156	38913	19.628	ug/l	95
78) n-propylbenzene	12.56	91	197946	20.485	ug/l	99
79) 2-Chlorotoluene	12.65	91	121557	20.412	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	150244	21.956	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	18044	18.915	ug/l	91
82) 4-Chlorotoluene	12.75	91	124393	20.068	ug/l	100
83) tert-Butylbenzene	12.97	119	124658	21.939	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	143929	21.441	ug/l	98
85) sec-Butylbenzene	13.15	105	163449	21.486	ug/l	100
86) p-Isopropyltoluene	13.26	119	147576	22.556	ug/l	97
87) 1,3-Dichlorobenzene	13.26	146	69749	20.049	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	71211	20.793	ug/l	98
89) n-Butylbenzene	13.59	91	117427	20.888	ug/l	99
90) Hexachloroethane	13.85	117	27754	19.927	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	67048	20.155	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.25	75	11359	21.824	ug/l	93

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Quant Title : SW846 8260
QLast Update : Tue Jul 21 18:48:59 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	30372	19.390	ug/l	98
94) Hexachlorobutadiene	14.98	225	23044	25.392	ug/l	98
95) Naphthalene	15.10	128	75079	18.726	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	29843	19.036	ug/l	96

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

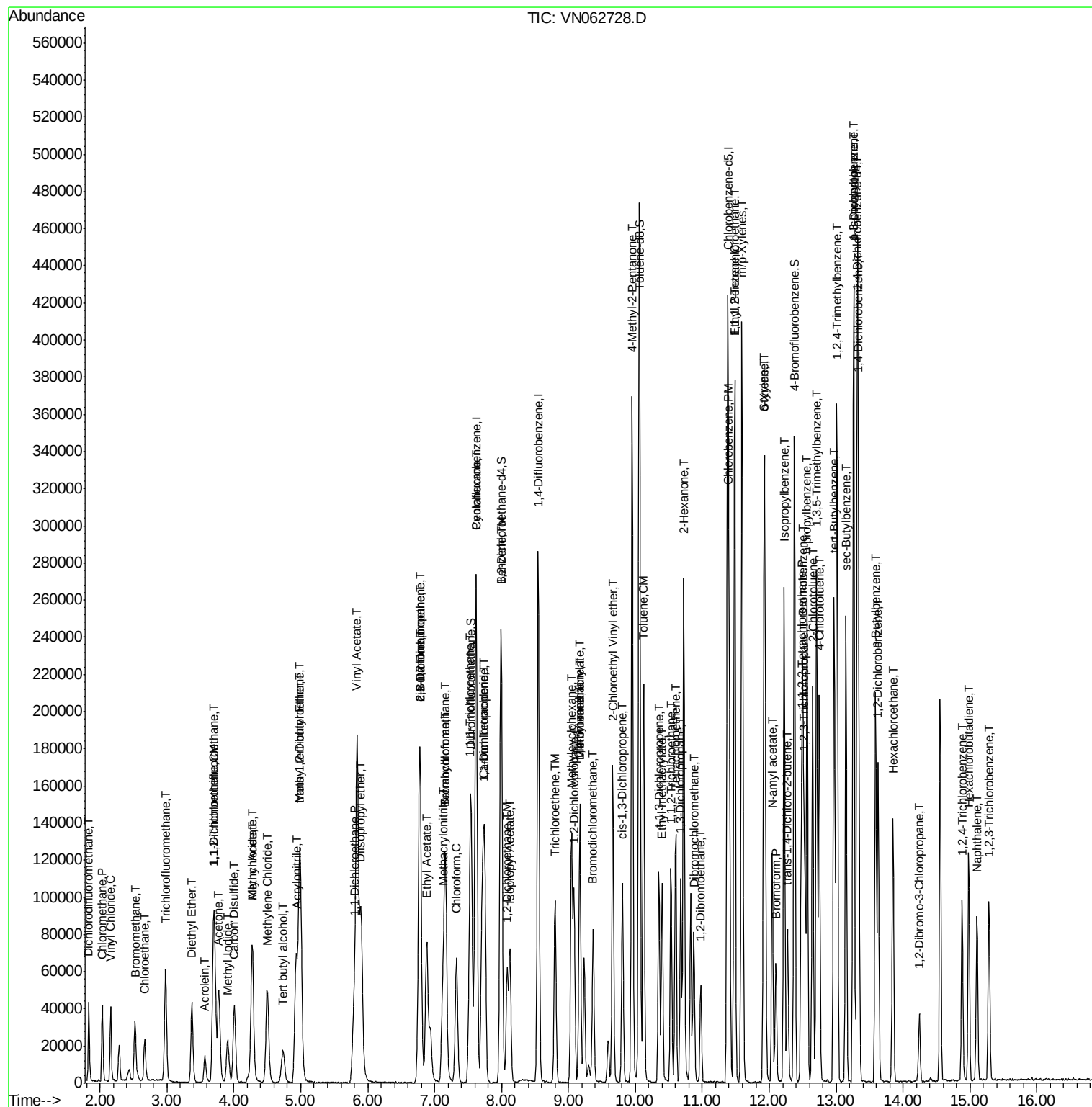
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 Data File : VN062728.D
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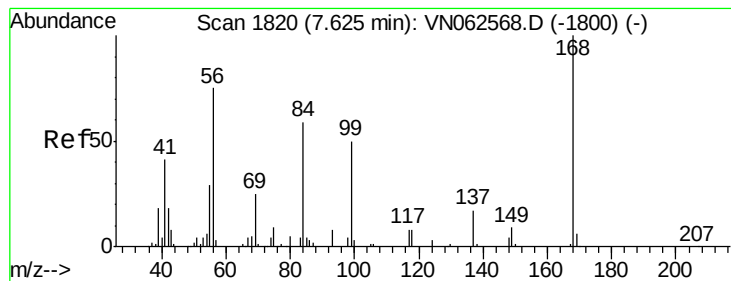
Instrument :
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 Client Sample ID :
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Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN062728.D

Acq: 3 Aug 2020 12:07

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBS01

Tot Ion:168 Resp: 145450

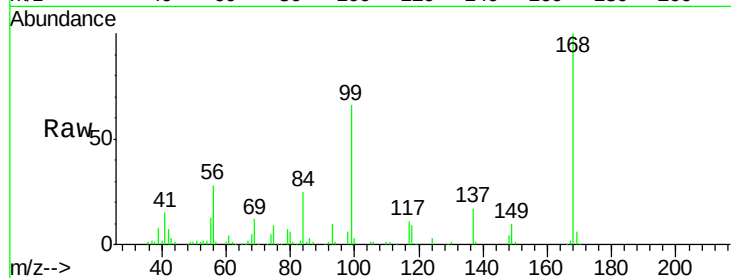
Ion Ratio Lower Upper

168 100

99 65.5 48.4 72.6

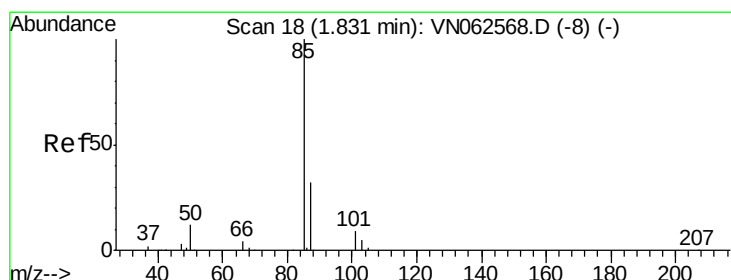
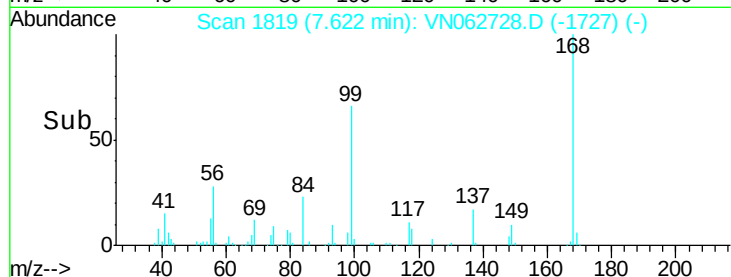
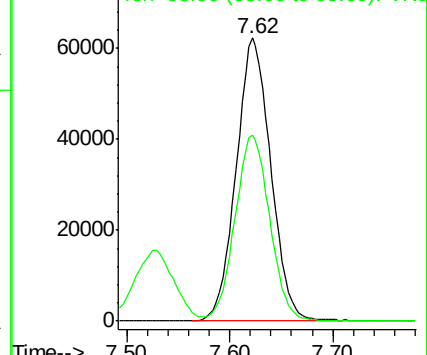
Manual Integrations
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8/4/2020 1:52:20 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 18.797 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062728.D

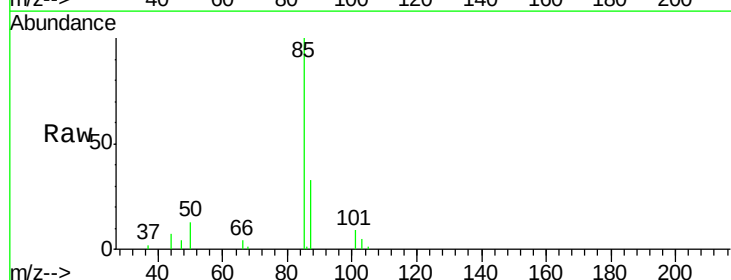
Acq: 3 Aug 2020 12:07

Tgt Ion: 85 Resp: 32612

Ion Ratio Lower Upper

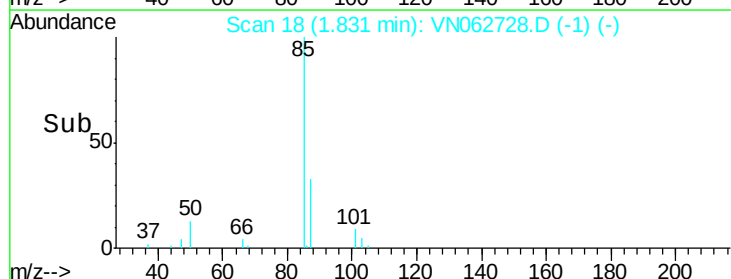
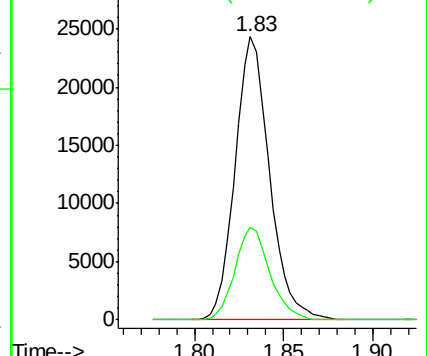
85 100

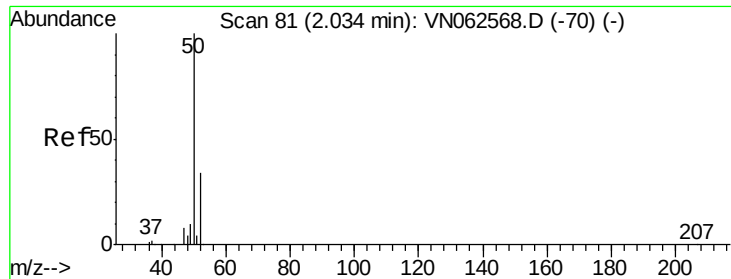
87 32.9 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 14.773 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN062728.D

Acq: 3 Aug 2020 12:07

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBS01

Tot Ion: 50 Resp: 34763

Ion Ratio Lower Upper

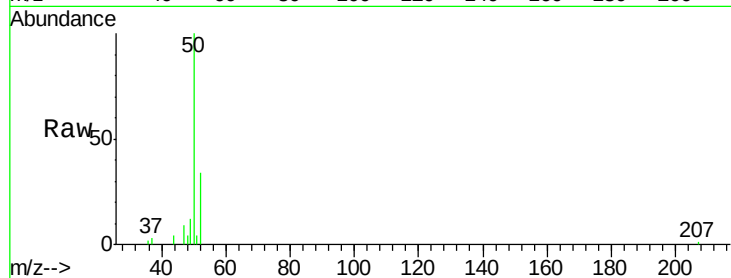
50 100

52 34.1 27.0 40.4

Manual Integrations
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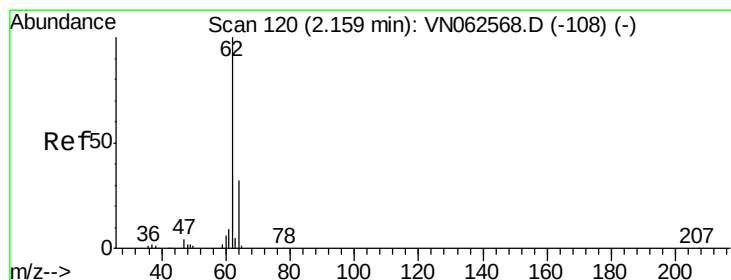
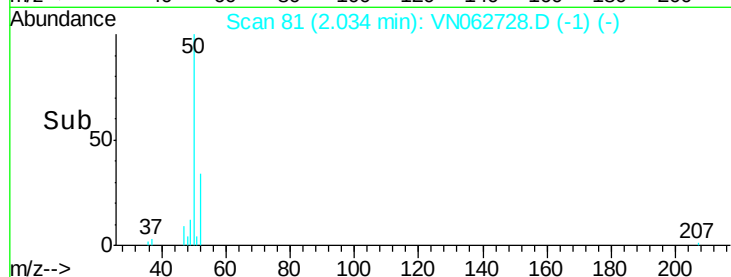
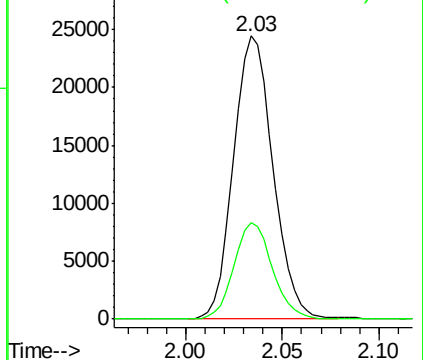
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 16.739 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN062728.D

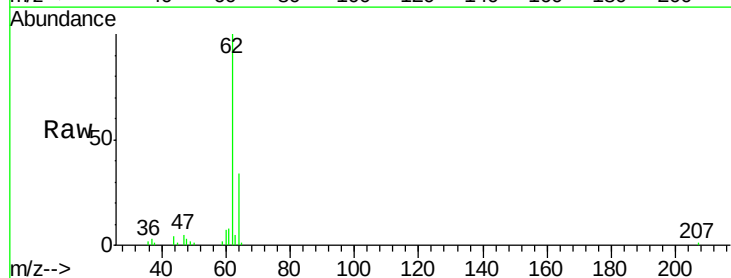
Acq: 3 Aug 2020 12:07

Tgt Ion: 62 Resp: 34147

Ion Ratio Lower Upper

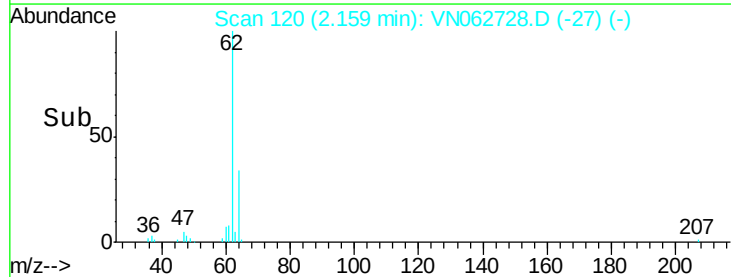
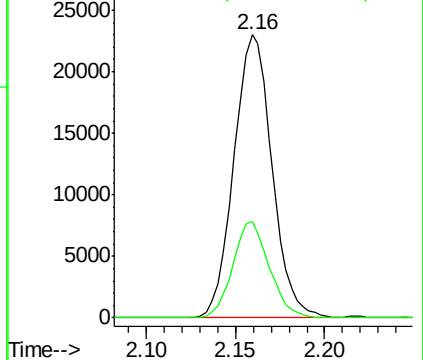
62 100

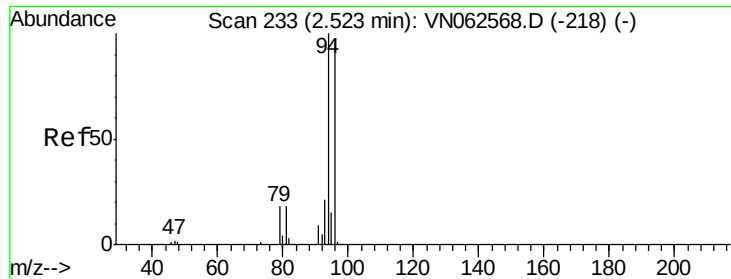
64 33.9 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 23.982 ug/l

RT: 2.52 min Scan# 233

Delta R.T. -0.00 min

Lab File: VN062728.D

Acq: 3 Aug 2020 12:07

Instrument :

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ClientSampleId :

VN0803WBS01

Tot Ion: 94 Resp: 21668

Ion Ratio Lower Upper

94 100

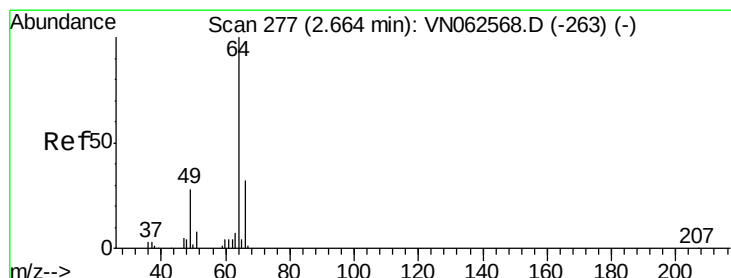
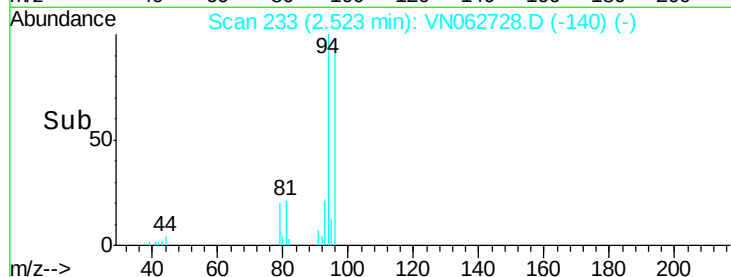
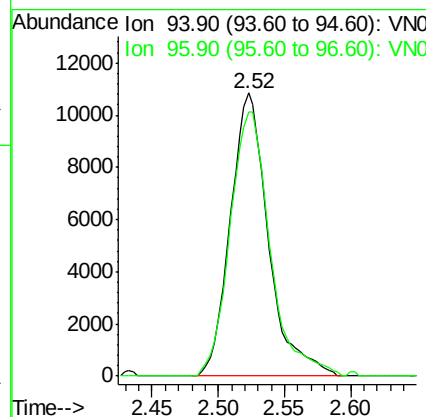
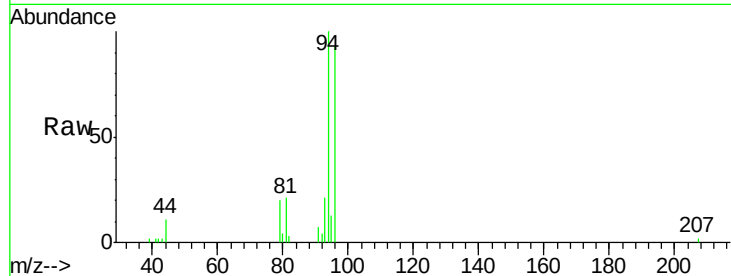
96 93.4 76.6 114.8

Manual Integrations

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#6

Chloroethane

Concen: 22.244 ug/l

RT: 2.66 min Scan# 277

Delta R.T. -0.00 min

Lab File: VN062728.D

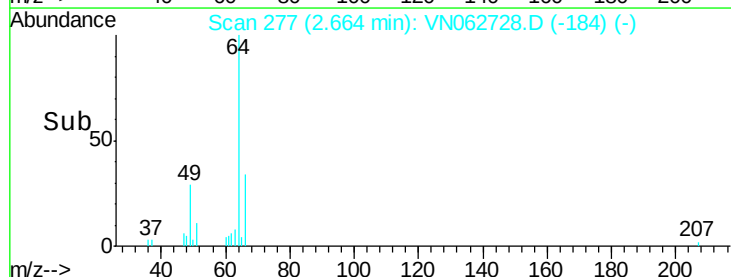
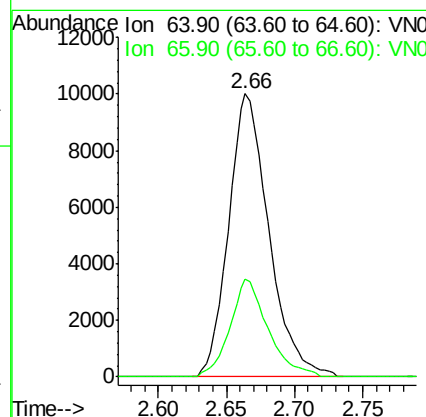
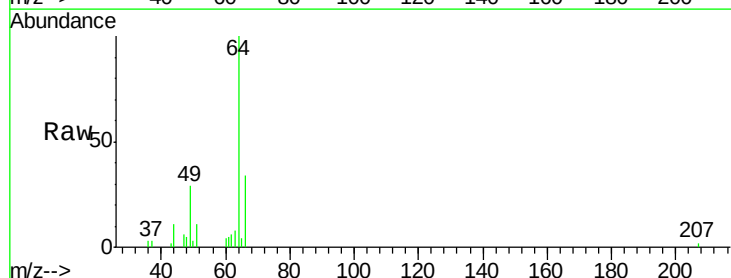
Acq: 3 Aug 2020 12:07

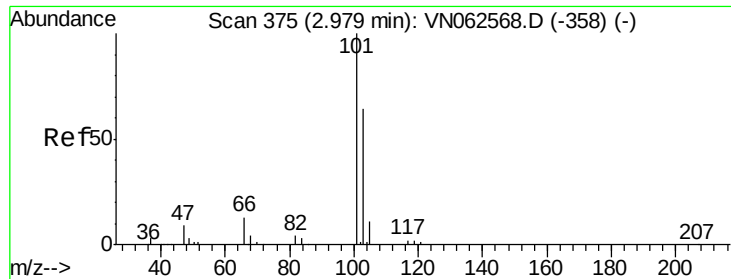
Tgt Ion: 64 Resp: 20526

Ion Ratio Lower Upper

64 100

66 34.4 25.8 38.8





#7

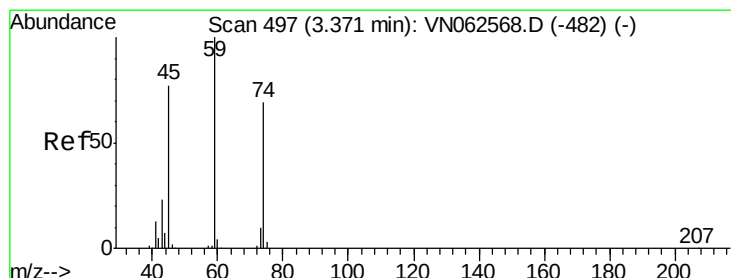
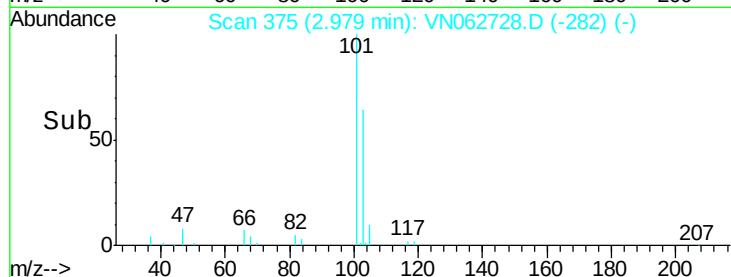
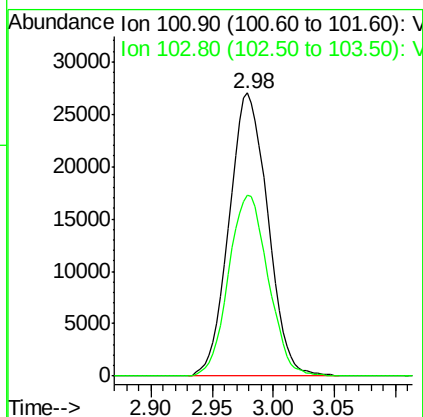
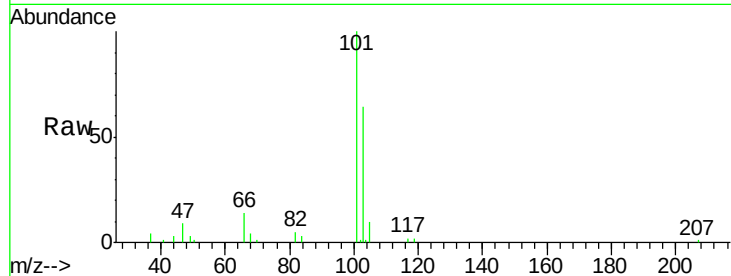
Trichlorofluoromethane
 Concen: 24.920 ug/l
 RT: 2.98 min Scan# 375
 Delta R.T. -0.00 min
 Lab File: VN062728.D
 Acq: 3 Aug 2020 12:07

Instrument :
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 VN0803WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		59685		
103	64.0	51.5	77.3		

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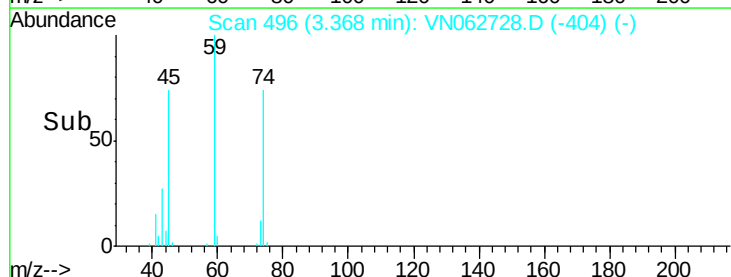
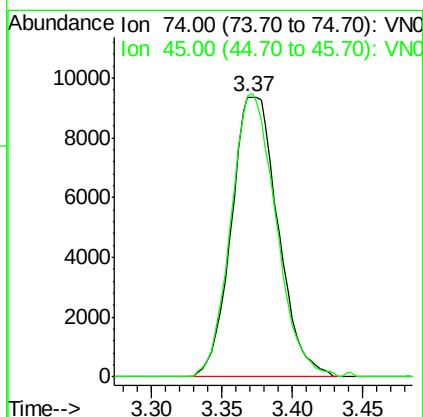
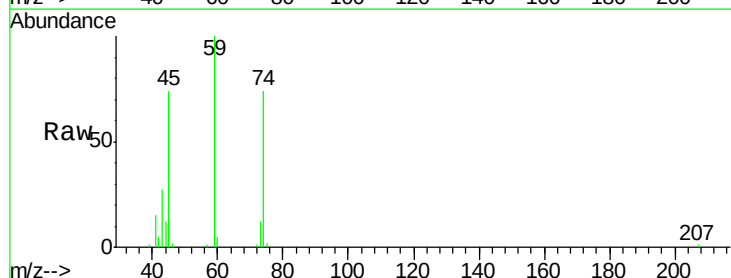
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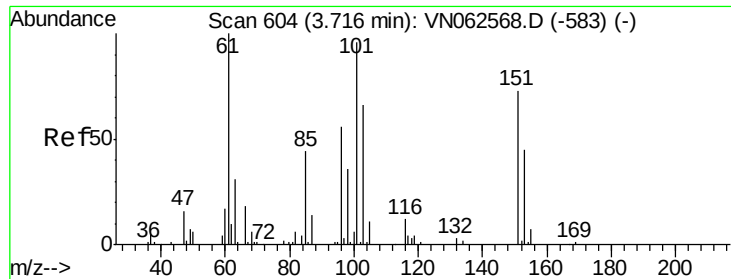


#8

Diethyl Ether
 Concen: 19.338 ug/l
 RT: 3.37 min Scan# 496
 Delta R.T. -0.00 min
 Lab File: VN062728.D
 Acq: 3 Aug 2020 12:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		21659		
45	98.2	55.3	165.8		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.390 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

Lab File: VN062728.D

Acq: 3 Aug 2020 12:07

Instrument :

MSVOA_N

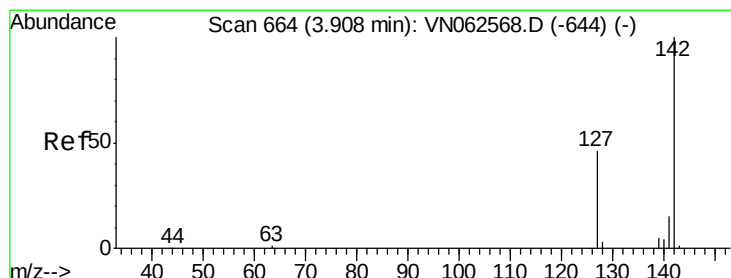
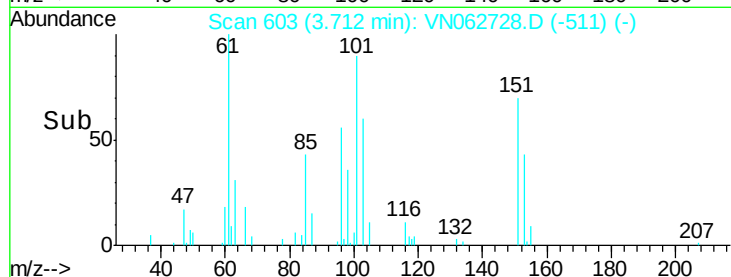
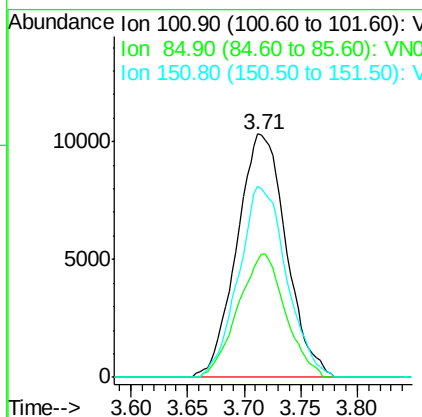
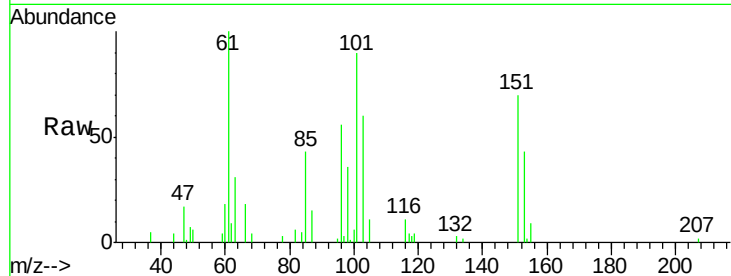
ClientSampled :

VN0803WBS01

Tot Ion:	101	Resp:	31311
Ion Ratio	Lower	Upper	
101	100		
85	48.7	36.0	54.0
151	76.4	60.0	90.0

Manual Integrations
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#10

Methyl Iodide

Concen: 18.008 ug/l

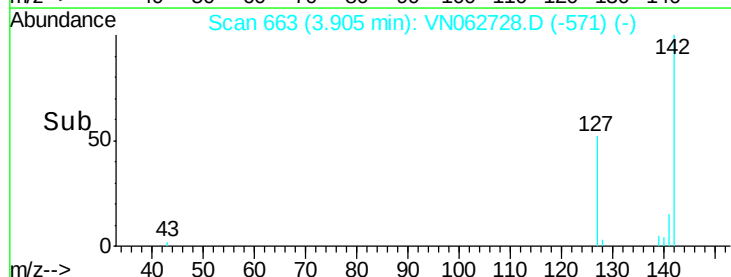
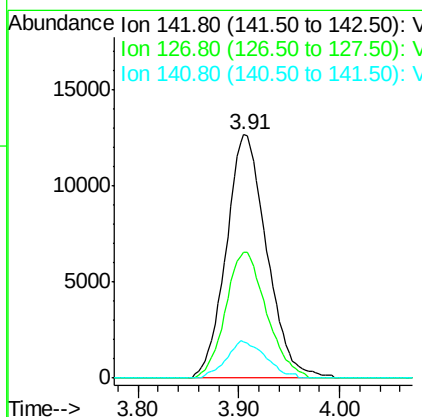
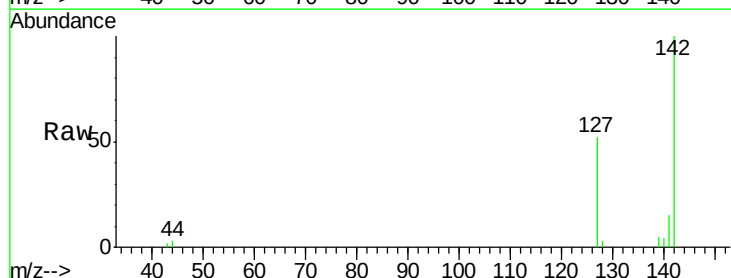
RT: 3.91 min Scan# 663

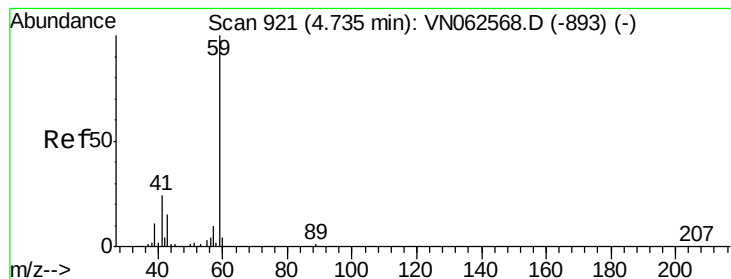
Delta R.T. -0.00 min

Lab File: VN062728.D

Acq: 3 Aug 2020 12:07

Tgt Ion:	142	Resp:	35353
Ion Ratio	Lower	Upper	
142	100		
127	52.0	37.4	56.0
141	14.9	11.9	17.9





#11

Tert butyl alcohol

Concen: 93.003 ug/l

RT: 4.73 min Scan# 920

Delta R.T. -0.00 min

Lab File: VN062728.D

Acq: 3 Aug 2020 12:07

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBS01

Tot Ion: 59 Resp: 33429

Ion Ratio Lower Upper

59 100

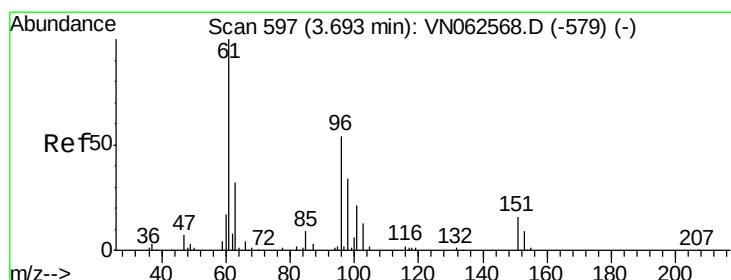
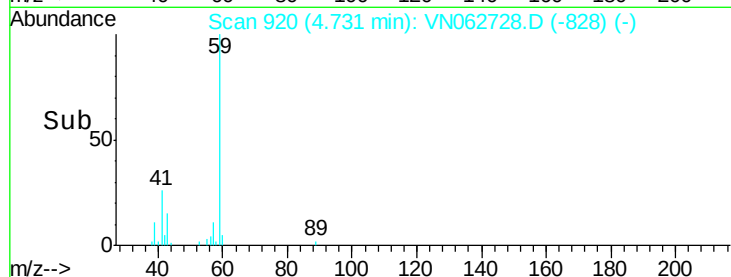
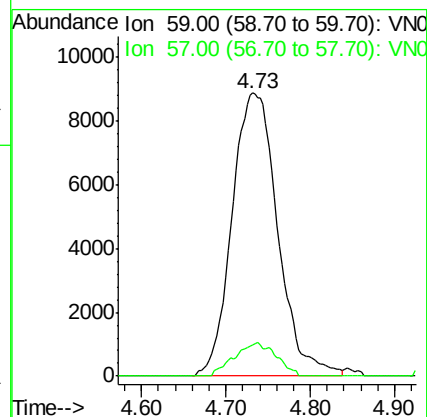
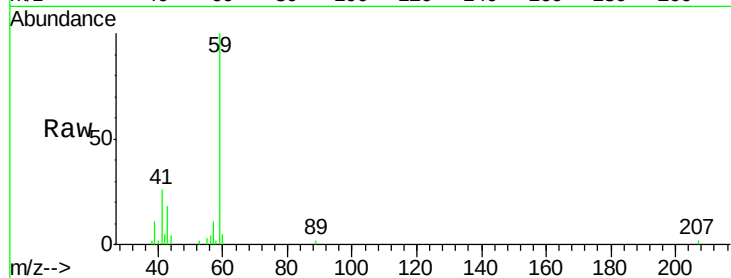
57 10.8 8.2 12.2

Manual Integrations

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#12

1,1-Dichloroethene

Concen: 19.281 ug/l

RT: 3.69 min Scan# 597

Delta R.T. -0.00 min

Lab File: VN062728.D

Acq: 3 Aug 2020 12:07

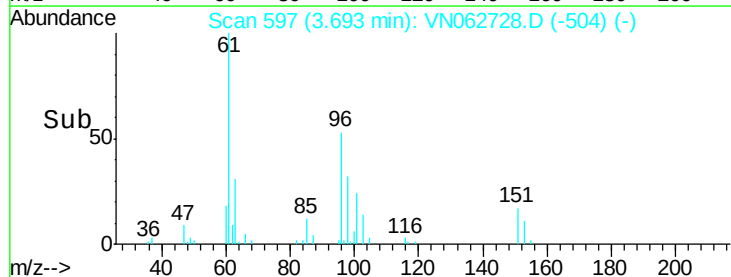
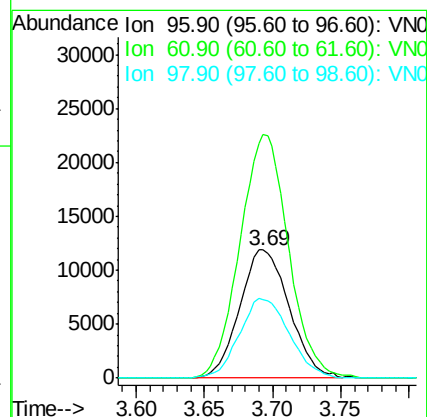
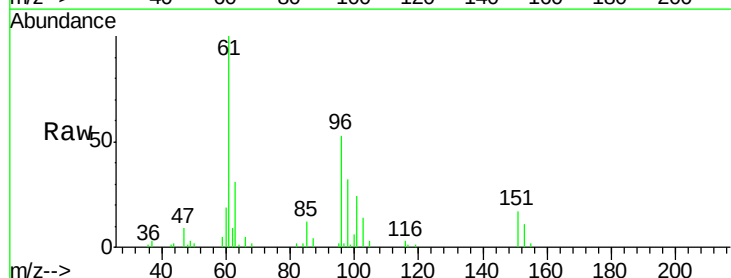
Tgt Ion: 96 Resp: 30028

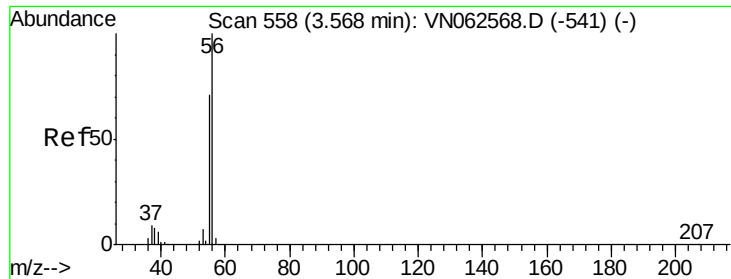
Ion Ratio Lower Upper

96 100

61 189.8 148.6 222.8

98 61.6 50.6 75.8





#13

Acrolein

Concen: 48.869 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN062728.D

Acq: 3 Aug 2020 12:07

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBS01

Tot Ion: 56 Resp: 15686

Ion Ratio Lower Upper

56 100

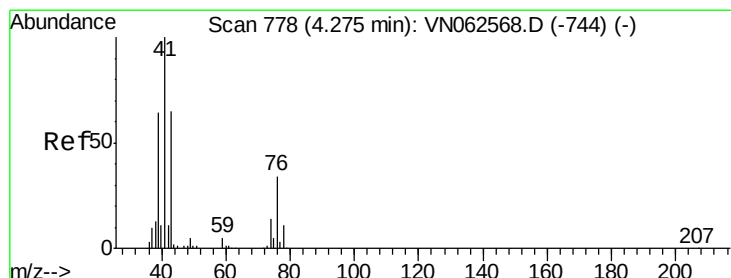
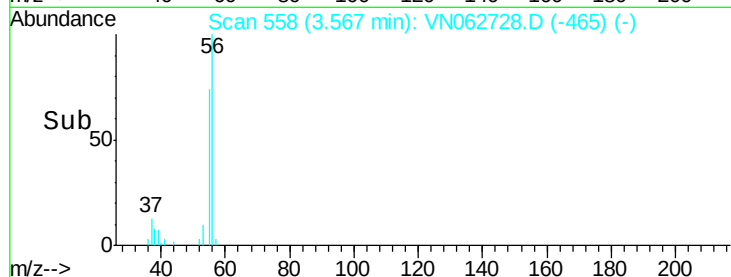
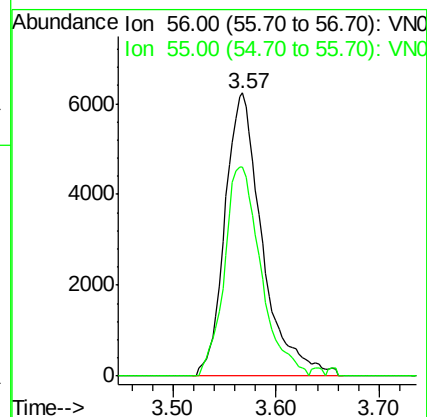
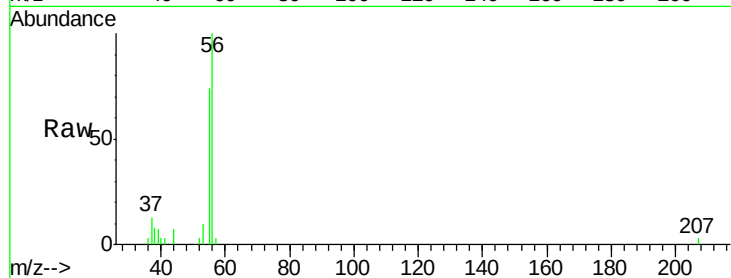
55 72.2 57.0 85.4

Manual Integrations

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#14

Allyl chloride

Concen: 17.166 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN062728.D

Acq: 3 Aug 2020 12:07

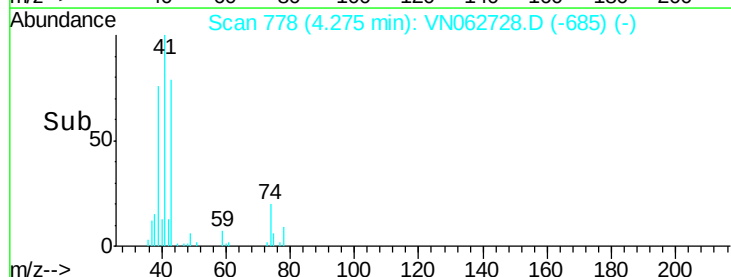
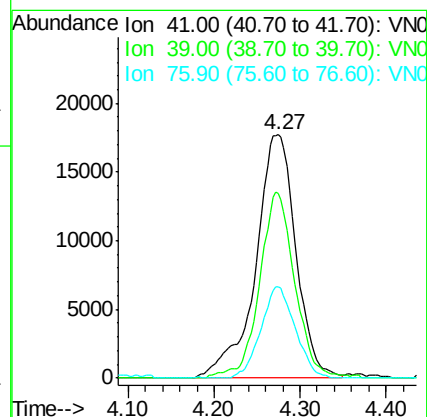
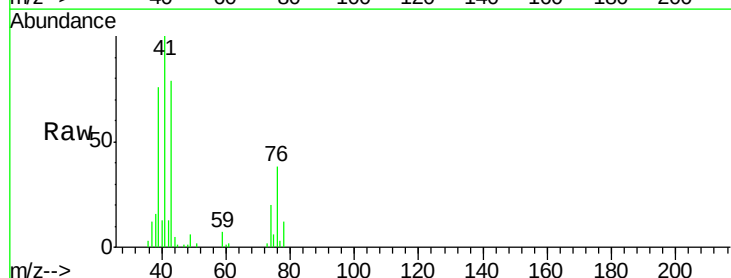
Tgt Ion: 41 Resp: 57830

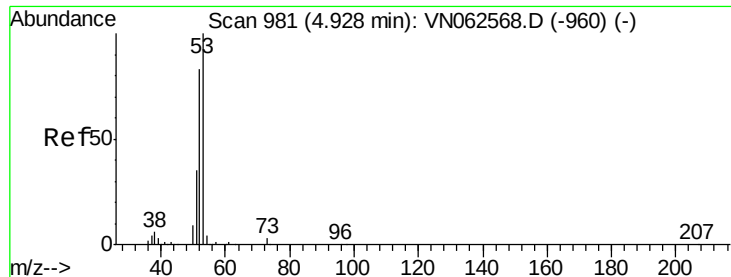
Ion Ratio Lower Upper

41 100

39 66.7 49.0 73.4

76 32.0 24.0 36.0





#15

Acrylonitrile

Concen: 91.370 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN062728.D

Acq: 3 Aug 2020 12:07

Instrument :

MSVOA_N

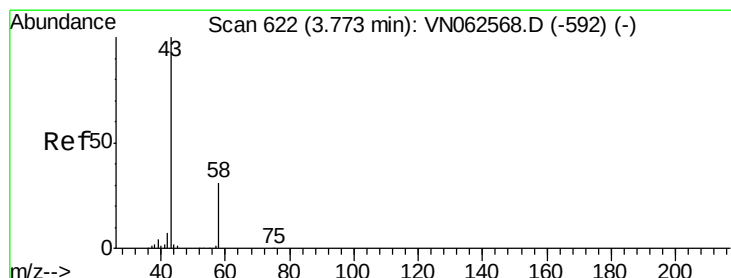
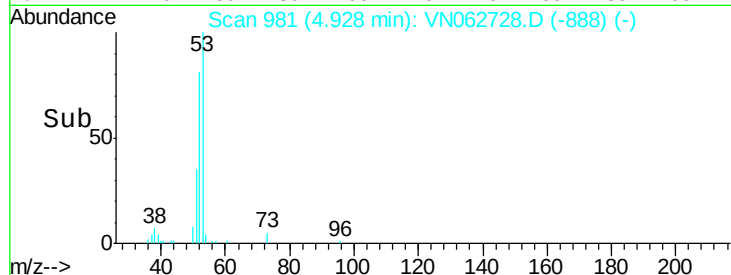
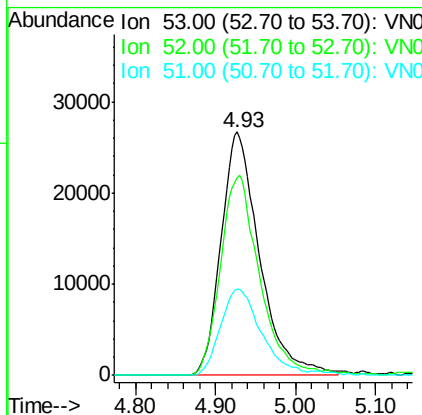
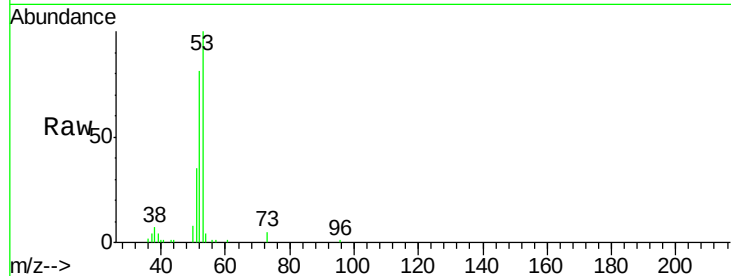
ClientSampleId :

VN0803WBS01

Tot Ion:	53	Resp:	87967
Ion Ratio	Lower	Upper	
53	100		
52	82.8	66.3	99.5
51	37.2	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 98.396 ug/l

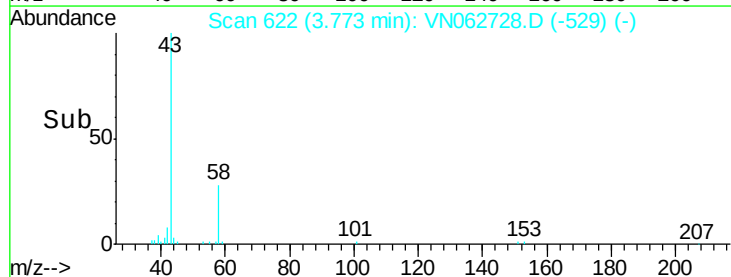
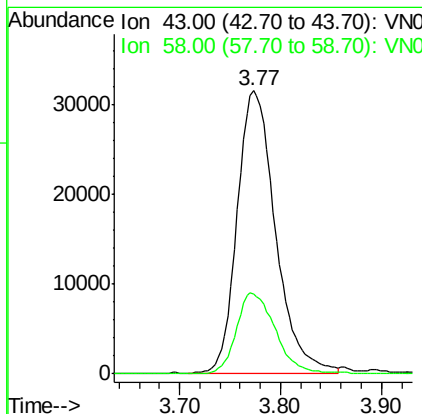
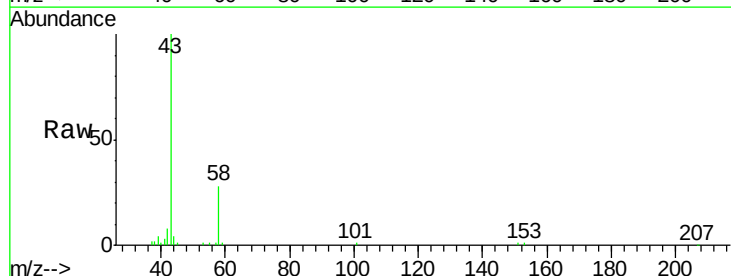
RT: 3.77 min Scan# 622

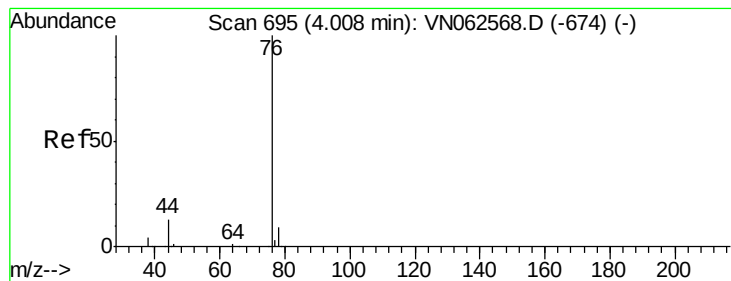
Delta R.T. -0.00 min

Lab File: VN062728.D

Acq: 3 Aug 2020 12:07

Tgt Ion:	43	Resp:	83663
Ion Ratio	Lower	Upper	
43	100		
58	28.2	24.6	37.0





#17

Carbon Disulfide

Concen: 16.861 ug/l

RT: 4.00 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN062728.D

Acq: 3 Aug 2020 12:07

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBS01

Tot Ion: 76 Resp: 86277

Ion Ratio Lower Upper

76 100

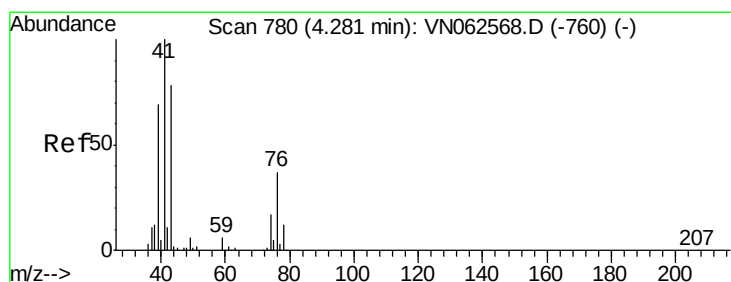
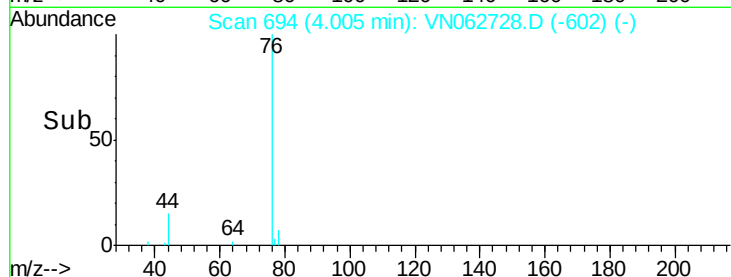
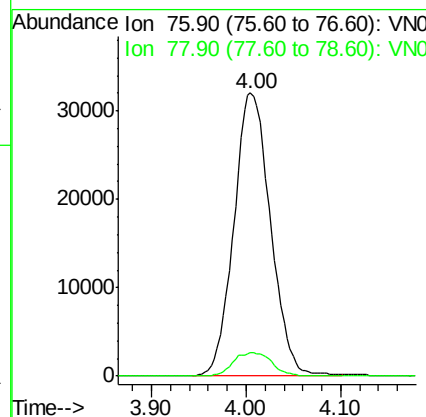
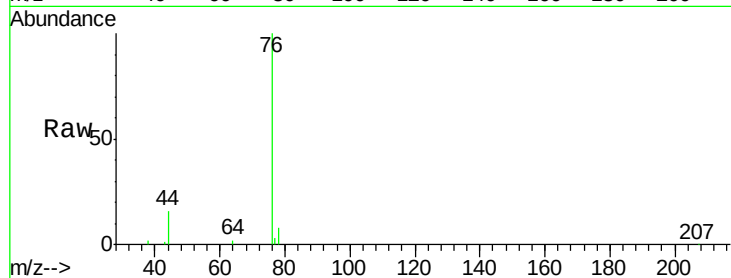
78 8.1 7.3 10.9

Manual Integrations

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#18

Methyl Acetate

Concen: 20.513 ug/l

RT: 4.28 min Scan# 781

Delta R.T. 0.00 min

Lab File: VN062728.D

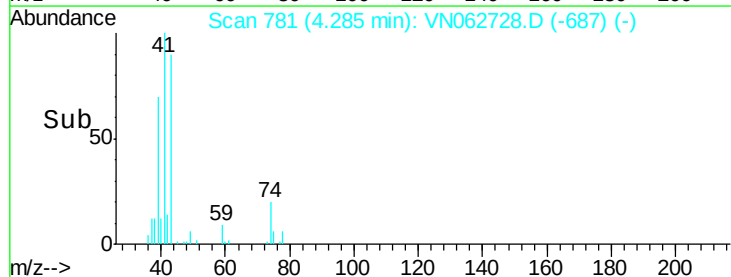
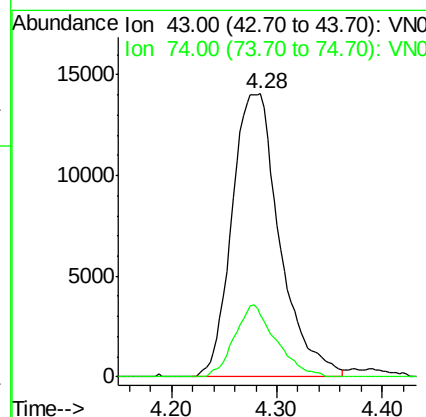
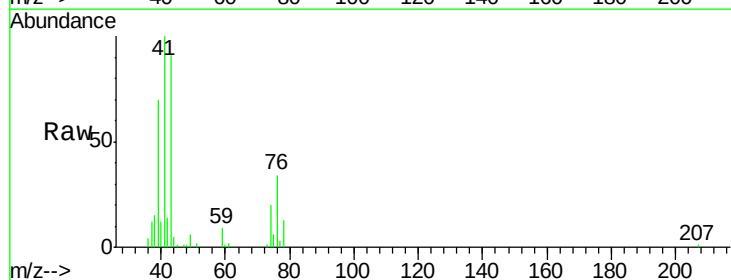
Acq: 3 Aug 2020 12:07

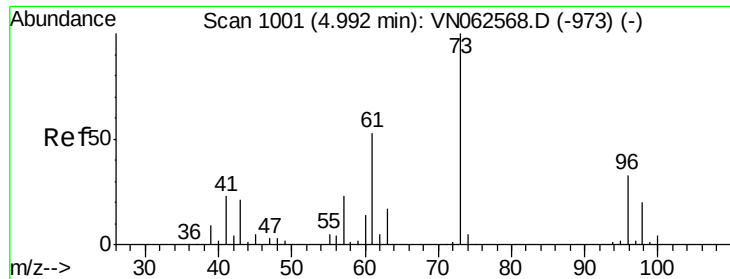
Tgt Ion: 43 Resp: 44154

Ion Ratio Lower Upper

43 100

74 22.1 16.6 24.8





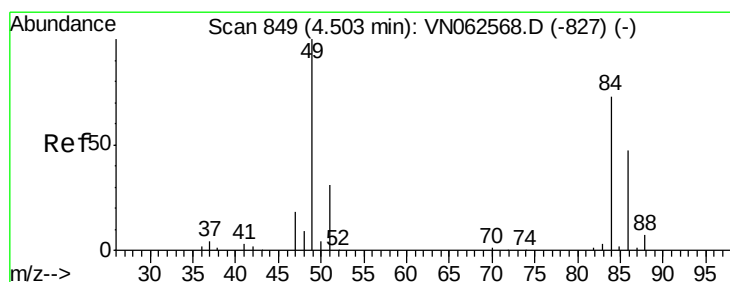
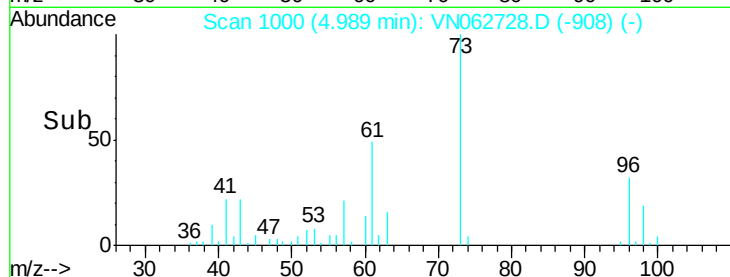
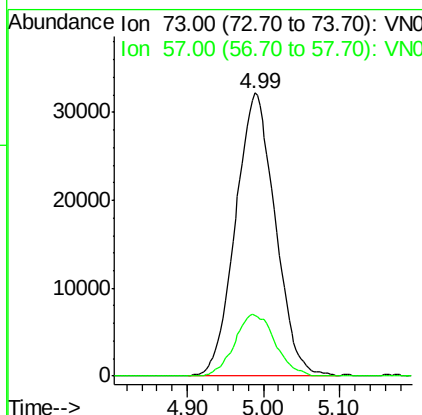
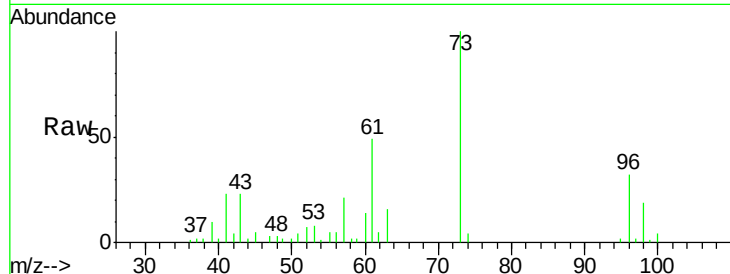
#19
Methyl tert-butyl Ether
Concen: 20.390 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN062728.D
Acq: 3 Aug 2020 12:07

Instrument :
MSVOA_N
ClientSampleId :
VN0803WBS01

Tot Ion: 73 Resp: 116880
Ion Ratio Lower Upper
73 100
57 21.3 18.6 27.8

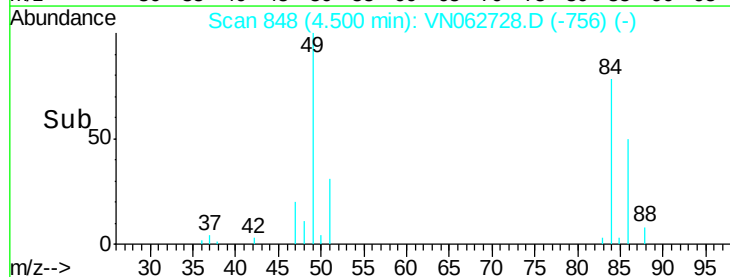
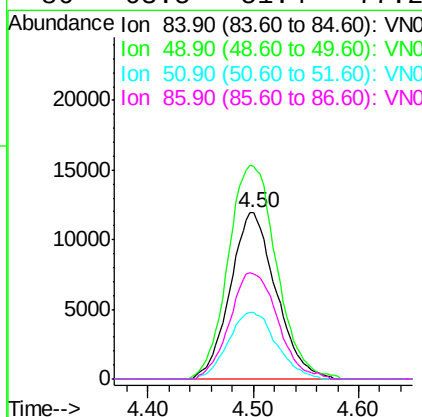
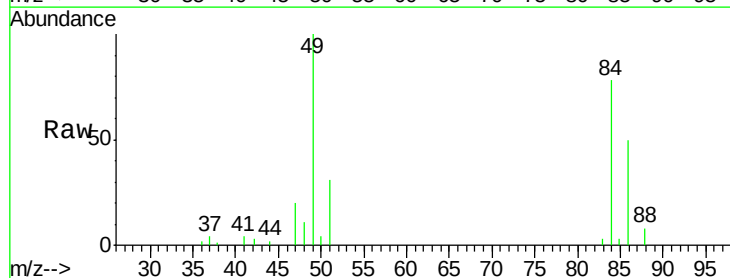
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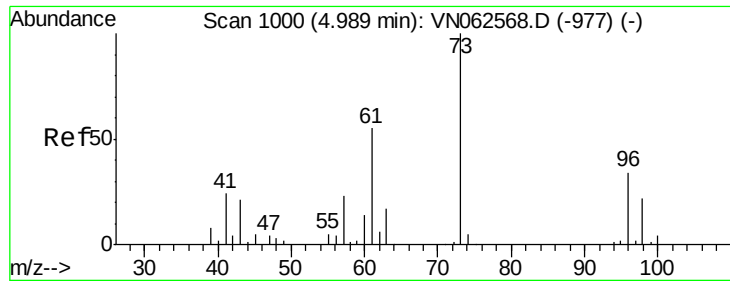
MMDadoda
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#20
Methylene Chloride
Concen: 17.652 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN062728.D
Acq: 3 Aug 2020 12:07

Tgt Ion: 84 Resp: 35997
Ion Ratio Lower Upper
84 100
49 128.1 109.4 164.0
51 40.0 33.6 50.4
86 63.5 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 18.930 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN062728.D

Acq: 3 Aug 2020 12:07

Instrument :

MSVOA_N

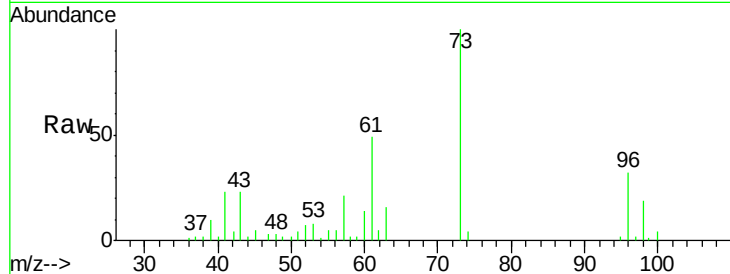
ClientSampleId :

VN0803WBS01

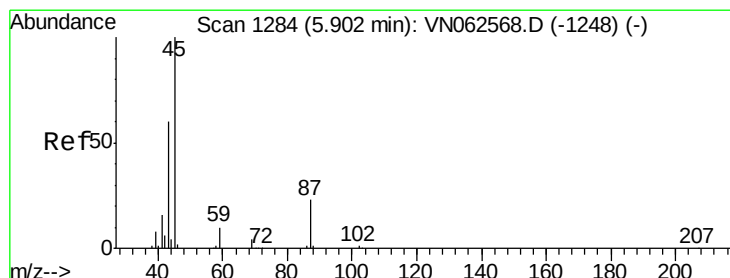
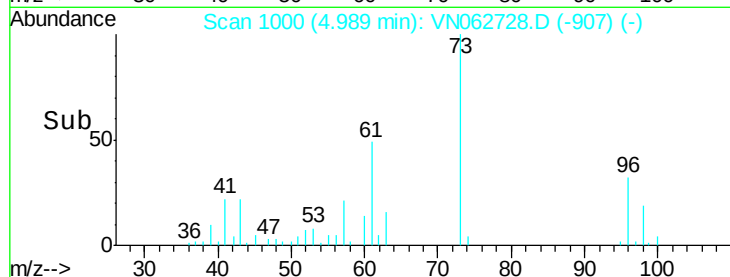
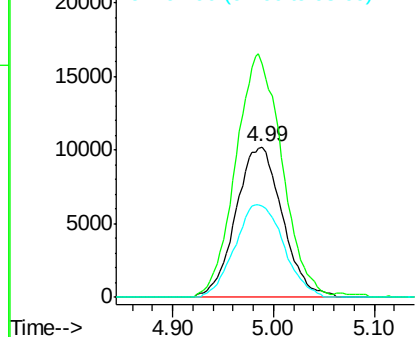
Tot Ion:	96	Resp:	32721
Ion	Ratio	Lower	Upper
96	100		
61	155.4	128.6	192.8
98	61.0	50.6	76.0

Manual Integrations
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Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 17.940 ug/l

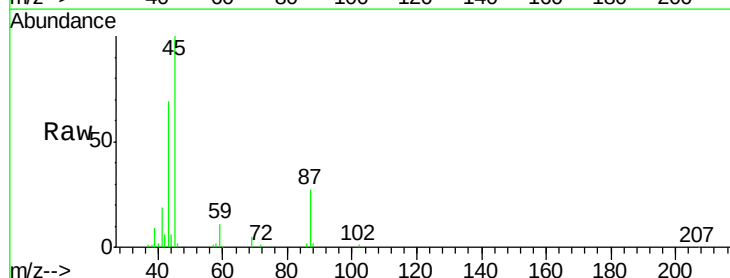
RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

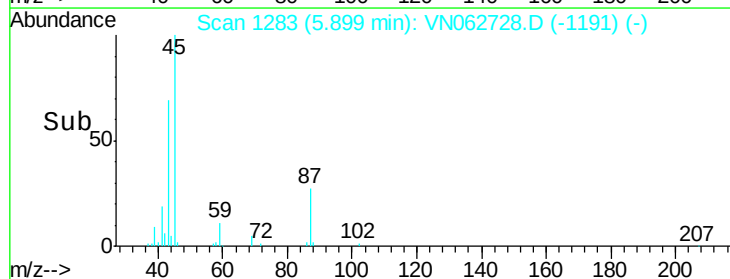
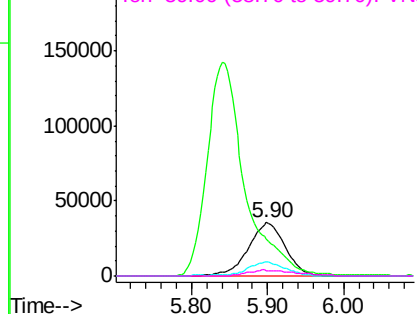
Lab File: VN062728.D

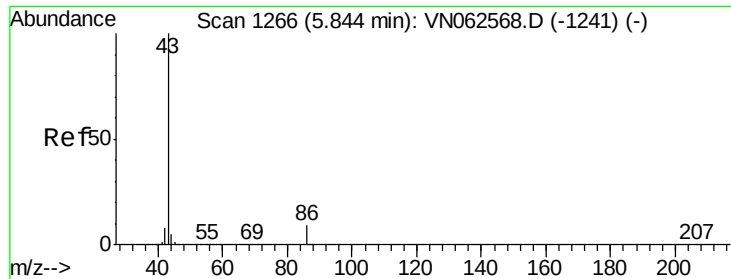
Acq: 3 Aug 2020 12:07

Tgt Ion:	45	Resp:	120132
Ion	Ratio	Lower	Upper
45	100		
43	65.8	48.7	73.1
87	26.7	19.0	28.6
59	10.1	8.6	13.0



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 89.706 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VN062728.D

Acq: 3 Aug 2020 12:07

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBS01

Tot Ion: 43 Resp: 492199

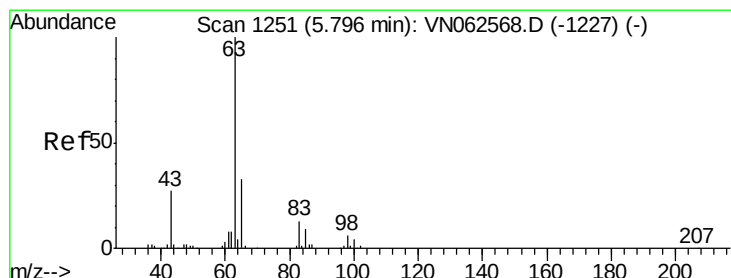
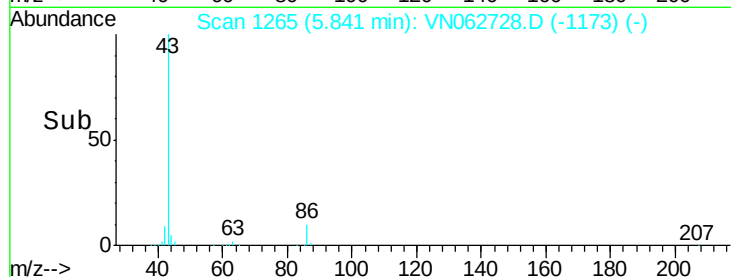
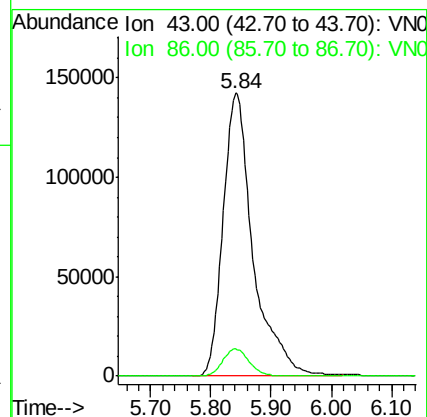
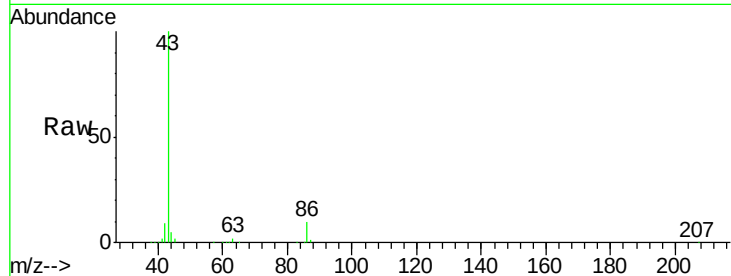
Ion Ratio Lower Upper

43 100

86 9.5 6.9 10.3

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#24

1,1-Dichloroethane

Concen: 18.988 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN062728.D

Acq: 3 Aug 2020 12:07

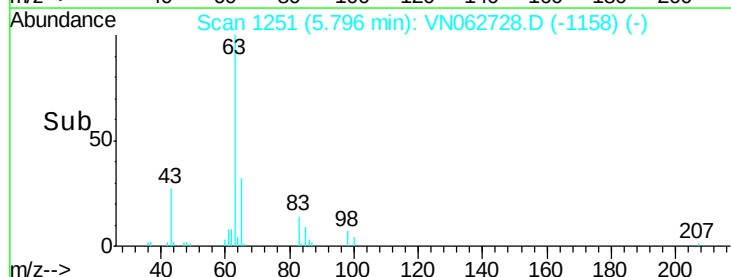
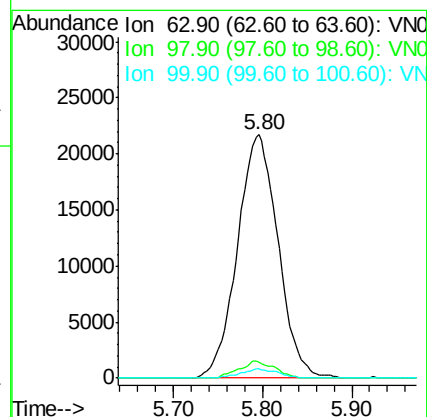
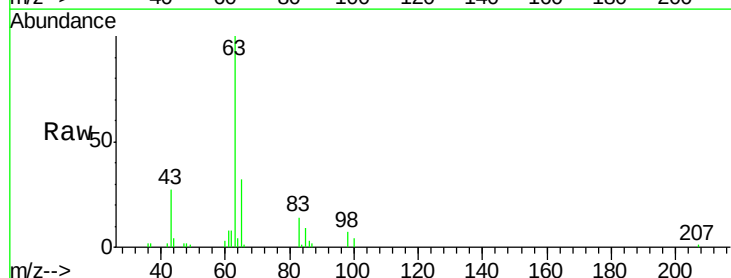
Tgt Ion: 63 Resp: 68470

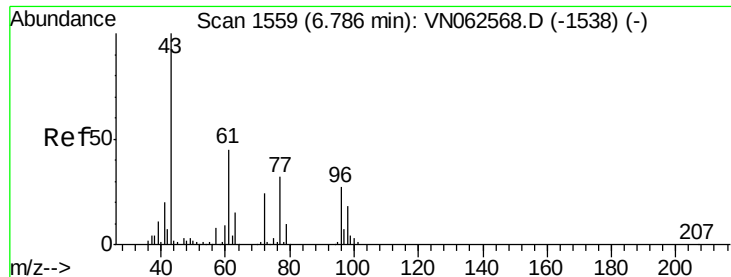
Ion Ratio Lower Upper

63 100

98 6.5 2.9 8.8

100 3.8 1.8 5.4





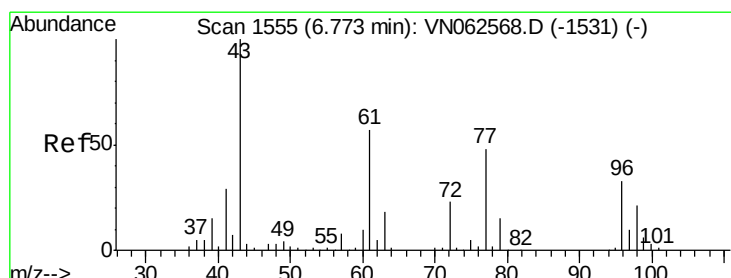
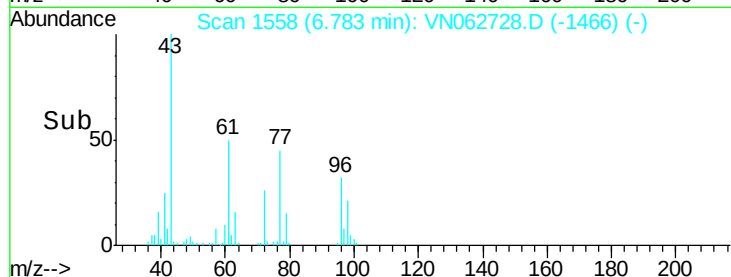
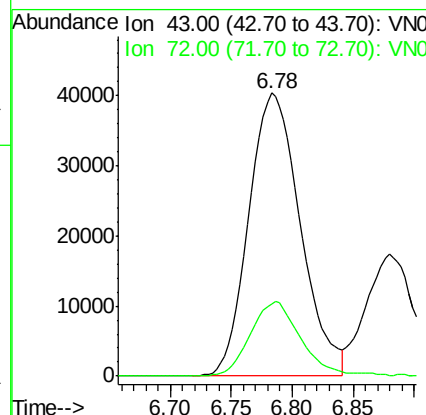
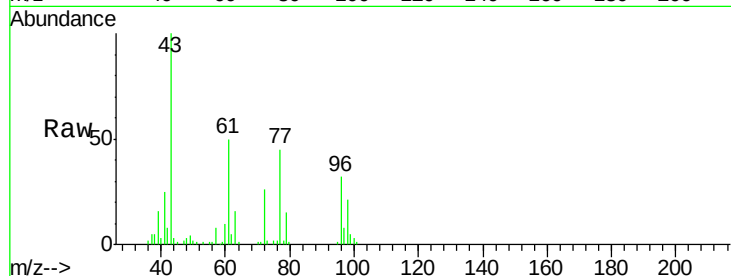
#25
2-Butanone
Concen: 91.495 ug/l
RT: 6.78 min Scan# 1558
Delta R.T. -0.00 min
Lab File: VN062728.D
Acq: 3 Aug 2020 12:07

Instrument :
MSVOA_N
ClientSampleId :
VN0803WBS01

Tot Ion: 43 Resp: 118479
Ion Ratio Lower Upper
43 100
72 25.6 19.0 28.6

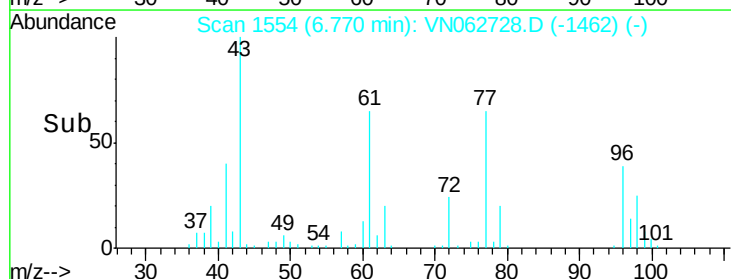
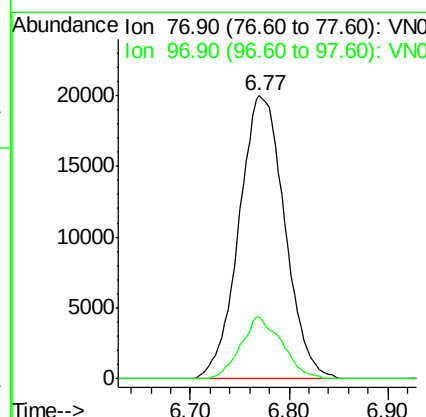
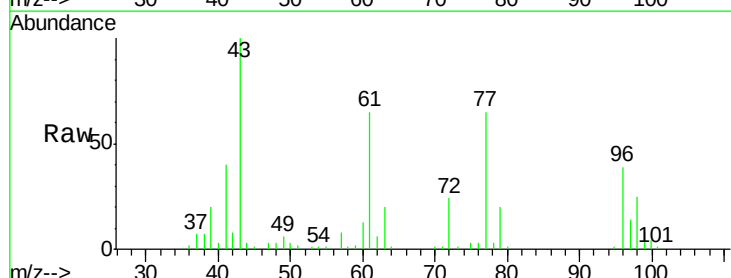
Manual Integrations
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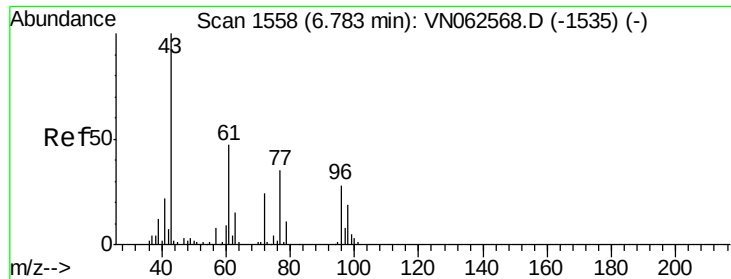
MMDadoda
8/4/2020 1:52:20 PM



#26
2,2-Dichloropropane
Concen: 21.649 ug/l
RT: 6.77 min Scan# 1554
Delta R.T. -0.00 min
Lab File: VN062728.D
Acq: 3 Aug 2020 12:07

Tgt Ion: 77 Resp: 64085
Ion Ratio Lower Upper
77 100
97 19.8 10.8 32.4





#27

cis-1,2-Dichloroethene

Concen: 19.146 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VN062728.D

Acq: 3 Aug 2020 12:07

Instrument :

MSVOA_N

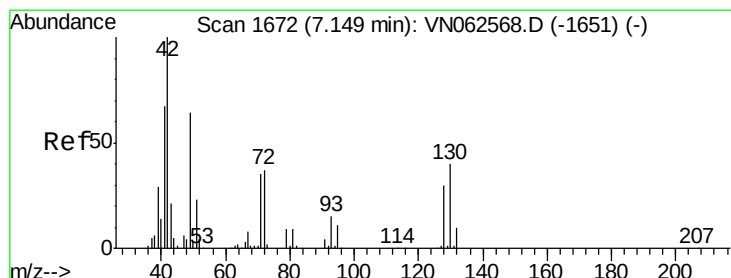
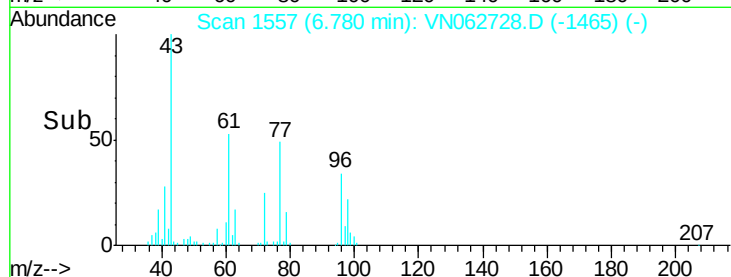
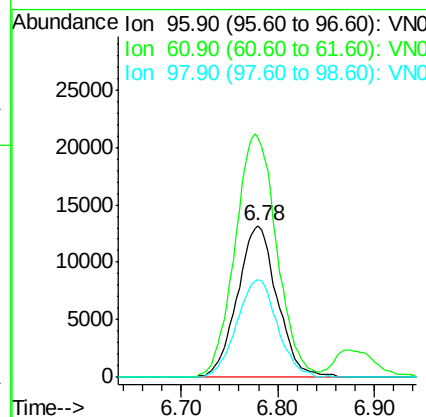
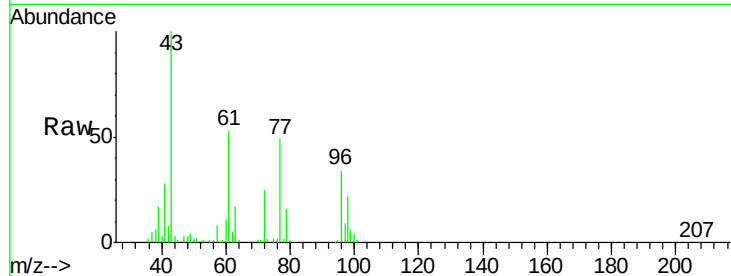
ClientSampleId :

VN0803WBS01

Tot Ion:	96	Resp:	37764
Ion	Ratio	Lower	Upper
96	100		
61	167.2	0.0	332.4
98	65.1	0.0	127.4

Manual Integrations
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8/4/2020 1:52:20 PM



#28

Bromochloromethane

Concen: 17.653 ug/l

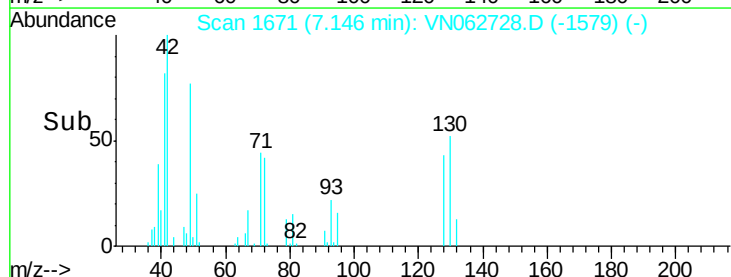
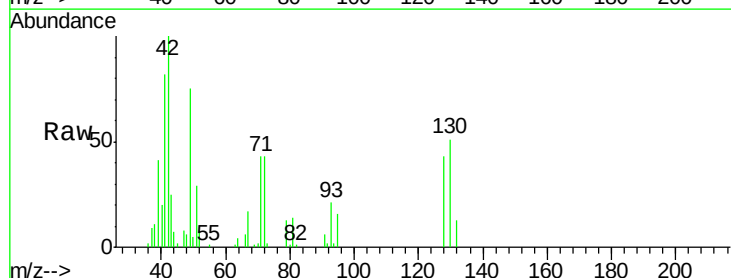
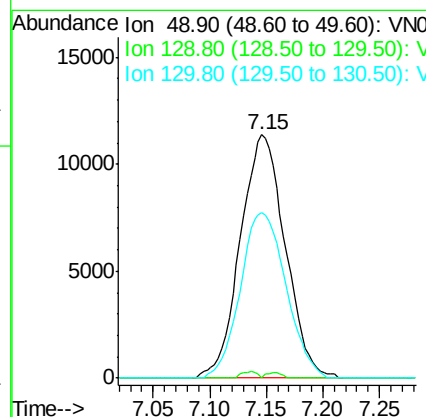
RT: 7.15 min Scan# 1671

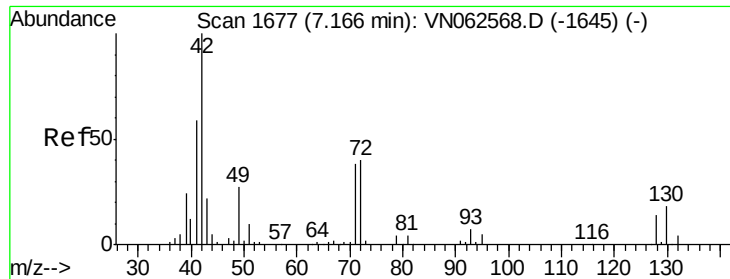
Delta R.T. -0.00 min

Lab File: VN062728.D

Acq: 3 Aug 2020 12:07

Tgt Ion:	49	Resp:	31327
Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	3.4
130	69.4	49.8	74.8





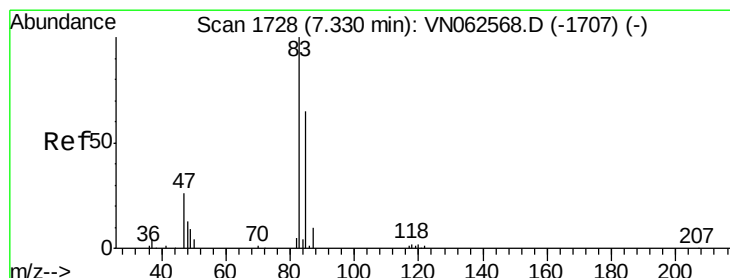
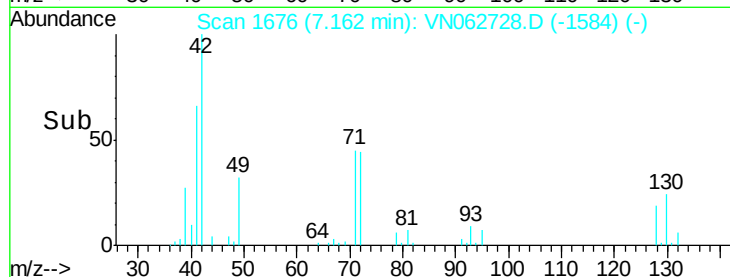
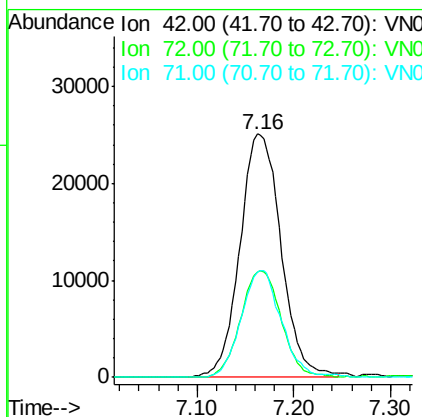
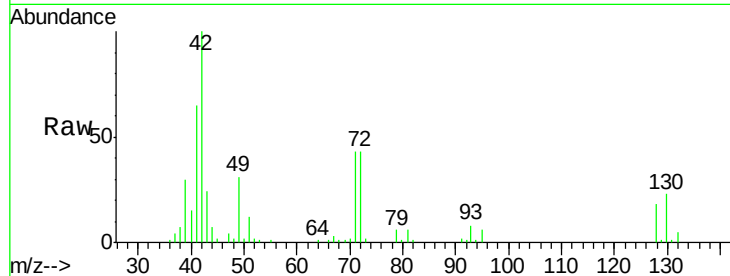
#29
Tetrahydrofuran
Concen: 84.643 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VN062728.D
Acq: 3 Aug 2020 12:07

Instrument :
MSVOA_N
ClientSampleId :
VN0803WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.1	30.7	46.1
71	42.5	29.1	43.7

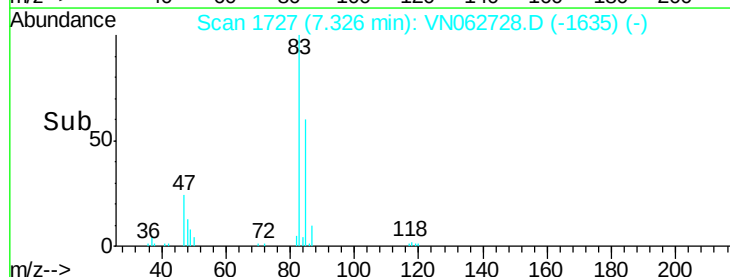
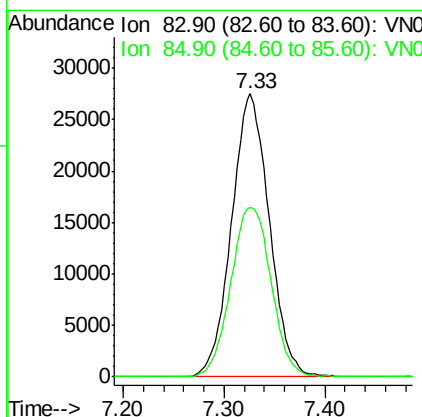
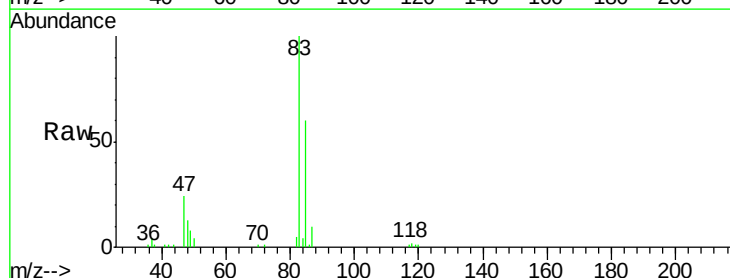
Manual Integrations
APPROVED

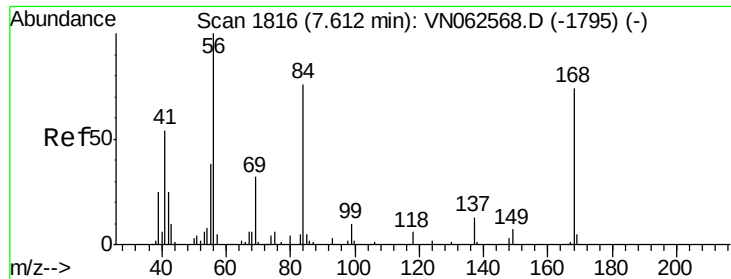
MMDadoda
8/4/2020 1:52:20 PM



#30
Chloroform
Concen: 20.807 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN062728.D
Acq: 3 Aug 2020 12:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.1	52.0	78.0





#31

Cyclohexane

Concen: 17.140 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VN062728.D

Acq: 3 Aug 2020 12:07

Instrument :

MSVOA_N

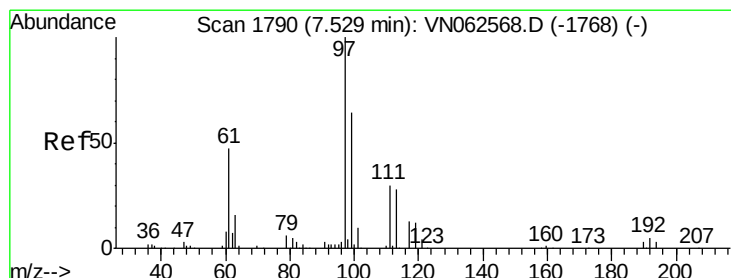
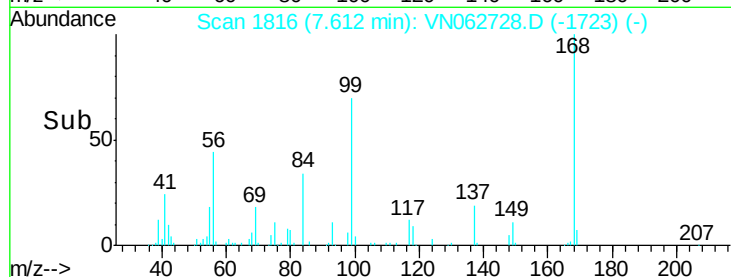
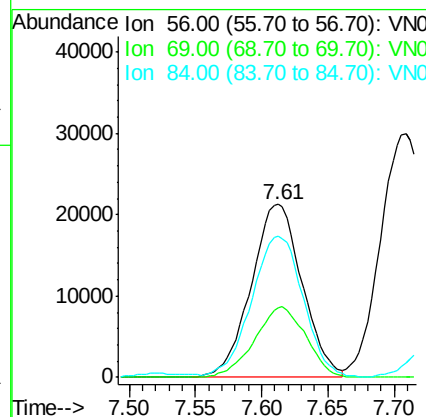
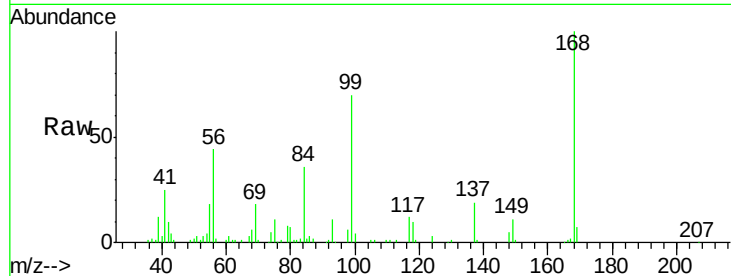
ClientSampleId :

VN0803WBS01

Tot Ion:	56	Resp:	57064
Ion Ratio	Lower	Upper	
56	100		
69	40.5	25.3	37.9#
84	79.8	61.0	91.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 22.757 ug/l

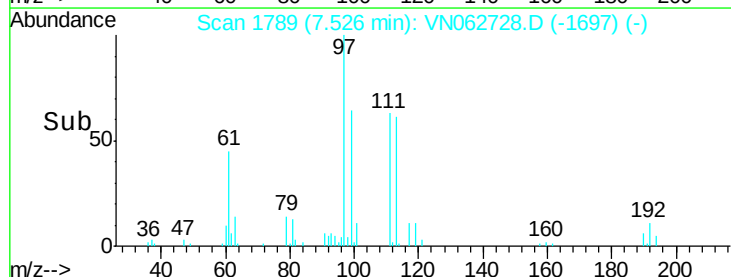
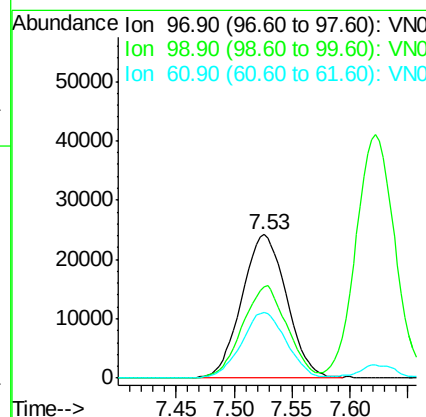
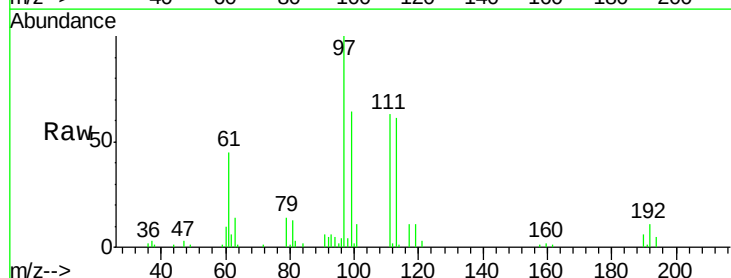
RT: 7.53 min Scan# 1789

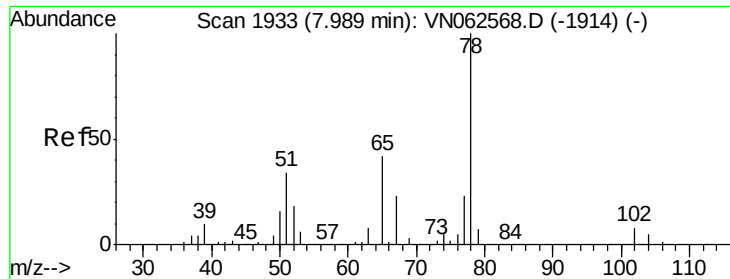
Delta R.T. -0.00 min

Lab File: VN062728.D

Acq: 3 Aug 2020 12:07

Tgt Ion:	97	Resp:	65142
Ion Ratio	Lower	Upper	
97	100		
99	64.1	51.2	76.8
61	45.5	38.4	57.6





#33

1,2-Dichloroethane-d4

Concen: 55.840 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN062728.D

Acq: 3 Aug 2020 12:07

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBS01

Tot Ion: 65 Resp: 126171

Ion Ratio Lower Upper

65 100

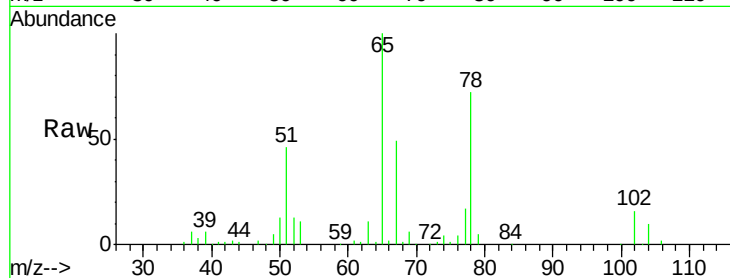
67 49.5 0.0 106.0

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VN062728.D (-1840) (-)

Ion 66.90 (66.60 to 67.60): VN062728.D (-1840) (-)

7.99

60000

50000

40000

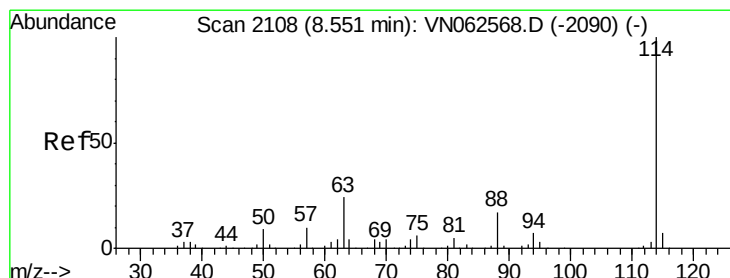
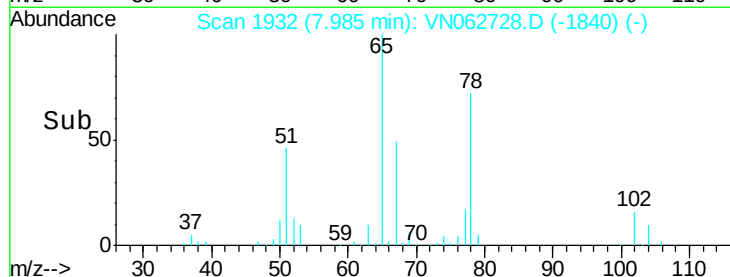
30000

20000

10000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2107

Delta R.T. -0.00 min

Lab File: VN062728.D

Acq: 3 Aug 2020 12:07

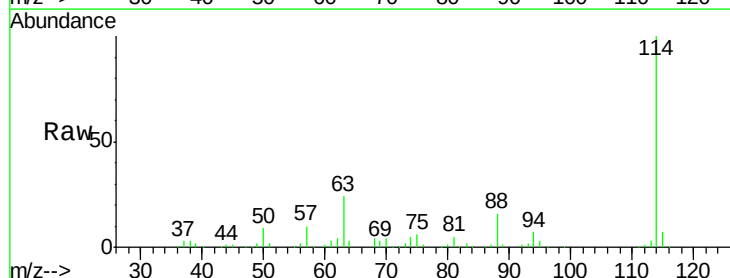
Tgt Ion: 114 Resp: 237883

Ion Ratio Lower Upper

114 100

63 24.3 0.0 48.4

88 16.4 0.0 33.8



Abundance Ion 113.90 (113.60 to 114.60): VN062728.D (-2015) (-)

Ion 63.00 (62.70 to 63.70): VN062728.D (-2015) (-)

Ion 87.90 (87.60 to 88.60): VN062728.D (-2015) (-)

8.55

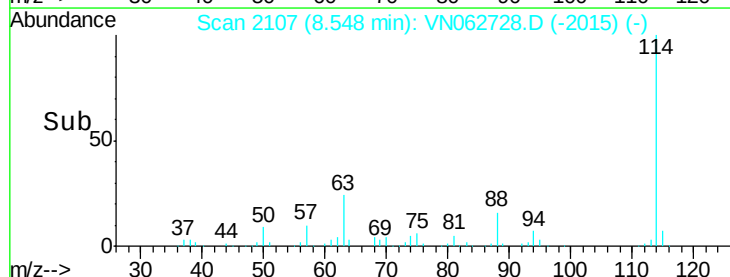
150000

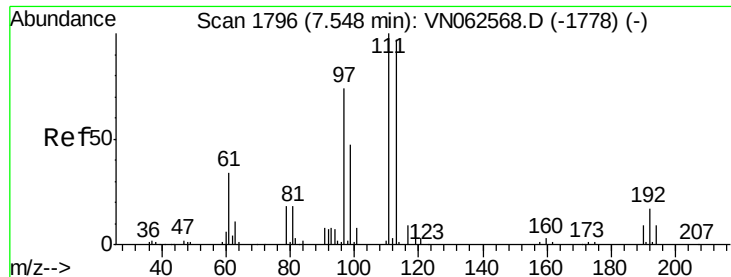
100000

50000

0

Time-->





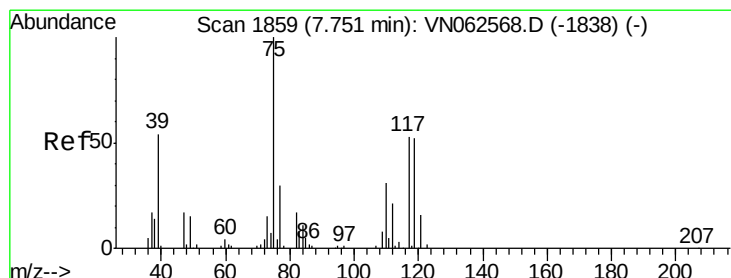
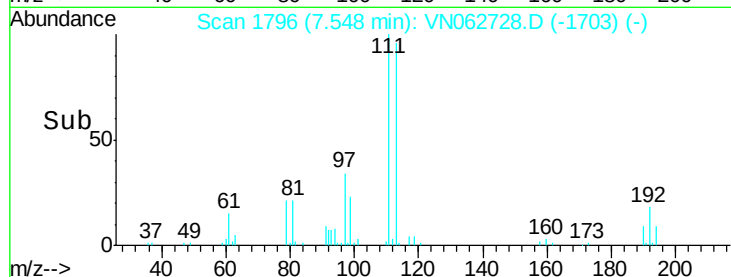
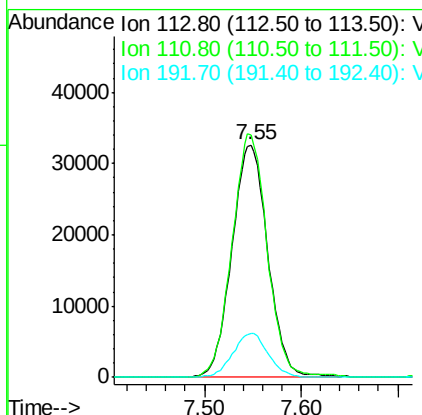
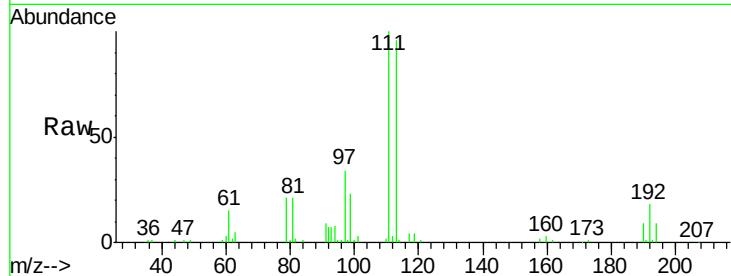
#35
 Dibromofluoromethane
 Concen: 53.833 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062728.D
 Acq: 3 Aug 2020 12:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.7	124.1
192	18.6	14.8	22.2

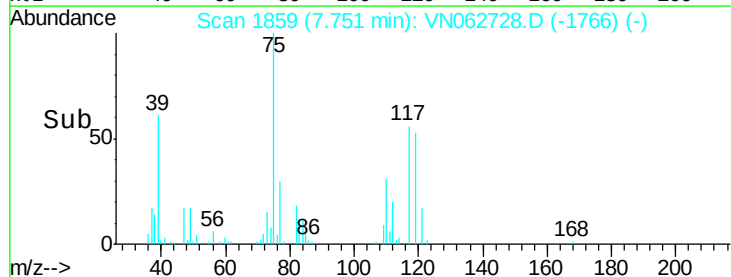
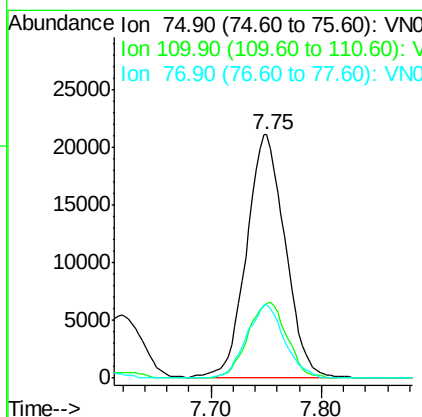
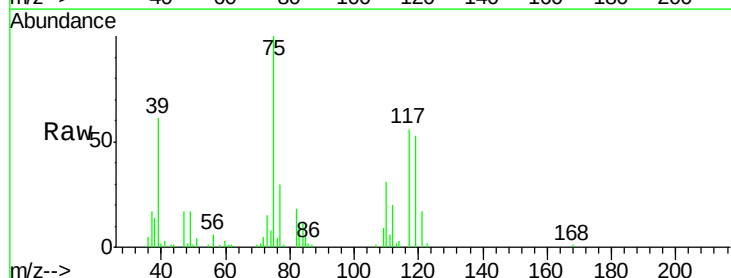
Manual Integrations
 APPROVED

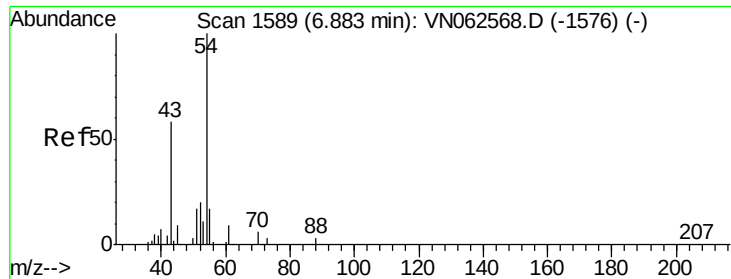
MMDadoda
 8/4/2020 1:52:20 PM



#36
 1,1-Dichloropropene
 Concen: 20.168 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN062728.D
 Acq: 3 Aug 2020 12:07

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.4	16.0	48.0
77	29.7	24.6	36.8





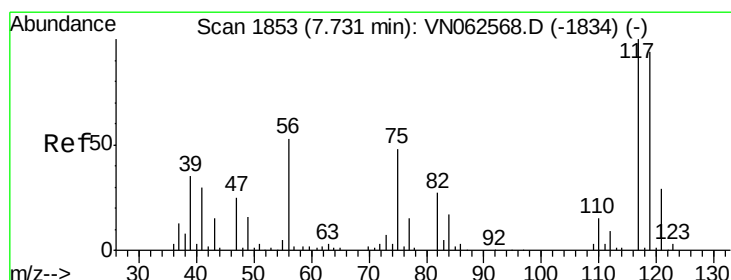
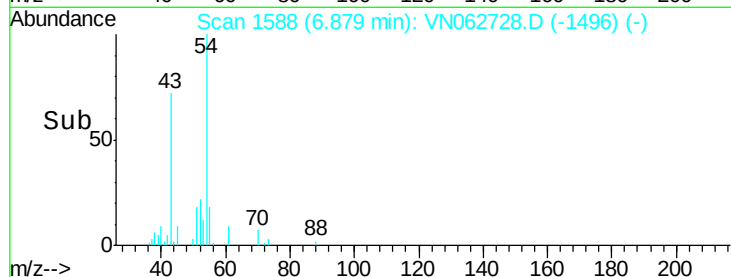
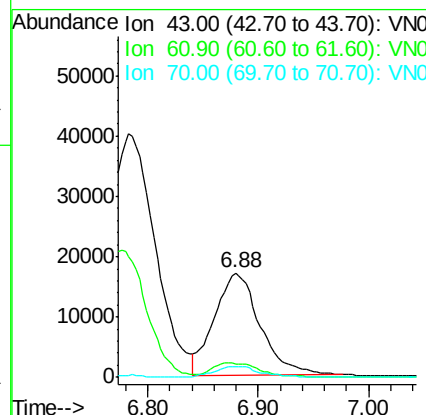
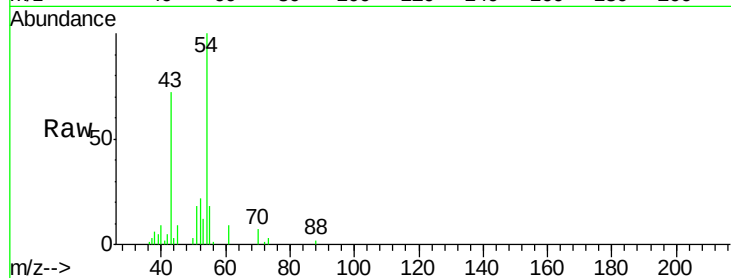
#37
Ethyl Acetate
Concen: 17.929 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN062728.D
Acq: 3 Aug 2020 12:07

Instrument :
MSVOA_N
ClientSampled :
VN0803WBS01

Tot Ion	43	Resp	49003
Ion Ratio	100	Lower	Upper
43	100		
61	12.5	11.3	16.9
70	10.7	7.7	11.5

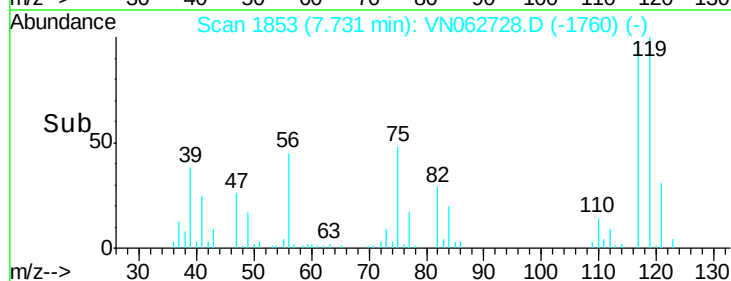
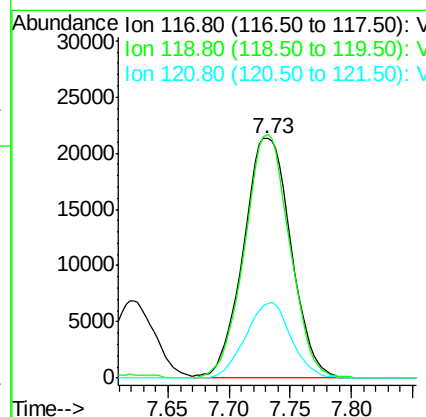
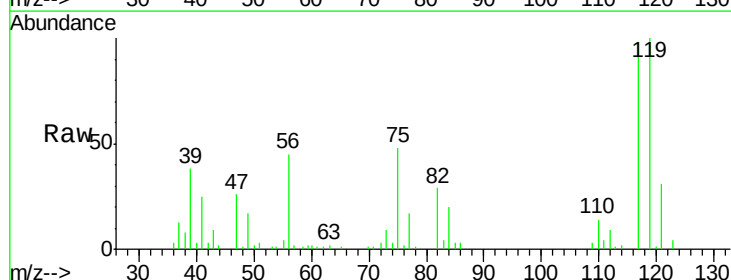
Manual Integrations
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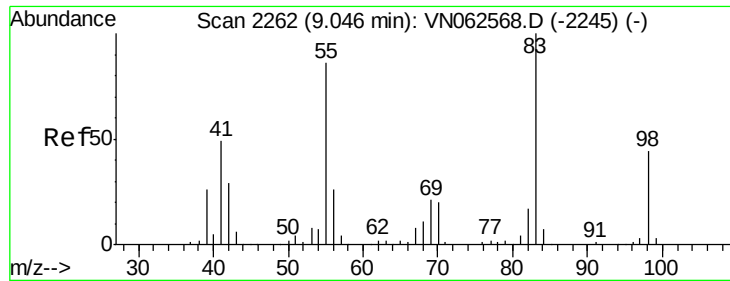
MMDadoda
8/4/2020 1:52:20 PM



#38
Carbon Tetrachloride
Concen: 23.599 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN062728.D
Acq: 3 Aug 2020 12:07

Tgt Ion	117	Resp	57517
Ion Ratio	100	Lower	Upper
117	100		
119	101.7	74.8	112.2
121	31.4	23.0	34.6





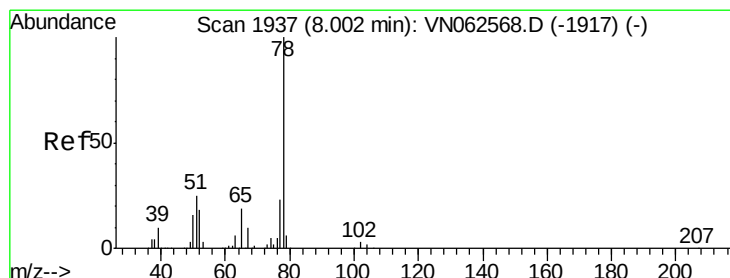
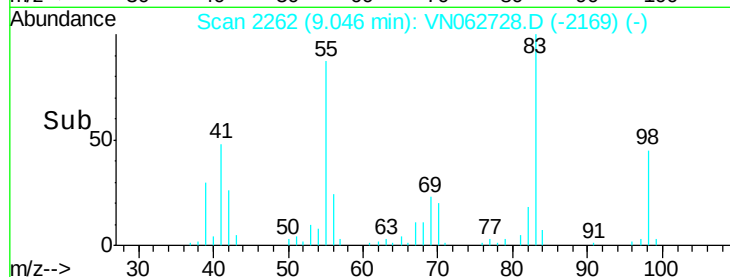
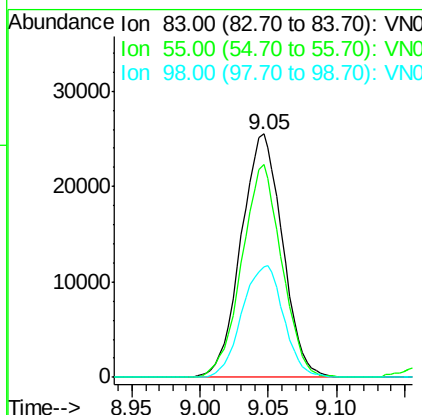
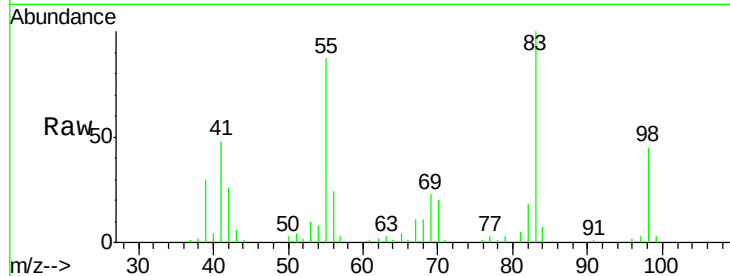
#39
Methylvlcyclohexane
Concen: 19.667 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN062728.D
Acq: 3 Aug 2020 12:07

Instrument :
MSVOA_N
ClientSampleId :
VN0803WBS01

Tot Ion	83	Resp	53680
Ion	Ratio	Lower	Upper
83	100		
55	87.4	68.9	103.3
98	45.2	35.1	52.7

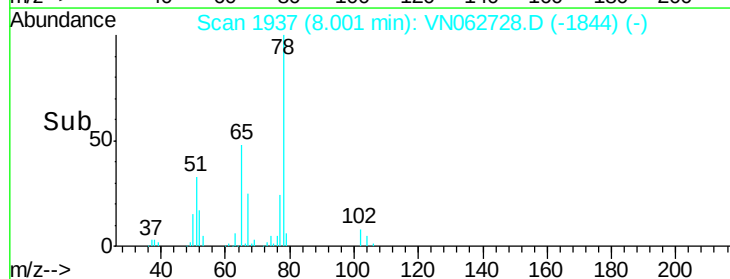
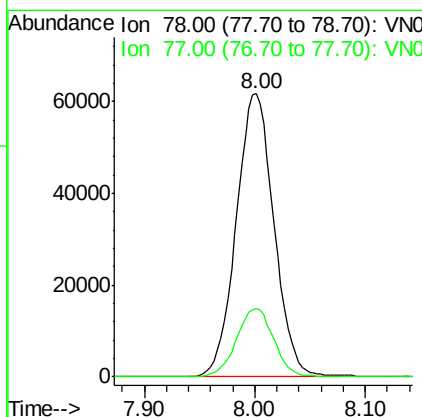
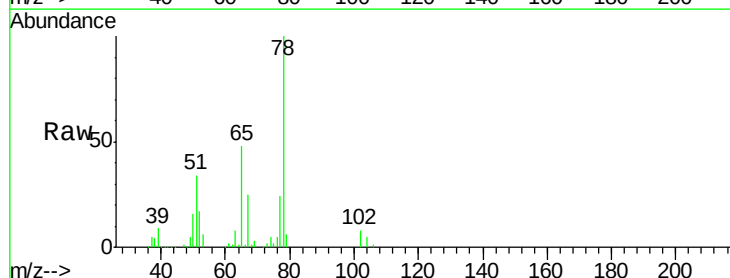
Manual Integrations
APPROVED

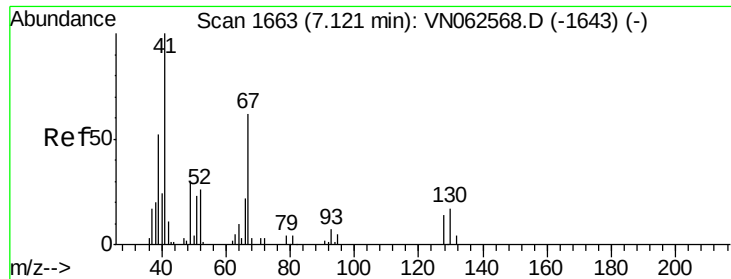
MMDadoda
8/4/2020 1:52:20 PM



#40
Benzene
Concen: 19.061 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062728.D
Acq: 3 Aug 2020 12:07

Tgt Ion	78	Resp	146317
Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.7	28.1





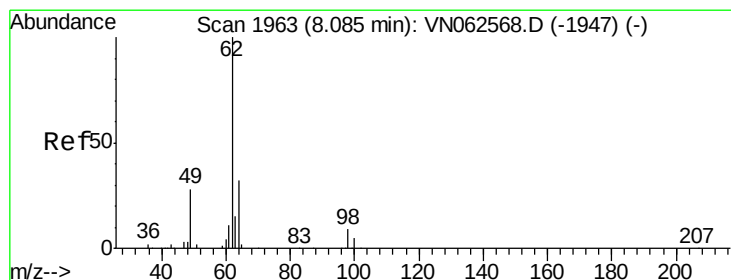
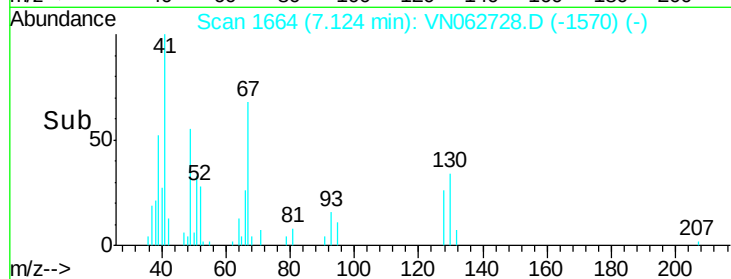
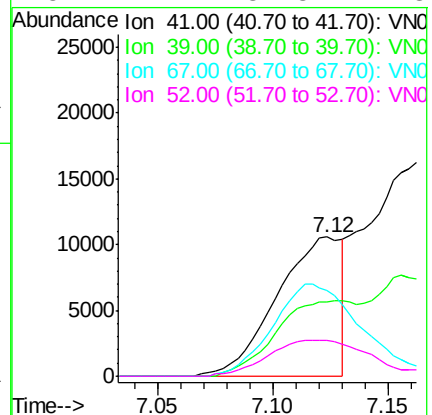
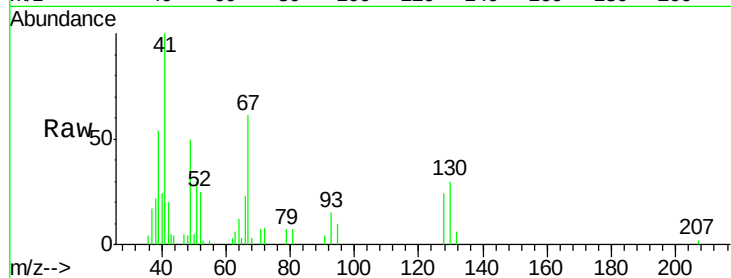
#41
Methacrylonitrile
Concen: 17.669 ug/l m
RT: 7.12 min Scan# 1664
Delta R.T. 0.00 min
Lab File: VN062728.D
Acq: 3 Aug 2020 12:07

Instrument :
MSVOA_N
ClientSampleId :
VN0803WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	65.5	55.8	83.6	
67	90.6	72.5	108.7	
52	41.2	31.8	47.8	

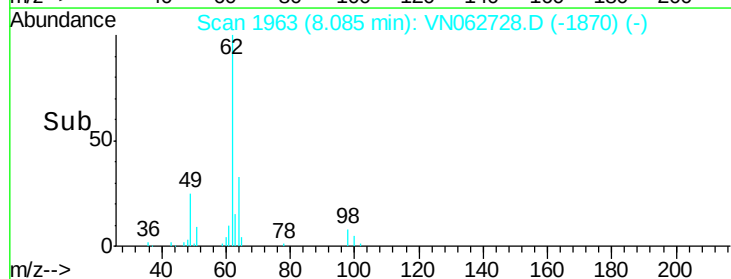
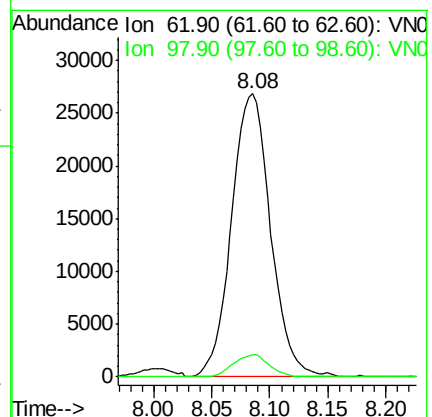
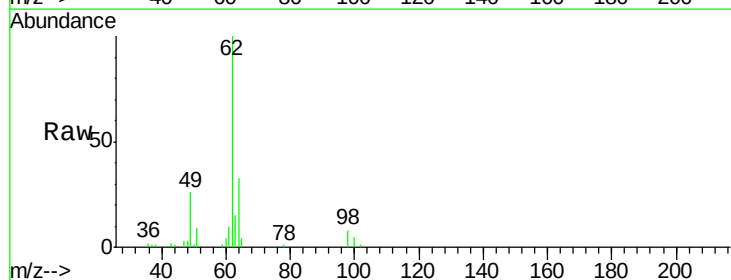
Manual Integrations
APPROVED

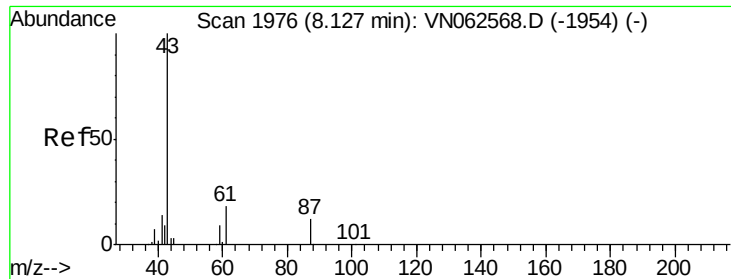
MMDadoda
8/4/2020 1:52:20 PM



#42
1,2-Dichloroethane
Concen: 22.380 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN062728.D
Acq: 3 Aug 2020 12:07

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.2	0.0	16.2	





#43

Isopropyl Acetate

Concen: 18.643 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN062728.D

Acq: 3 Aug 2020 12:07

Instrument :

MSVOA_N

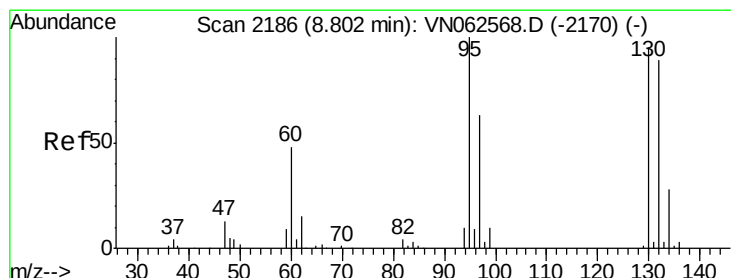
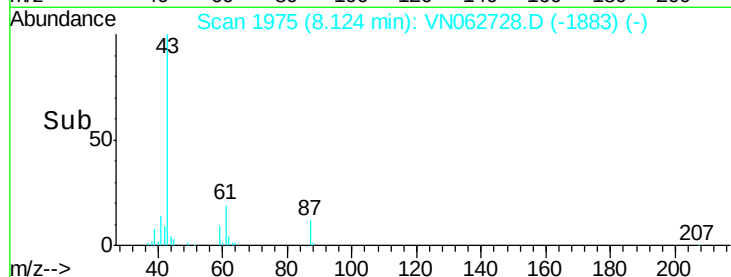
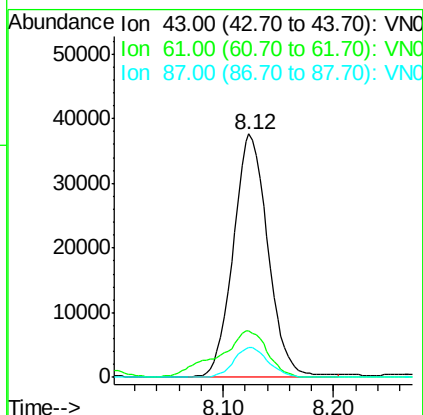
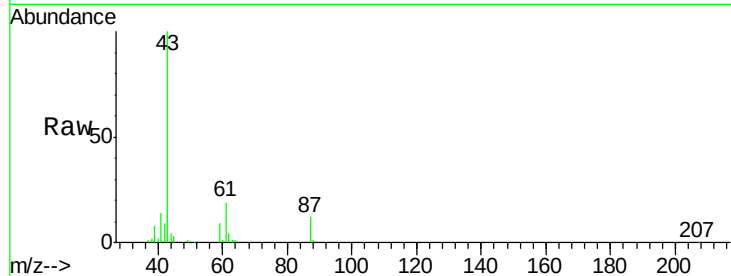
ClientSampleId :

VN0803WBS01

Tot Ion:	43	Resp:	82145
Ion	Ratio	Lower	Upper
43	100		
61	26.7	20.8	31.2
87	12.1	9.2	13.8

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#44

Trichloroethene

Concen: 20.355 ug/l

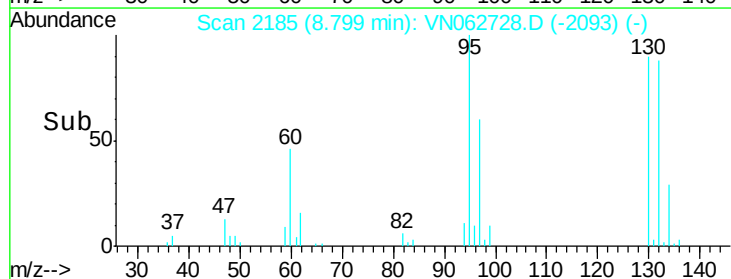
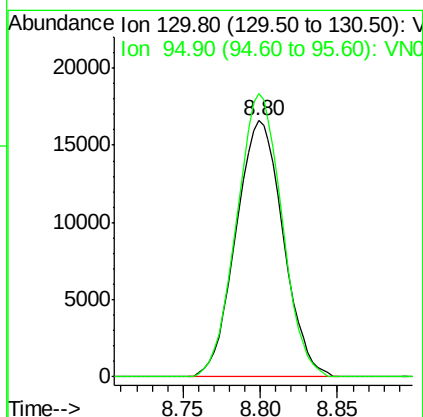
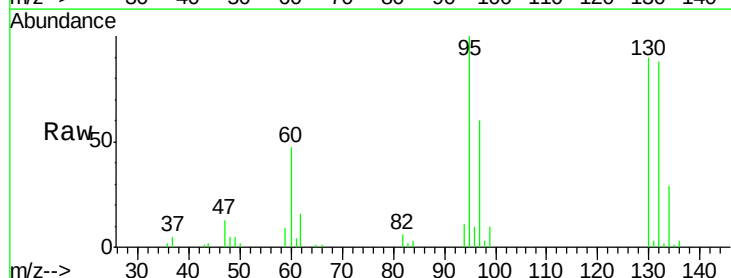
RT: 8.80 min Scan# 2185

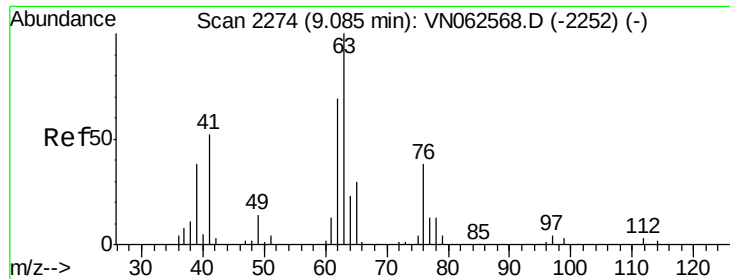
Delta R.T. -0.00 min

Lab File: VN062728.D

Acq: 3 Aug 2020 12:07

Tgt Ion:	130	Resp:	35236
Ion	Ratio	Lower	Upper
130	100		
95	110.6	0.0	210.4





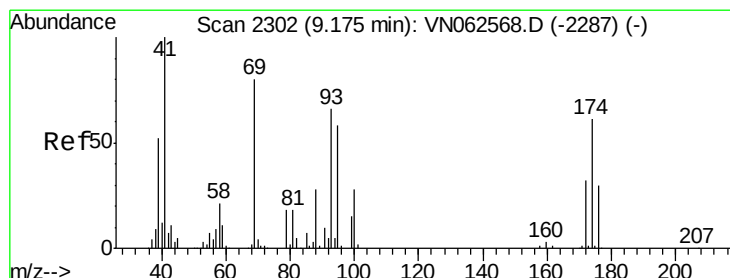
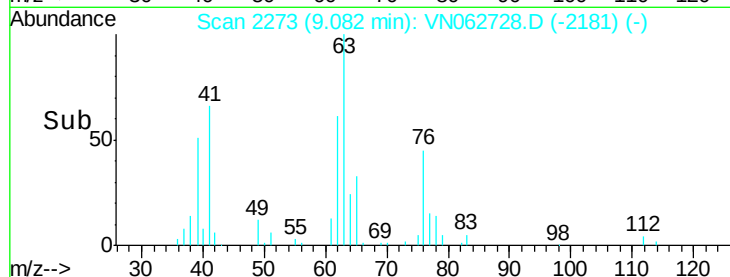
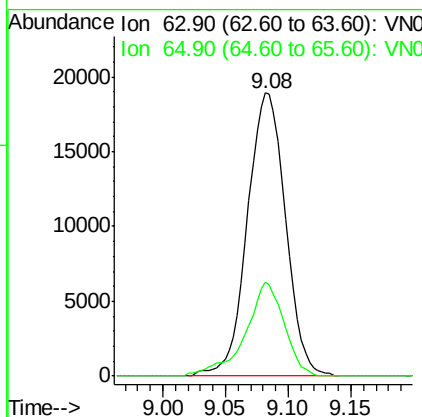
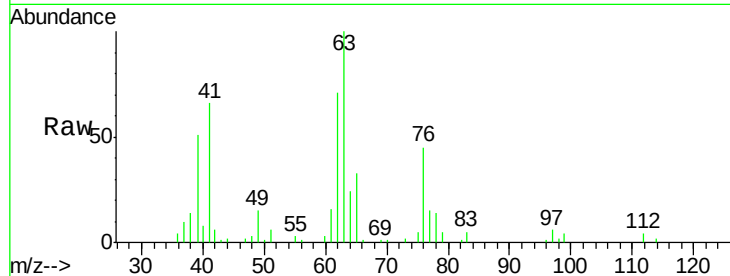
#45
 1,2-Dichloropropane
 Concen: 18.532 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN062728.D
 Acq: 3 Aug 2020 12:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBS01

Tot Ion: 63 Resp: 39942
 Ion Ratio Lower Upper
 63 100
 65 33.2 24.4 36.6

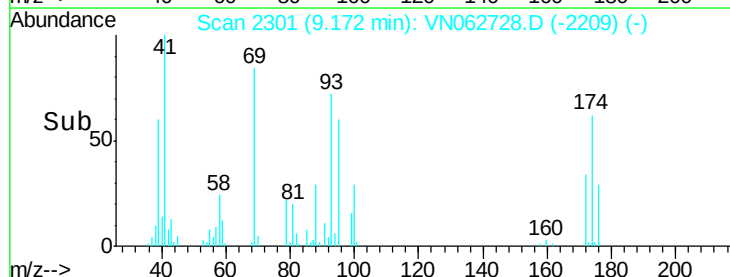
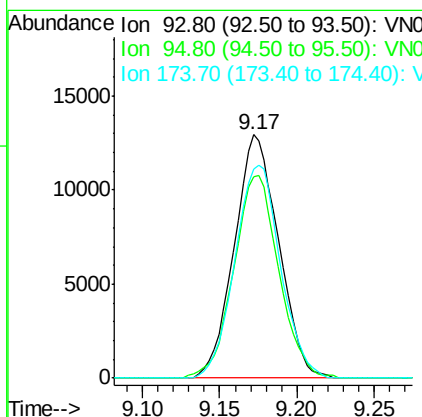
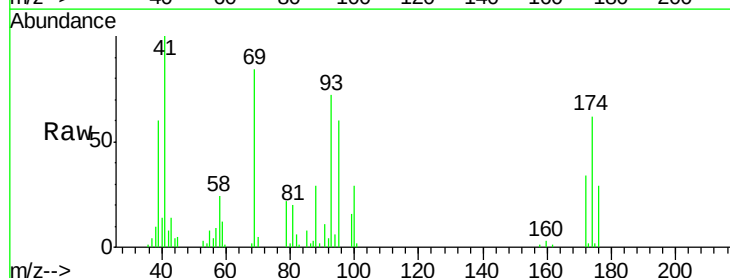
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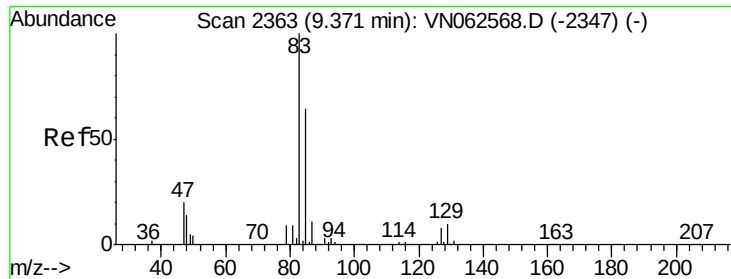
MMDadoda
 8/4/2020 1:52:20 PM



#46
 Dibromomethane
 Concen: 20.719 ug/l
 RT: 9.17 min Scan# 2301
 Delta R.T. -0.00 min
 Lab File: VN062728.D
 Acq: 3 Aug 2020 12:07

Tgt Ion: 93 Resp: 25810
 Ion Ratio Lower Upper
 93 100
 95 84.7 67.6 101.4
 174 89.8 72.5 108.7





#47

Bromodichloromethane

Concen: 21.319 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN062728.D

Acq: 3 Aug 2020 12:07

Instrument :

MSVOA_N

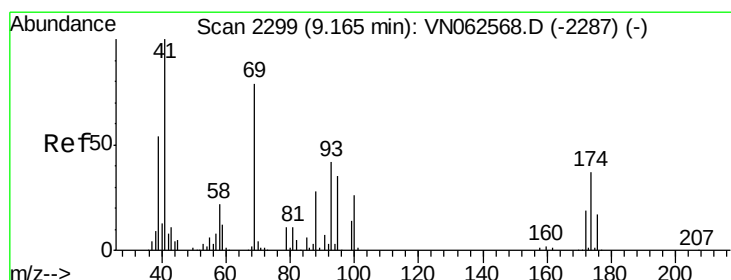
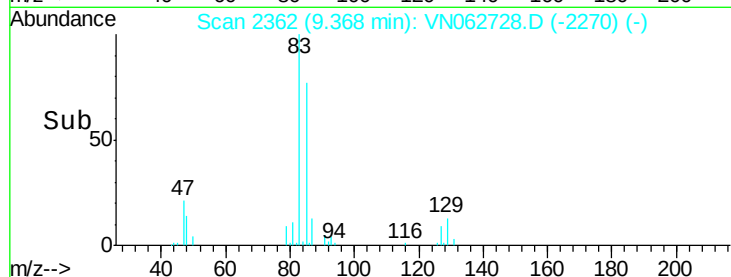
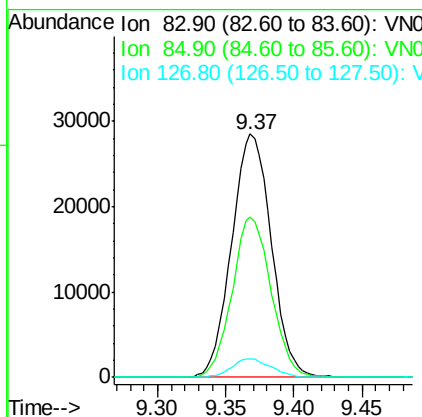
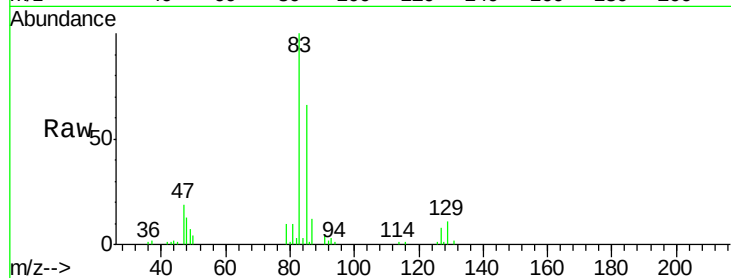
ClientSampleId :

VN0803WBS01

Tot Ion:	83	Resp:	57534
Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.6	77.4
127	7.7	6.2	9.2

Manual Integrations
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8/4/2020 1:52:20 PM



#48

Methyl methacrylate

Concen: 19.034 ug/l

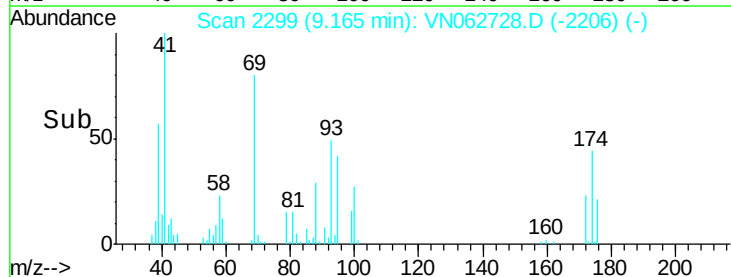
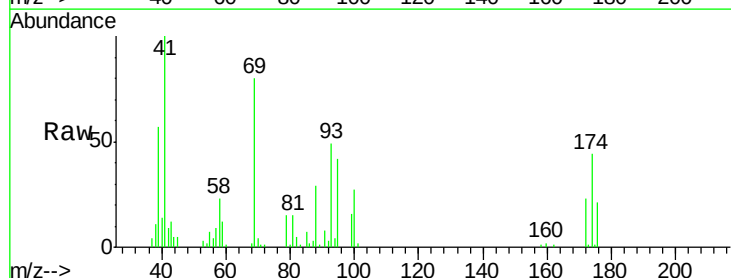
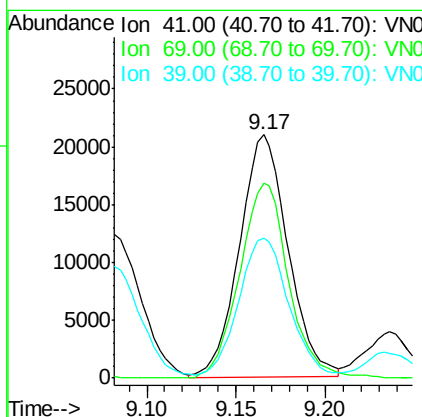
RT: 9.17 min Scan# 2299

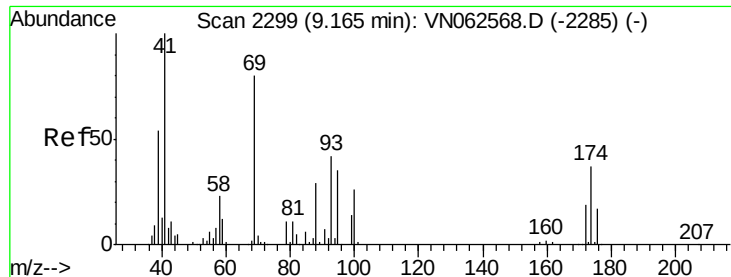
Delta R.T. -0.00 min

Lab File: VN062728.D

Acq: 3 Aug 2020 12:07

Tgt Ion:	41	Resp:	39868
Ion	Ratio	Lower	Upper
41	100		
69	80.9	64.4	96.6
39	60.0	43.5	65.3





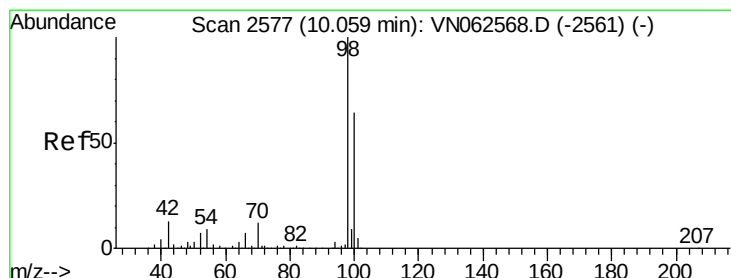
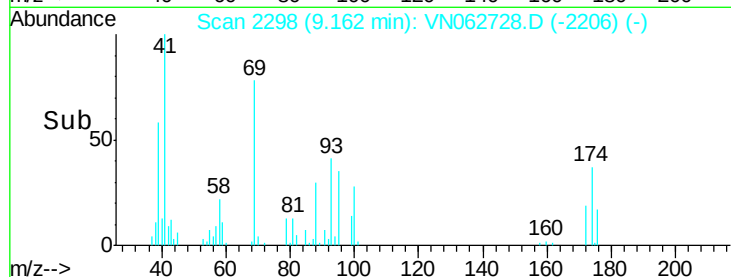
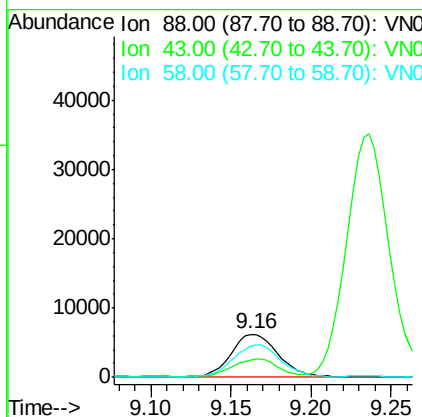
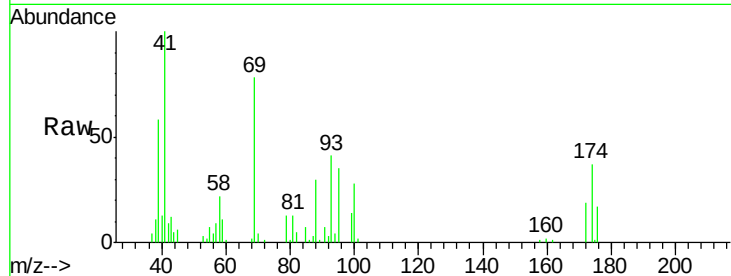
#49
1,4-Dioxane
Concen: 389.436 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.00 min
Lab File: VN062728.D
Acq: 3 Aug 2020 12:07

Instrument :
MSVOA_N
ClientSampleId :
VN0803WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	43.2	32.0	48.0
58	76.5	62.8	94.2

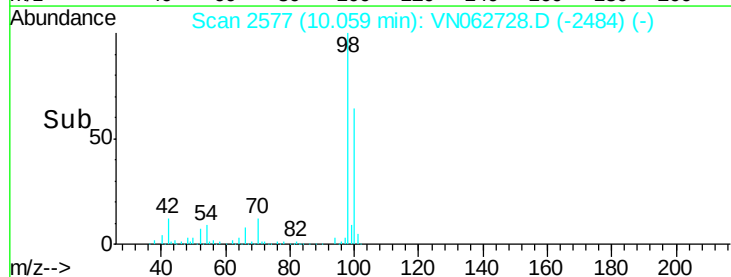
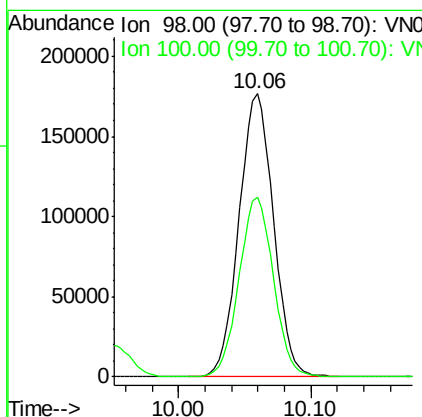
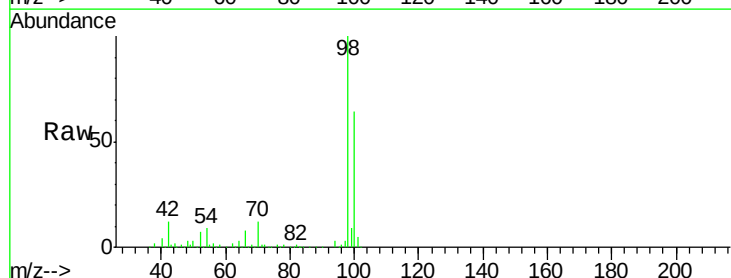
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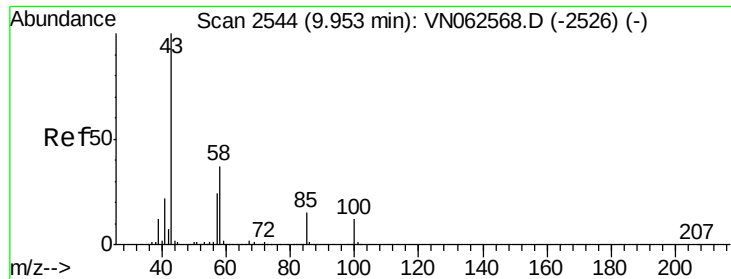
MMDadoda
8/4/2020 1:52:20 PM



#50
Toluene-d8
Concen: 51.366 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062728.D
Acq: 3 Aug 2020 12:07

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.4	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 93.848 ug/l

RT: 9.95 min Scan# 2543

Delta R.T. -0.00 min

Lab File: VN062728.D

Acq: 3 Aug 2020 12:07

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBS01

Tot Ion: 43 Resp: 247418

Ion Ratio Lower Upper

43 100

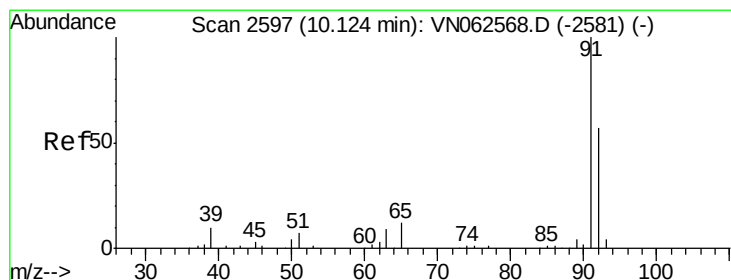
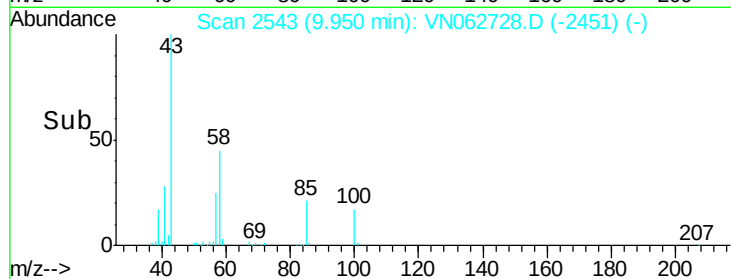
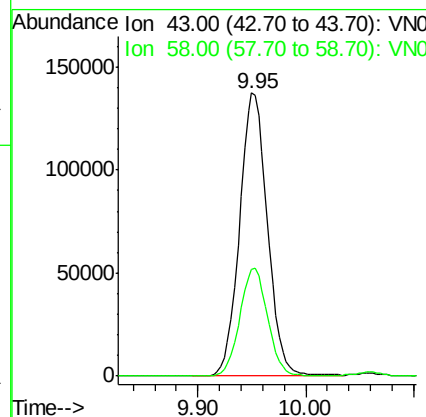
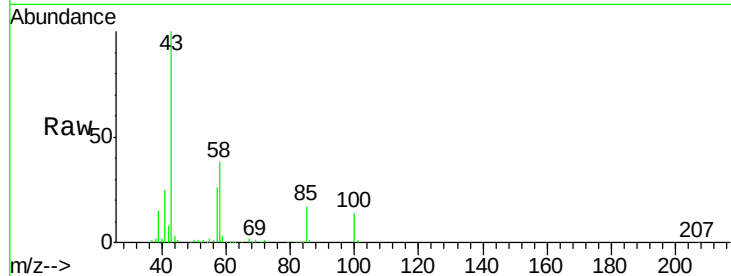
58 38.2 29.8 44.6

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#52

Toluene

Concen: 20.354 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062728.D

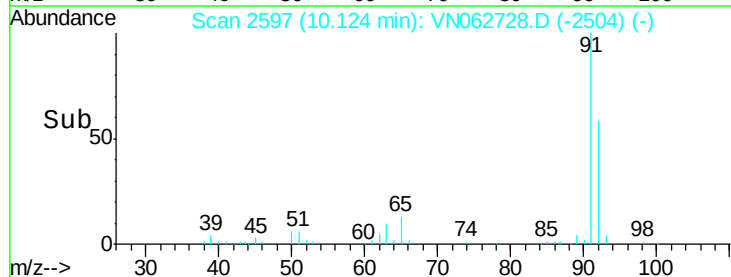
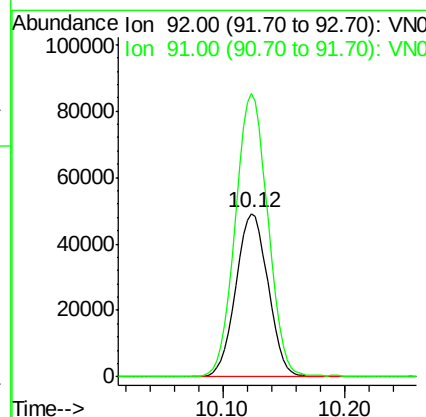
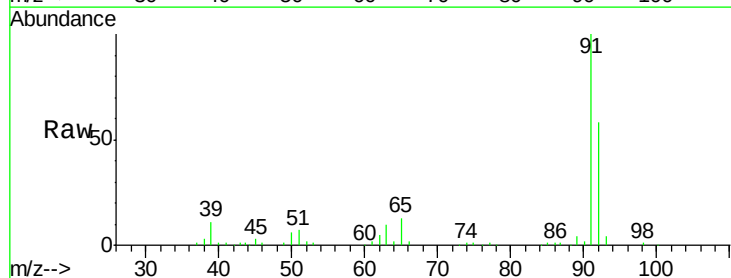
Acq: 3 Aug 2020 12:07

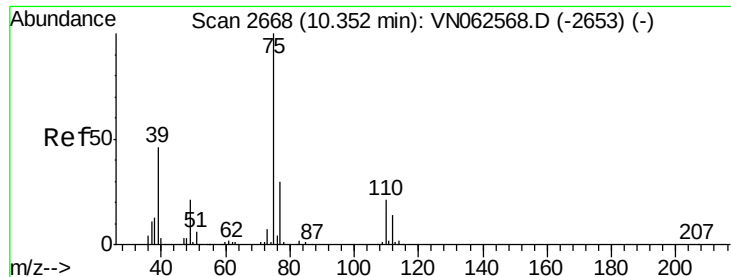
Tgt Ion: 92 Resp: 90727

Ion Ratio Lower Upper

92 100

91 174.0 139.4 209.2





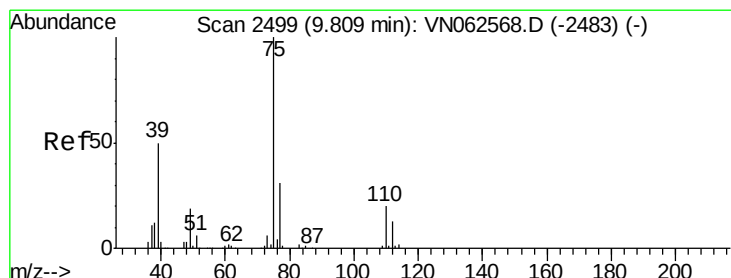
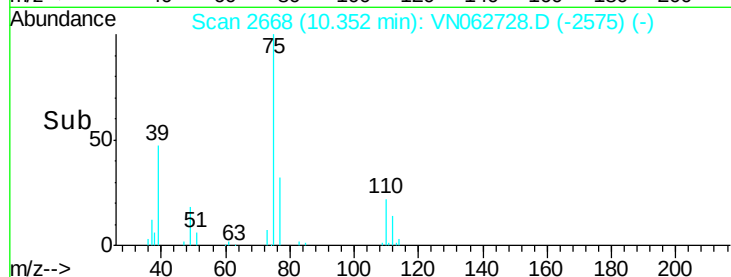
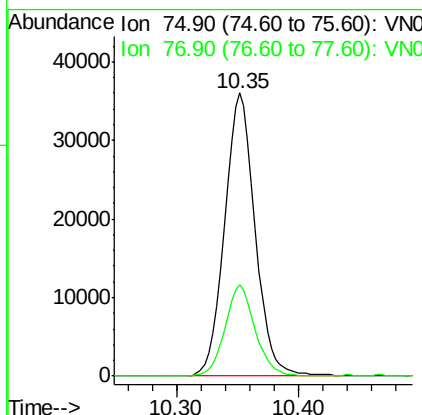
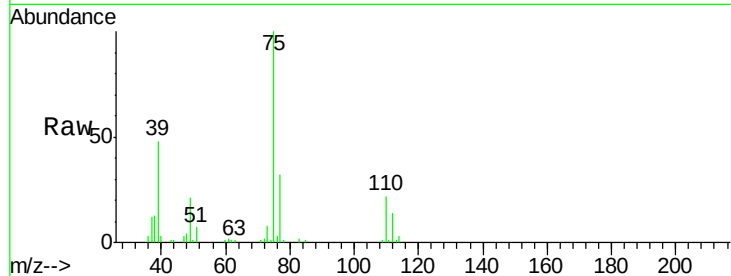
#53
t-1,3-Dichloropropene
Concen: 20.922 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN062728.D
Acq: 3 Aug 2020 12:07

Instrument :
MSVOA_N
ClientSampleId :
VN0803WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.2	24.3	36.5

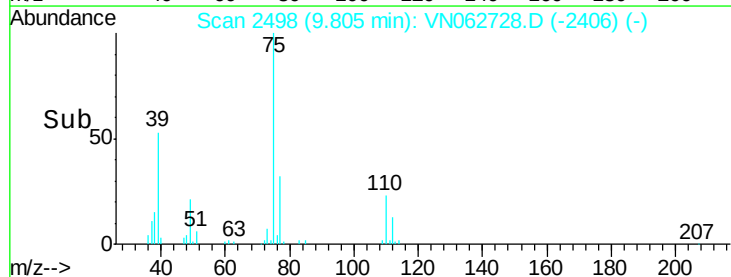
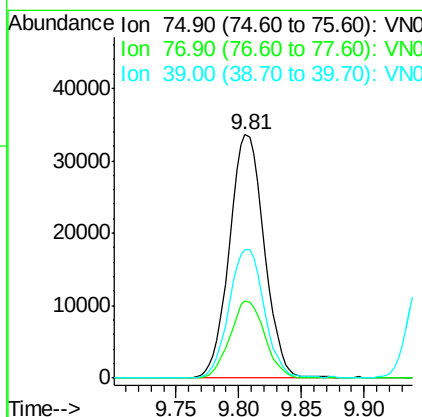
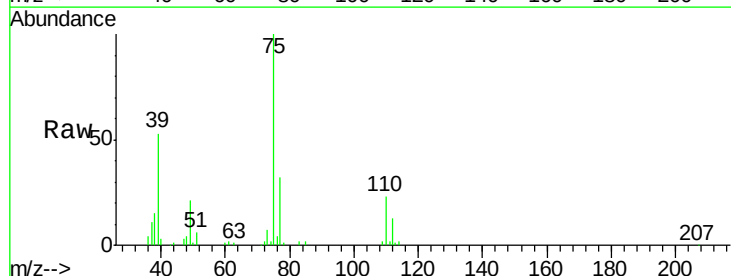
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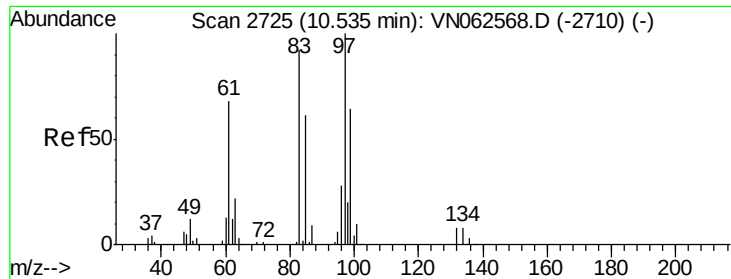
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 20.136 ug/l
RT: 9.81 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VN062728.D
Acq: 3 Aug 2020 12:07

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.0	37.6
39	52.6	39.8	59.8





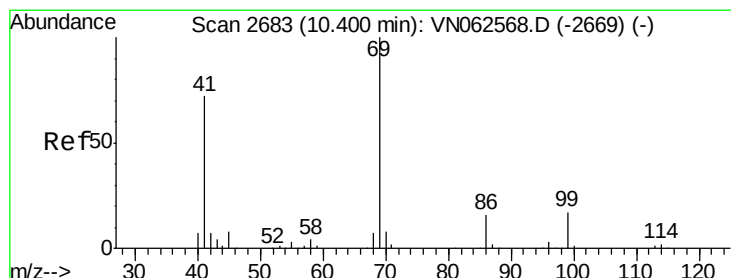
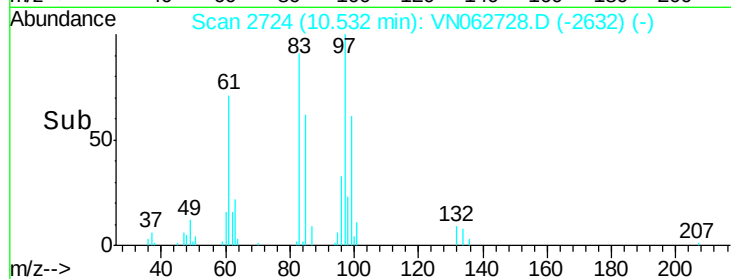
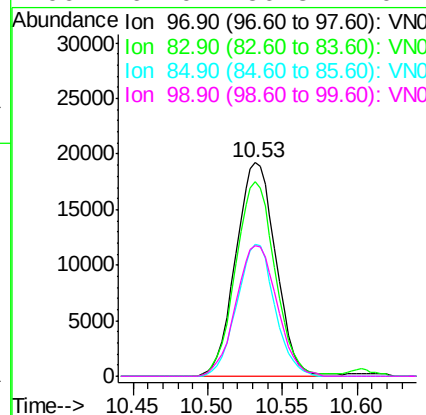
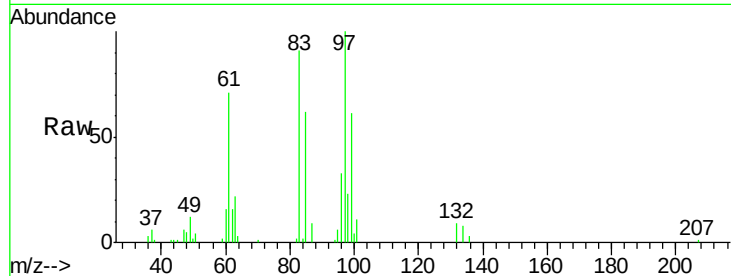
#55
 1,1,2-Trichloroethane
 Concen: 20.709 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN062728.D
 Acq: 3 Aug 2020 12:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBS01

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	90.8	73.7	110.5	
85	61.8	48.5	72.7	
99	61.0	50.8	76.2	

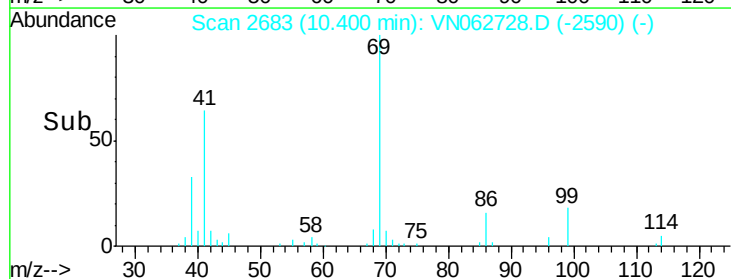
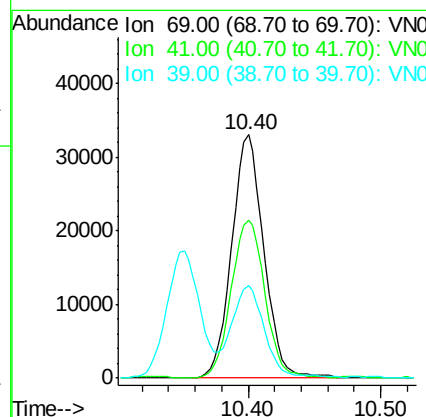
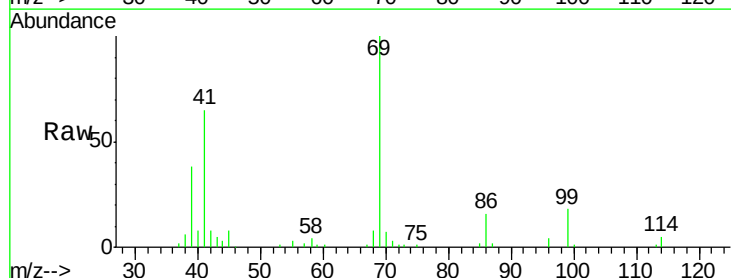
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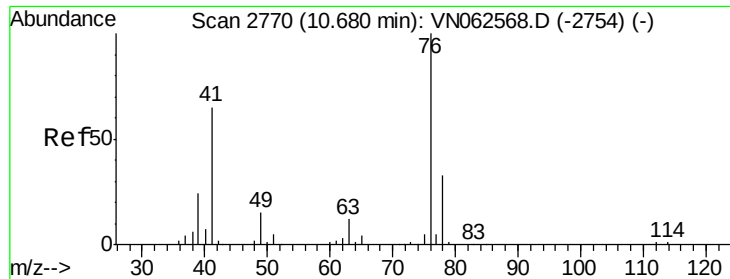
MMDadoda
 8/4/2020 1:52:20 PM



#56
 Ethyl methacrylate
 Concen: 19.025 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN062728.D
 Acq: 3 Aug 2020 12:07

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	68.1	57.2	85.8	
39	36.4	28.6	43.0	





#57

1,3-Dichloropropane

Concen: 20.063 ug/l

RT: 10.68 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VN062728.D

Acq: 3 Aug 2020 12:07

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBS01

Tot Ion: 76 Resp: 63549

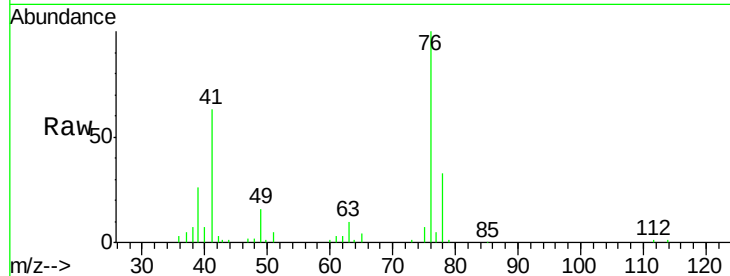
Ion Ratio Lower Upper

76 100

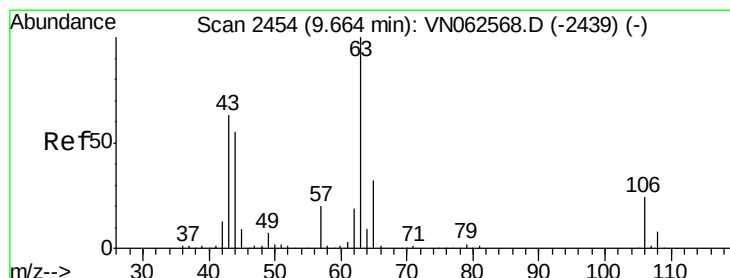
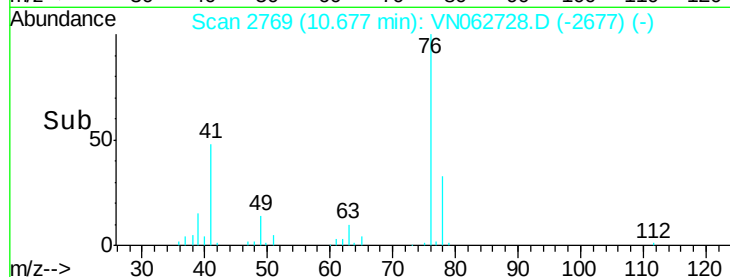
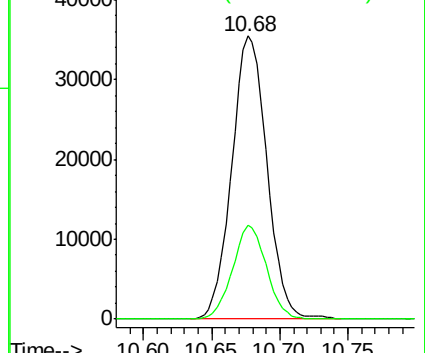
78 31.6 26.3 39.5

Manual Integrations
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Abundance Ion 75.90 (75.60 to 76.60): VN062728.D (-2677) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 94.039 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VN062728.D

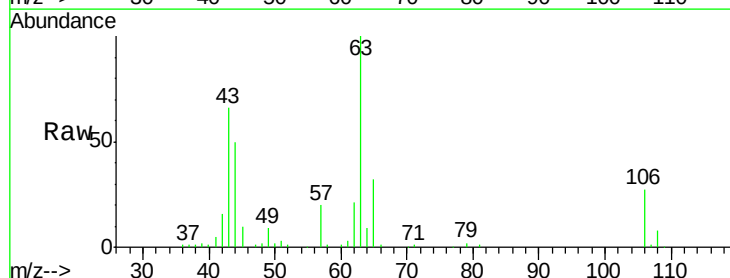
Acq: 3 Aug 2020 12:07

Tgt Ion: 63 Resp: 77549

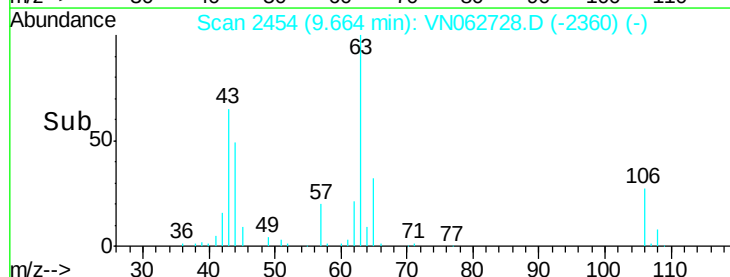
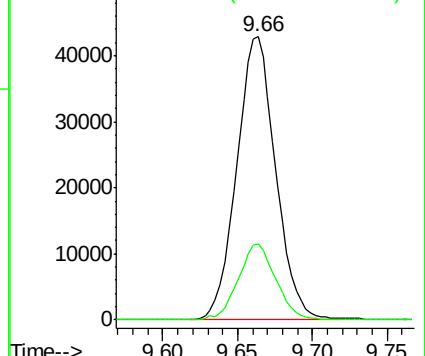
Ion Ratio Lower Upper

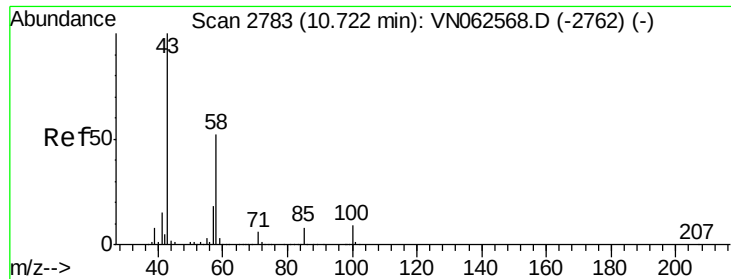
63 100

106 25.8 18.9 28.3



Abundance Ion 62.90 (62.60 to 63.60): VN062728.D (-2360) (-)





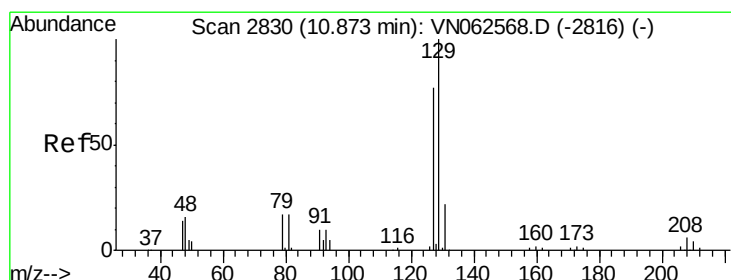
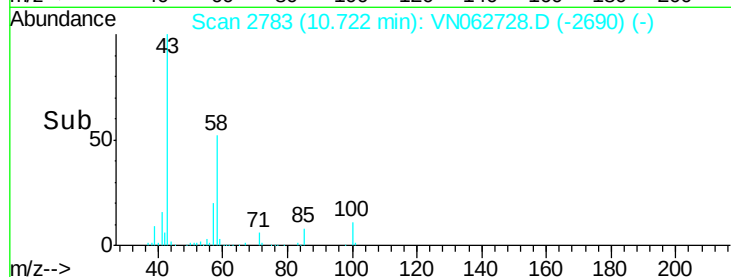
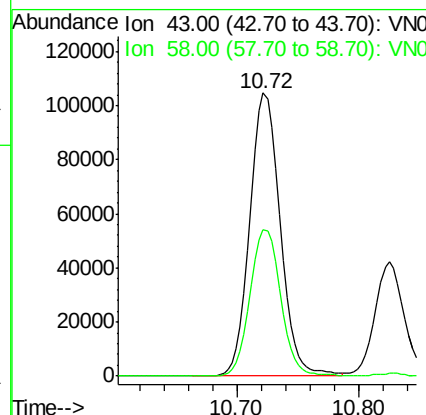
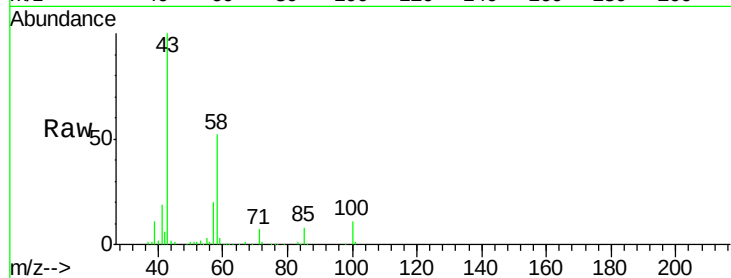
#59
2-Hexanone
Concen: 89.532 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. 0.00 min
Lab File: VN062728.D
Acq: 3 Aug 2020 12:07

Instrument :
MSVOA_N
ClientSampleId :
VN0803WBS01

Tot Ion	43	Resp	178628
Ion Ratio	43	100	
Lower	58	52.7	26.0
Upper			78.0

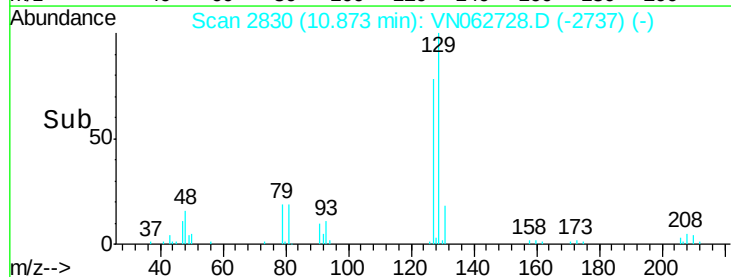
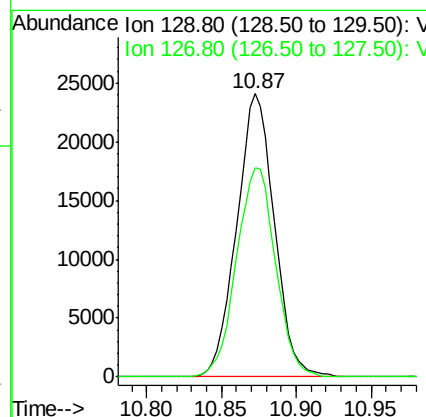
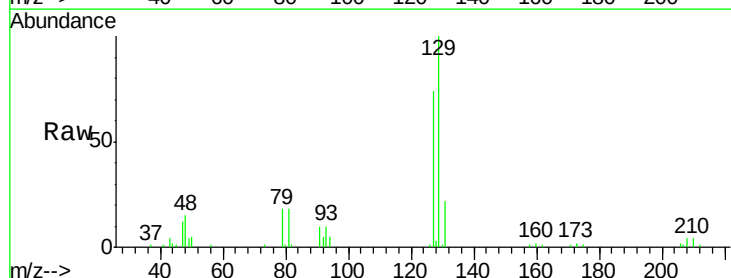
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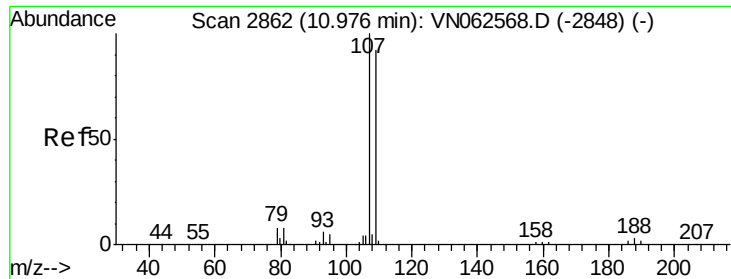
MMDadoda
8/4/2020 1:52:20 PM



#60
Dibromochloromethane
Concen: 21.862 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN062728.D
Acq: 3 Aug 2020 12:07

Tgt Ion	129	Resp	42169
Ion Ratio	129	100	
Lower	127	76.8	38.0
Upper			113.9





#61

1,2-Dibromoethane

Concen: 20.190 ug/l

RT: 10.98 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VN062728.D

Acq: 3 Aug 2020 12:07

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBS01

Tot Ion:107 Resp: 36350

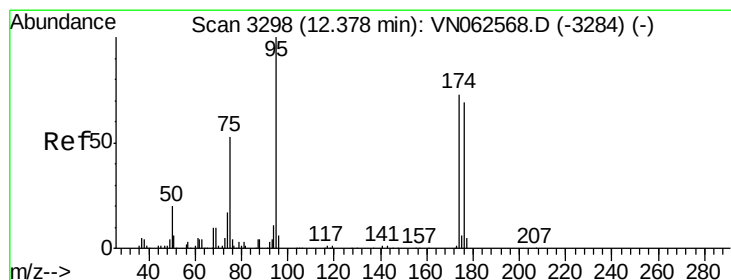
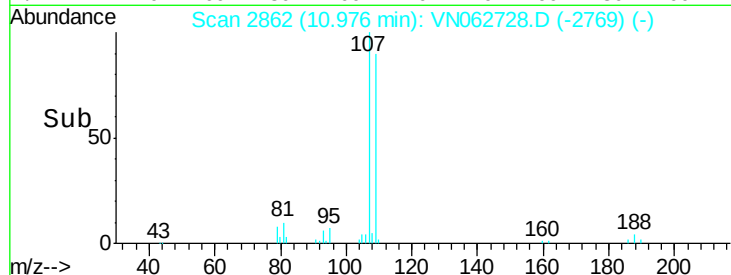
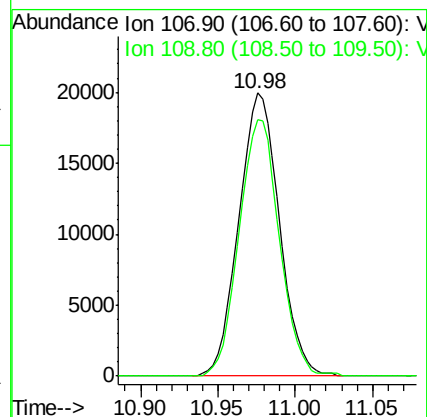
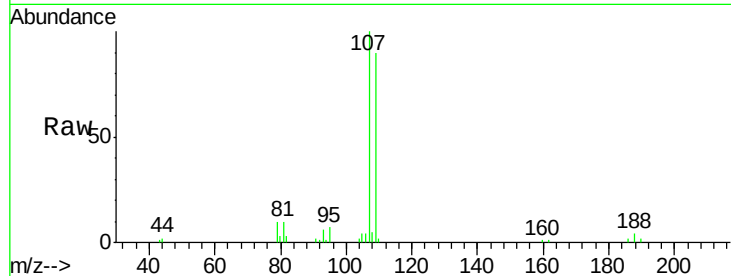
Ion Ratio Lower Upper

107 100

109 89.9 73.8 110.6

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#62

4-Bromofluorobenzene

Concen: 52.905 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062728.D

Acq: 3 Aug 2020 12:07

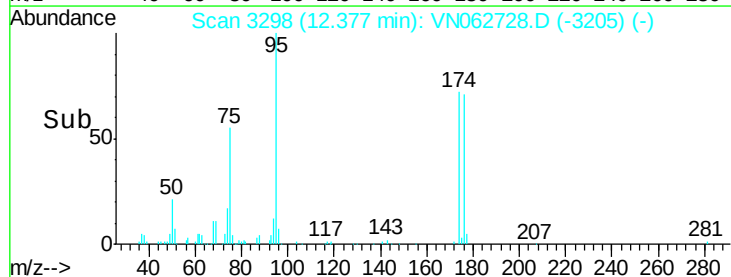
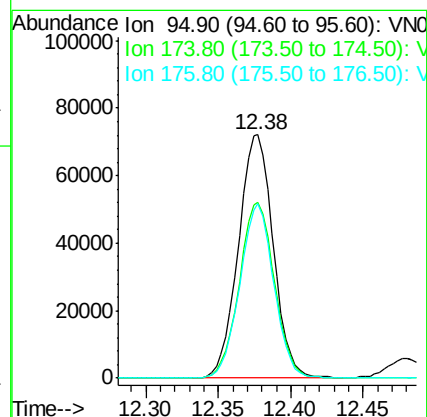
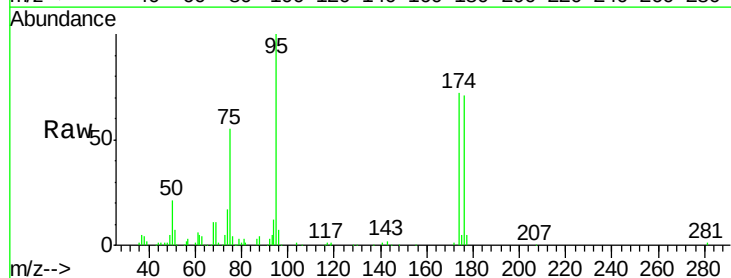
Tgt Ion: 95 Resp: 120601

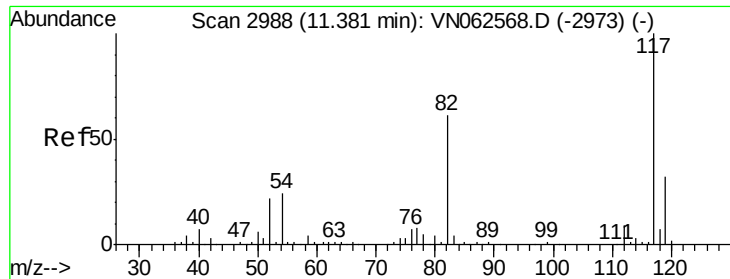
Ion Ratio Lower Upper

95 100

174 72.8 0.0 144.6

176 69.5 0.0 139.4





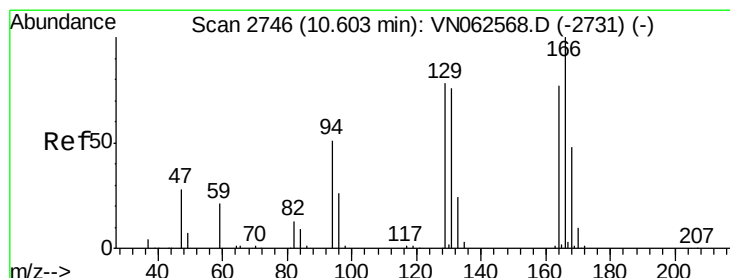
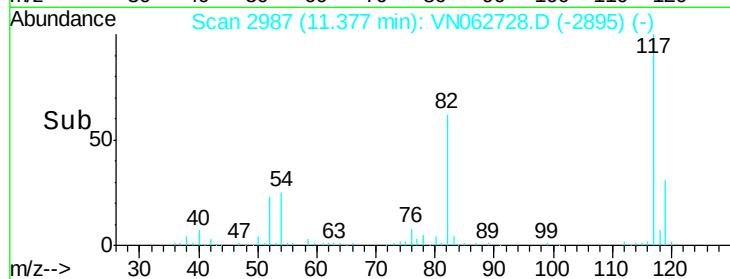
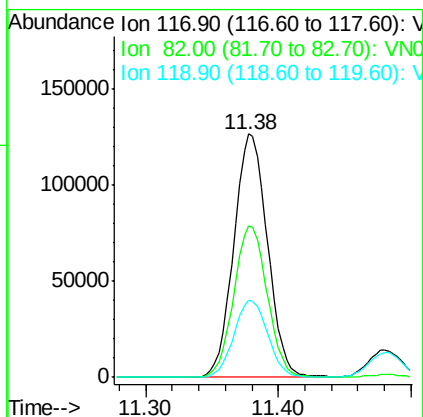
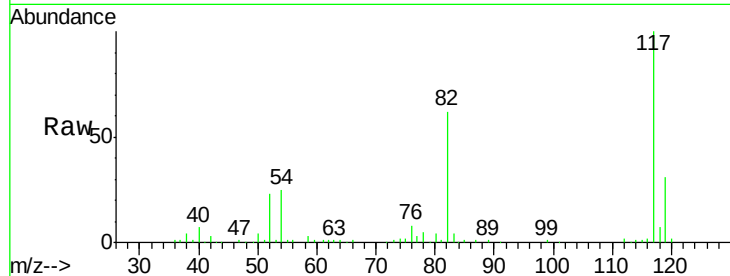
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2987
Delta R.T. -0.00 min
Lab File: VN062728.D
Acq: 3 Aug 2020 12:07

Instrument :
MSVOA_N
ClientSampleId :
VN0803WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	223105		
82	62.5	49.0	73.6	
119	31.5	25.4	38.2	

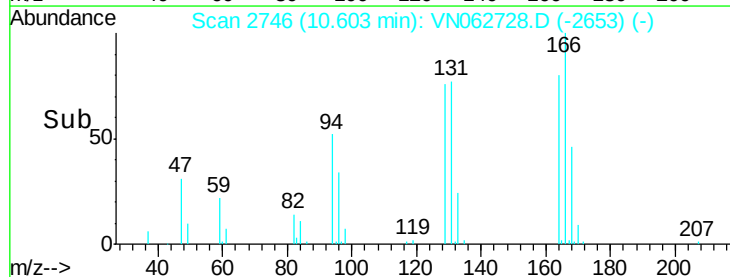
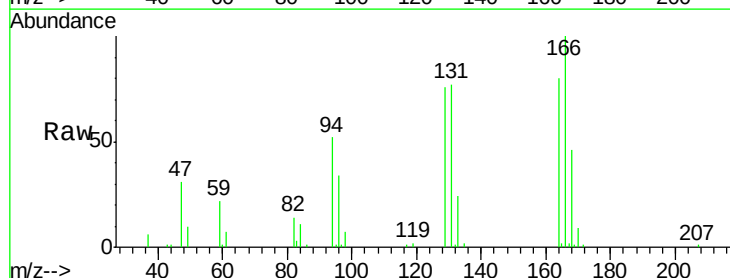
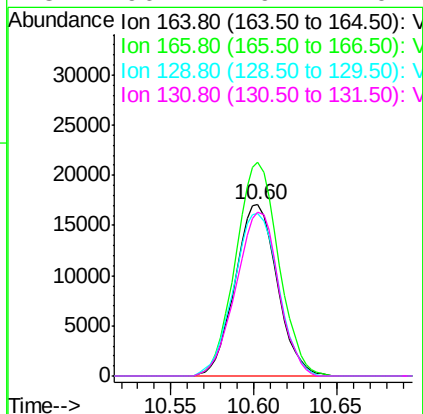
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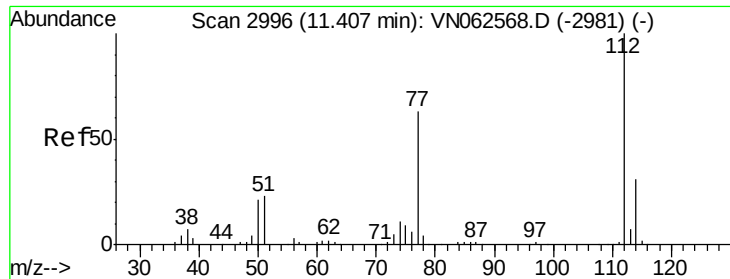
MMDadoda
8/4/2020 1:52:20 PM



#64
Tetrachloroethene
Concen: 20.912 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062728.D
Acq: 3 Aug 2020 12:07

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	30313		
166	124.9	104.4	156.6	
129	94.8	81.0	121.4	
131	96.2	79.4	119.2	





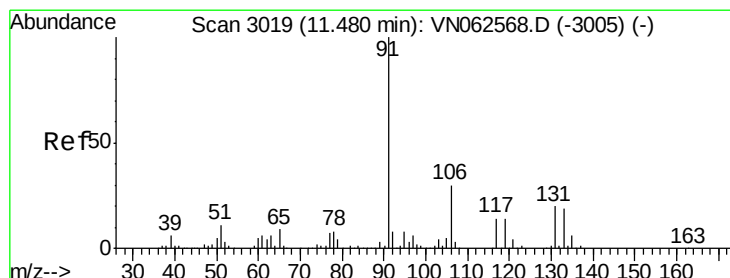
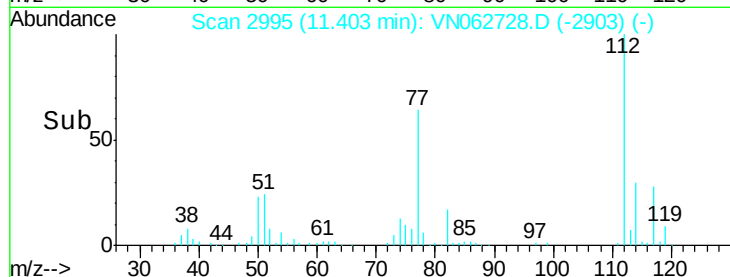
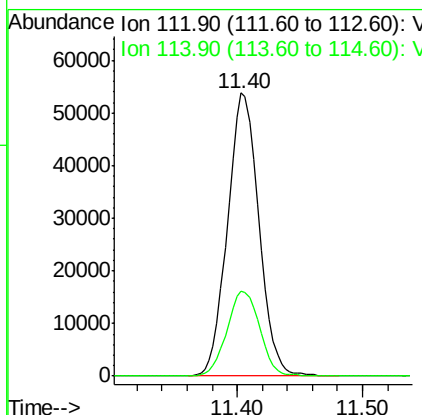
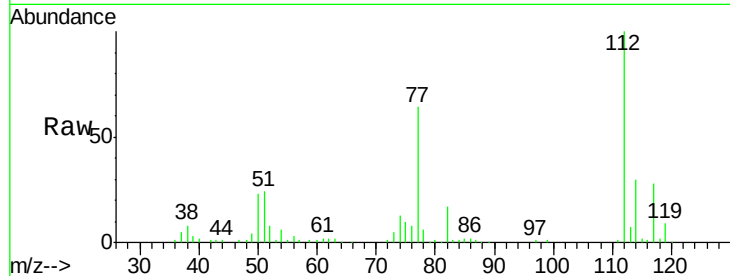
#65
Chlorobenzene
Concen: 19.981 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN062728.D
Acq: 3 Aug 2020 12:07

Instrument :
MSVOA_N
ClientSampleId :
VN0803WBS01

Tot Ion:112 Resp: 93454
Ion Ratio Lower Upper
112 100
114 30.2 25.1 37.7

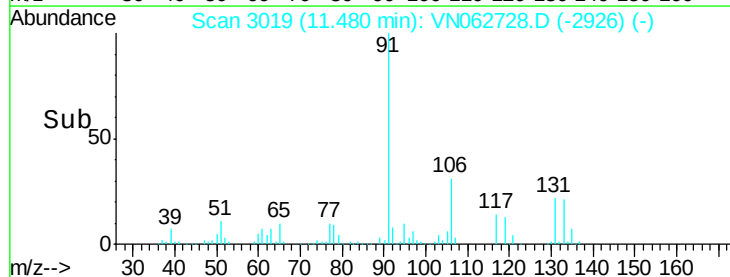
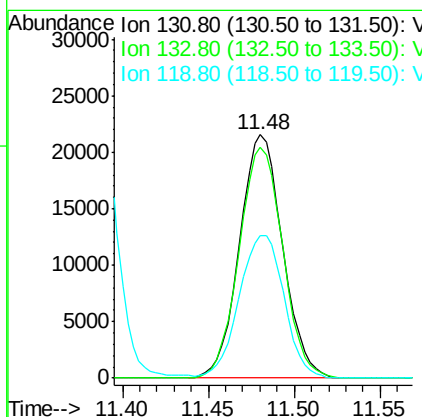
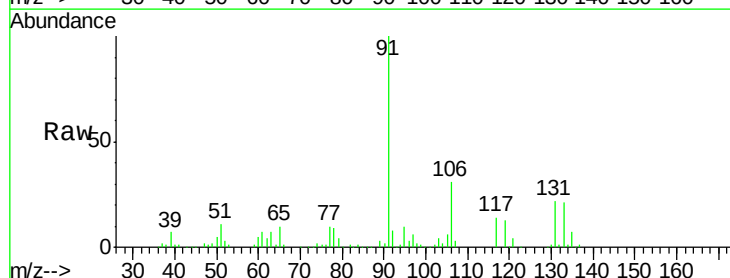
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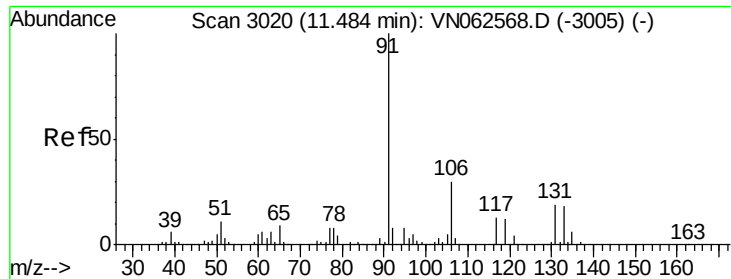
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.363 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN062728.D
Acq: 3 Aug 2020 12:07

Tgt Ion:131 Resp: 37590
Ion Ratio Lower Upper
131 100
133 95.9 47.3 142.0
119 61.0 33.7 101.0





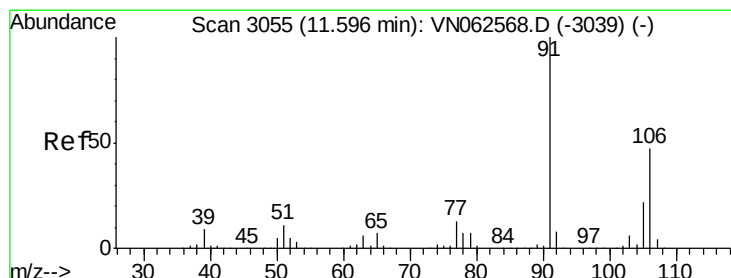
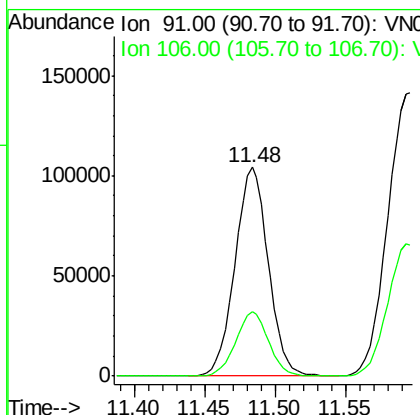
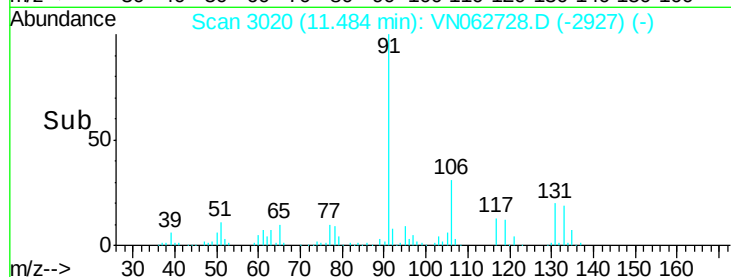
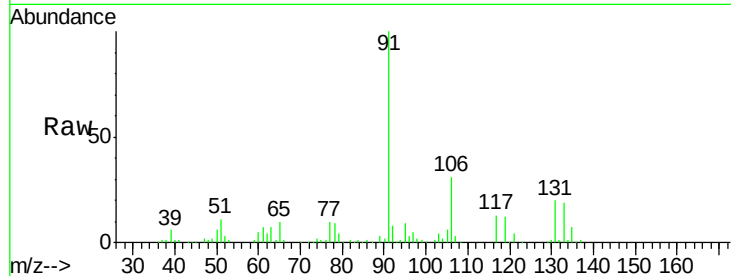
#67
Ethyl Benzene
Concen: 20.067 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062728.D
Acq: 3 Aug 2020 12:07

Instrument :
MSVOA_N
ClientSampleId :
VN0803WBS01

Tot Ion: 91 Resp: 172090
Ion Ratio Lower Upper
91 100
106 31.0 23.8 35.8

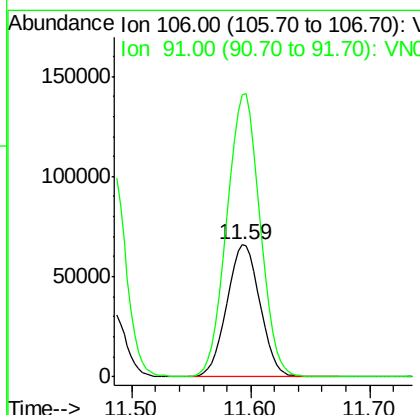
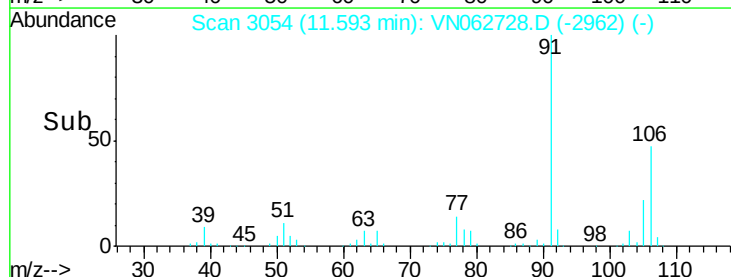
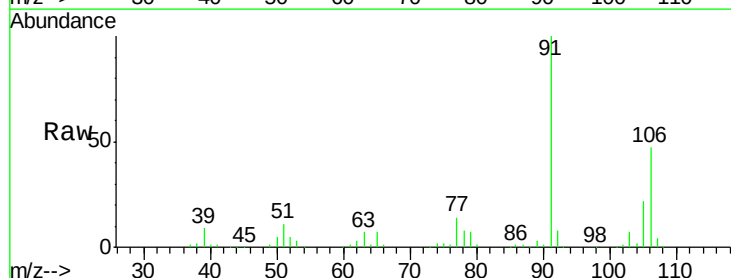
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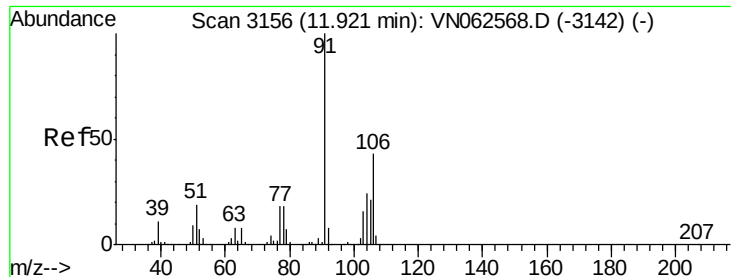
MMDadoda
8/4/2020 1:52:20 PM



#68
m/p-Xylenes
Concen: 41.457 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN062728.D
Acq: 3 Aug 2020 12:07

Tgt Ion: 106 Resp: 127785
Ion Ratio Lower Upper
106 100
91 213.7 171.4 257.2





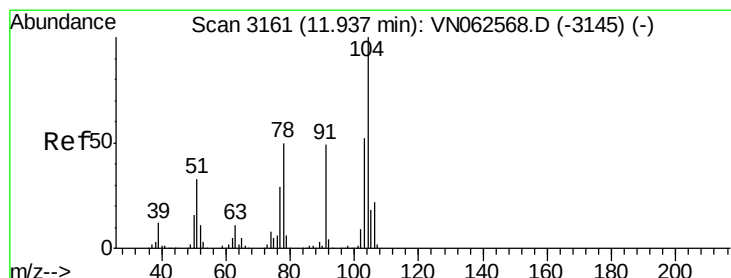
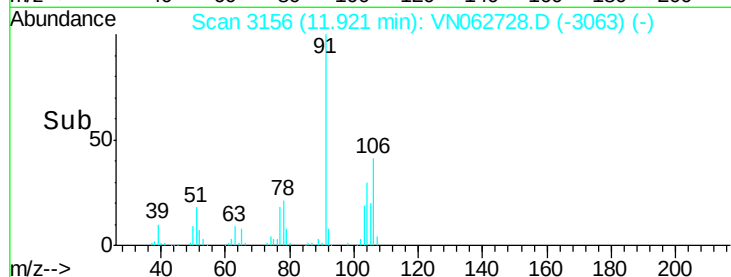
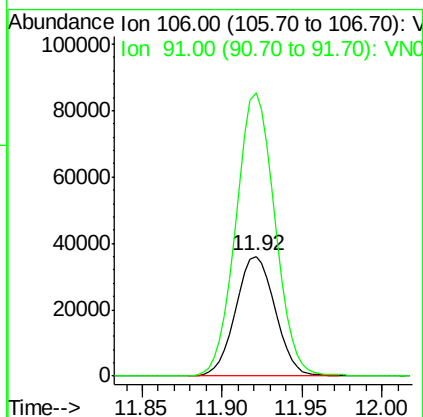
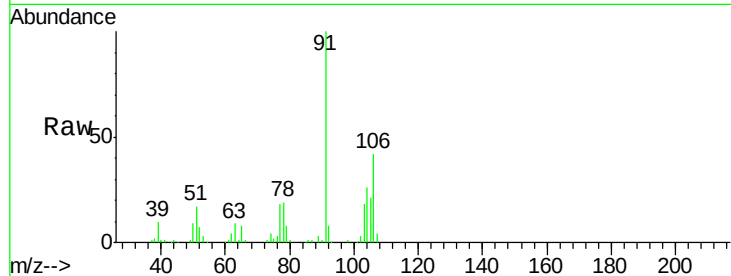
#69
o-Xylene
Concen: 20.738 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062728.D
Acq: 3 Aug 2020 12:07

Instrument :
MSVOA_N
ClientSampleId :
VN0803WBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	233.4	113.8	341.2

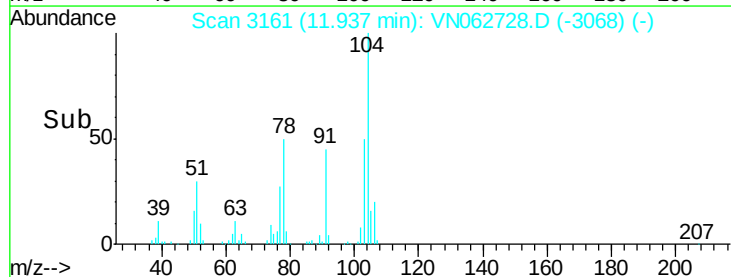
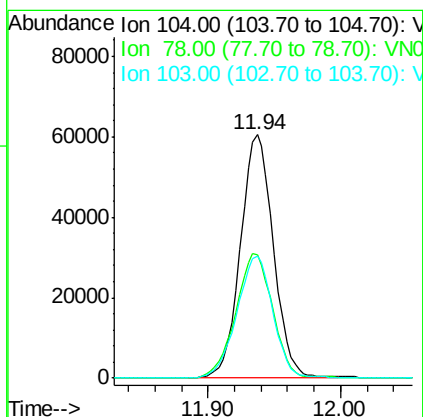
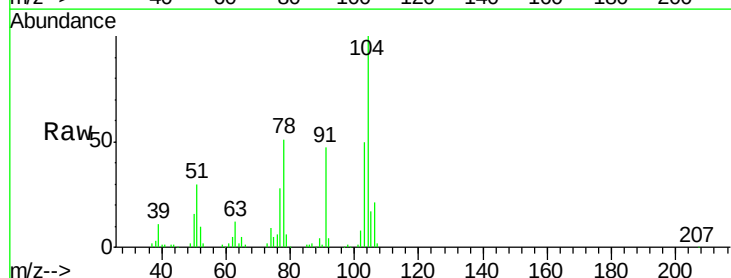
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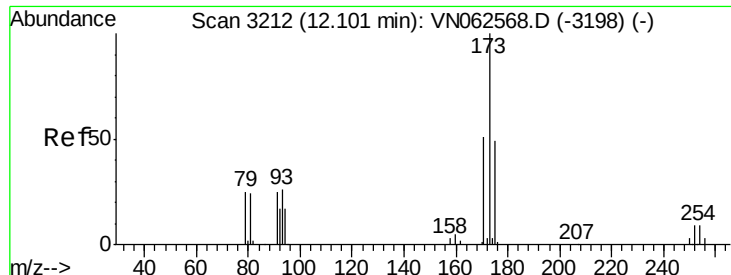
MMDadoda
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#70
Styrene
Concen: 21.097 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN062728.D
Acq: 3 Aug 2020 12:07

Tgt Ion	Ratio	Lower	Upper
104	100		
78	57.2	43.8	65.6
103	54.9	44.0	66.0





#71

Bromoform

Concen: 21.488 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN062728.D

Acq: 3 Aug 2020 12:07

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBS01

Tot Ion:173 Resp: 28388

Ion Ratio Lower Upper

173 100

175 46.4 24.1 72.2

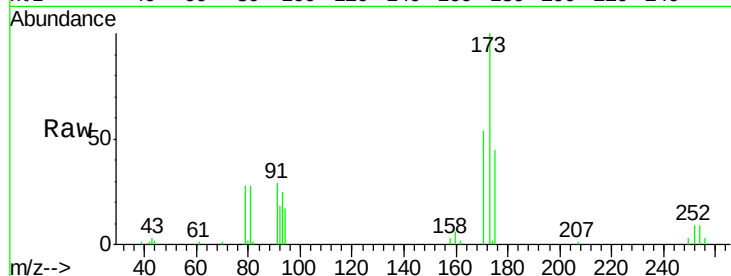
254 0.0 0.0 0.0

Manual Integrations

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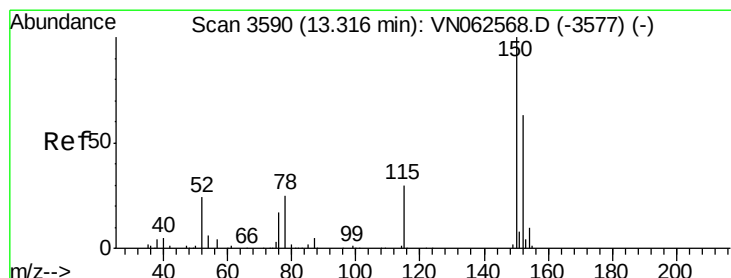
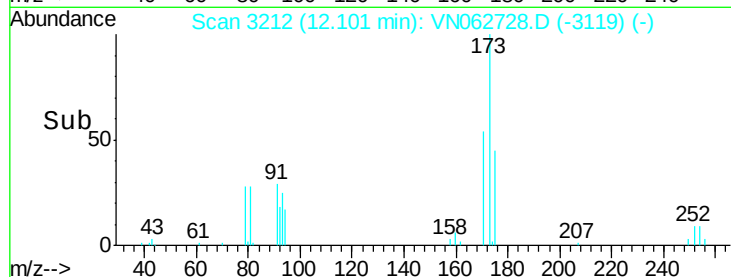
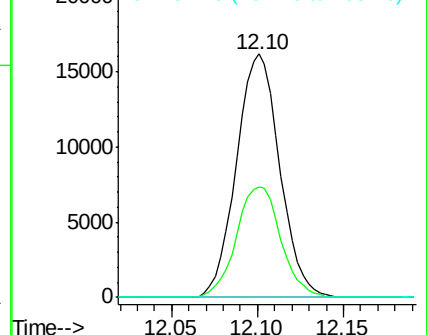
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Abundance Ion 172.70 (172.40 to 173.40): V

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: 13.32 min Scan# 3590

Delta R.T. -0.00 min

Lab File: VN062728.D

Acq: 3 Aug 2020 12:07

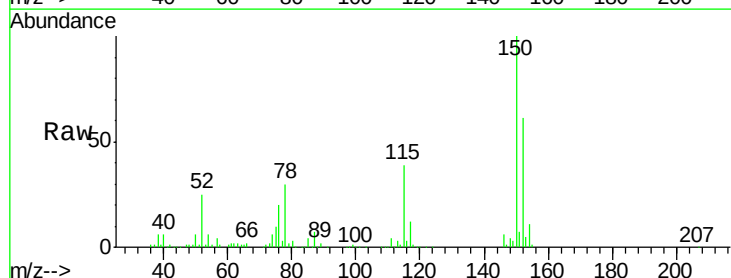
Tgt Ion:152 Resp: 104330

Ion Ratio Lower Upper

152 100

115 65.0 31.8 95.4

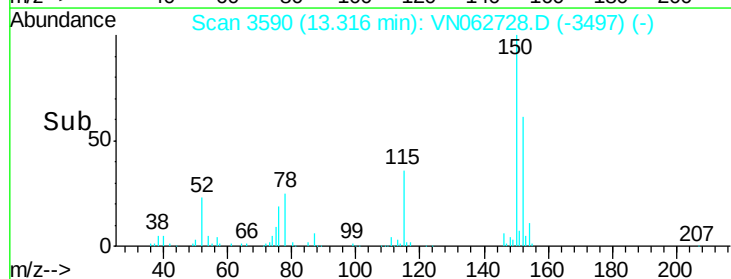
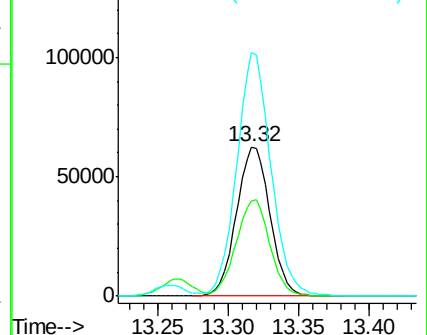
150 165.4 0.0 351.4

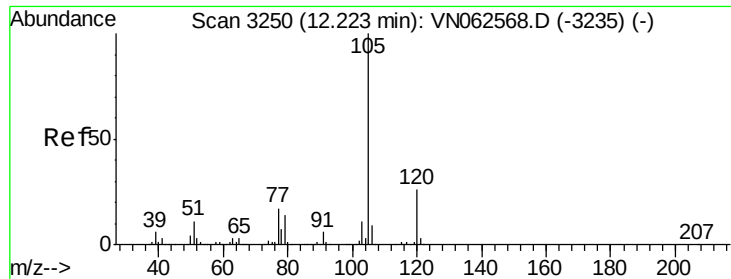


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.783 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN062728.D

Acq: 3 Aug 2020 12:07

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBS01

Tot Ion: 105 Resp: 171452

Ion Ratio Lower Upper

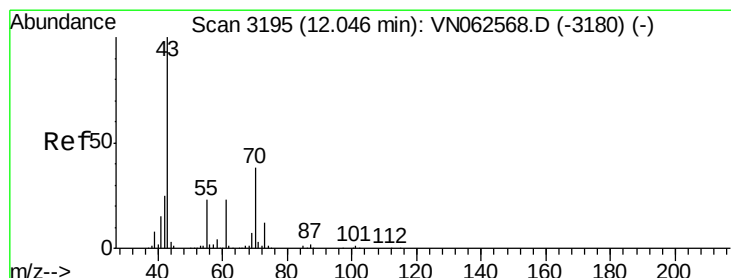
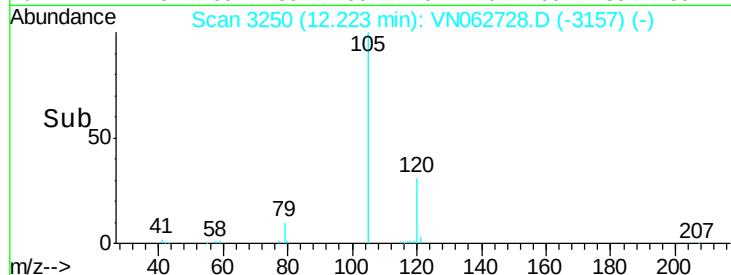
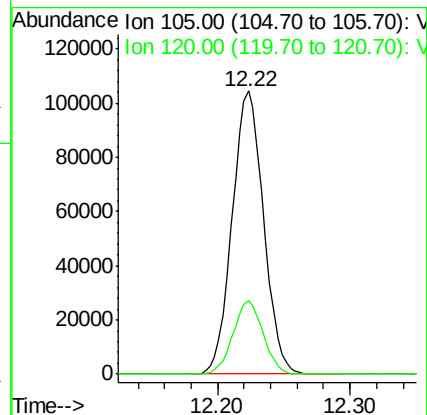
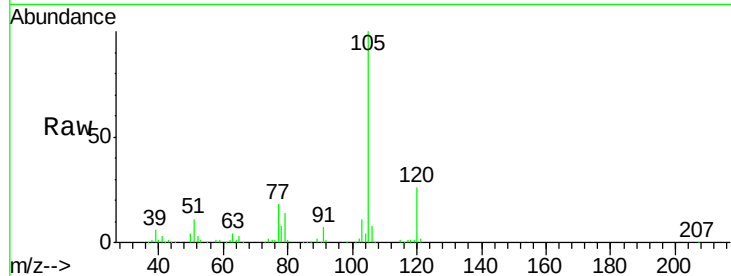
105 100

120 24.9 12.8 38.4

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#74

N-ethyl acetate

Concen: 18.159 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN062728.D

Acq: 3 Aug 2020 12:07

Tgt Ion: 43 Resp: 66901

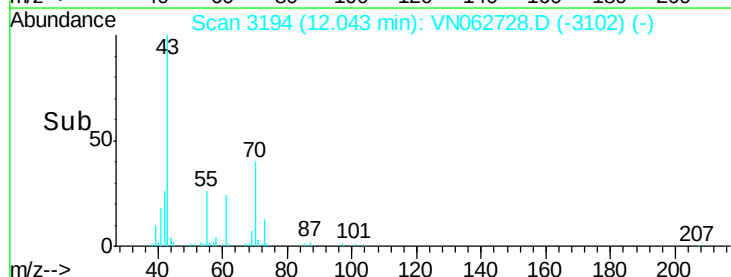
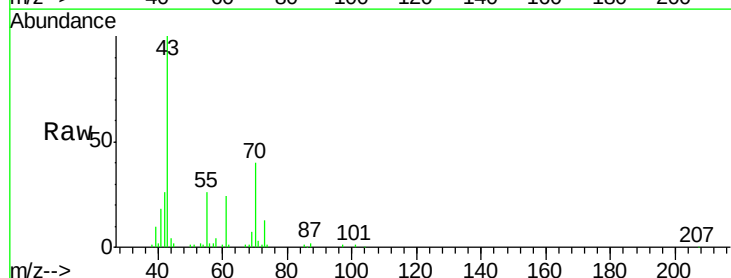
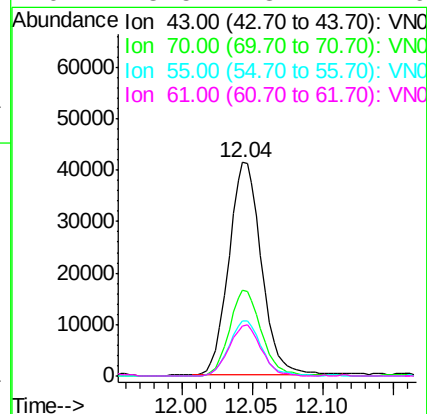
Ion Ratio Lower Upper

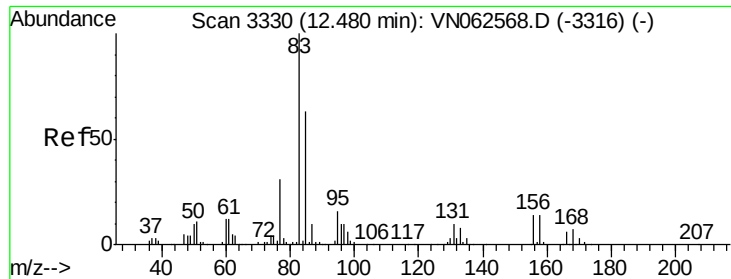
43 100

70 39.4 30.5 45.7

55 25.9 19.0 28.6

61 23.5 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 18.742 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN062728.D

Acq: 3 Aug 2020 12:07

Instrument :

MSVOA_N

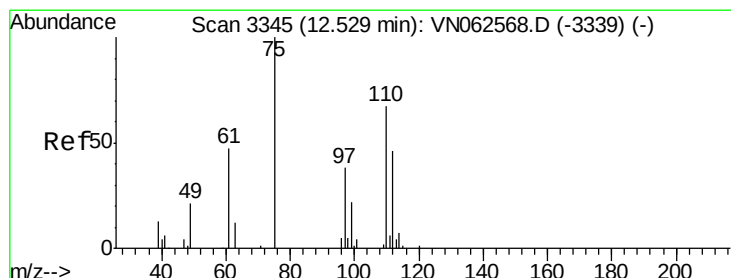
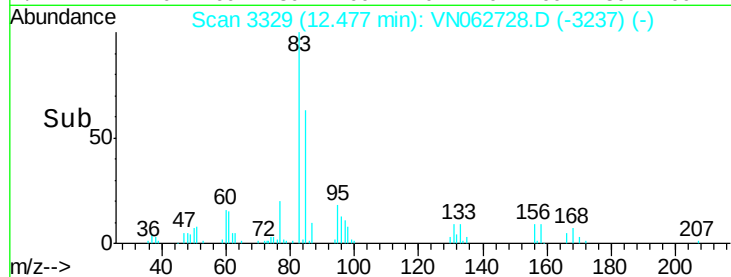
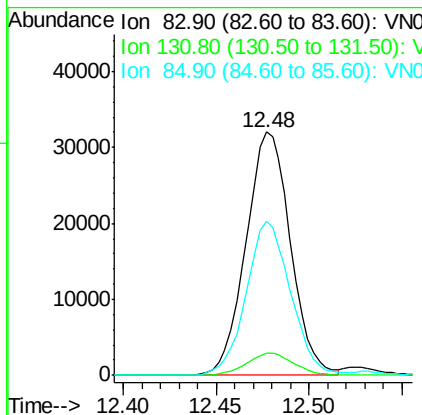
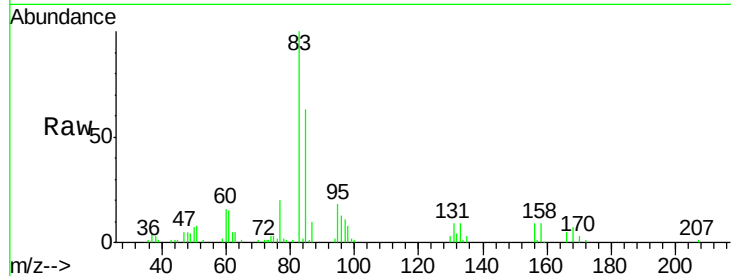
ClientSampleId :

VN0803WBS01

Tot Ion:	83	Resp:	53728
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.8	14.3
85	63.0	31.8	95.4

Manual Integrations
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8/4/2020 1:52:20 PM



#76

1,2,3-Trichloropropane

Concen: 19.597 ug/l m

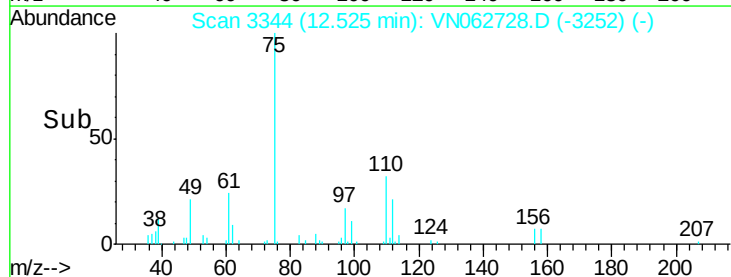
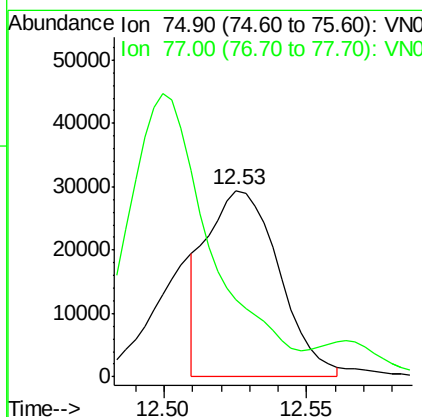
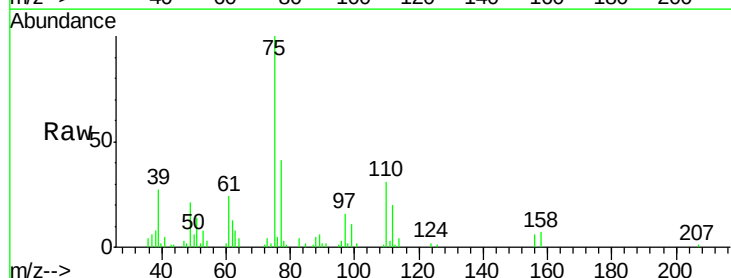
RT: 12.53 min Scan# 3344

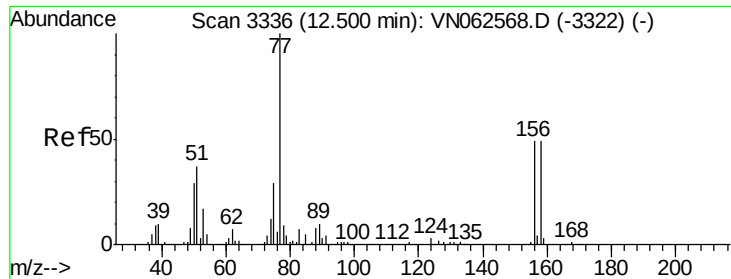
Delta R.T. -0.00 min

Lab File: VN062728.D

Acq: 3 Aug 2020 12:07

Tgt Ion:	75	Resp:	52042
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.628 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062728.D

Acq: 3 Aug 2020 12:07

Instrument :

MSVOA_N

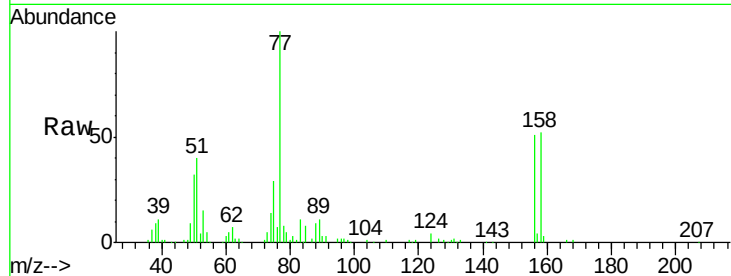
ClientSampleId :

VN0803WBS01

Tot Ion:	156	Resp:	38913
Ion Ratio	Lower	Upper	
156	100		
77	235.8	122.8	368.3
158	100.6	49.4	148.0

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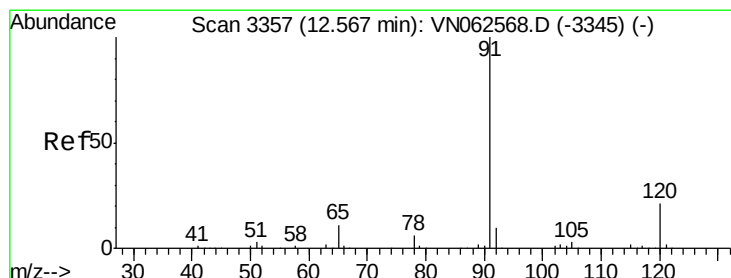
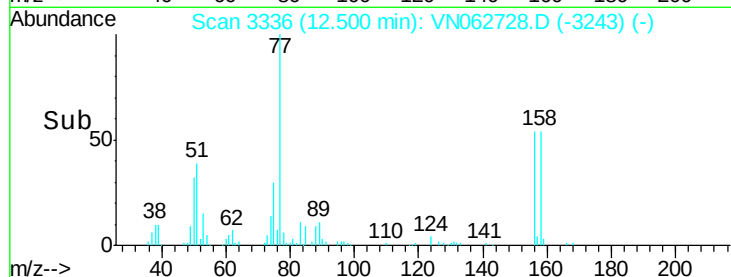
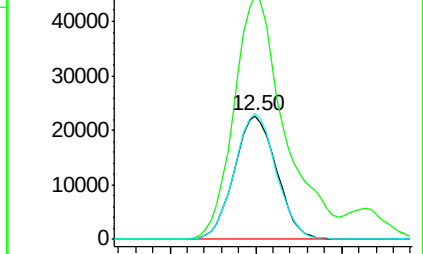
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.485 ug/l

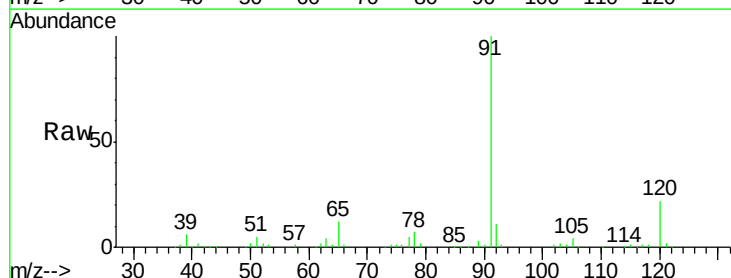
RT: 12.56 min Scan# 3356

Delta R.T. -0.00 min

Lab File: VN062728.D

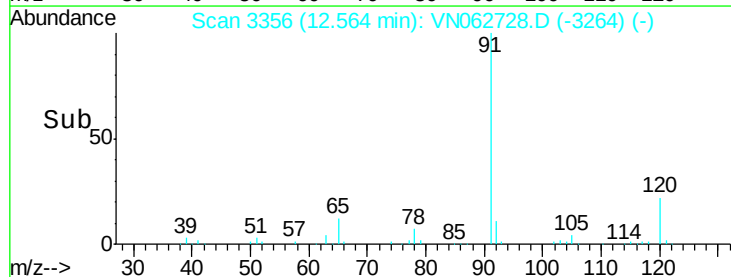
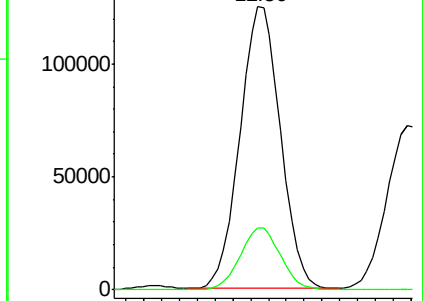
Acq: 3 Aug 2020 12:07

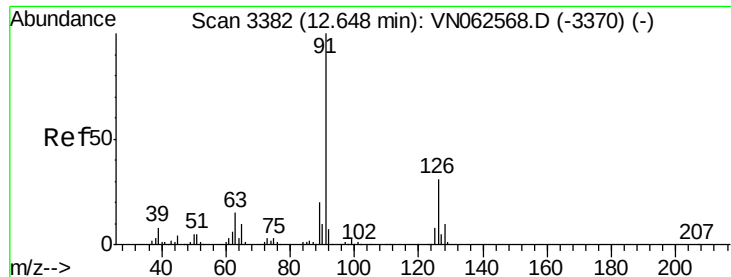
Tgt Ion:	91	Resp:	197946
Ion Ratio	Lower	Upper	
91	100		
120	22.1	10.9	32.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.412 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN062728.D

Acq: 3 Aug 2020 12:07

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBS01

Tot Ion: 91 Resp: 121557

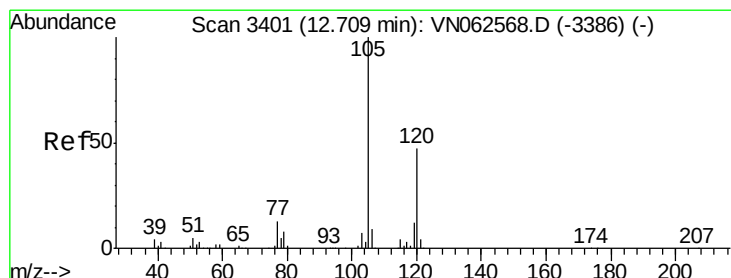
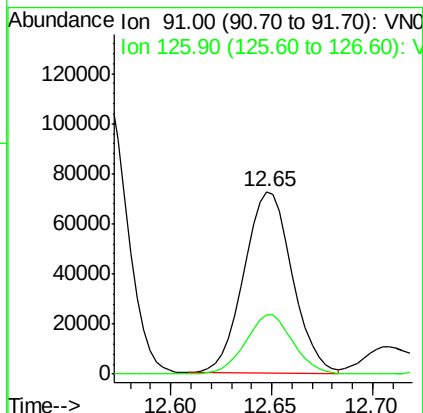
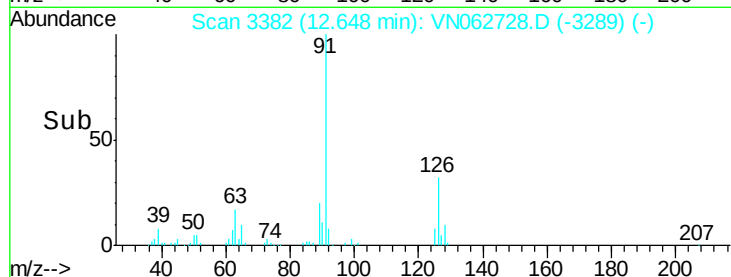
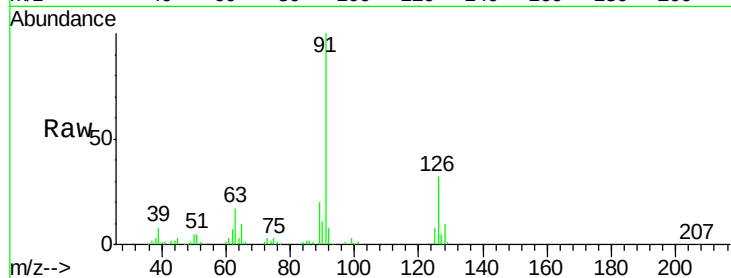
Ion Ratio Lower Upper

91 100

126 32.2 15.9 47.6

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#80

1,3,5-Trimethylbenzene

Concen: 21.956 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN062728.D

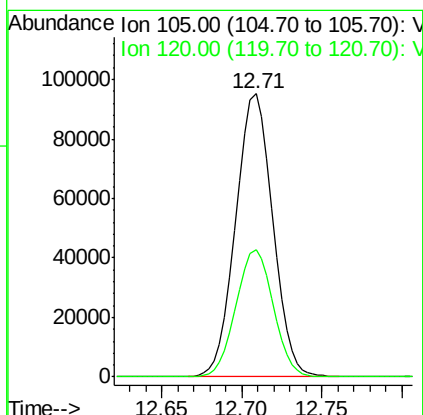
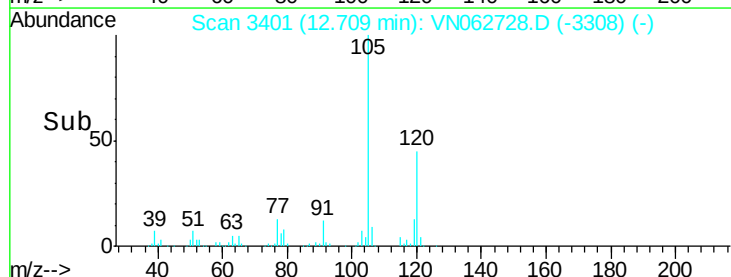
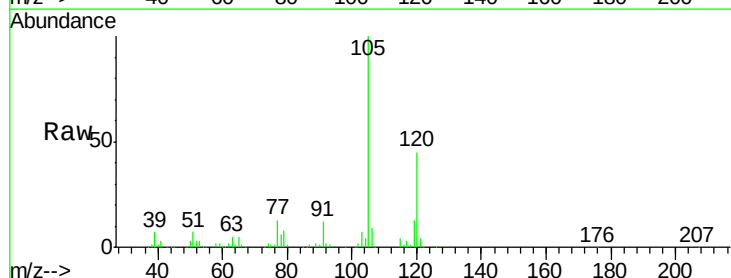
Acq: 3 Aug 2020 12:07

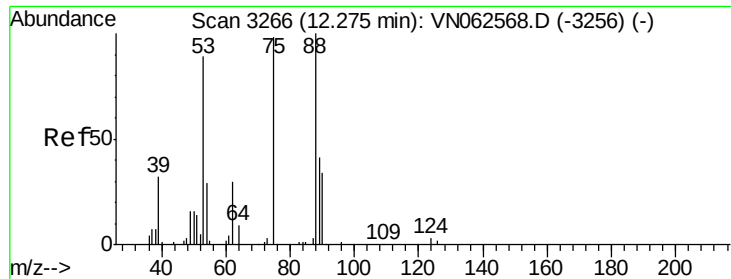
Tgt Ion:105 Resp: 150244

Ion Ratio Lower Upper

105 100

120 45.1 23.2 69.6





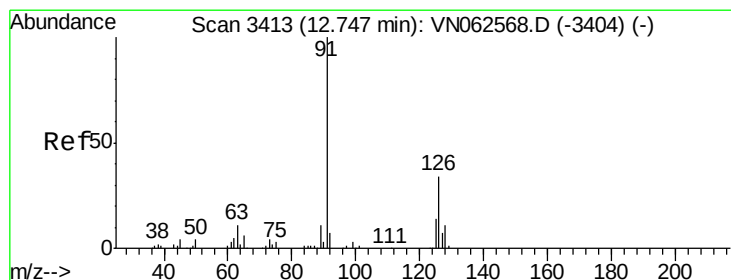
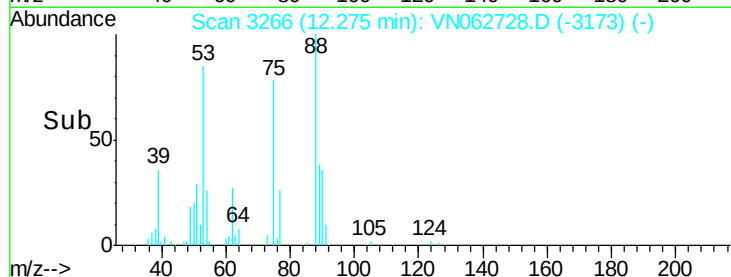
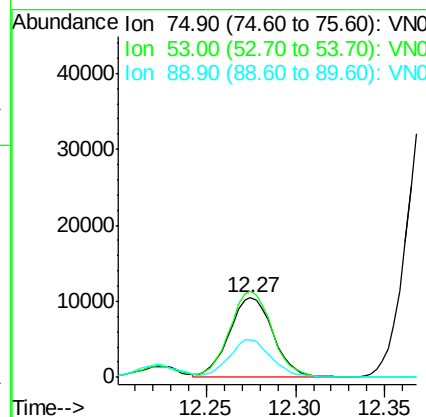
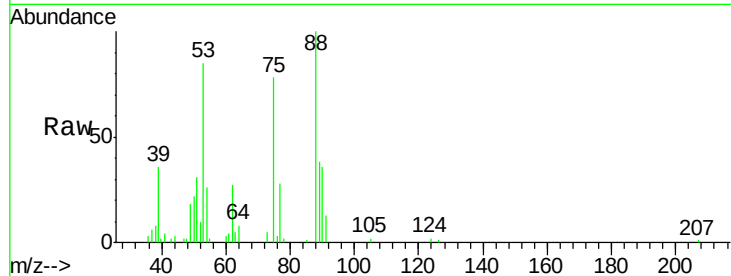
#81
trans-1,4-Dichloro-2-butene
Concen: 18.915 ug/l
RT: 12.27 min Scan# 3266
Delta R.T. -0.00 min
Lab File: VN062728.D
Acq: 3 Aug 2020 12:07

Instrument :
MSVOA_N
ClientSampleId :
VN0803WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	104.7	75.4	113.0
89	45.5	34.5	51.7

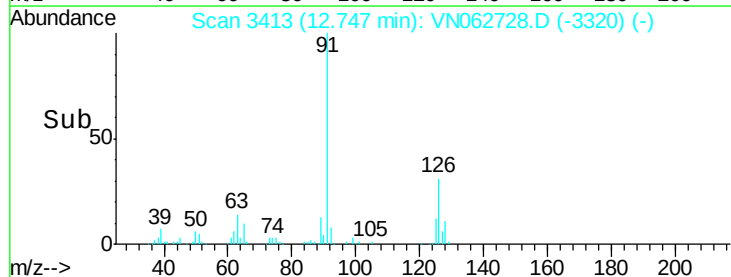
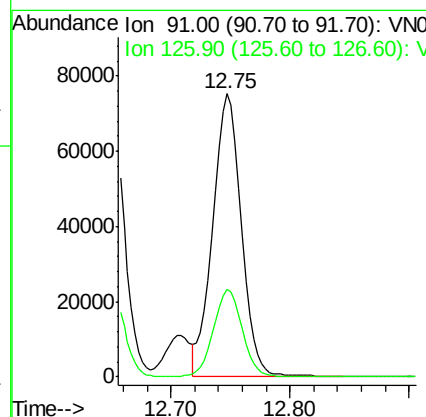
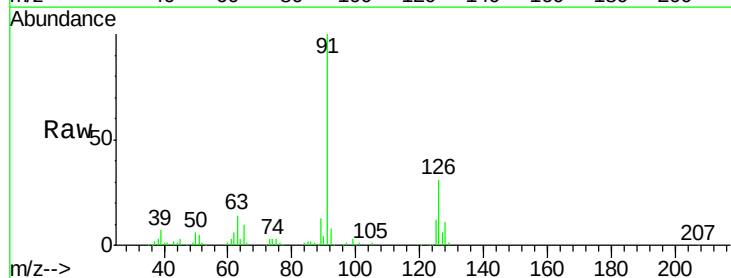
Manual Integrations
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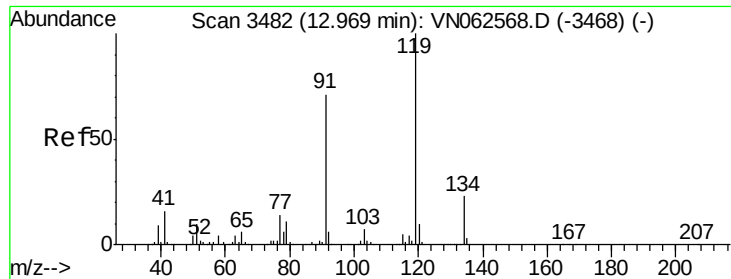
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#82
4-Chlorotoluene
Concen: 20.068 ug/l
RT: 12.75 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VN062728.D
Acq: 3 Aug 2020 12:07

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.4	46.4





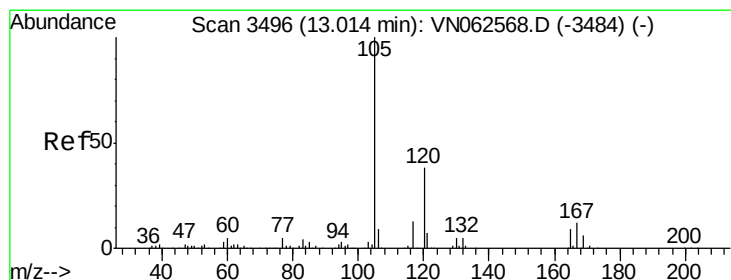
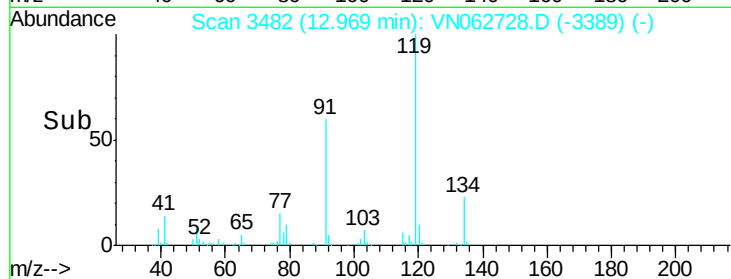
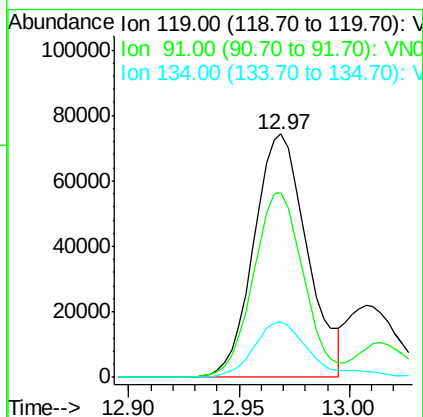
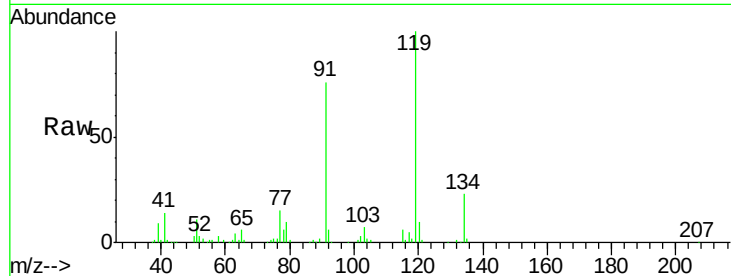
#83
 tert-Butylbenzene
 Concen: 21.939 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN062728.D
 Acq: 3 Aug 2020 12:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	124658		
91	71.5	34.6	103.8	
134	22.5	11.5	34.4	

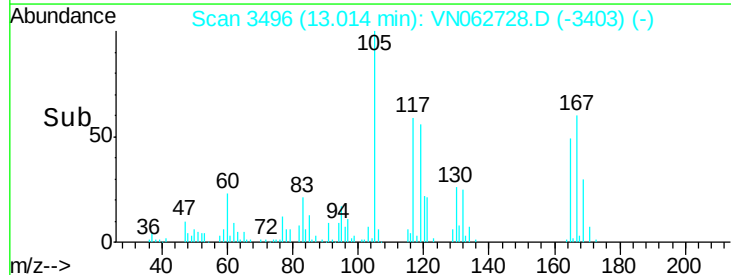
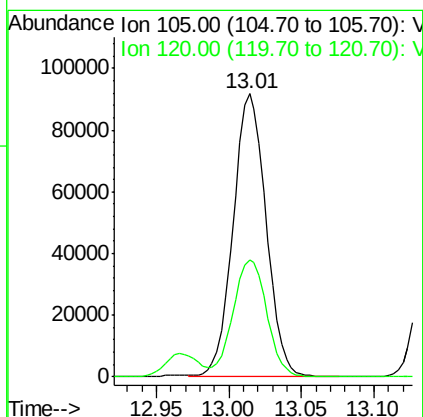
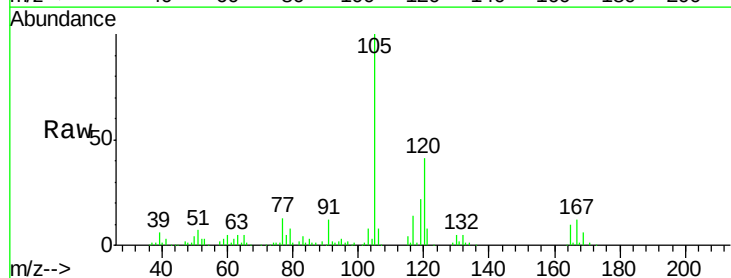
Manual Integrations
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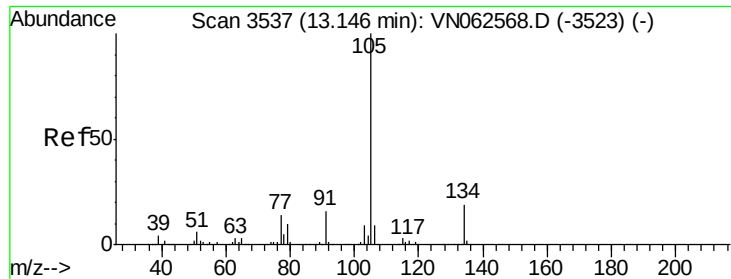
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.441 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN062728.D
 Acq: 3 Aug 2020 12:07

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	143929		
120	42.8	22.1	66.3	





#85

sec-Butylbenzene

Concen: 21.486 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN062728.D

Acq: 3 Aug 2020 12:07

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBS01

Tot Ion:105 Resp: 163449

Ion Ratio Lower Upper

105 100

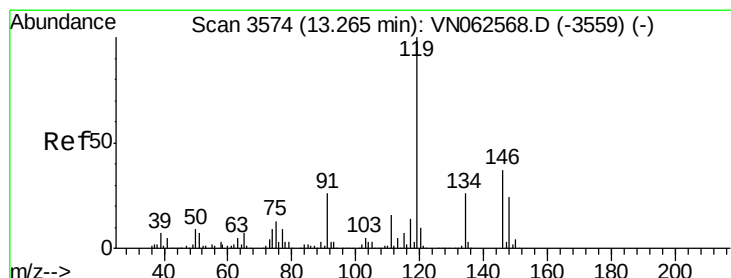
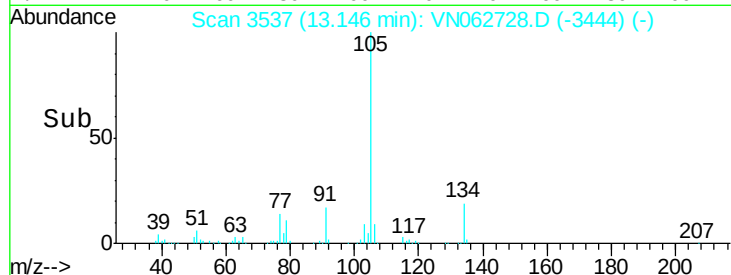
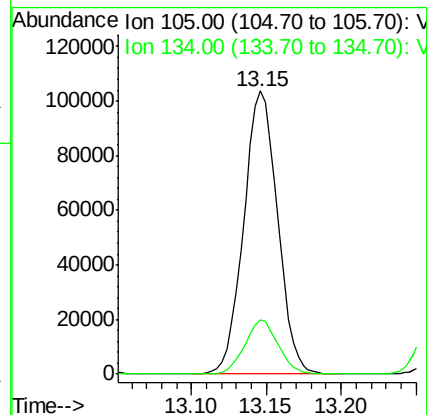
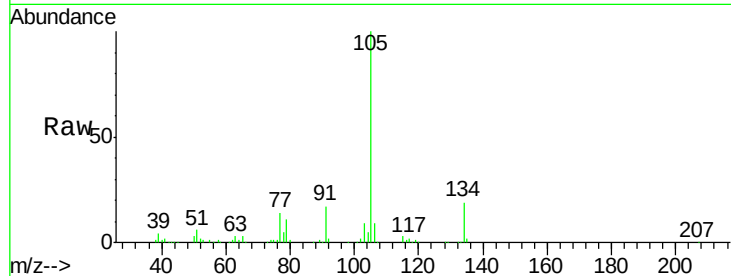
134 18.8 9.5 28.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 22.556 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN062728.D

Acq: 3 Aug 2020 12:07

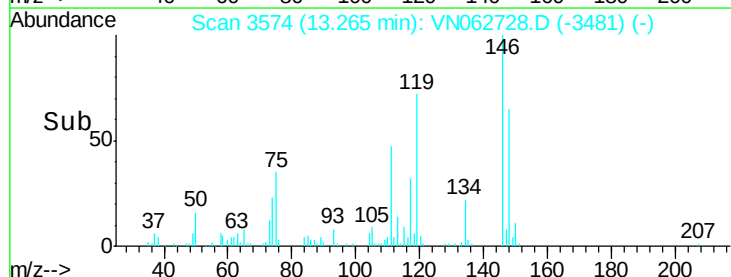
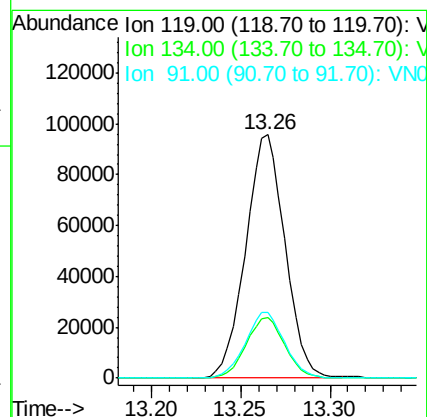
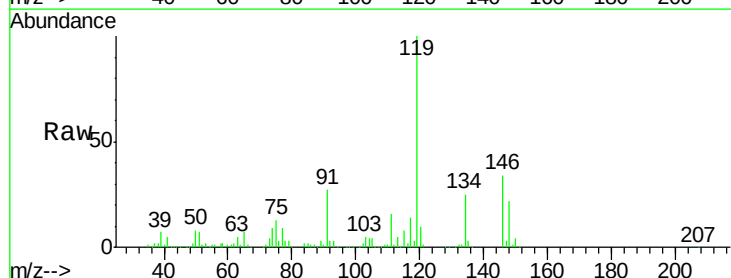
Tgt Ion:119 Resp: 147576

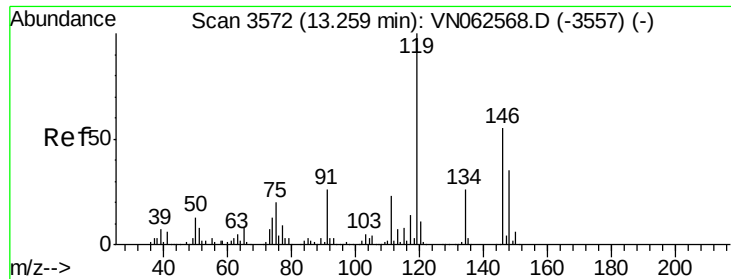
Ion Ratio Lower Upper

119 100

134 24.6 12.8 38.4

91 26.9 12.7 38.1





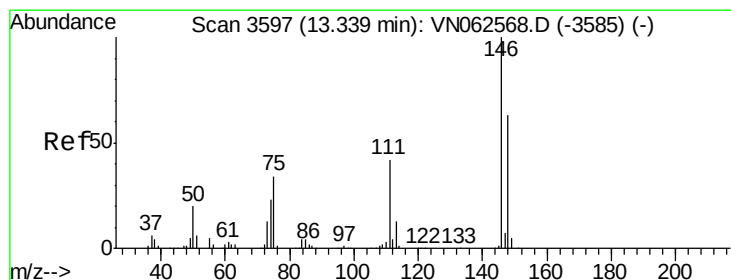
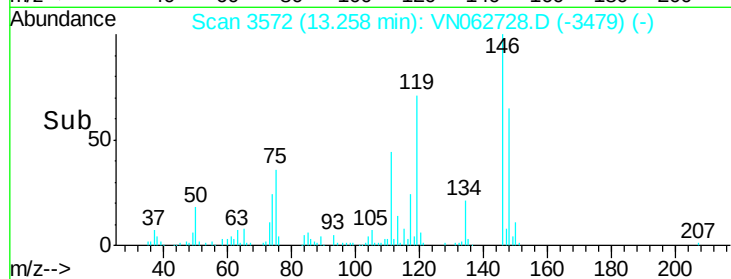
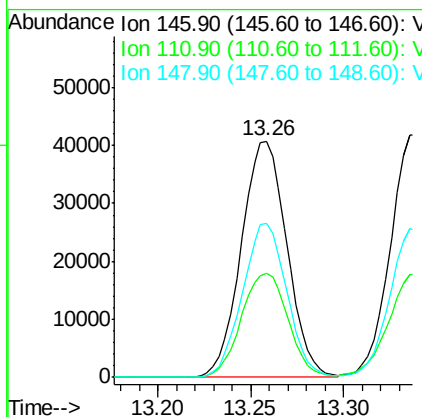
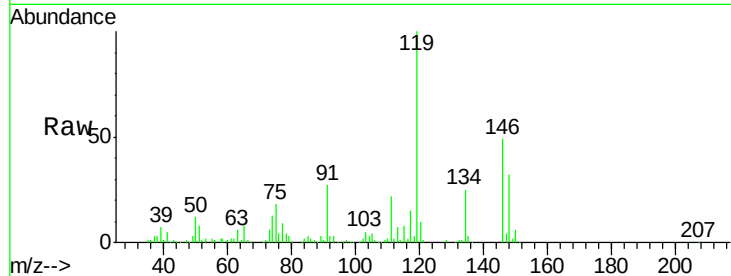
#87
 1,3-Dichlorobenzene
 Concen: 20.049 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN062728.D
 Acq: 3 Aug 2020 12:07

Instrument :
 MSVOA_N
 ClientSampled :
 VN0803WBS01

Tot Ion:146 Resp: 69749
 Ion Ratio Lower Upper
 146 100
 111 45.0 21.6 64.6
 148 63.2 31.8 95.4

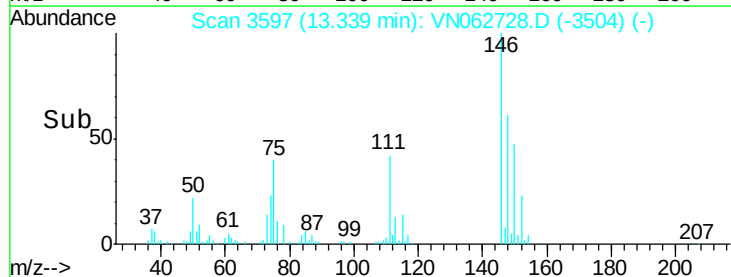
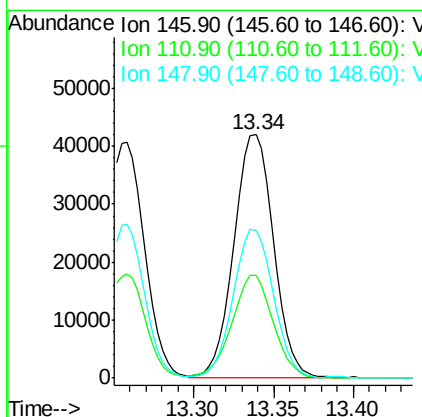
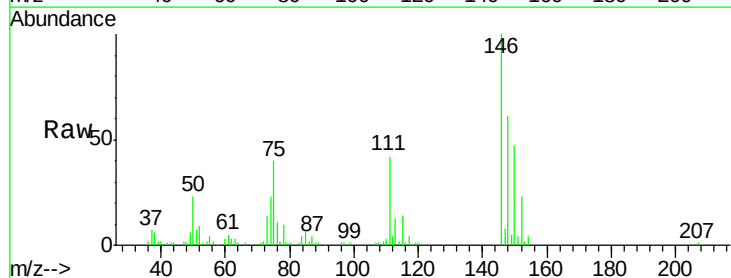
Manual Integrations
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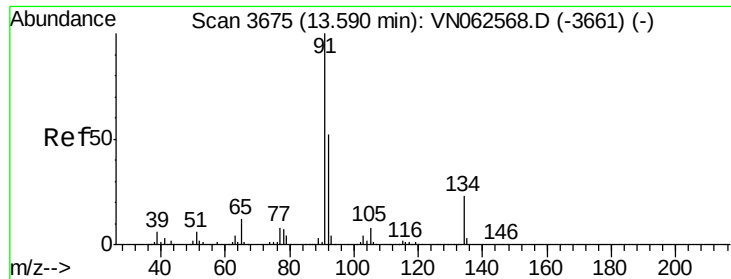
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#88
 1,4-Dichlorobenzene
 Concen: 20.793 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN062728.D
 Acq: 3 Aug 2020 12:07

Tgt Ion:146 Resp: 71211
 Ion Ratio Lower Upper
 146 100
 111 43.9 21.1 63.1
 148 61.9 31.6 94.8





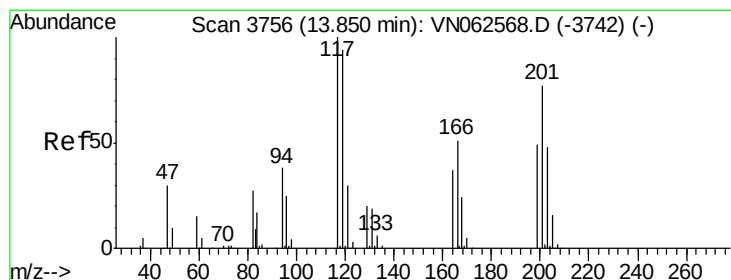
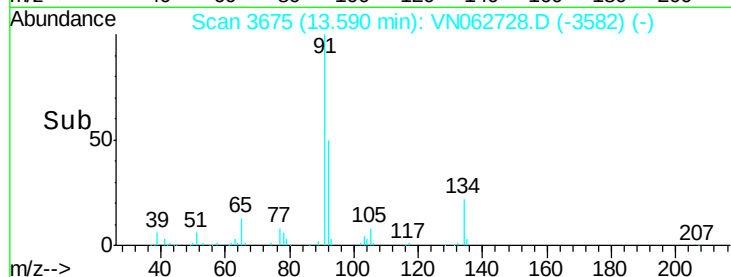
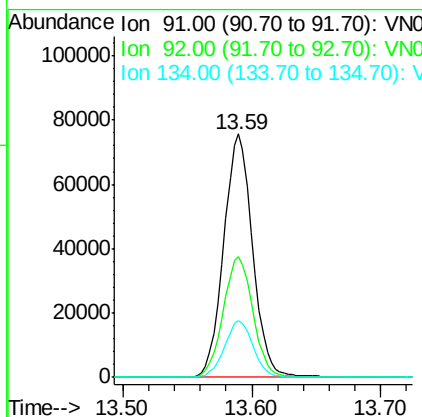
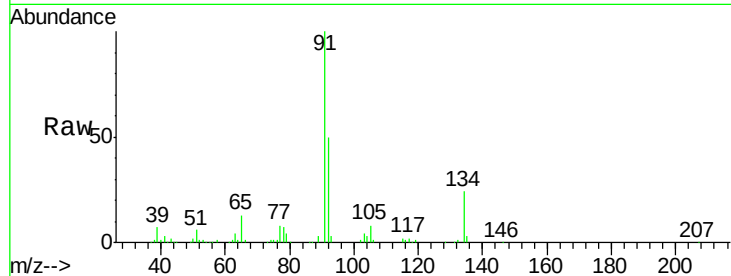
#89
n-Butylbenzene
Concen: 20.888 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN062728.D
Acq: 3 Aug 2020 12:07

Instrument :
MSVOA_N
ClientSampleId :
VN0803WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.2	25.8	77.3
134	23.0	11.8	35.3

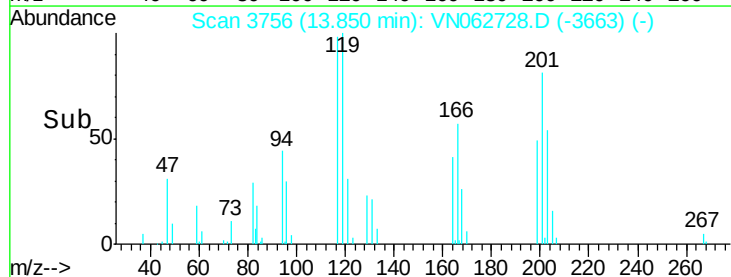
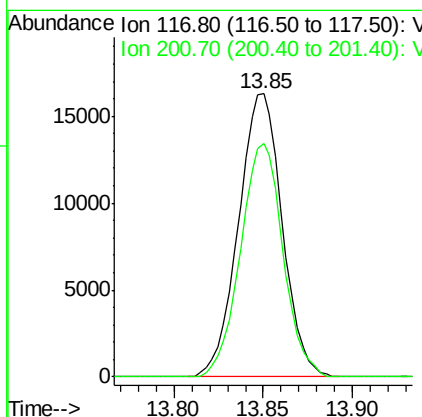
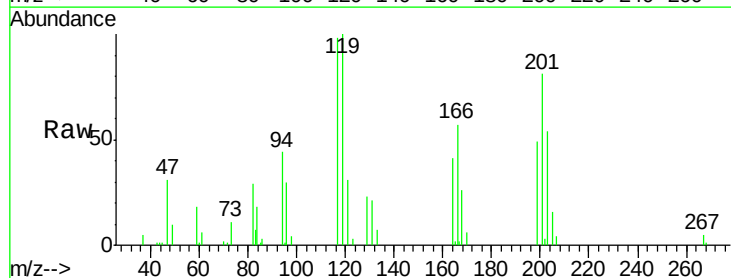
Manual Integrations
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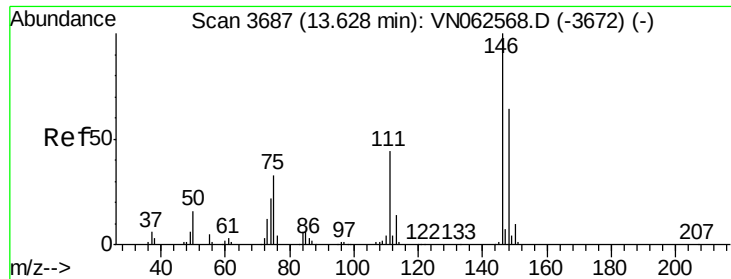
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#90
Hexachloroethane
Concen: 19.927 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN062728.D
Acq: 3 Aug 2020 12:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.2	39.2	117.6





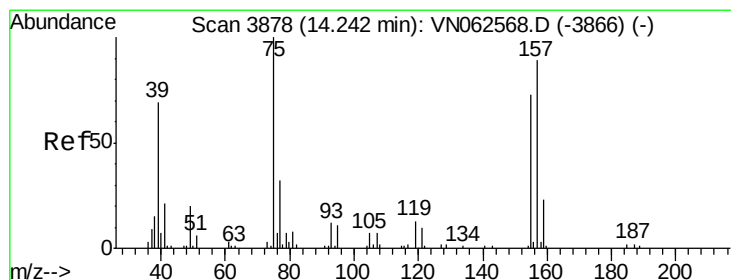
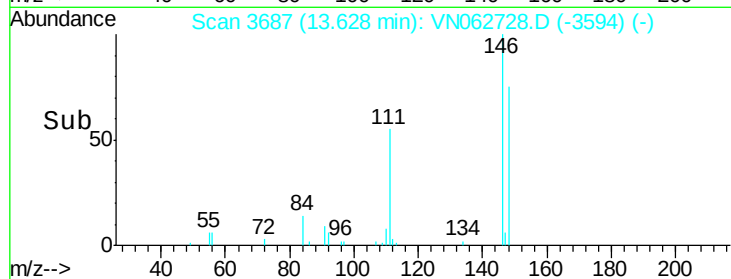
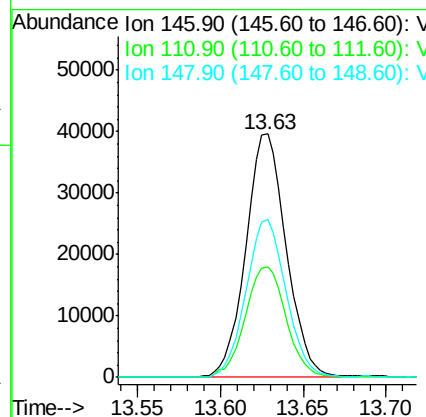
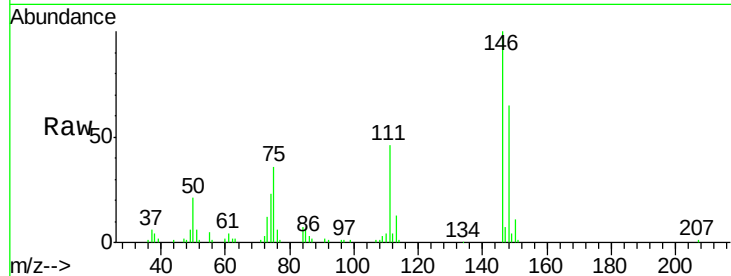
#91
 1,2-Dichlorobenzene
 Concen: 20.155 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN062728.D
 Acq: 3 Aug 2020 12:07

Instrument :
 MSVOA_N
 ClientSampled :
 VN0803WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.0	21.9	65.8
148	64.4	31.6	94.7

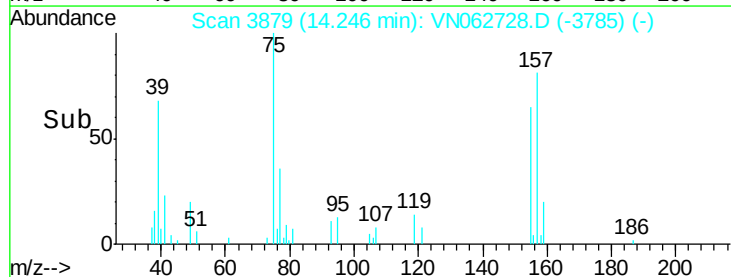
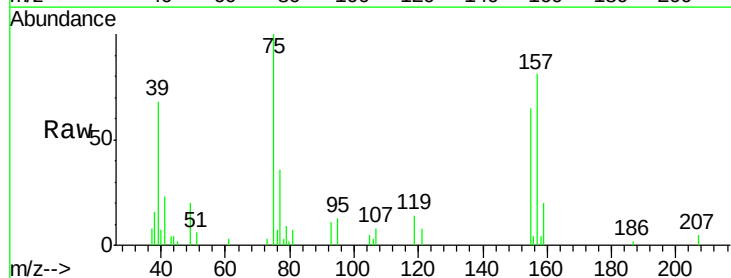
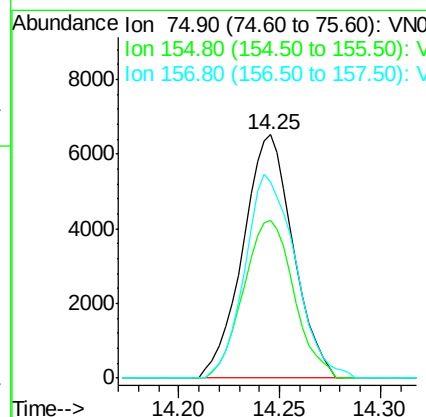
Manual Integrations
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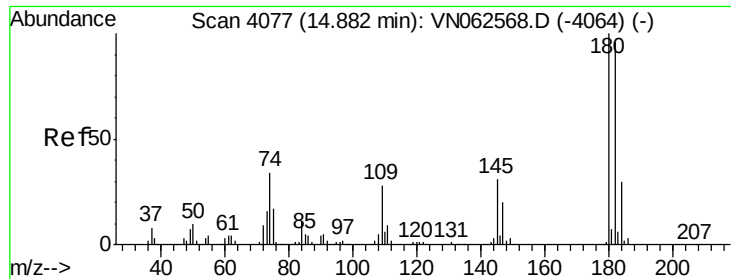
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 8/4/2020 1:52:20 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.824 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN062728.D
 Acq: 3 Aug 2020 12:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	65.0	35.9	107.5
157	84.3	45.0	135.0





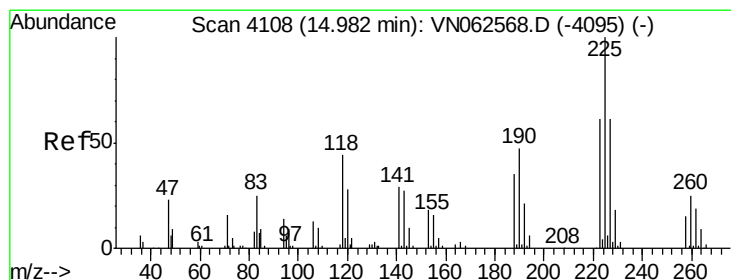
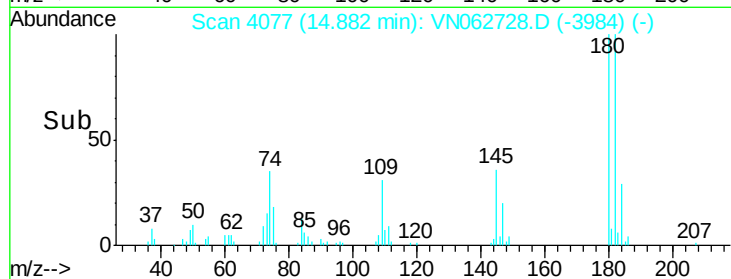
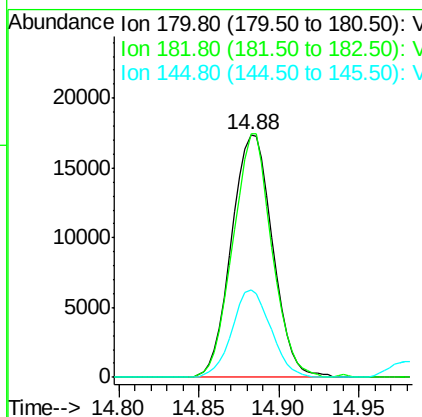
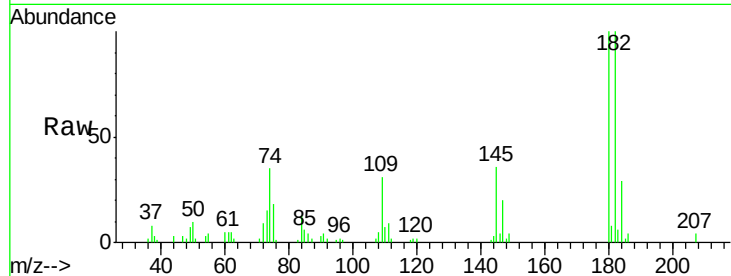
#93
 1,2,4-Trichlorobenzene
 Concen: 19.390 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN062728.D
 Acq: 3 Aug 2020 12:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.4	47.8	143.3	
145	34.1	15.3	45.9	

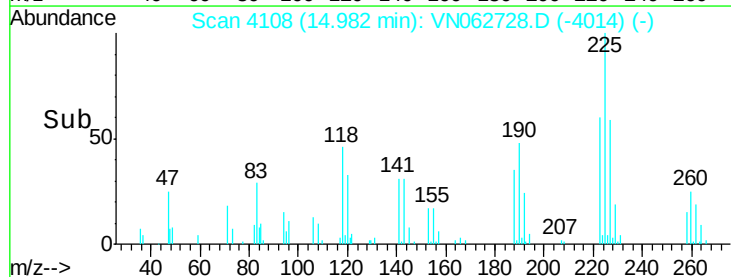
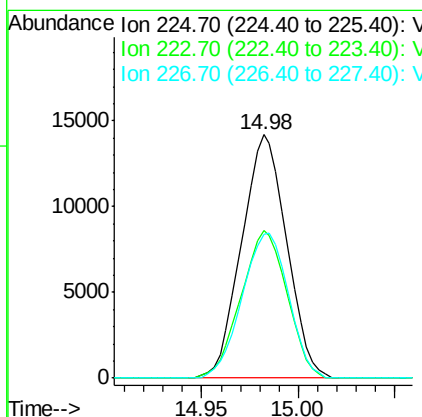
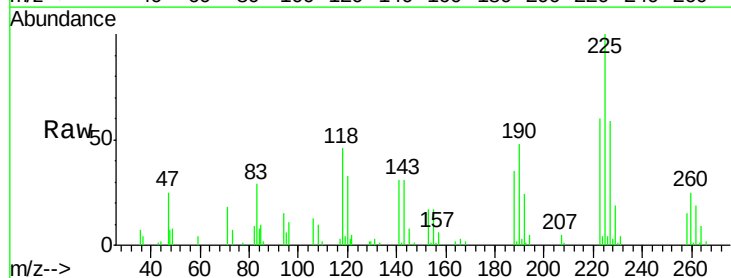
Manual Integrations
 APPROVED

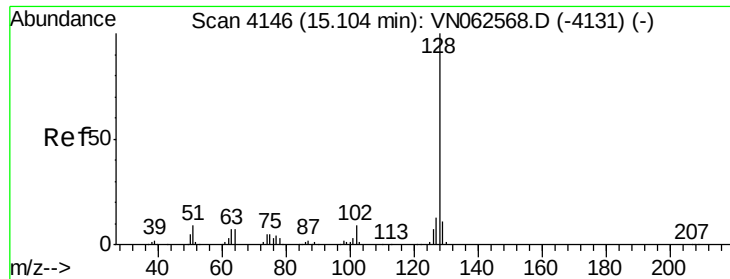
MMDadoda
 8/4/2020 1:52:20 PM



#94
 Hexachlorobutadiene
 Concen: 25.392 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. 0.00 min
 Lab File: VN062728.D
 Acq: 3 Aug 2020 12:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.0	32.0	96.0	
227	61.2	31.1	93.2	





#95

Naphthalene

Concen: 18.726 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN062728.D

Acq: 3 Aug 2020 12:07

Instrument :

MSVOA_N

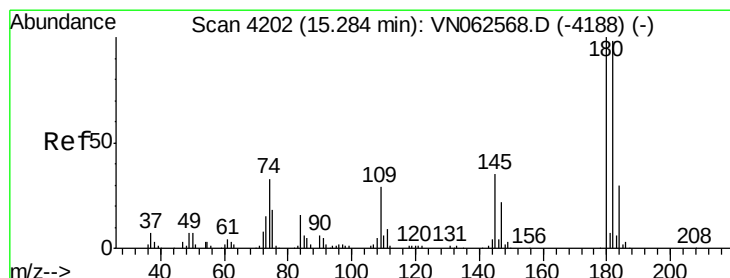
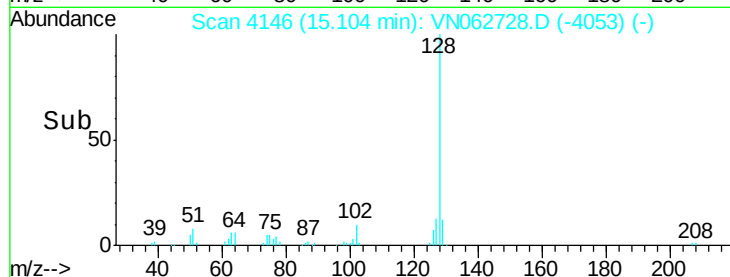
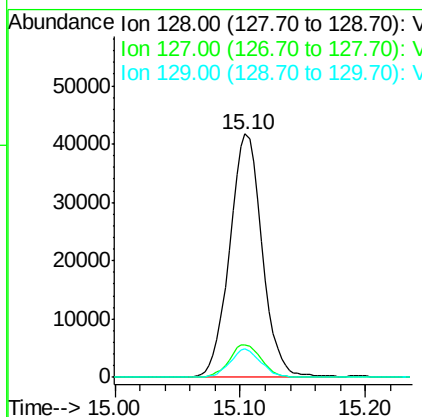
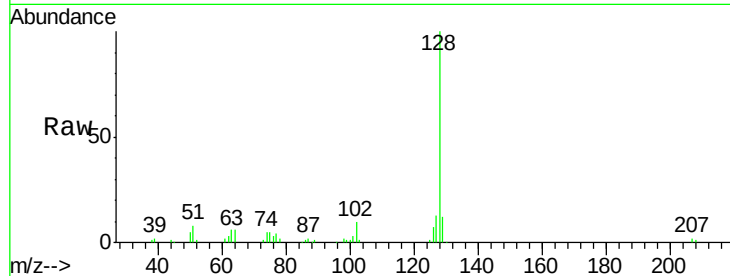
ClientSampleId :

VN0803WBS01

Tot Ion:	128	Resp:	75079
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
8/4/2020 1:52:20 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.036 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. -0.00 min

Lab File: VN062728.D

Acq: 3 Aug 2020 12:07

Tgt Ion:	180	Resp:	29843
Ion Ratio	Lower	Upper	
180	100		
182	100.4	48.1	144.3
145	35.3	16.7	50.1

