

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070920\
 Data File : VN062459.D
 Acq On : 9 Jul 2020 16:58
 Operator : JC/MD
 Sample : VN0709WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBS02

Manual Integrations
 APPROVED

MMDadoda
 7/10/2020 9:23:23 AM

Quant Time: Jul 10 01:31:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 00:55:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	226717	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	391853	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	354609	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	155527	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	175353	50.28	ug/l	0.00
Spiked Amount			Recovery	=	100.56%	
35) Dibromofluoromethane	7.55	113	122811	50.70	ug/l	0.00
Spiked Amount			Recovery	=	101.40%	
50) Toluene-d8	10.06	98	481585	50.36	ug/l	0.00
Spiked Amount			Recovery	=	100.72%	
62) 4-Bromofluorobenzene	12.38	95	174223	49.86	ug/l	0.00
Spiked Amount			Recovery	=	99.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	43414	18.799	ug/l	96
3) Chloromethane	2.03	50	63969	17.263	ug/l	99
4) Vinyl Chloride	2.16	62	57273	18.866	ug/l	100
5) Bromomethane	2.53	94	26139	16.032	ug/l	100
6) Chloroethane	2.67	64	34059	19.263	ug/l	96
7) Trichlorofluoromethane	2.98	101	75744	19.645	ug/l	99
8) Diethyl Ether	3.37	74	33859	19.639	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.72	101	43947	19.228	ug/l	98
10) Methyl Iodide	3.91	142	37556	12.444	ug/l	97
11) Tert butyl alcohol	4.73	59	58972	101.945	ug/l	99
12) 1,1-Dichloroethene	3.69	96	44188	18.989	ug/l	99
13) Acrolein	3.57	56	32124	76.982	ug/l	99
14) Allyl chloride	4.27	41	100290	18.325	ug/l	98
15) Acrylonitrile	4.93	53	144878	95.495	ug/l	100
16) Acetone	3.77	43	137189	92.663	ug/l	98
17) Carbon Disulfide	4.01	76	128624	17.640	ug/l	100
18) Methyl Acetate	4.28	43	68162	18.449	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	172622	19.566	ug/l	99
20) Methylene Chloride	4.50	84	55892	17.657	ug/l	95
21) trans-1,2-Dichloroethene	4.99	96	47816	18.967	ug/l	96
22) Diisopropyl ether	5.90	45	202921	18.767	ug/l	98
23) Vinyl Acetate	5.84	43	849413	94.832	ug/l	100
24) 1,1-Dichloroethane	5.80	63	106896	19.132	ug/l	99
25) 2-Butanone	6.79	43	206415	95.466	ug/l	98
26) 2,2-Dichloropropane	6.78	77	83265	19.436	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	57736	19.773	ug/l	98
28) Bromochloromethane	7.15	49	57571	18.966	ug/l	96
29) Tetrahydrofuran	7.17	42	138629	95.232	ug/l	99
30) Chloroform	7.33	83	96978	19.223	ug/l	99
31) Cyclohexane	7.61	56	94494	17.840	ug/l	# 94
32) 1,1,1-Trichloroethane	7.53	97	81470	19.415	ug/l	99
36) 1,1-Dichloropropene	7.75	75	73396	18.591	ug/l	99
37) Ethyl Acetate	6.88	43	86101	18.652	ug/l	100
38) Carbon Tetrachloride	7.73	117	68637	19.338	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	80630	19.130	ug/l	95
40) Benzene	8.00	78	218778	18.803	ug/l	99
41) Methacrylonitrile	7.14	41	45333m	23.504	ug/l	
42) 1,2-Dichloroethane	8.09	62	82054	19.260	ug/l	99
43) Isopropyl Acetate	8.13	43	140464	19.262	ug/l	93
44) Trichloroethene	8.80	130	49318	19.104	ug/l	100
45) 1,2-Dichloropropane	9.09	63	63900	18.918	ug/l	98
46) Dibromomethane	9.18	93	37131	19.480	ug/l	99
47) Bromodichloromethane	9.37	83	78917	19.365	ug/l	99
48) Methyl methacrylate	9.17	41	65038	18.181	ug/l	97
49) 1,4-Dioxane	9.17	88	21780	418.313	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	424707	97.507	ug/l	100
52) Toluene	10.12	92	130156	19.367	ug/l	97
53) t-1,3-Dichloropropene	10.35	75	89423	19.586	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	95149	18.888	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	52899	20.013	ug/l	98
56) Ethyl methacrylate	10.40	69	86377	18.860	ug/l	98
57) 1,3-Dichloropropane	10.68	76	96742	19.810	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	150011	95.661	ug/l	98
59) 2-Hexanone	10.72	43	305753	96.694	ug/l	98
60) Dibromochloromethane	10.87	129	55026	19.199	ug/l	99
61) 1,2-Dibromoethane	10.98	107	53227	19.948	ug/l	99
64) Tetrachloroethene	10.60	164	41423	19.685	ug/l	95
65) Chlorobenzene	11.40	112	137186	19.905	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	49498	19.476	ug/l	98
67) Ethyl Benzene	11.48	91	252100	19.487	ug/l	98
68) m/p-Xylenes	11.59	106	179973	39.298	ug/l	98
69) o-Xylene	11.92	106	87042	19.521	ug/l	99
70) Styrene	11.94	104	146569	19.889	ug/l	99
71) Bromoform	12.10	173	36640	19.666	ug/l #	99
73) Isopropylbenzene	12.22	105	235488	19.567	ug/l	99
74) N-amyl acetate	12.05	43	112901	19.274	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	79380	19.616	ug/l	96
76) 1,2,3-Trichloropropane	12.53	75	69489m	18.209	ug/l	
77) Bromobenzene	12.50	156	53331	19.492	ug/l	97
78) n-propylbenzene	12.56	91	274530	19.528	ug/l	100
79) 2-Chlorotoluene	12.65	91	167172	19.593	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	199343	20.205	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	25804	18.099	ug/l	99
82) 4-Chlorotoluene	12.75	91	168989	19.509	ug/l	99
83) tert-Butylbenzene	12.97	119	164974	19.704	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	195982	19.985	ug/l	100
85) sec-Butylbenzene	13.15	105	220043	19.833	ug/l	100
86) p-Isopropyltoluene	13.26	119	192274	20.080	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	93507	19.811	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	91519	18.844	ug/l	97
89) n-Butylbenzene	13.59	91	162996	19.278	ug/l	99
90) Hexachloroethane	13.85	117	35367	18.776	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	91596	20.071	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	14708	19.917	ug/l	98

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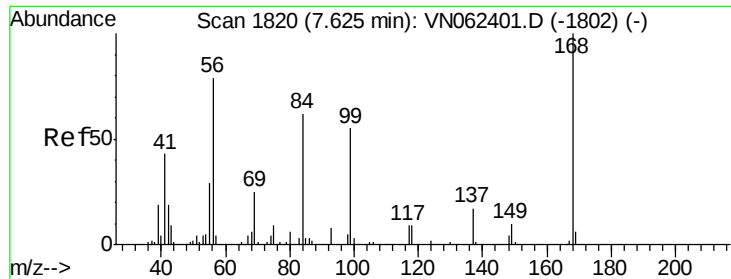
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	41047	18.977	ug/l	99
94) Hexachlorobutadiene	14.98	225	24445	20.174	ug/l	99
95) Naphthalene	15.10	128	111174	20.129	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	42513	19.406	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

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Instrument :

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ClientSampleId :

VN0709WBS02

Tot Ion:168 Resp: 226717

Ion Ratio Lower Upper

168 100

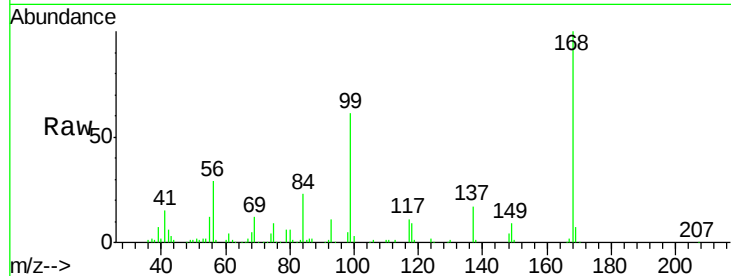
99 60.7 48.8 73.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

100000

80000

60000

40000

20000

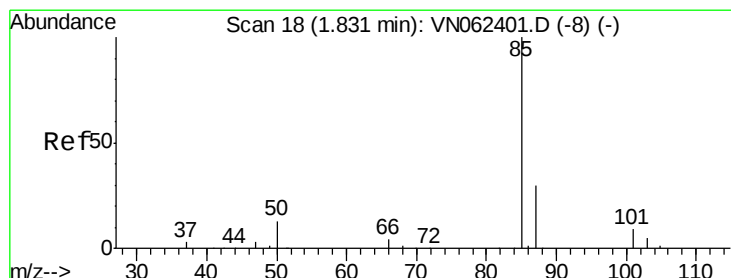
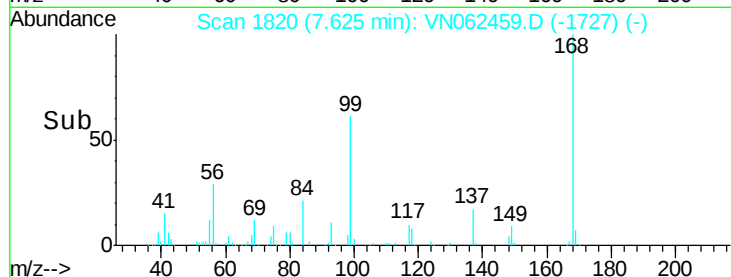
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Time-->

7.50

7.60

7.70



#2

Dichlorodifluoromethane

Concen: 18.799 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN062459.D

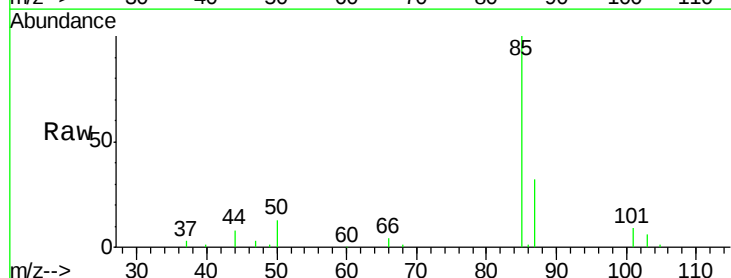
Acq: 9 Jul 2020 16:58

Tgt Ion: 85 Resp: 43414

Ion Ratio Lower Upper

85 100

87 32.5 15.2 45.5



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.83

30000

20000

10000

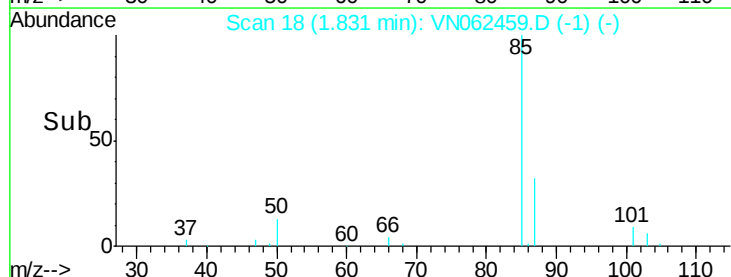
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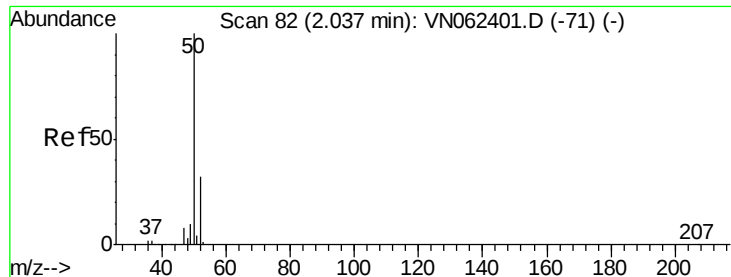
Time-->

1.80

1.85

1.90





#3

Chloromethane

Concen: 17.263 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN062459.D

Acq: 9 Jul 2020 16:58

Instrument :

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ClientSampleId :

VN0709WBS02

Tot Ion: 50 Resp: 63969

Ion Ratio Lower Upper

50 100

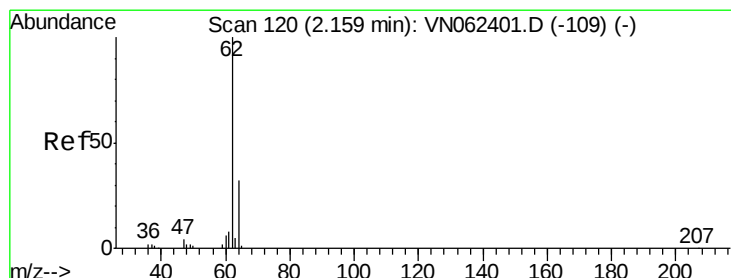
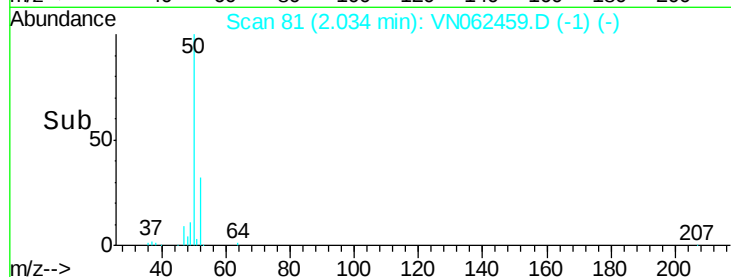
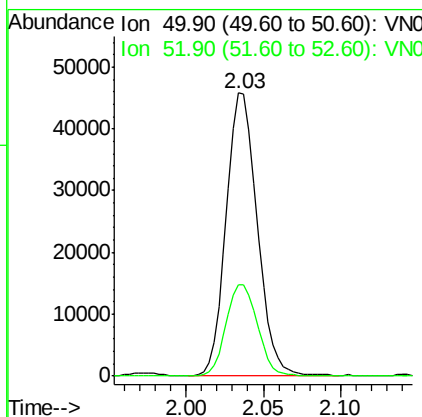
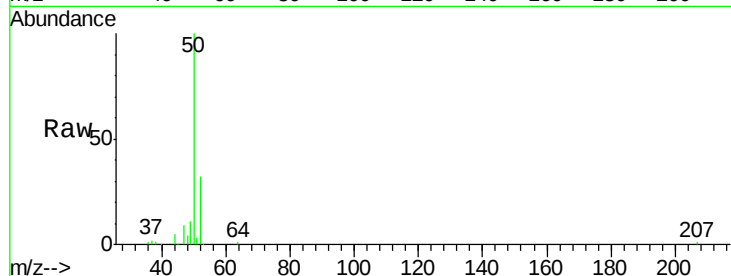
52 32.3 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.866 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062459.D

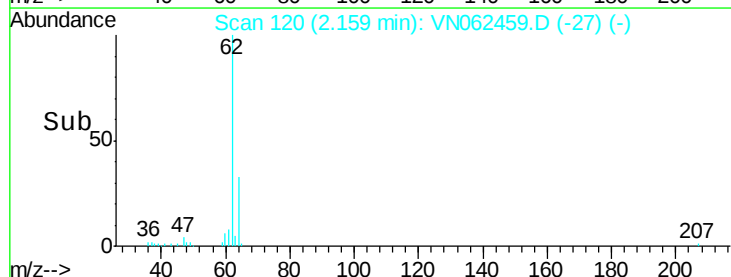
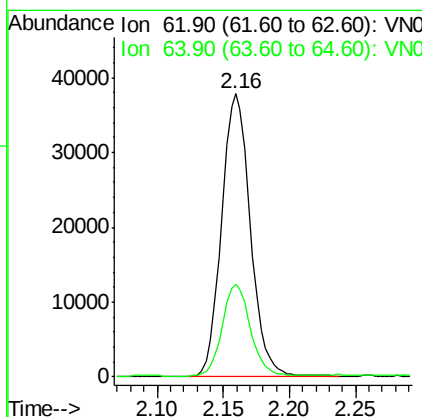
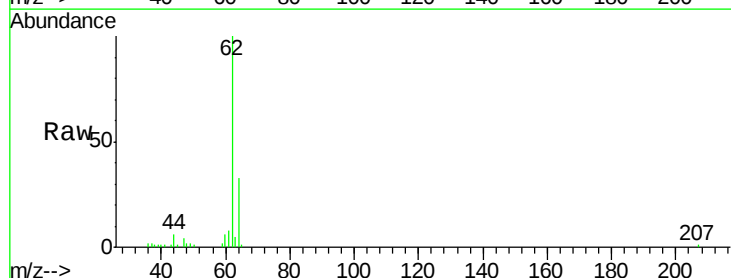
Acq: 9 Jul 2020 16:58

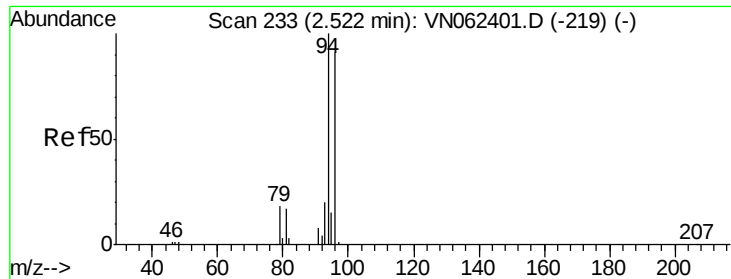
Tgt Ion: 62 Resp: 57273

Ion Ratio Lower Upper

62 100

64 32.2 25.7 38.5





#5

Bromomethane

Concen: 16.032 ug/l

RT: 2.53 min Scan# 234

Delta R.T. 0.00 min

Lab File: VN062459.D

Acq: 9 Jul 2020 16:58

Instrument :

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Tot Ion: 94 Resp: 26139

Ion Ratio Lower Upper

94 100

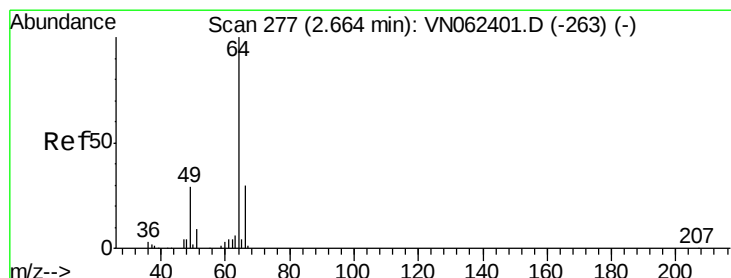
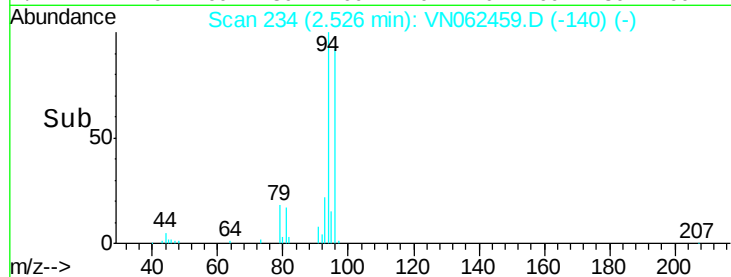
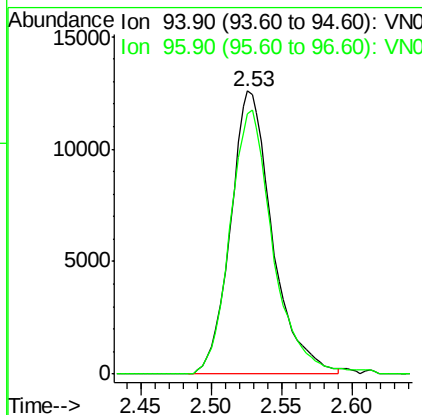
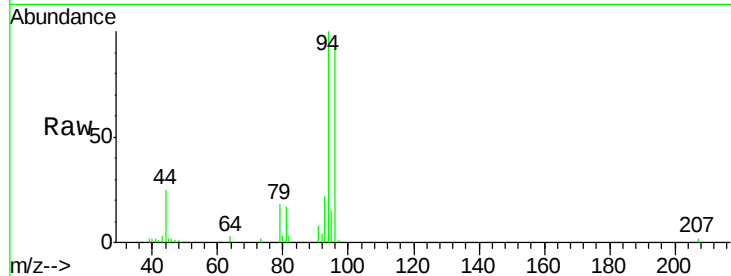
96 91.9 73.2 109.8

Manual Integrations

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#6

Chloroethane

Concen: 19.263 ug/l

RT: 2.67 min Scan# 278

Delta R.T. 0.00 min

Lab File: VN062459.D

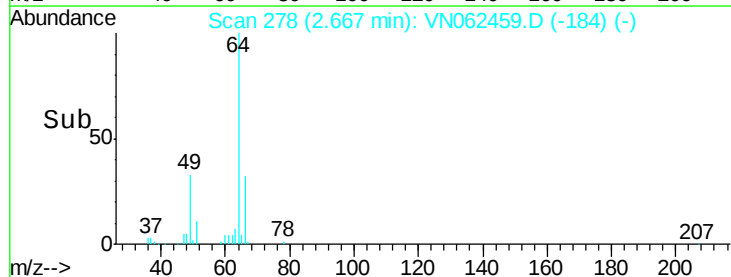
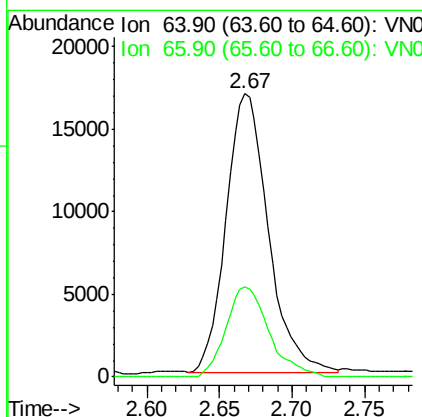
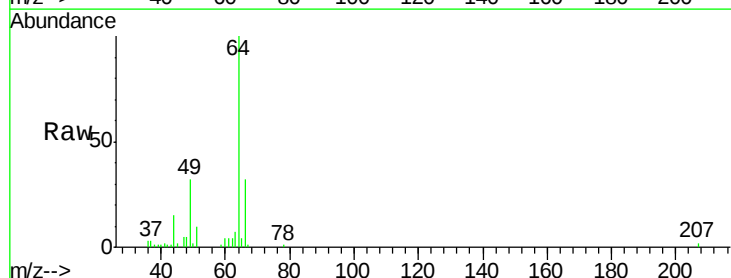
Acq: 9 Jul 2020 16:58

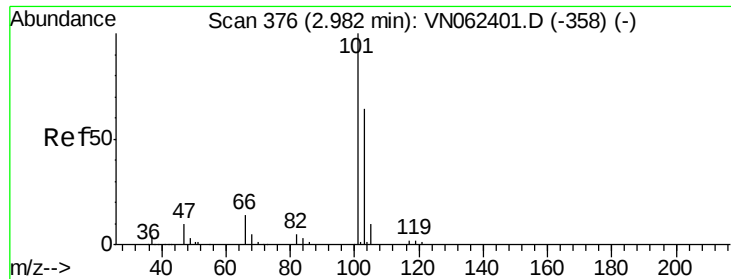
Tgt Ion: 64 Resp: 34059

Ion Ratio Lower Upper

64 100

66 32.2 24.2 36.2





#7

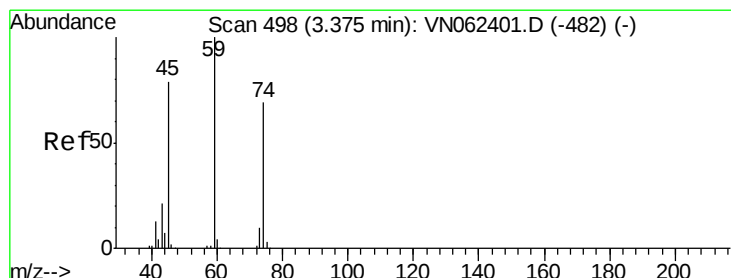
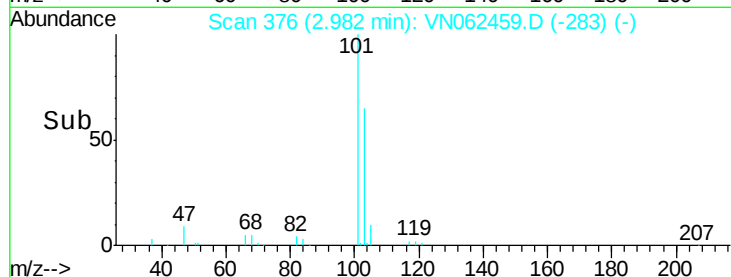
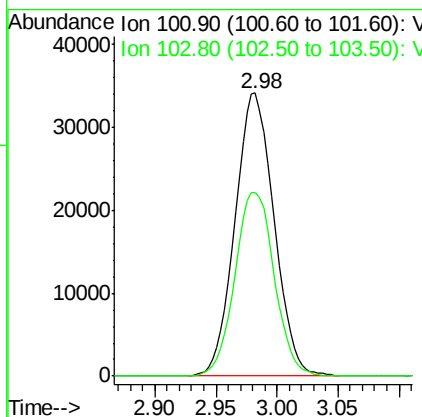
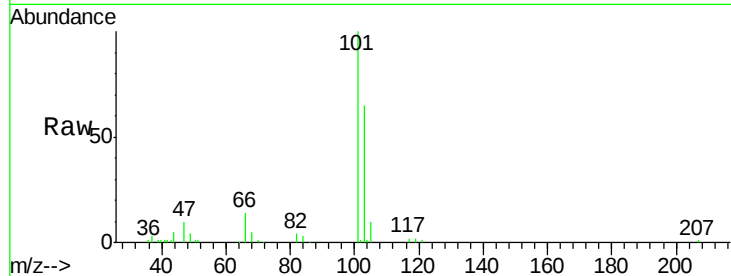
Trichlorofluoromethane
 Concen: 19.645 ug/l
 RT: 2.98 min Scan# 376
 Delta R.T. 0.00 min
 Lab File: VN062459.D
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		75744		
103	64.9	51.6	77.4		

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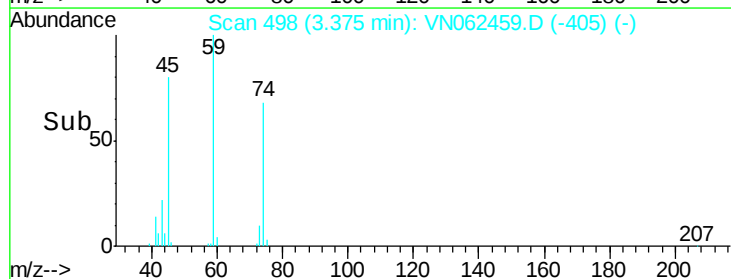
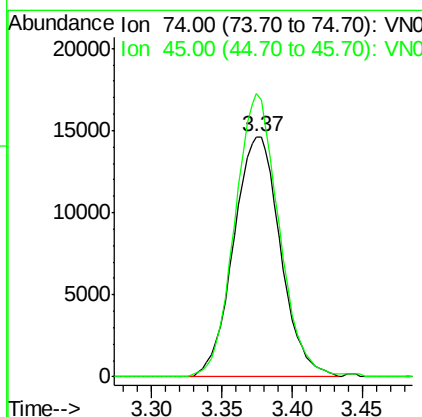
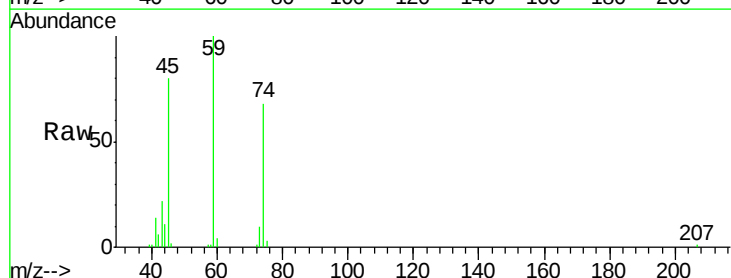
MMDadoda
 7/10/2020 9:23:23 AM

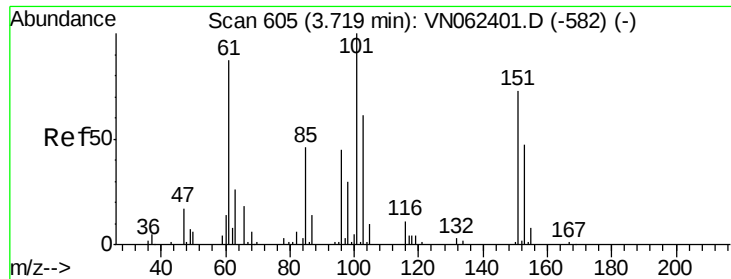


#8

Diethyl Ether
 Concen: 19.639 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: VN062459.D
 Acq: 9 Jul 2020 16:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		33859		
45	111.6	58.5	175.3		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.228 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN062459.D

Acq: 9 Jul 2020 16:58

Instrument :

MSVOA_N

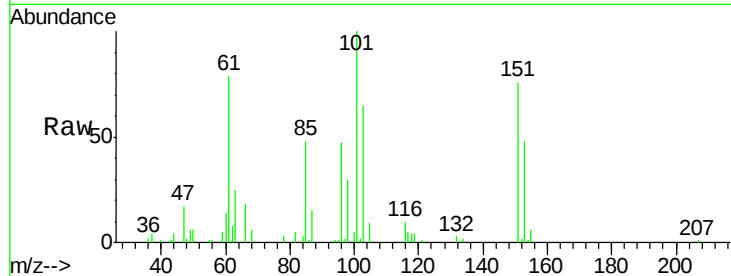
ClientSampleId :

VN0709WBS02

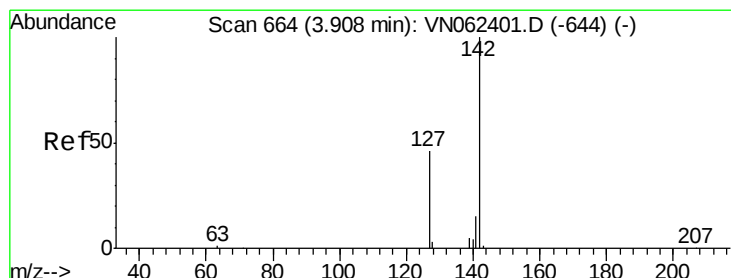
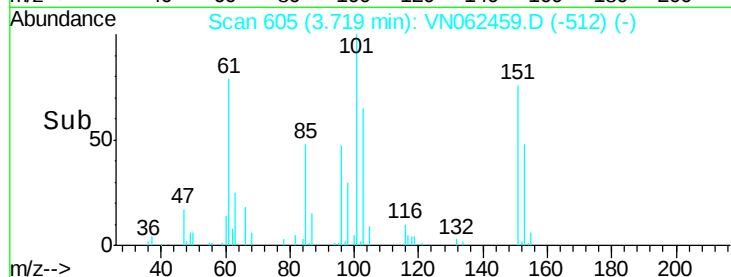
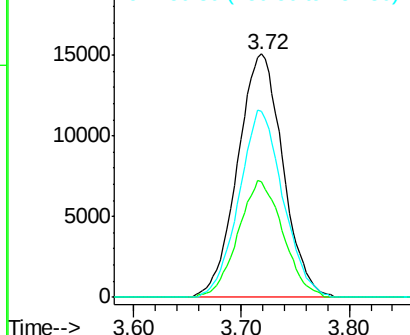
Tot Ion:	101	Resp:	43947
Ion Ratio	Lower	Upper	
101	100		
85	47.3	36.7	55.1
151	74.9	58.3	87.5

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



#10

Methyl Iodide

Concen: 12.444 ug/l

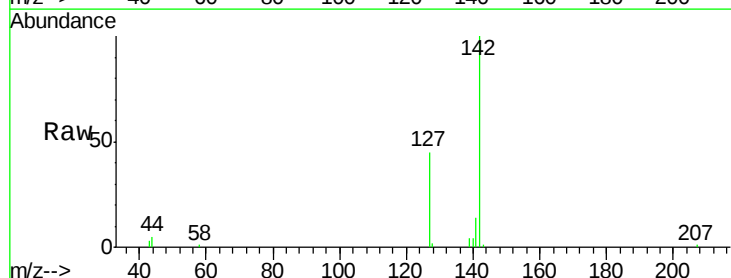
RT: 3.91 min Scan# 664

Delta R.T. 0.00 min

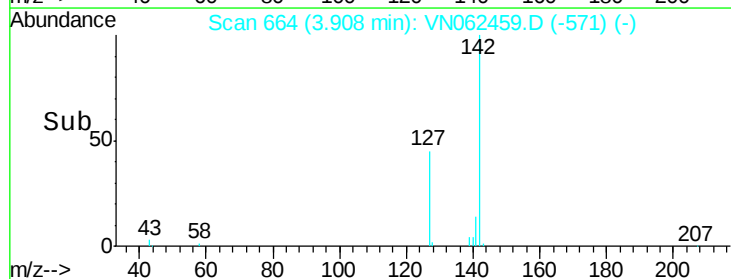
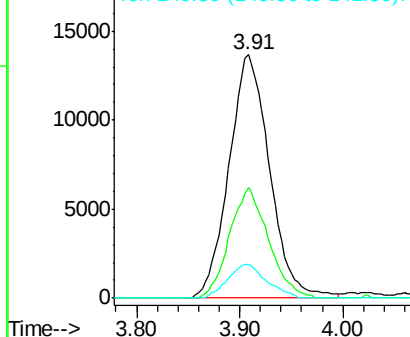
Lab File: VN062459.D

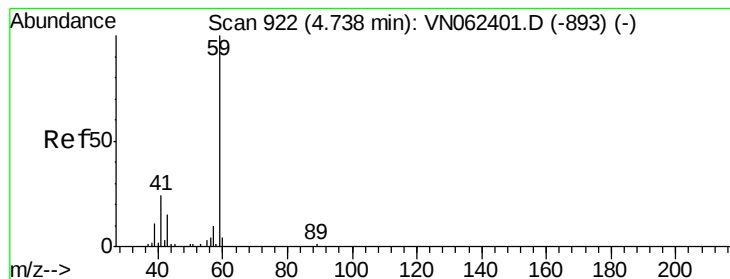
Acq: 9 Jul 2020 16:58

Tgt Ion:	142	Resp:	37556
Ion Ratio	Lower	Upper	
142	100		
127	43.2	36.1	54.1
141	13.3	11.4	17.0



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





#11

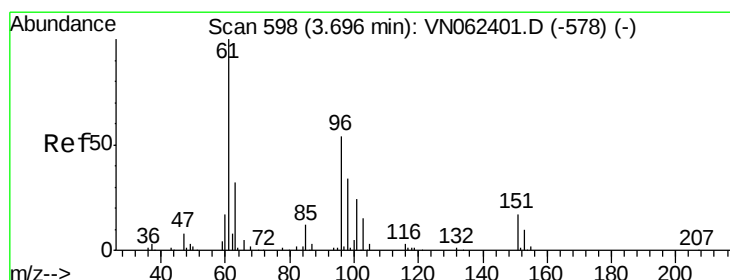
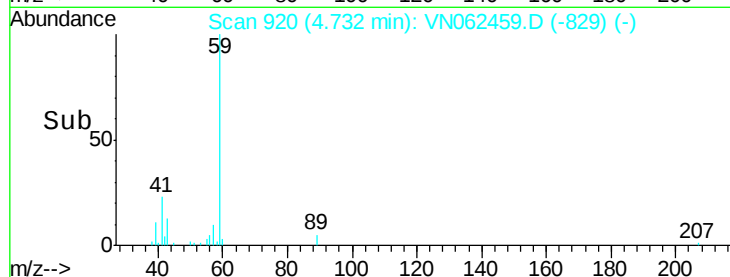
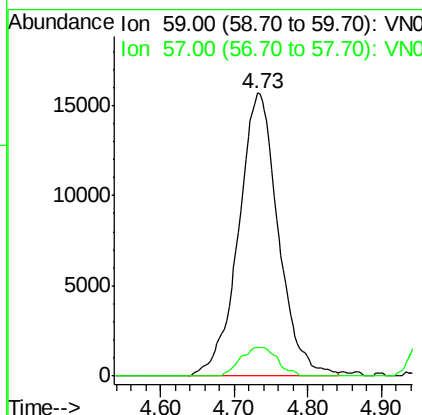
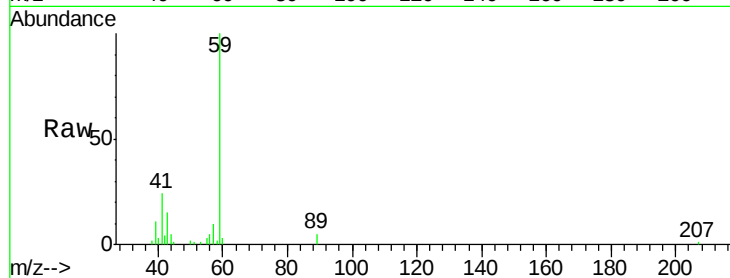
Tert butyl alcohol
 Concen: 101.945 ug/l
 RT: 4.73 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VN062459.D
 Acq: 9 Jul 2020 16:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBS02

Tot Ion	59	Resp	58972
Ion Ratio	100	Lower	Upper
59	100		
57	9.5	7.8	11.6

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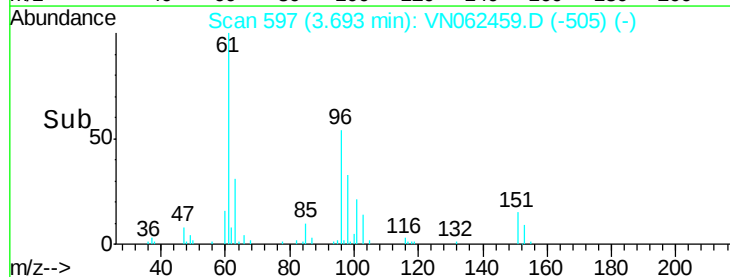
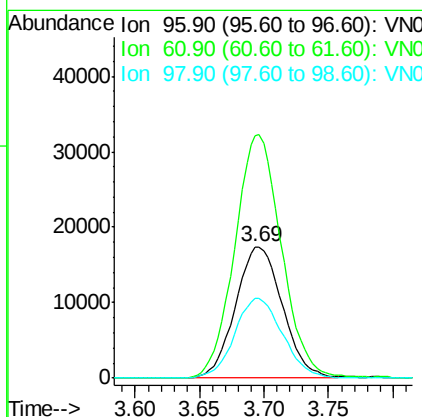
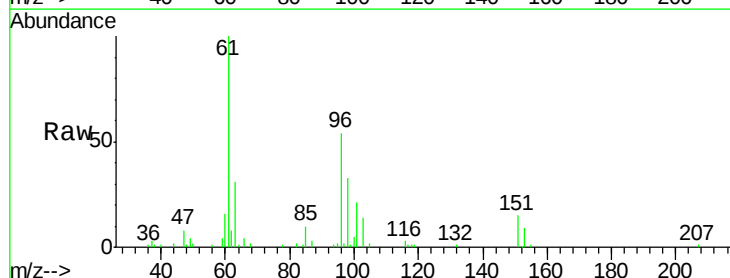
MMDadoda
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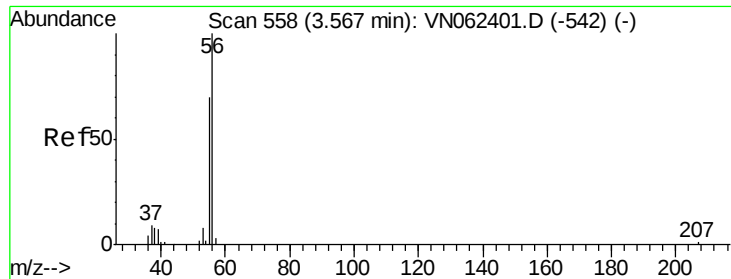


#12

1,1-Dichloroethene
 Concen: 18.989 ug/l
 RT: 3.69 min Scan# 597
 Delta R.T. -0.00 min
 Lab File: VN062459.D
 Acq: 9 Jul 2020 16:58

Tgt Ion	96	Resp	44188
Ion Ratio	100	Lower	Upper
96	100		
61	185.2	147.4	221.0
98	60.8	50.4	75.6





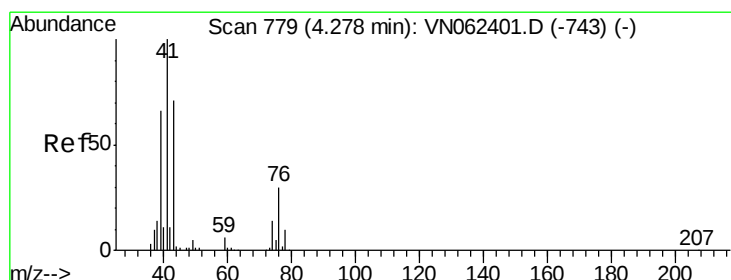
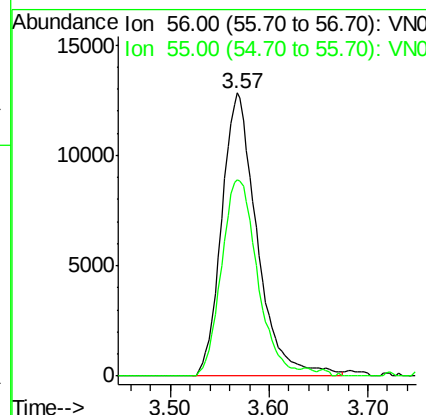
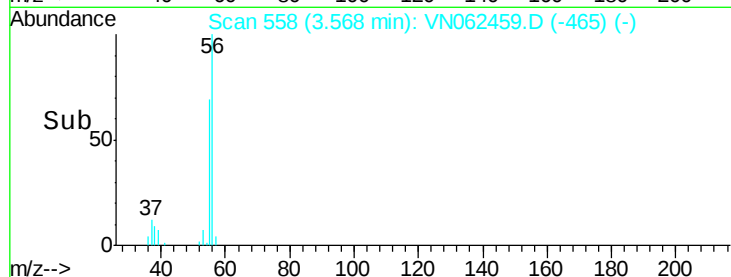
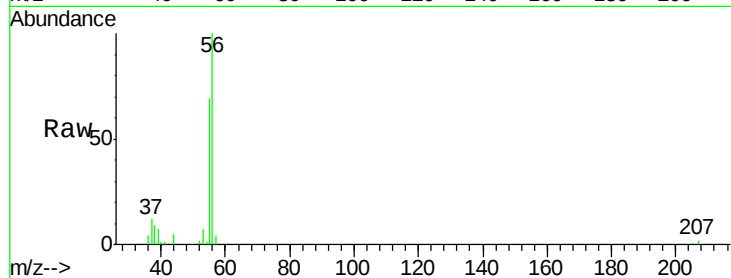
#13
Acrolein
Concen: 76.982 ug/l
RT: 3.57 min Scan# 558
Delta R.T. 0.00 min
Lab File: VN062459.D
Acq: 9 Jul 2020 16:58

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBS02

Tot Ion	56	Resp	32124
Ion Ratio	100	Lower	Upper
56	100		
55	70.3	57.2	85.8

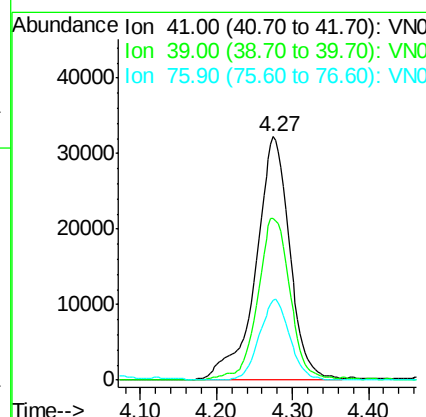
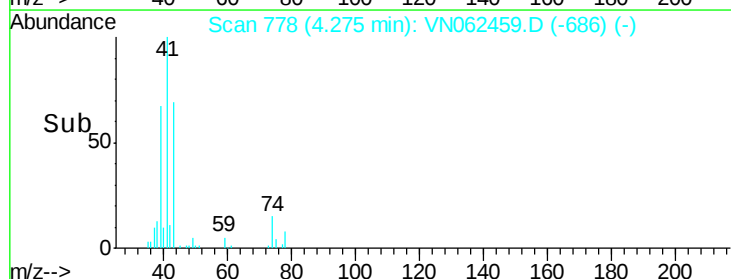
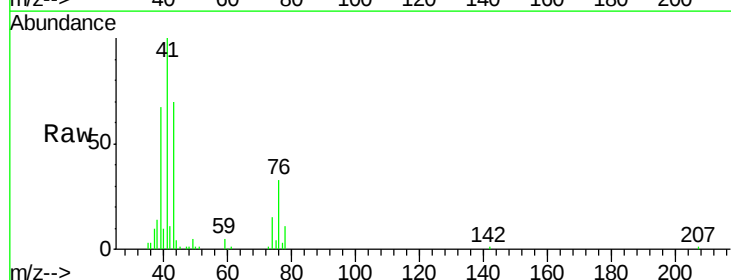
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#14
Allyl chloride
Concen: 18.325 ug/l
RT: 4.27 min Scan# 778
Delta R.T. -0.00 min
Lab File: VN062459.D
Acq: 9 Jul 2020 16:58

Tgt Ion	41	Resp	100290
Ion Ratio	100	Lower	Upper
41	100		
39	63.4	49.6	74.4
76	29.4	22.2	33.4





#15

Acrylonitrile

Concen: 95.495 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN062459.D

Acq: 9 Jul 2020 16:58

Instrument :

MSVOA_N

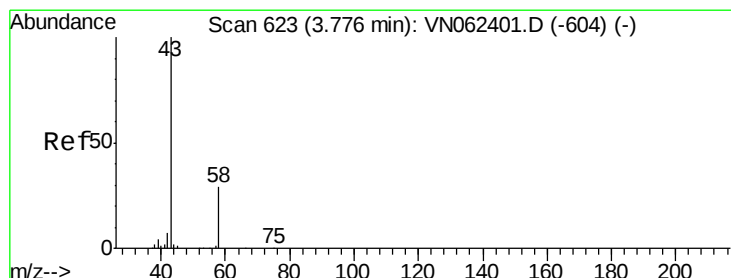
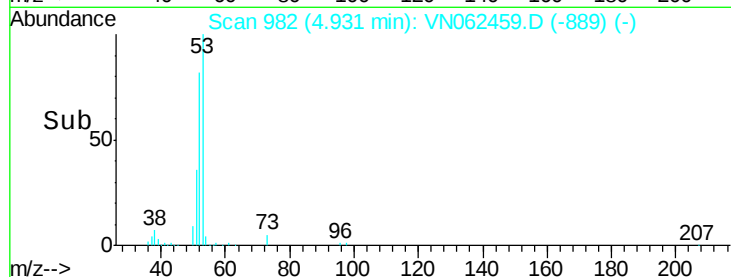
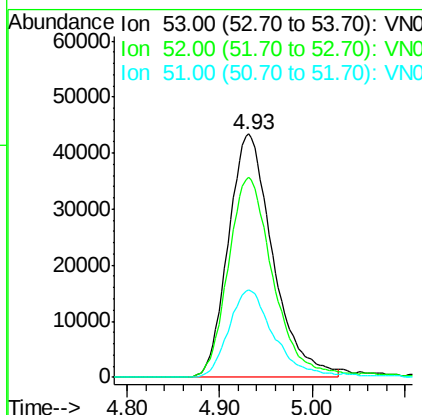
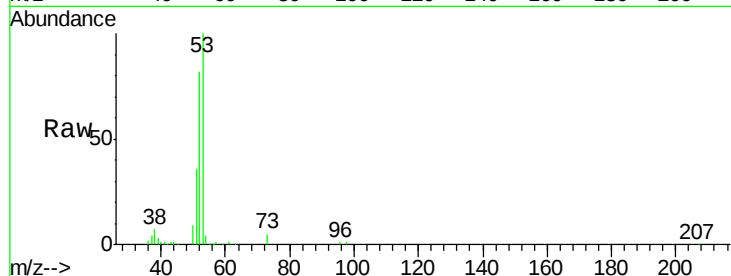
ClientSampleId :

VN0709WBS02

Tot Ion:	53	Resp:	144878
Ion Ratio	Lower	Upper	
53	100		
52	82.9	66.2	99.4
51	36.3	28.7	43.1

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#16

Acetone

Concen: 92.663 ug/l

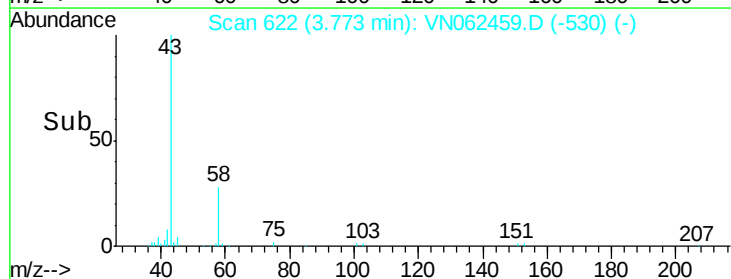
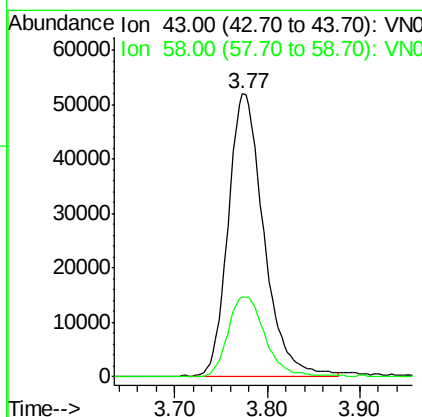
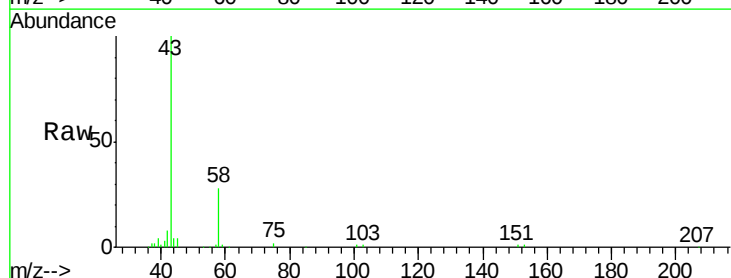
RT: 3.77 min Scan# 622

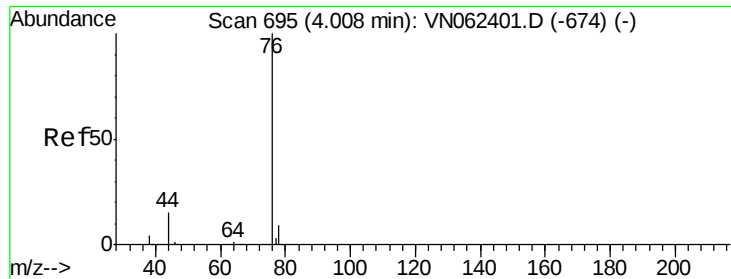
Delta R.T. -0.00 min

Lab File: VN062459.D

Acq: 9 Jul 2020 16:58

Tgt Ion:	43	Resp:	137189
Ion Ratio	Lower	Upper	
43	100		
58	28.2	23.5	35.3





#17

Carbon Disulfide

Concen: 17.640 ug/l

RT: 4.01 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN062459.D

Acq: 9 Jul 2020 16:58

Instrument :

MSVOA_N

ClientSampleId :

VN0709WBS02

Tot Ion: 76 Resp: 128624

Ion Ratio Lower Upper

76 100

78 9.1

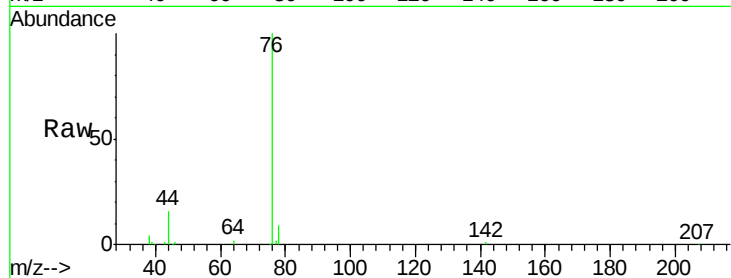
7.3 10.9

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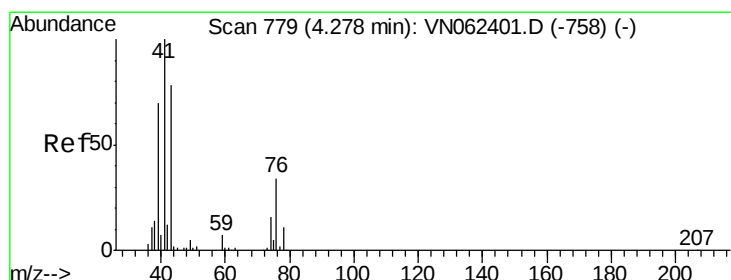
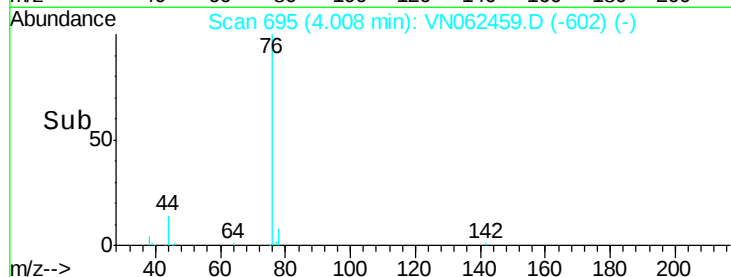
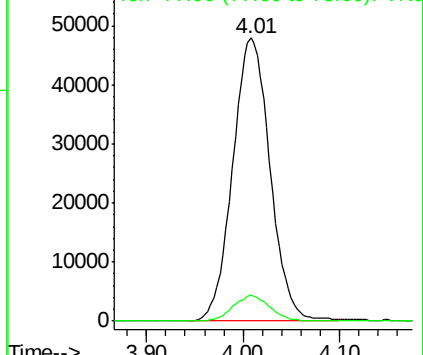
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Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC



#18

Methyl Acetate

Concen: 18.449 ug/l

RT: 4.28 min Scan# 780

Delta R.T. 0.00 min

Lab File: VN062459.D

Acq: 9 Jul 2020 16:58

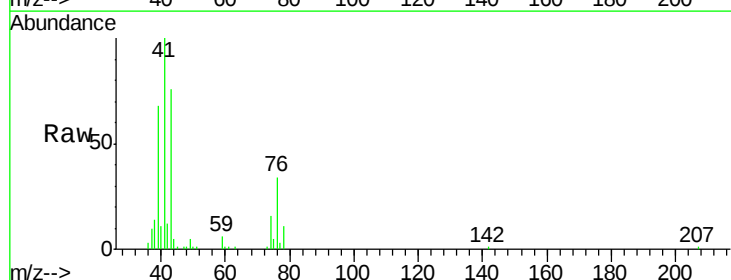
Tgt Ion: 43 Resp: 68162

Ion Ratio Lower Upper

43 100

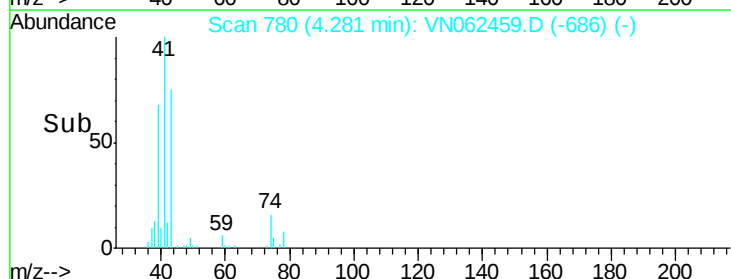
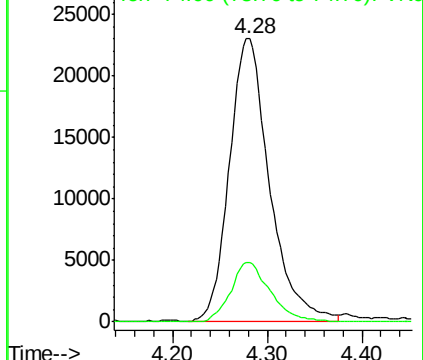
74 20.6

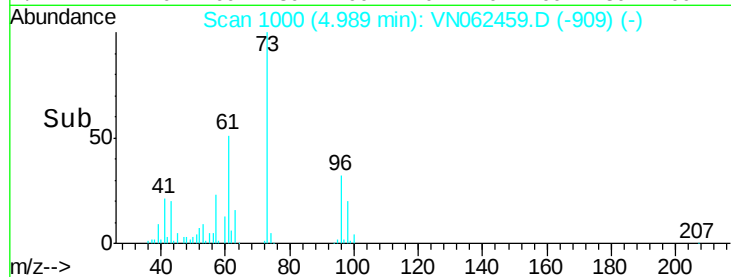
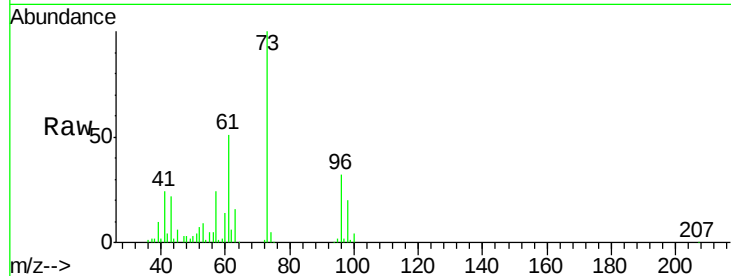
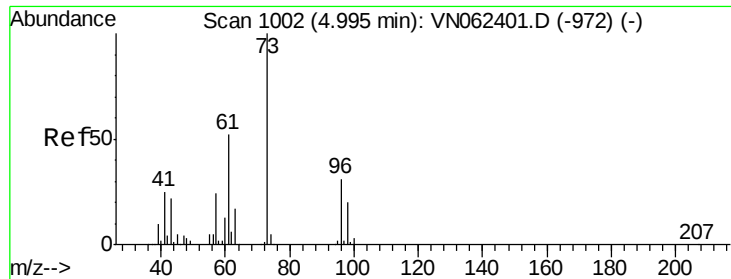
16.0 24.0



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC





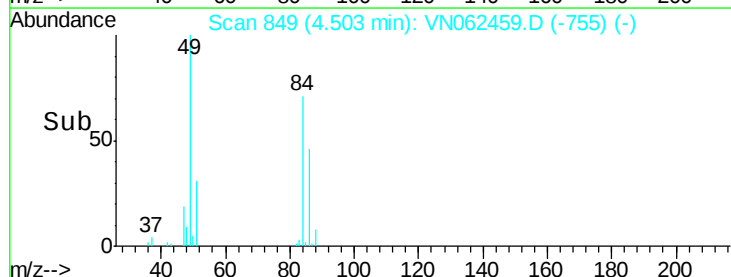
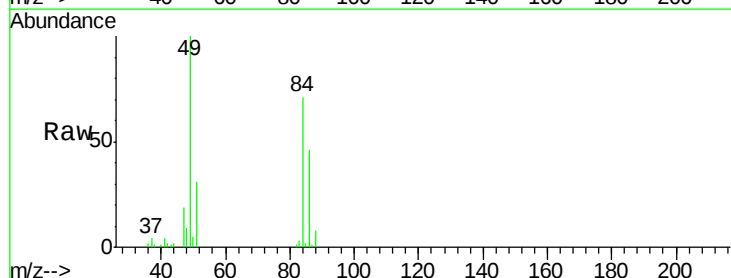
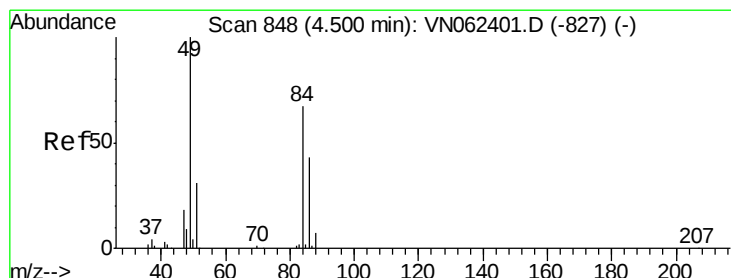
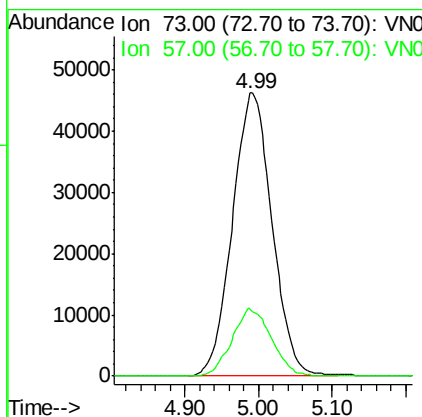
#19
Methvl tert-butvl Ether
Concen: 19.566 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.01 min
Lab File: VN062459.D
Acq: 9 Jul 2020 16:58

Tot Ion: 73 Resp: 172622
Ion Ratio Lower Upper
73 100
57 23.6 19.4 29.0

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBS02

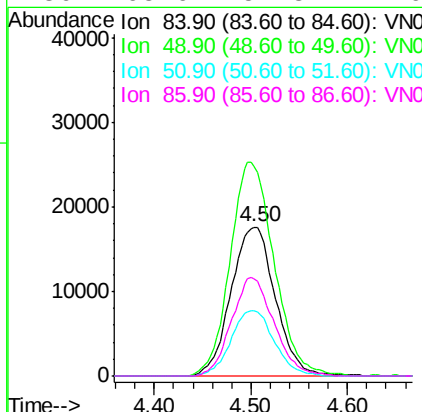
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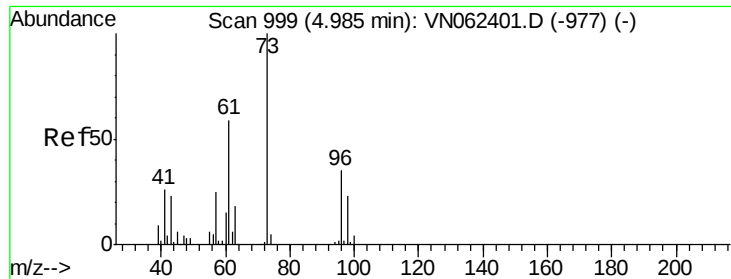
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#20
Methylene Chloride
Concen: 17.657 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN062459.D
Acq: 9 Jul 2020 16:58

Tgt Ion: 84 Resp: 55892
Ion Ratio Lower Upper
84 100
49 141.2 120.0 180.0
51 43.9 37.0 55.6
86 65.6 51.8 77.6





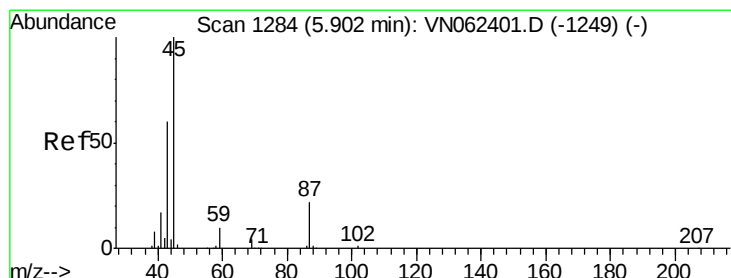
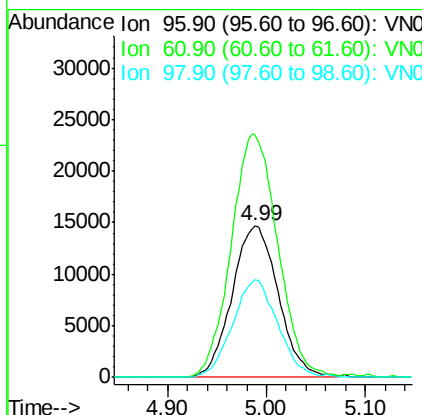
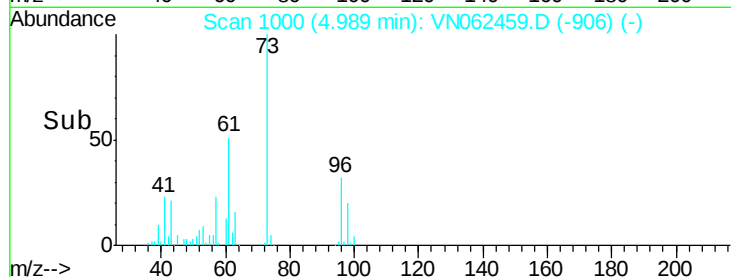
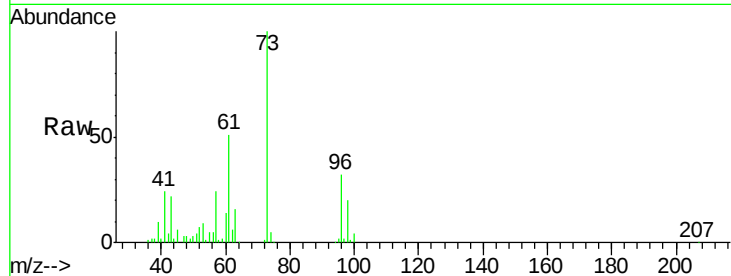
#21
trans-1,2-Dichloroethene
Concen: 18.967 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VN062459.D
Acq: 9 Jul 2020 16:58

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	159.3	133.5	200.3
98	64.2	51.9	77.9

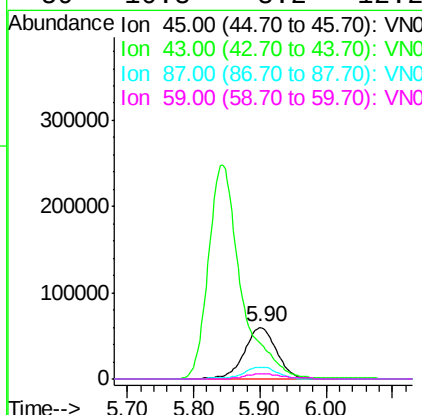
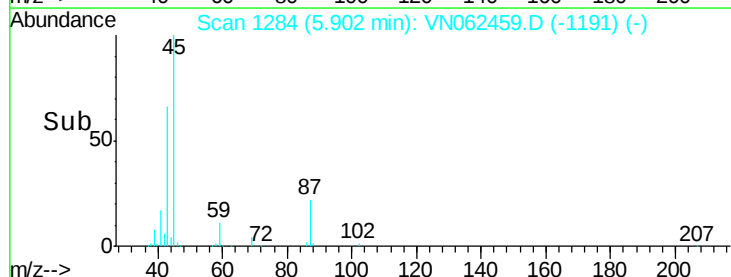
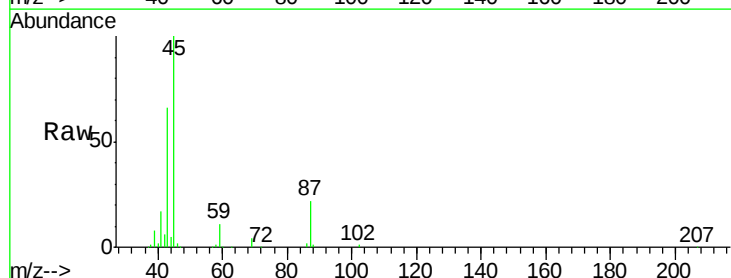
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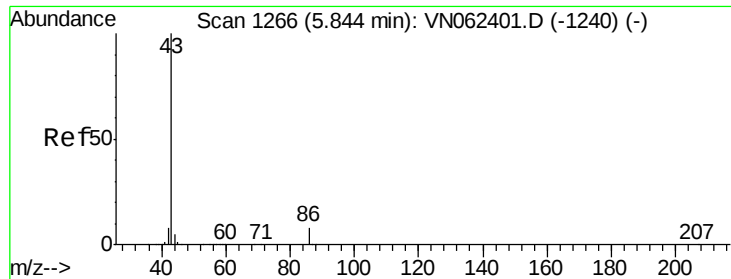
MMDadoda
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#22
Diisopropyl ether
Concen: 18.767 ug/l
RT: 5.90 min Scan# 1284
Delta R.T. 0.00 min
Lab File: VN062459.D
Acq: 9 Jul 2020 16:58

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.1	50.1	75.1
87	22.1	18.2	27.4
59	10.8	8.2	12.2





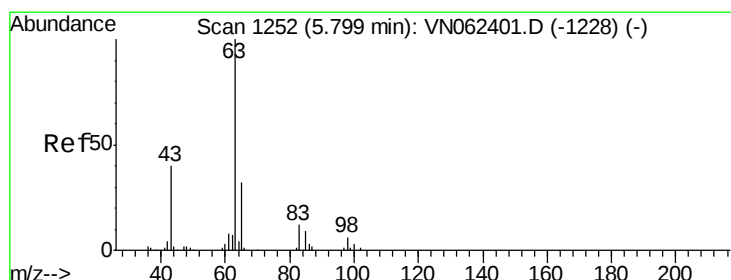
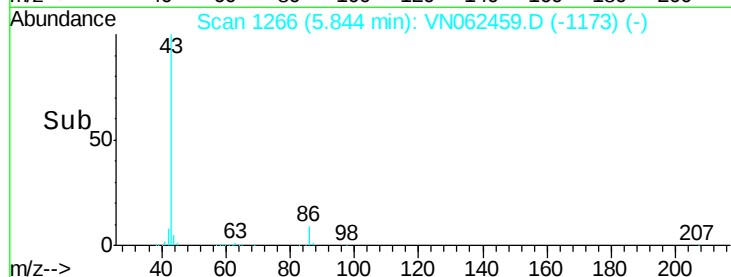
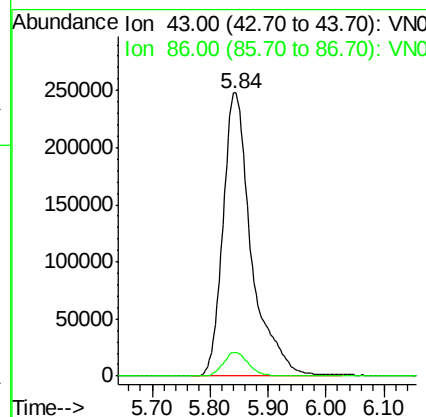
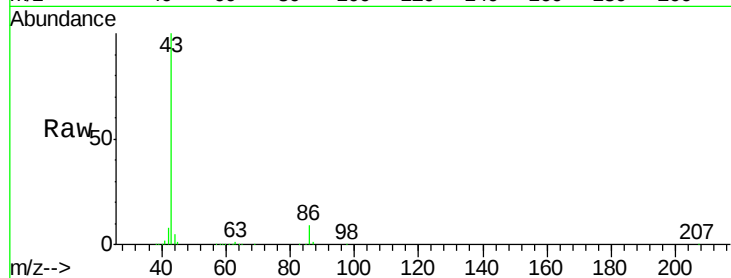
#23
 Vinyl Acetate
 Concen: 94.832 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VN062459.D
 Acq: 9 Jul 2020 16:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBS02

Tot Ion: 43 Resp: 849413
 Ion Ratio Lower Upper
 43 100
 86 8.5 6.7 10.1

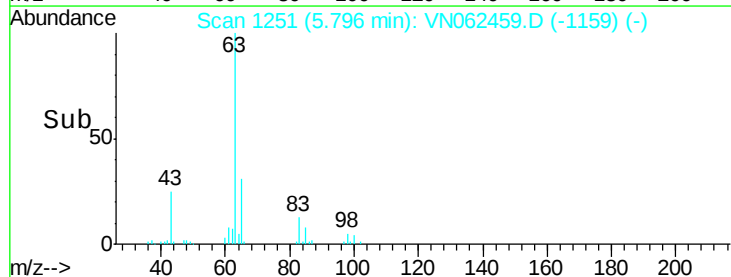
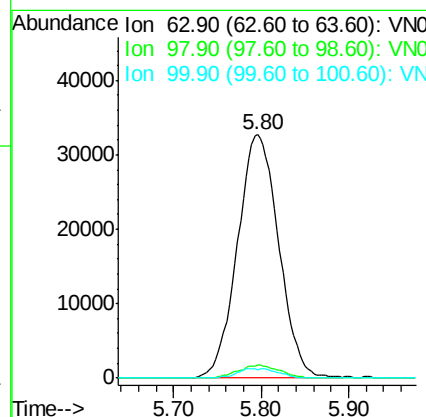
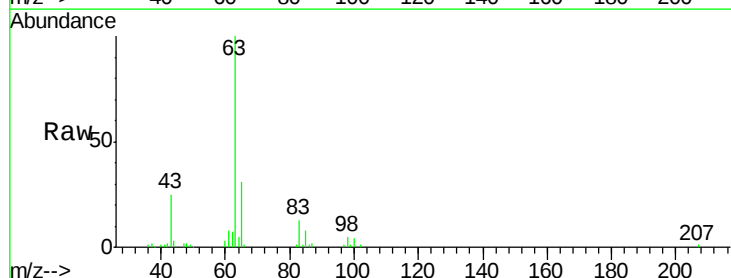
Manual Integrations
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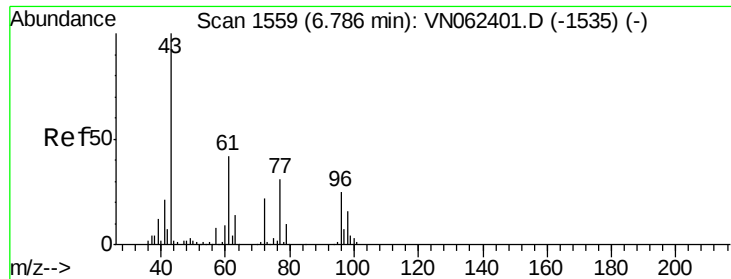
MMDadoda
 7/10/2020 9:23:23 AM



#24
 1,1-Dichloroethane
 Concen: 19.132 ug/l
 RT: 5.80 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VN062459.D
 Acq: 9 Jul 2020 16:58

Tgt Ion: 63 Resp: 106896
 Ion Ratio Lower Upper
 63 100
 98 5.2 2.9 8.8
 100 3.6 1.8 5.3





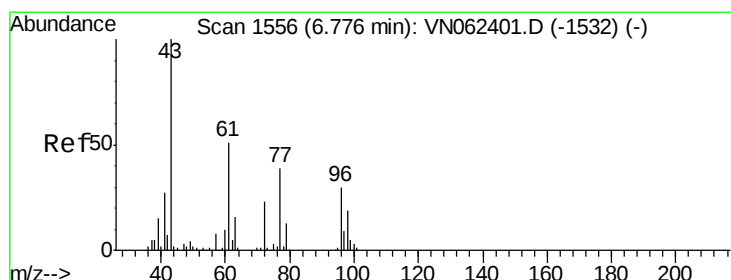
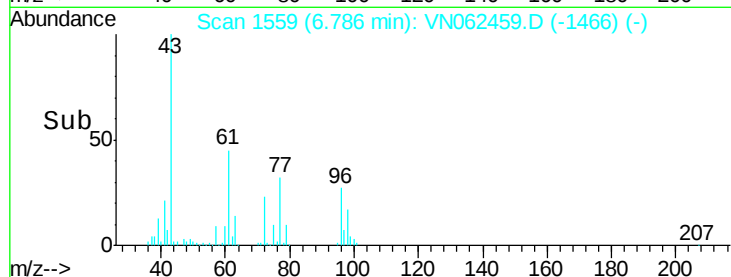
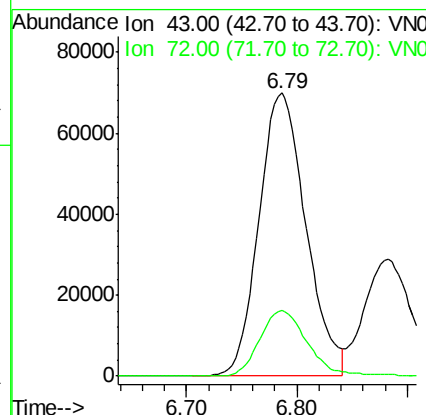
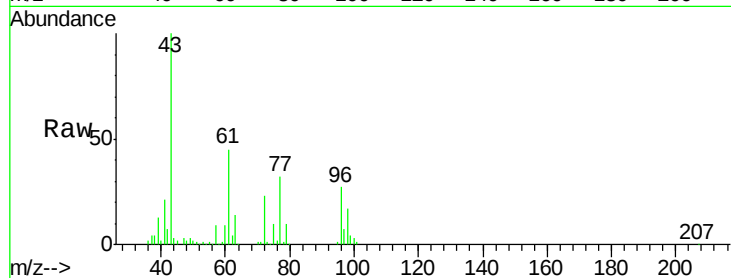
#25
2-Butanone
Concen: 95.466 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VN062459.D
Acq: 9 Jul 2020 16:58

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBS02

Tot Ion: 43 Resp: 206415
Ion Ratio Lower Upper
43 100
72 23.3 17.9 26.9

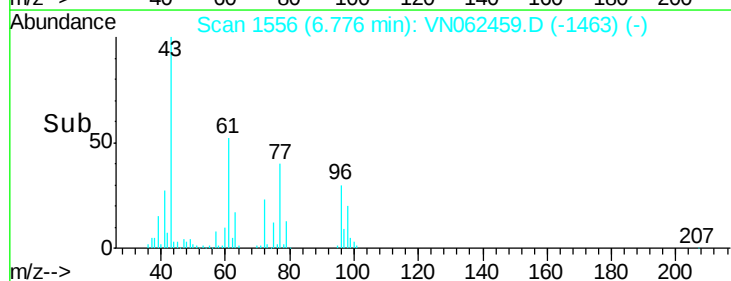
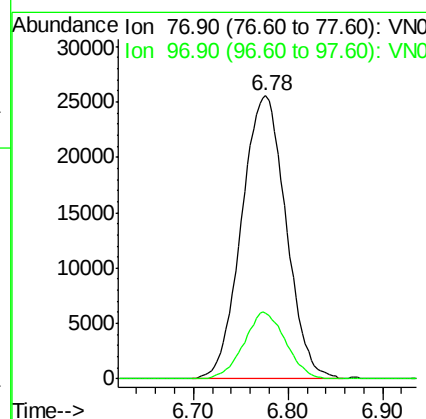
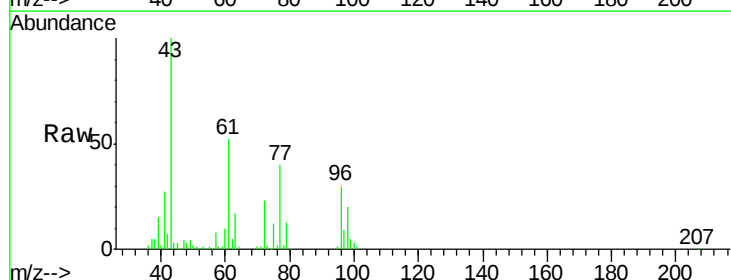
Manual Integrations
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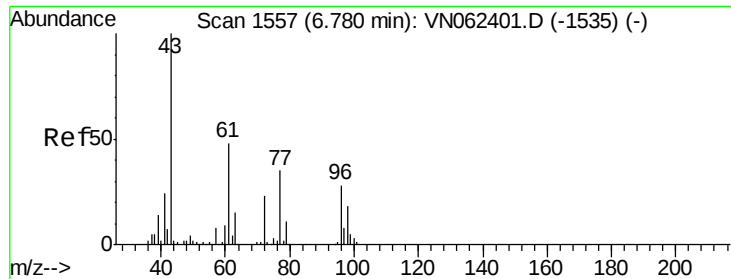
MMDadoda
7/10/2020 9:23:23 AM



#26
2,2-Dichloropropane
Concen: 19.436 ug/l
RT: 6.78 min Scan# 1556
Delta R.T. 0.00 min
Lab File: VN062459.D
Acq: 9 Jul 2020 16:58

Tgt Ion: 77 Resp: 83265
Ion Ratio Lower Upper
77 100
97 22.2 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 19.773 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VN062459.D

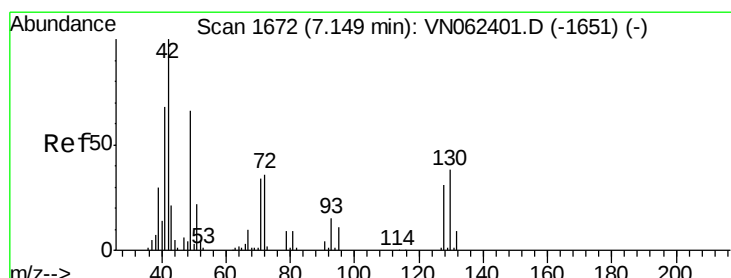
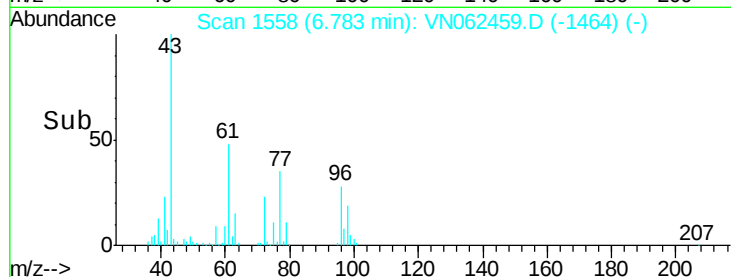
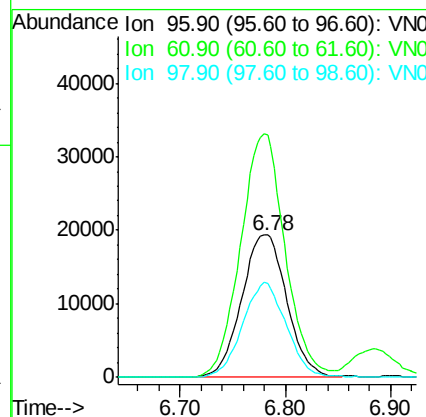
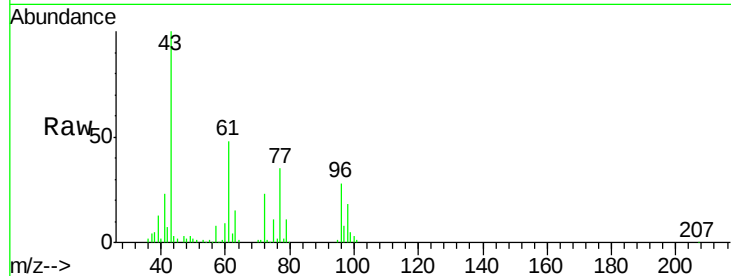
Acq: 9 Jul 2020 16:58

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	168.0	0.0	343.4
98	64.0	0.0	128.4

Manual Integrations
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7/10/2020 9:23:23 AM



#28

Bromochloromethane

Concen: 18.966 ug/l

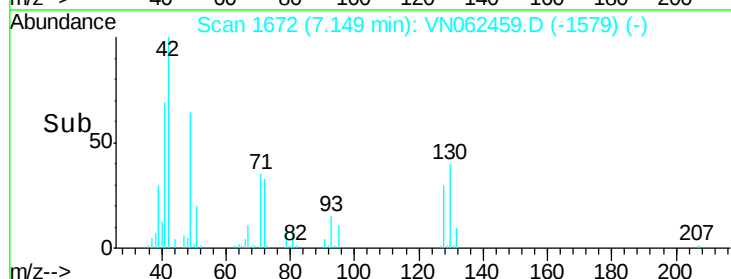
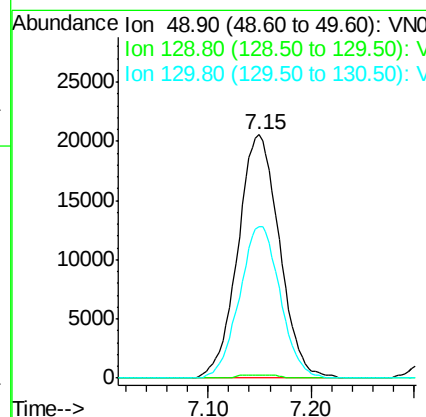
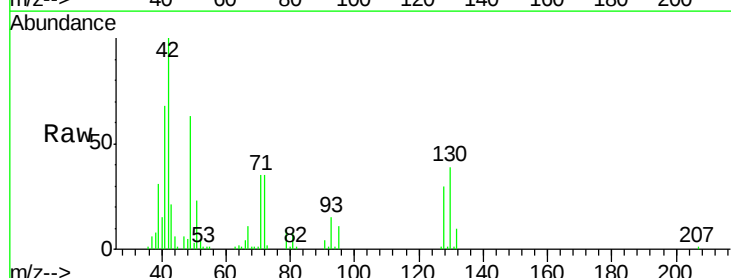
RT: 7.15 min Scan# 1672

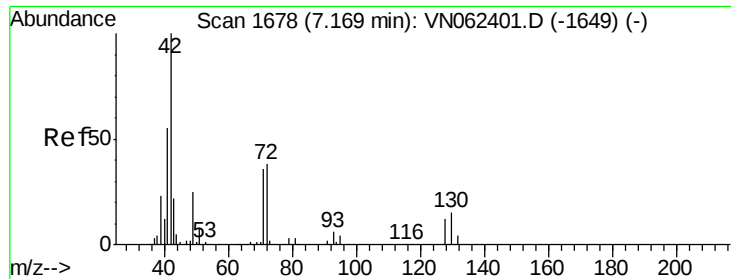
Delta R.T. 0.00 min

Lab File: VN062459.D

Acq: 9 Jul 2020 16:58

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	2.8
130	60.9	46.5	69.7





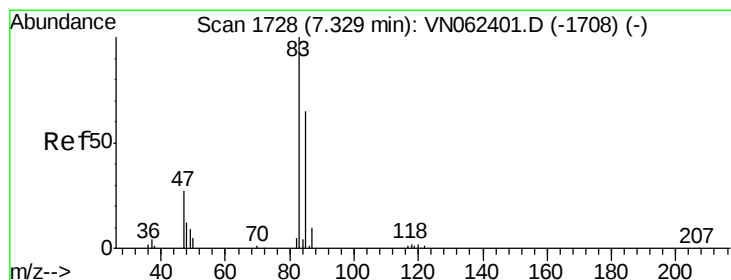
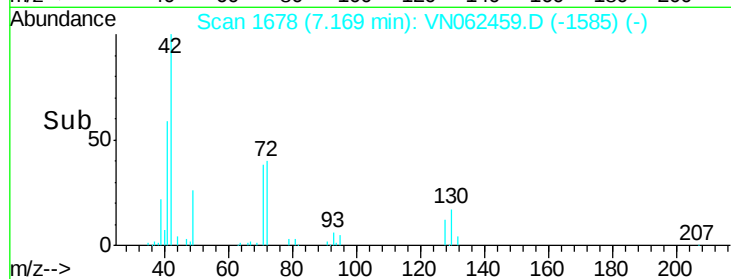
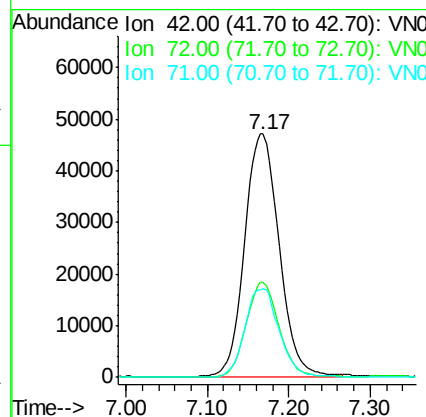
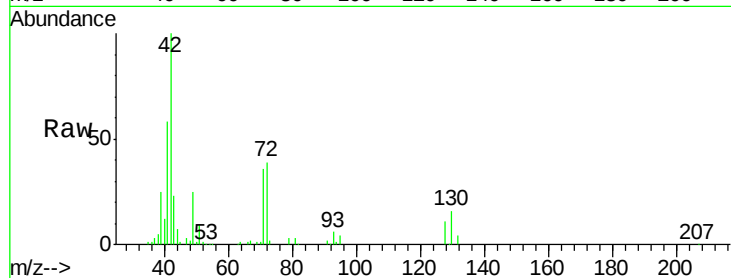
#29
Tetrahydrofuran
Concen: 95.232 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN062459.D
Acq: 9 Jul 2020 16:58

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.1	29.1	43.7
71	35.7	28.1	42.1

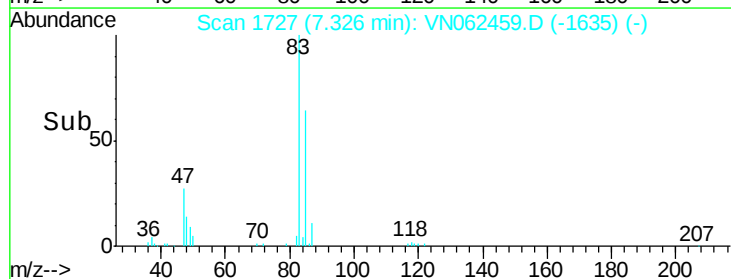
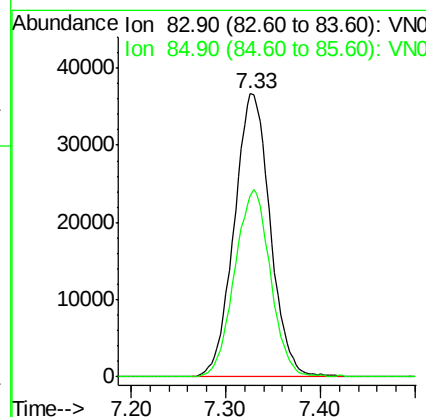
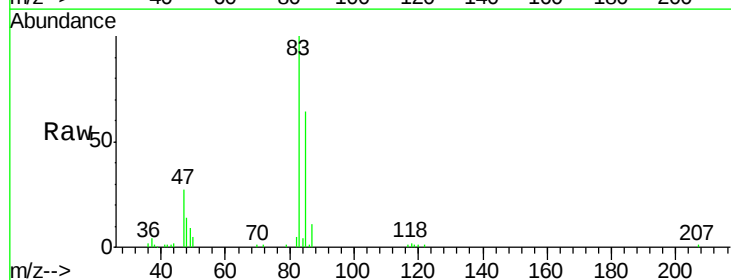
Manual Integrations
APPROVED

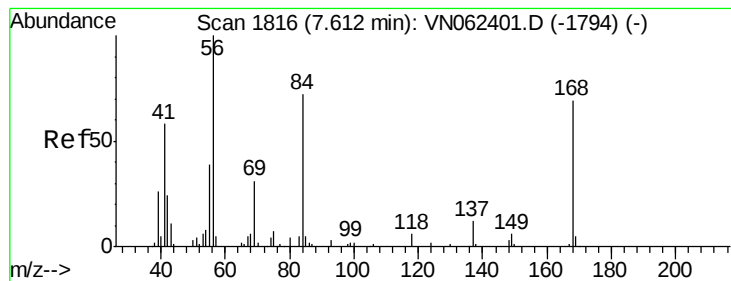
MMDadoda
7/10/2020 9:23:23 AM



#30
Chloroform
Concen: 19.223 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN062459.D
Acq: 9 Jul 2020 16:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.8	77.6





#31

Cyclohexane

Concen: 17.840 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VN062459.D

Acq: 9 Jul 2020 16:58

Instrument :

MSVOA_N

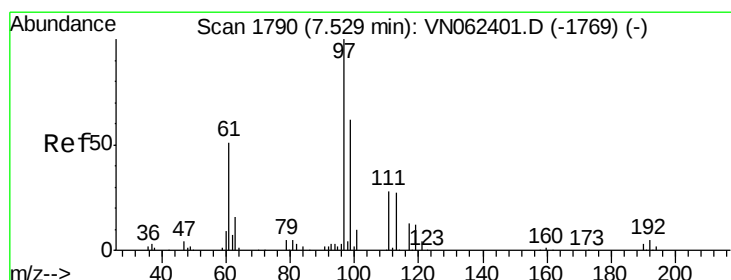
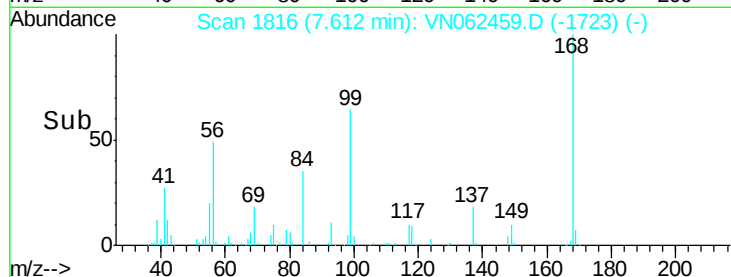
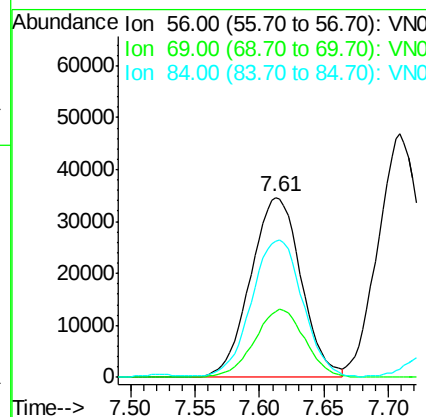
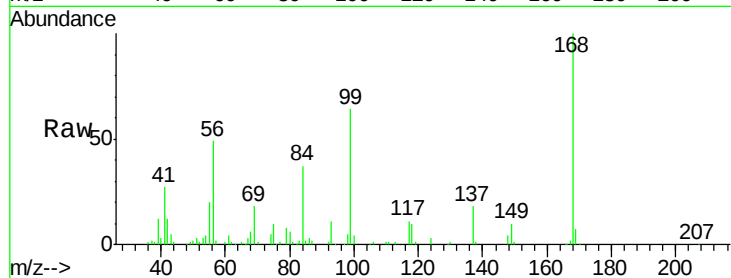
ClientSampleId :

VN0709WBS02

Tot Ion:	56	Resp:	94494
Ion Ratio	Lower	Upper	
56	100		
69	36.8	24.5	36.7#
84	74.8	57.4	86.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.415 ug/l

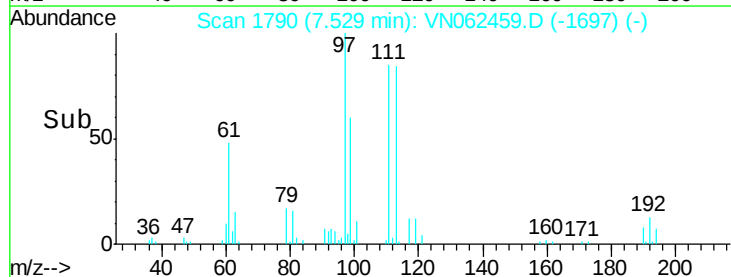
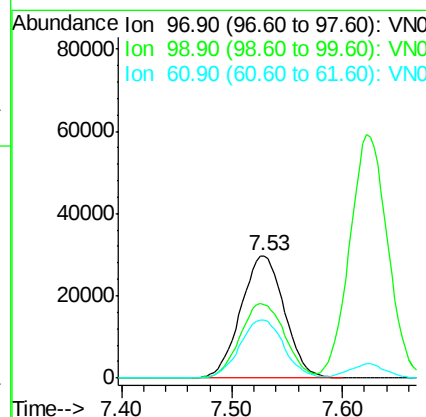
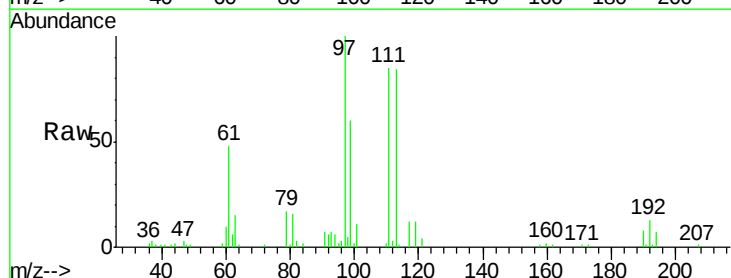
RT: 7.53 min Scan# 1790

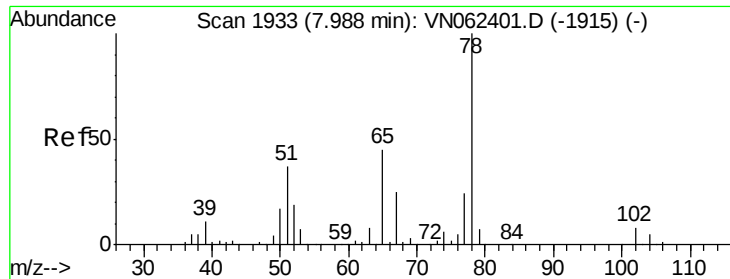
Delta R.T. 0.00 min

Lab File: VN062459.D

Acq: 9 Jul 2020 16:58

Tgt Ion:	97	Resp:	81470
Ion Ratio	Lower	Upper	
97	100		
99	62.7	50.4	75.6
61	48.1	39.9	59.9





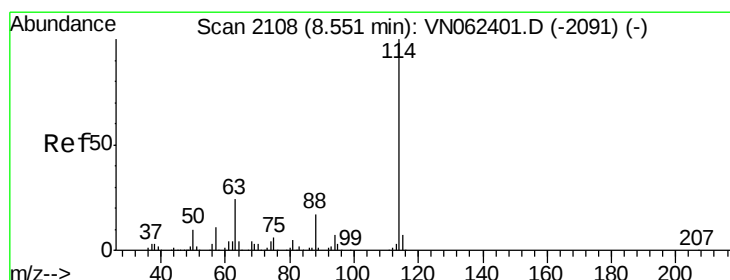
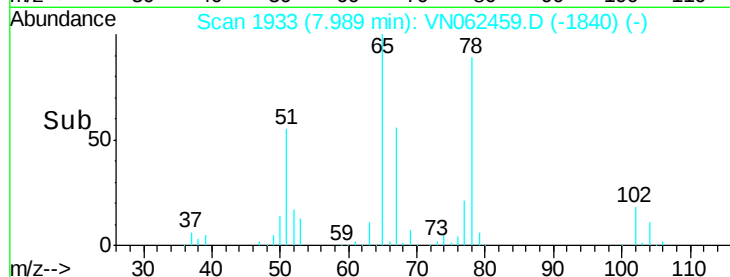
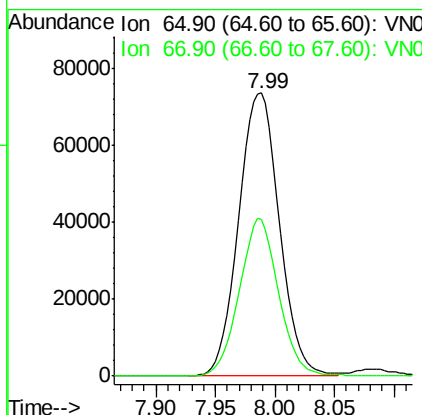
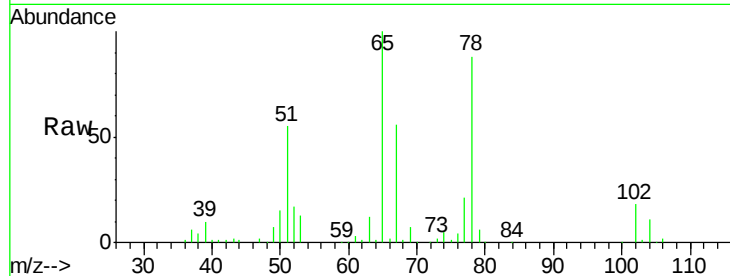
#33
 1,2-Dichloroethane-d4
 Concen: 50.285 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062459.D
 Acq: 9 Jul 2020 16:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	175353		
67	53.5	0.0	107.6	

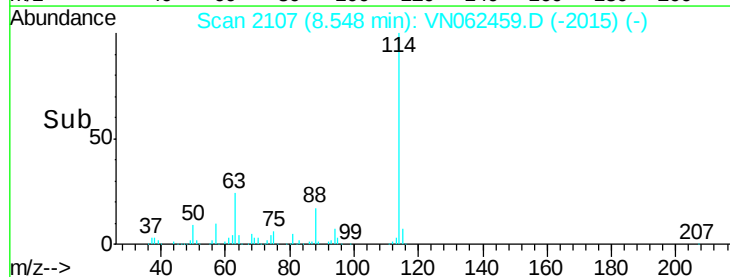
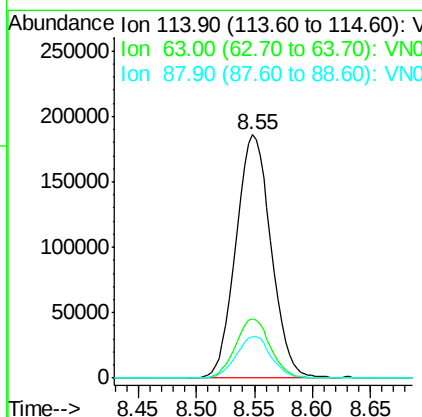
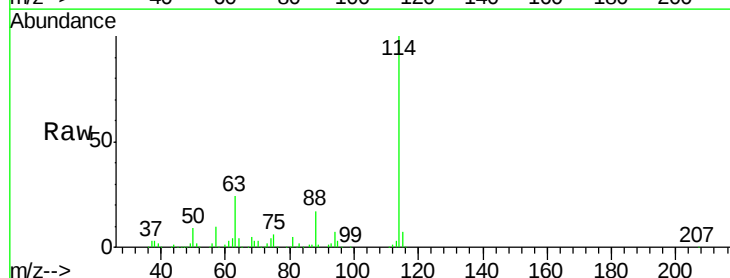
Manual Integrations
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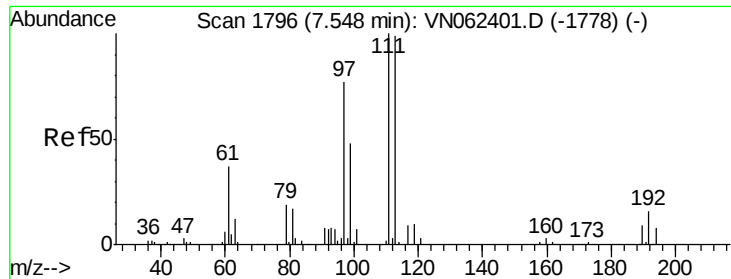
MMDadoda
 7/10/2020 9:23:23 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN062459.D
 Acq: 9 Jul 2020 16:58

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	391853		
63	24.4	0.0	48.4	
88	17.1	0.0	33.8	





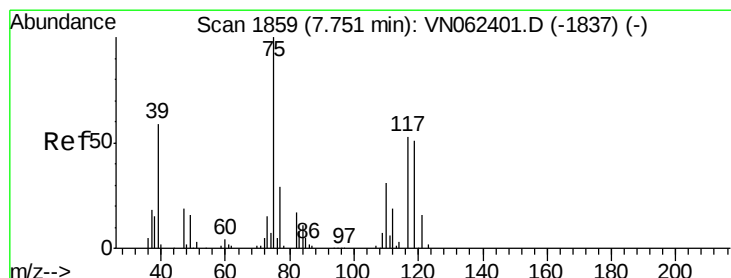
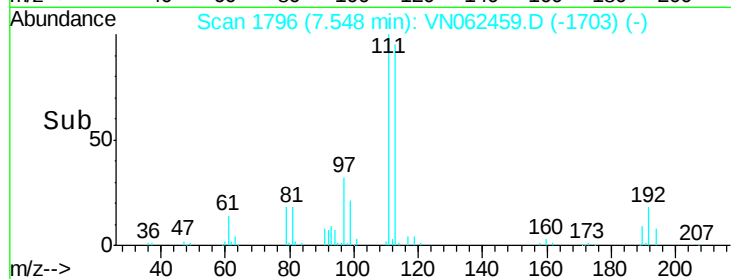
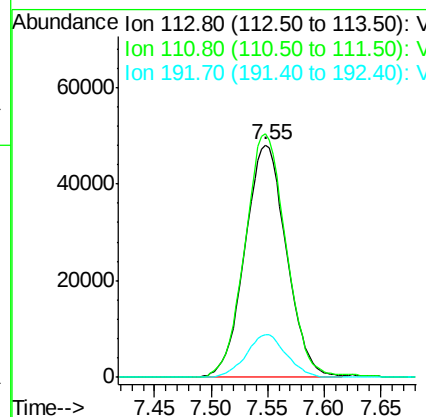
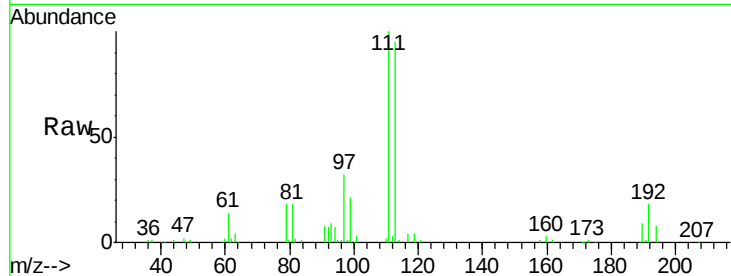
#35
 Dibromofluoromethane
 Concen: 50.703 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN062459.D
 Acq: 9 Jul 2020 16:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	122811		
111	103.6	83.1	124.7	
192	17.8	14.1	21.1	

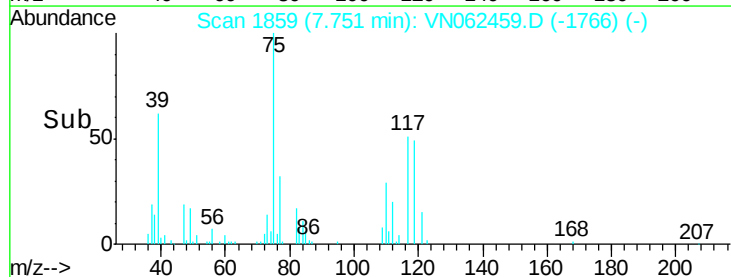
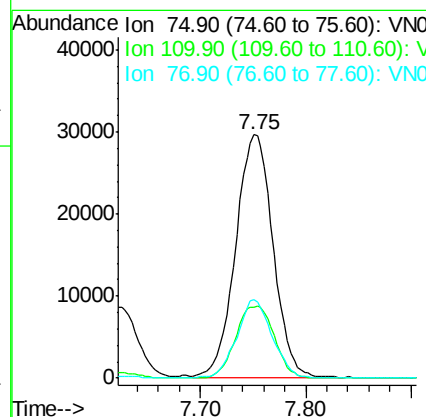
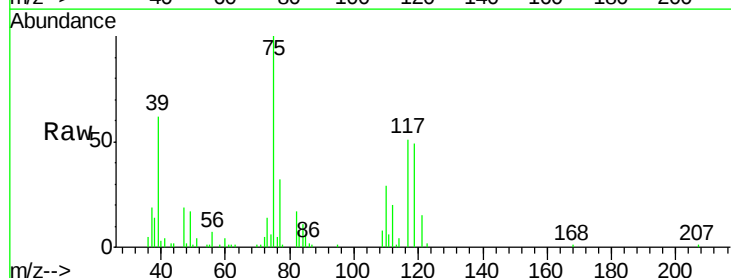
Manual Integrations
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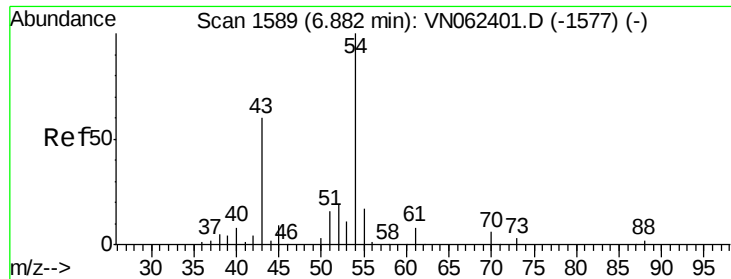
MMDadoda
 7/10/2020 9:23:23 AM



#36
 1,1-Dichloropropene
 Concen: 18.591 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VN062459.D
 Acq: 9 Jul 2020 16:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	73396		
110	30.4	15.4	46.2	
77	30.5	24.1	36.1	





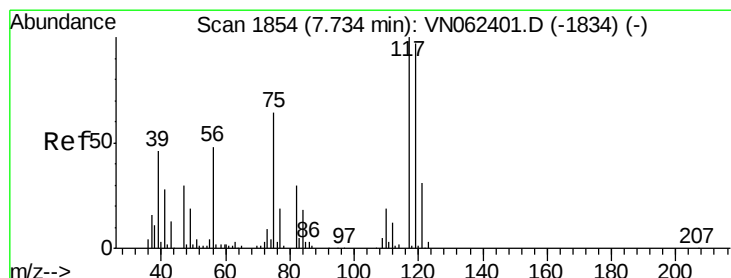
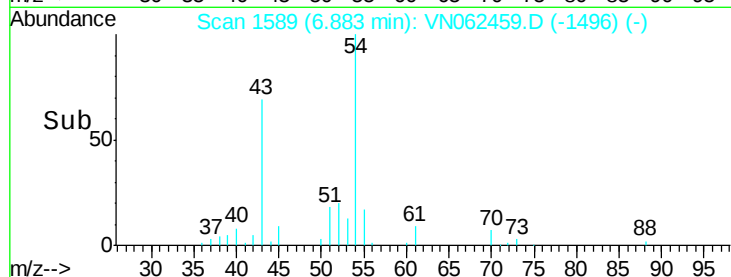
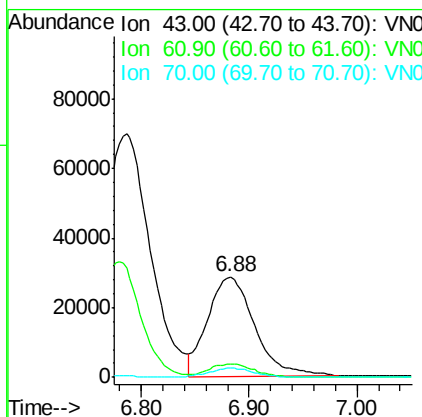
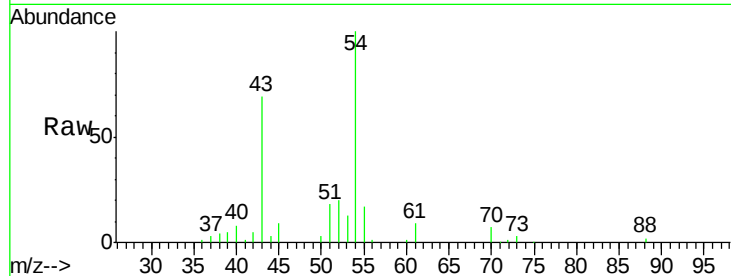
#37
Ethyl Acetate
Concen: 18.652 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VN062459.D
Acq: 9 Jul 2020 16:58

Instrument :
MSVOA_N
ClientSampled :
VN0709WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.7	16.1
70	9.0	7.2	10.8

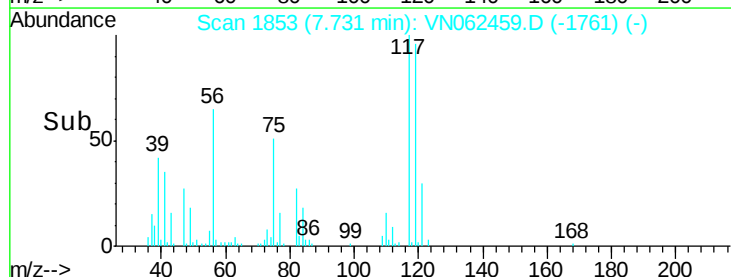
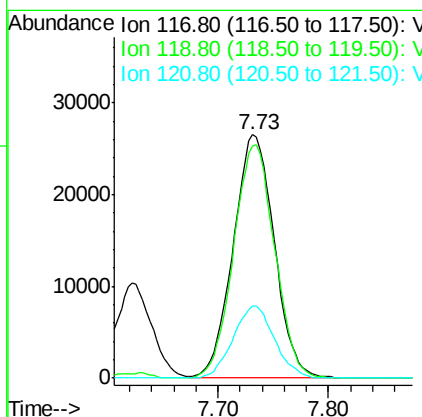
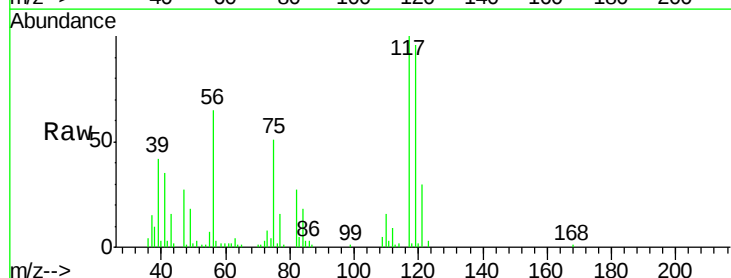
Manual Integrations
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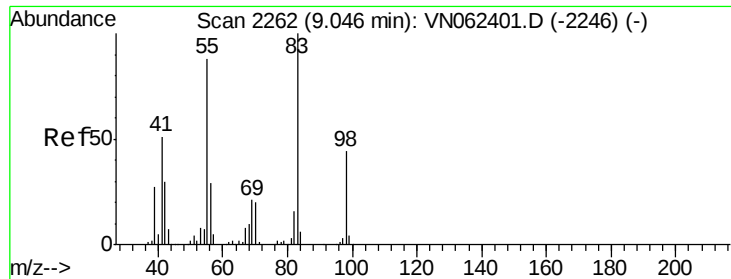
MMDadoda
7/10/2020 9:23:23 AM



#38
Carbon Tetrachloride
Concen: 19.338 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN062459.D
Acq: 9 Jul 2020 16:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	77.2	115.8
121	29.5	24.8	37.2





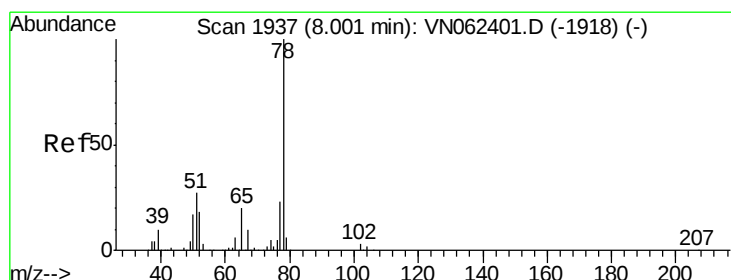
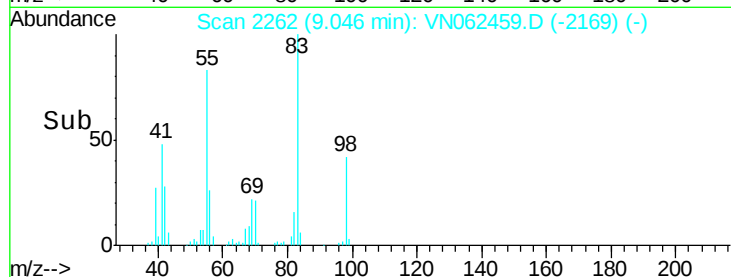
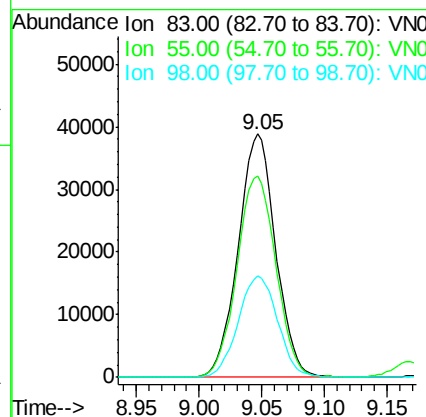
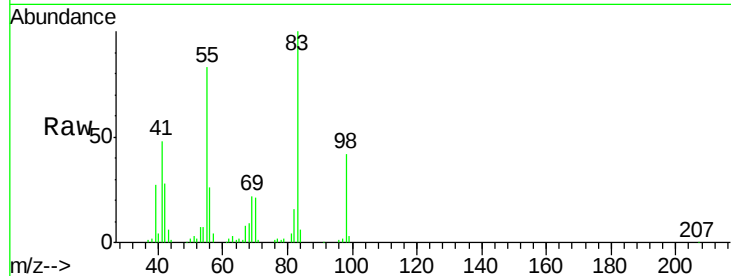
#39
Methvlcvclohexane
Concen: 19.130 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN062459.D
Acq: 9 Jul 2020 16:58

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.0	70.5	105.7
98	41.7	35.5	53.3

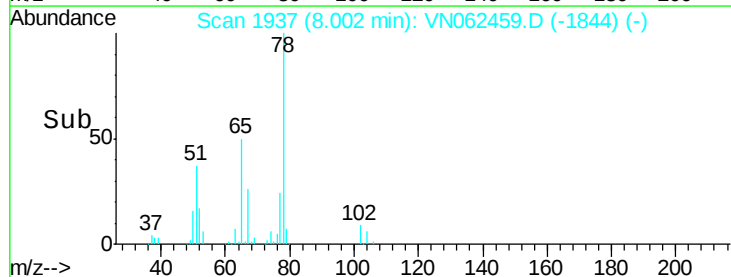
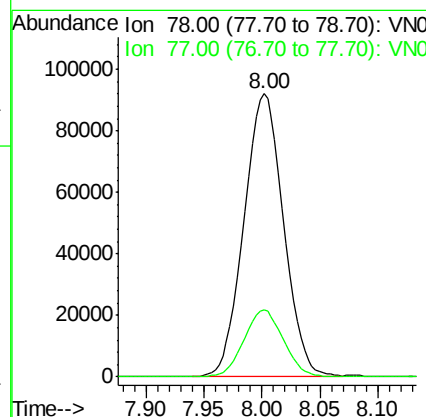
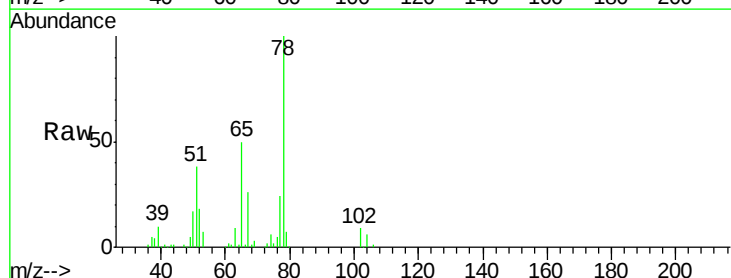
Manual Integrations
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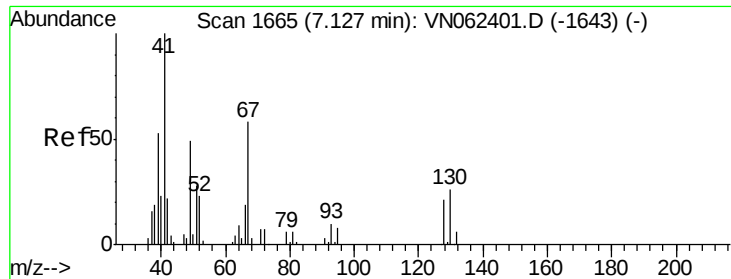
MMDadoda
7/10/2020 9:23:23 AM



#40
Benzene
Concen: 18.803 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN062459.D
Acq: 9 Jul 2020 16:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.7	28.1





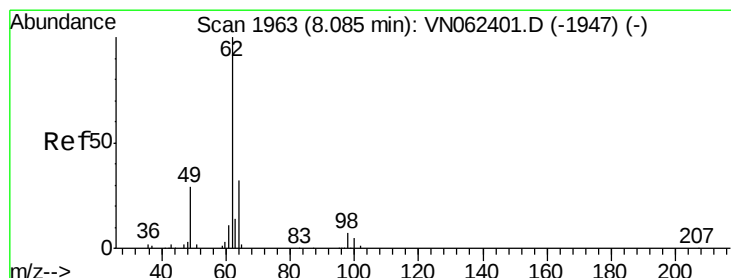
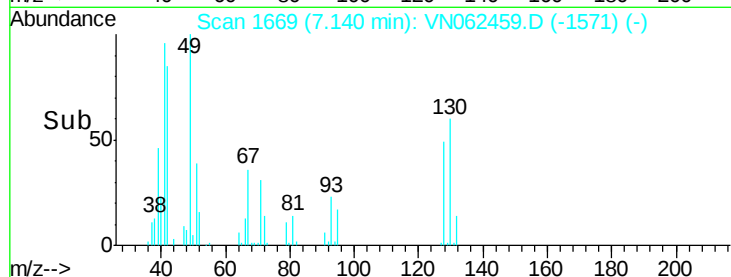
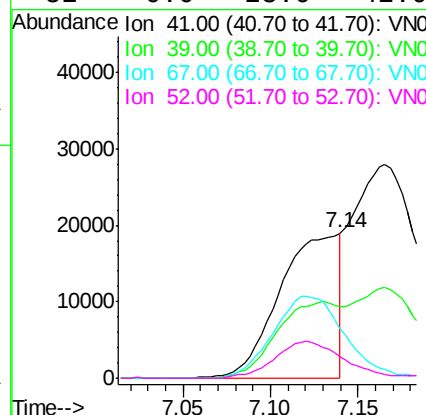
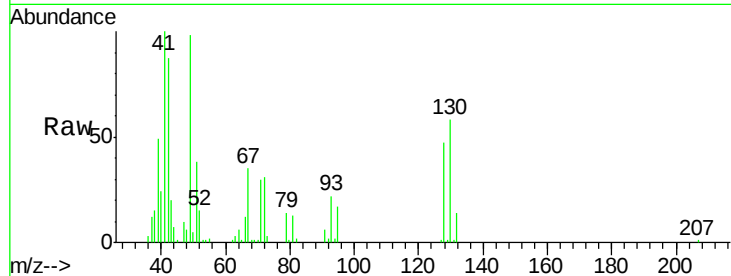
#41
Methacrylonitrile
Concen: 23.504 ug/l m
RT: 7.14 min Scan# 1669
Delta R.T. 0.01 min
Lab File: VN062459.D
Acq: 9 Jul 2020 16:58

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	50.2	75.2#
67	0.0	64.2	96.2#
52	0.0	28.0	42.0#

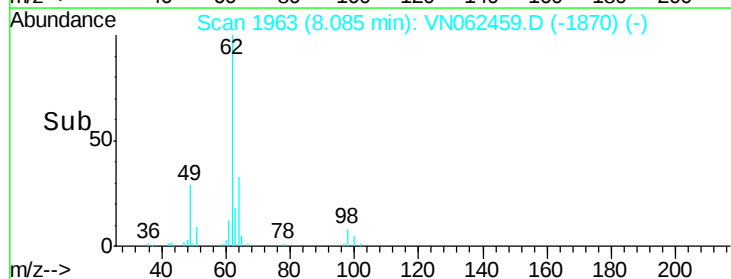
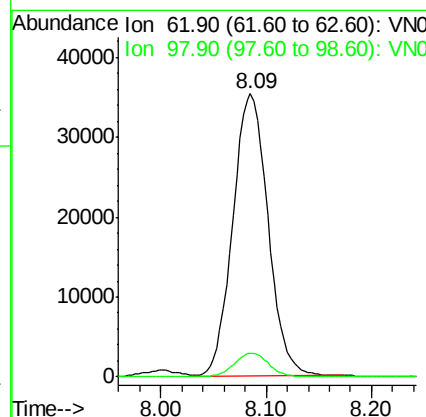
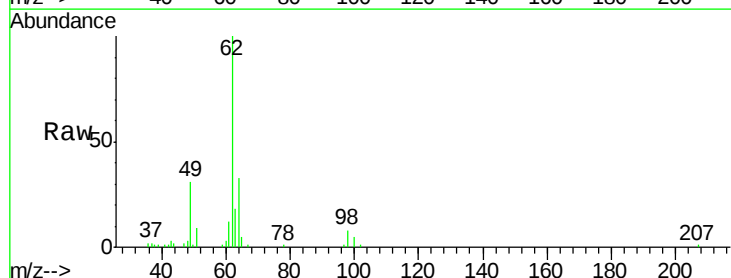
Manual Integrations
APPROVED

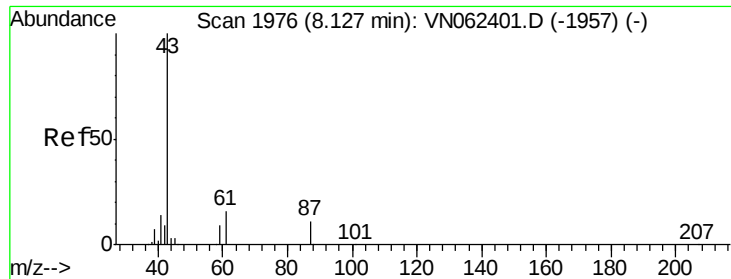
MMDadoda
7/10/2020 9:23:23 AM



#42
1,2-Dichloroethane
Concen: 19.260 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN062459.D
Acq: 9 Jul 2020 16:58

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	15.8





#43

Isopropyl Acetate

Concen: 19.262 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN062459.D

Acq: 9 Jul 2020 16:58

Instrument :

MSVOA_N

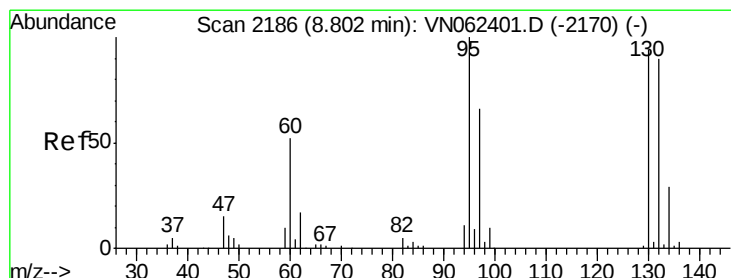
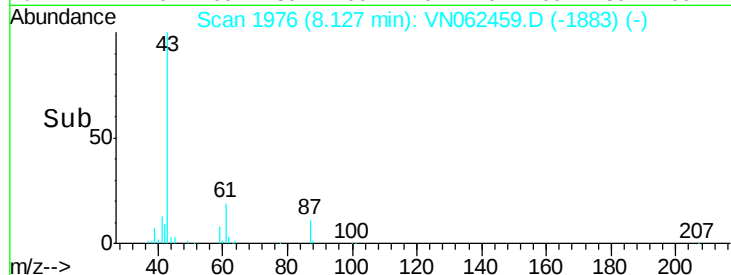
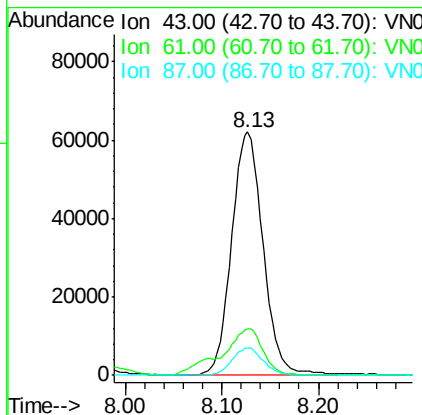
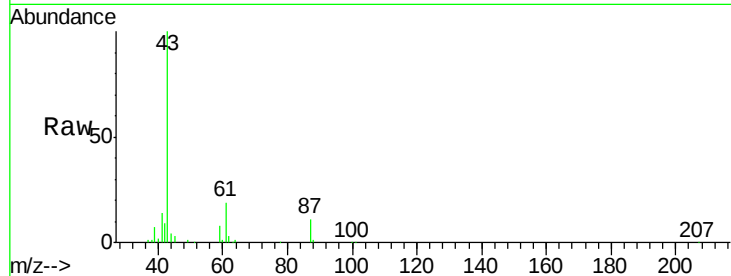
ClientSampleId :

VN0709WBS02

Tot Ion:	43	Resp:	140464
Ion	Ratio	Lower	Upper
43	100		
61	19.4	19.3	28.9
87	11.1	8.6	13.0

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#44

Trichloroethene

Concen: 19.104 ug/l

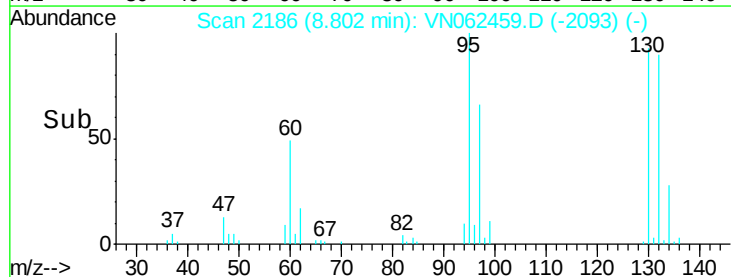
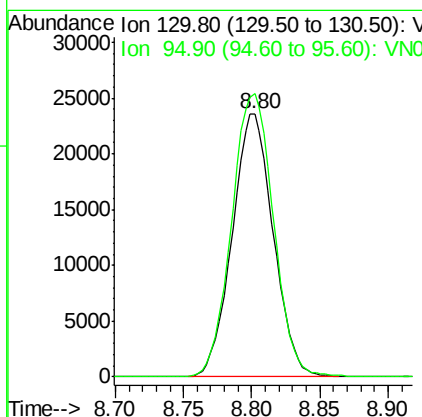
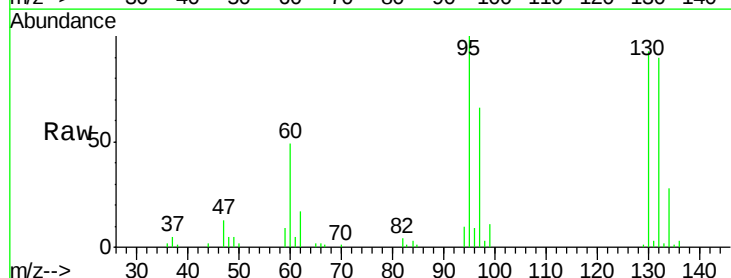
RT: 8.80 min Scan# 2186

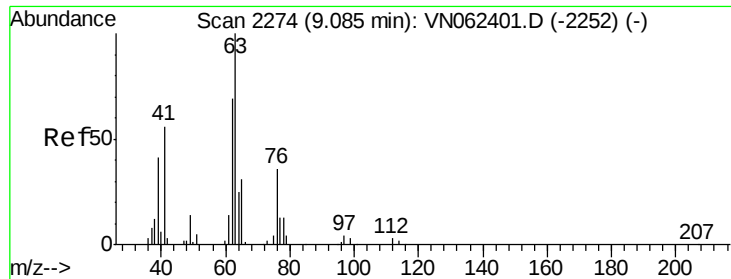
Delta R.T. 0.00 min

Lab File: VN062459.D

Acq: 9 Jul 2020 16:58

Tgt Ion:	130	Resp:	49318
Ion	Ratio	Lower	Upper
130	100		
95	107.4	0.0	213.8





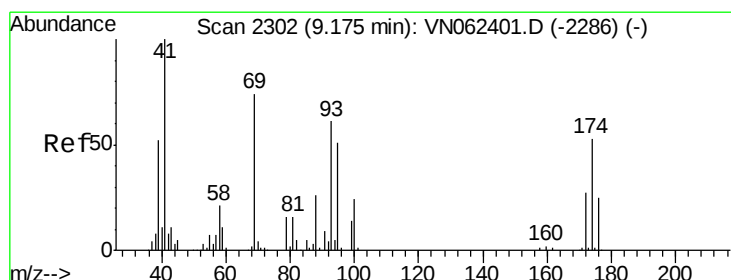
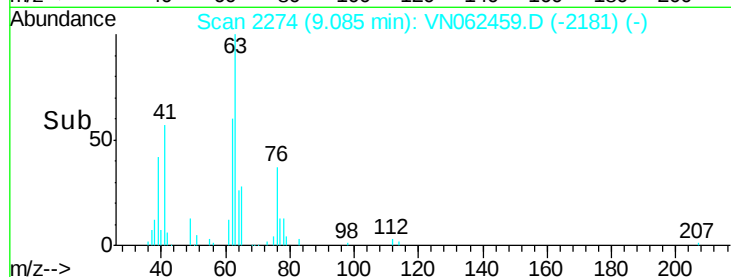
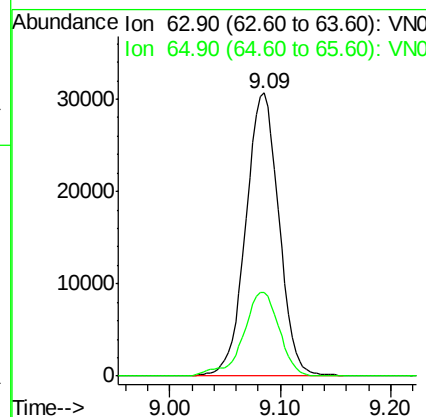
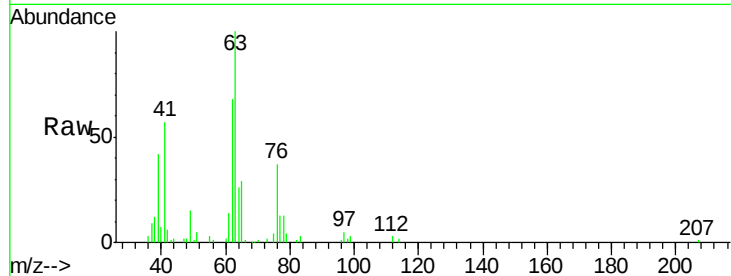
#45
 1,2-Dichloropropane
 Concen: 18.918 ug/l
 RT: 9.09 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VN062459.D
 Acq: 9 Jul 2020 16:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBS02

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.4	24.6	36.8

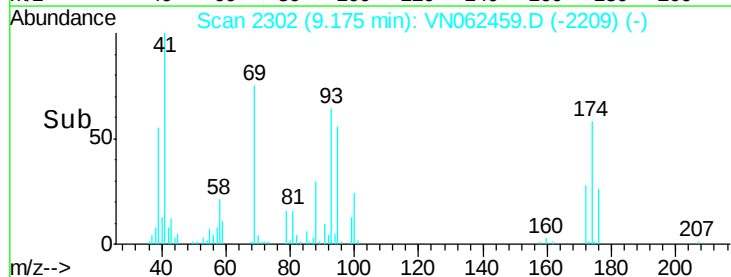
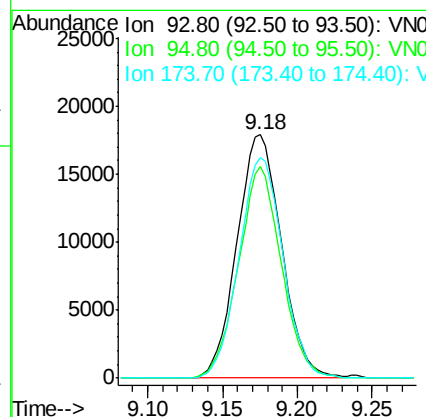
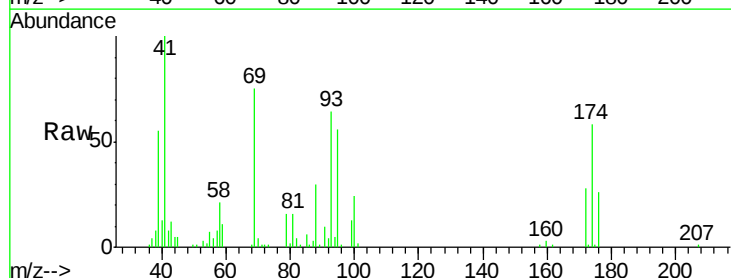
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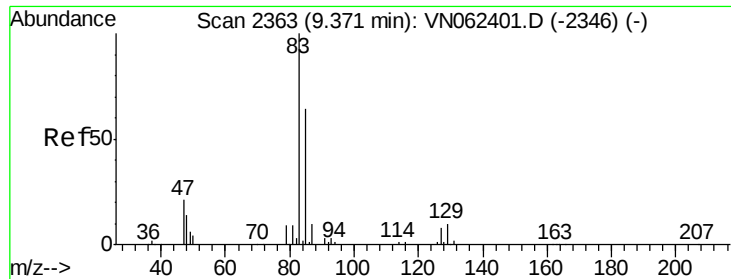
MMDadoda
 7/10/2020 9:23:23 AM



#46
 Dibromomethane
 Concen: 19.480 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: VN062459.D
 Acq: 9 Jul 2020 16:58

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.6	67.1	100.7
174	89.5	70.4	105.6





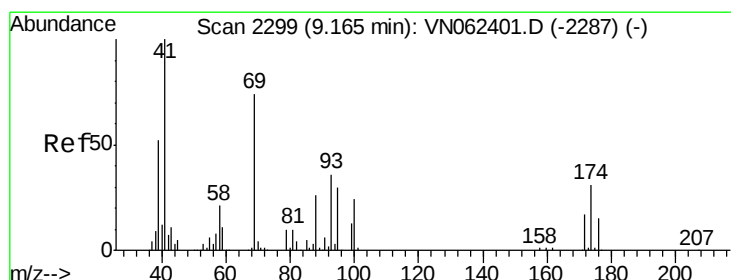
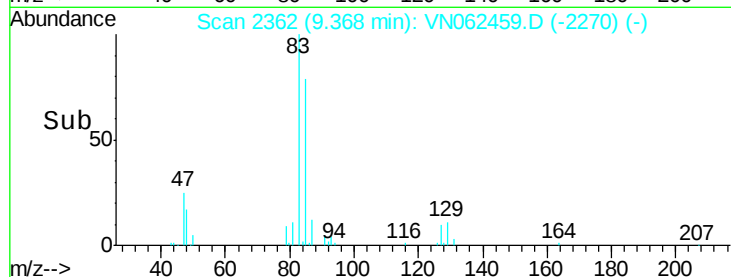
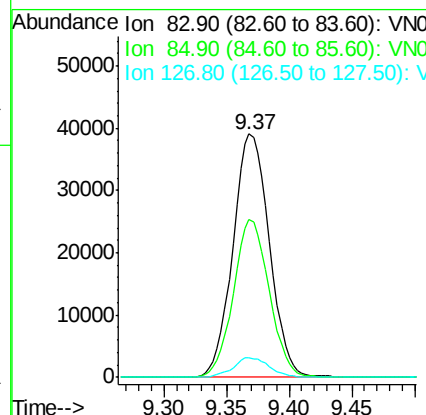
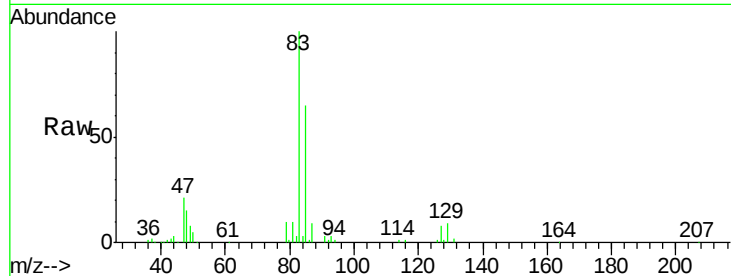
#47
Bromodichloromethane
Concen: 19.365 ug/l
RT: 9.37 min Scan# 2362
Delta R.T. -0.00 min
Lab File: VN062459.D
Acq: 9 Jul 2020 16:58

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.2	76.8
127	8.0	6.2	9.2

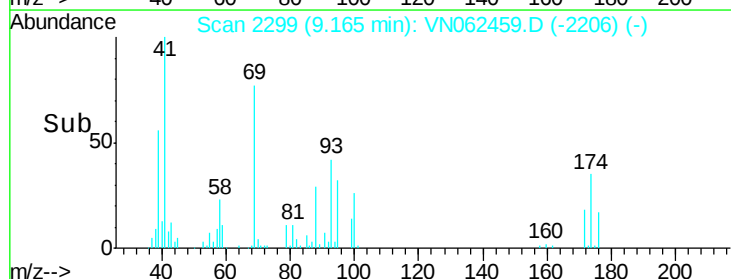
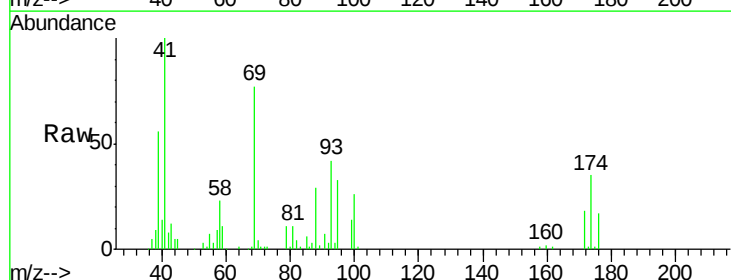
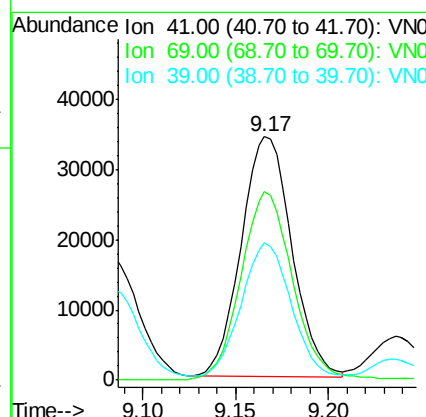
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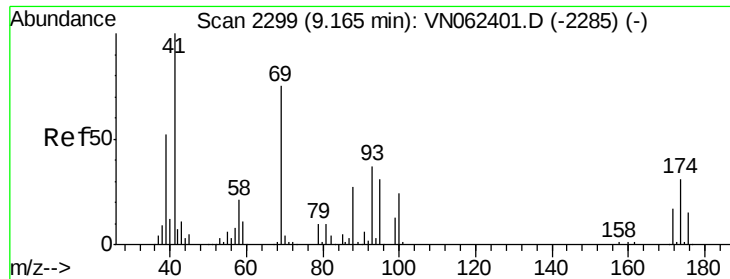
MMDadoda
7/10/2020 9:23:23 AM



#48
Methyl methacrylate
Concen: 18.181 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN062459.D
Acq: 9 Jul 2020 16:58

Tgt Ion	Ratio	Lower	Upper
41	100		
69	80.7	60.8	91.2
39	54.9	43.5	65.3





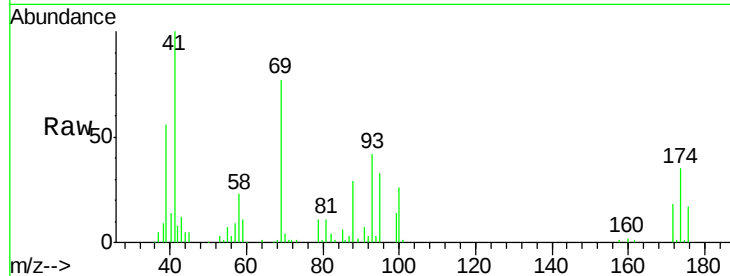
#49
1,4-Dioxane
Concen: 418.313 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN062459.D
Acq: 9 Jul 2020 16:58

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.4	31.0	46.4
58	73.6	63.3	94.9

Manual Integrations
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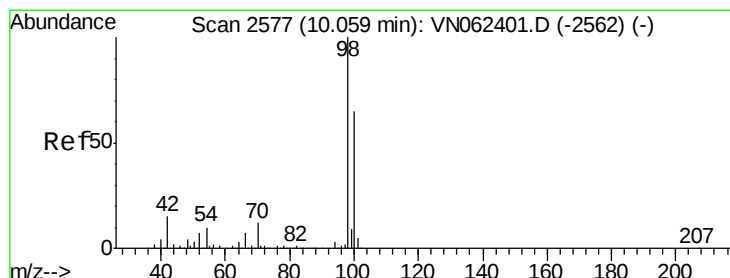
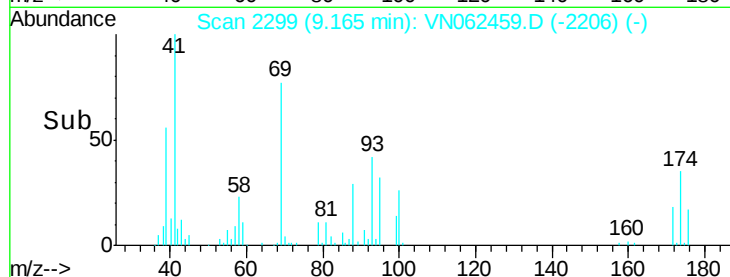
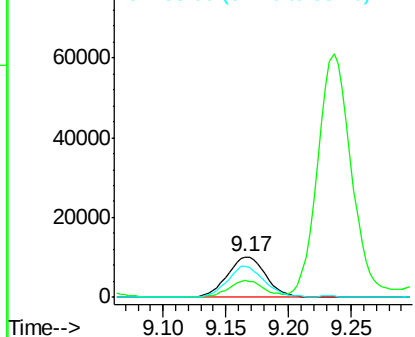


Abundance

Ion 88.00 (87.70 to 88.70): VN062401.D (-2285) (-)

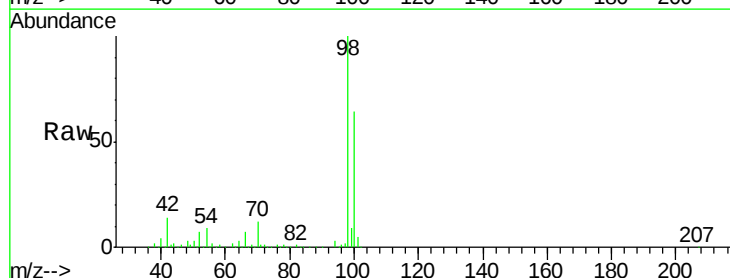
Ion 43.00 (42.70 to 43.70): VN062401.D (-2285) (-)

Ion 58.00 (57.70 to 58.70): VN062401.D (-2285) (-)



#50
Toluene-d8
Concen: 50.364 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN062459.D
Acq: 9 Jul 2020 16:58

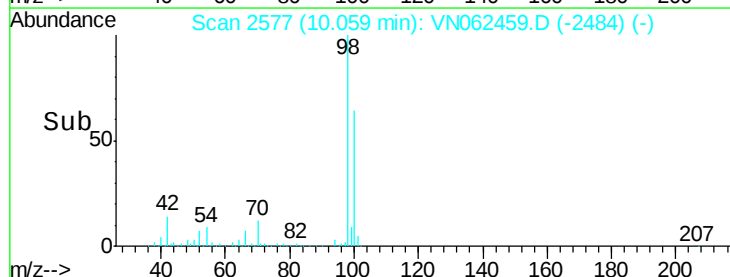
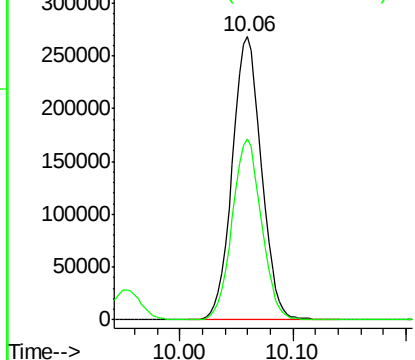
Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.5	77.3



Abundance

Ion 98.00 (97.70 to 98.70): VN062401.D (-2562) (-)

Ion 100.00 (99.70 to 100.70): VN062401.D (-2562) (-)





#51

4-Methyl-2-Pentanone

Concen: 97.507 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN062459.D

Acq: 9 Jul 2020 16:58

Instrument :

MSVOA_N

ClientSampleId :

VN0709WBS02

Tot Ion: 43 Resp: 424707

Ion Ratio Lower Upper

43 100

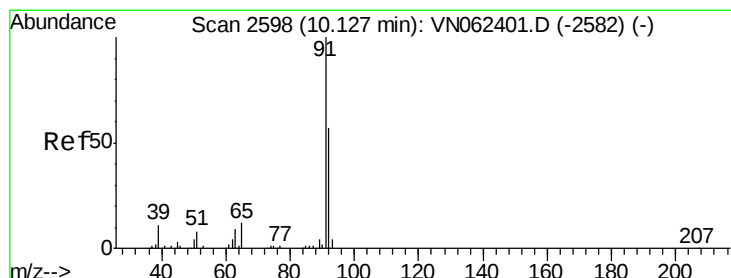
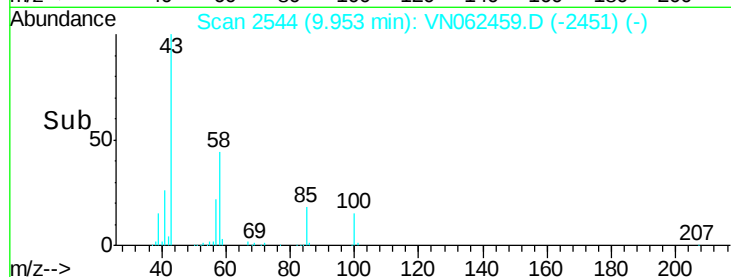
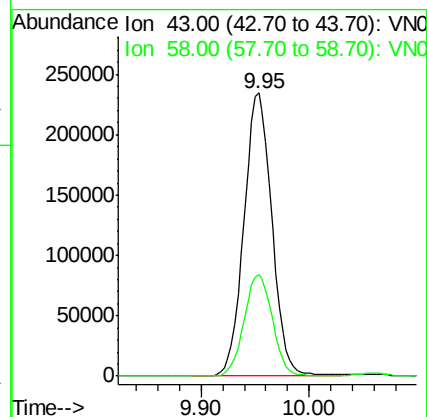
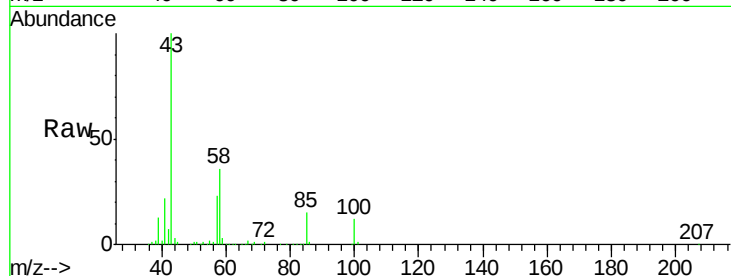
58 36.2 29.0 43.6

Manual Integrations

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#52

Toluene

Concen: 19.367 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062459.D

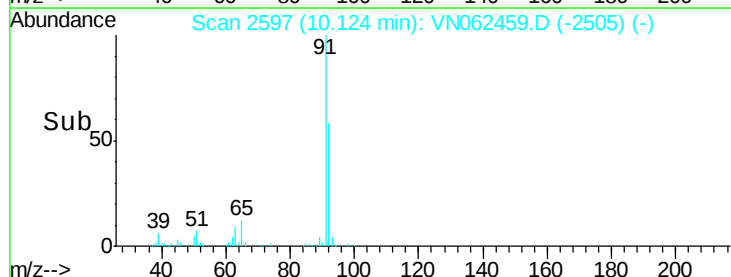
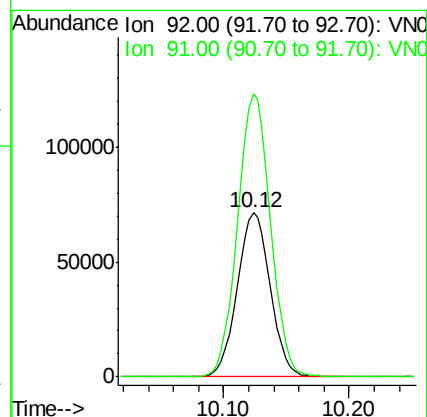
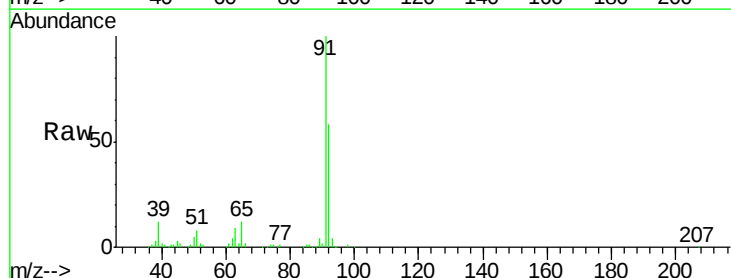
Acq: 9 Jul 2020 16:58

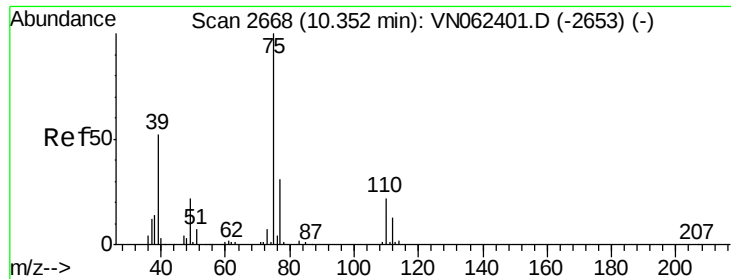
Tgt Ion: 92 Resp: 130156

Ion Ratio Lower Upper

92 100

91 172.2 141.0 211.6





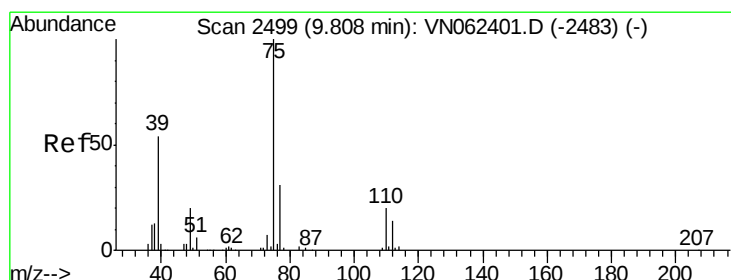
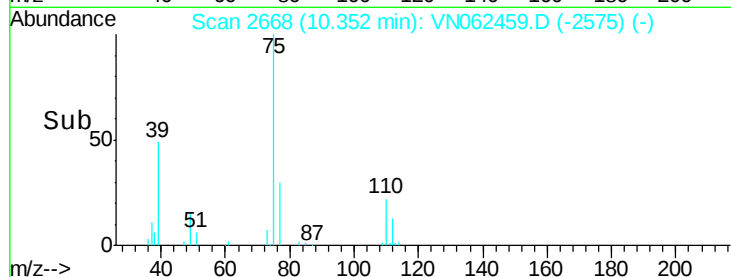
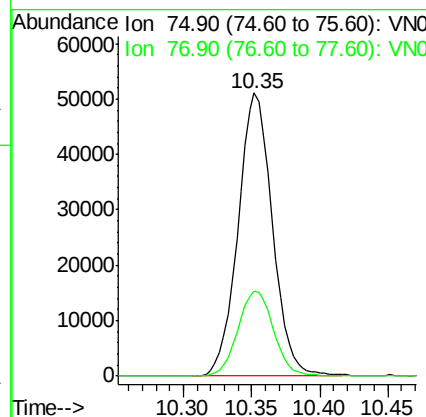
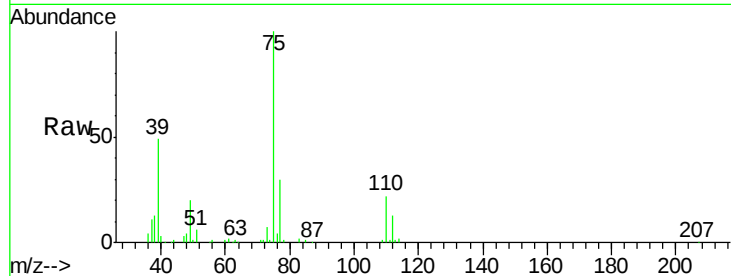
#53
t-1,3-Dichloropropene
Concen: 19.586 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. 0.00 min
Lab File: VN062459.D
Acq: 9 Jul 2020 16:58

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBS02

Tot Ion: 75 Resp: 89423
Ion Ratio Lower Upper
75 100
77 30.0 25.2 37.8

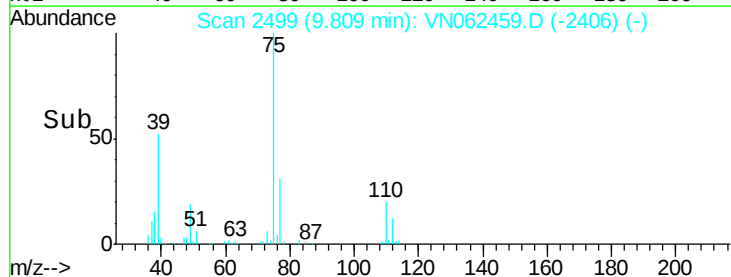
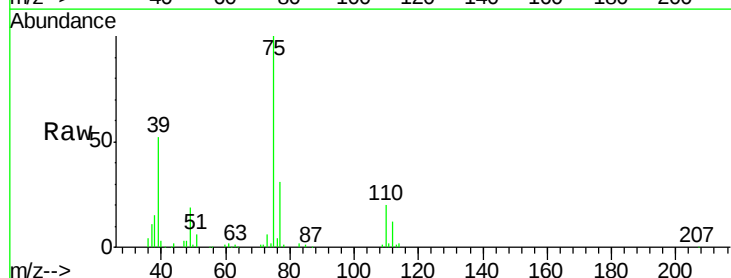
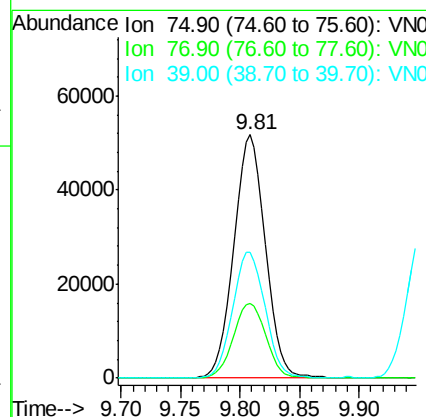
Manual Integrations
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7/10/2020 9:23:23 AM



#54
cis-1,3-Dichloropropene
Concen: 18.888 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VN062459.D
Acq: 9 Jul 2020 16:58

Tgt Ion: 75 Resp: 95149
Ion Ratio Lower Upper
75 100
77 30.9 24.5 36.7
39 51.6 43.4 65.0





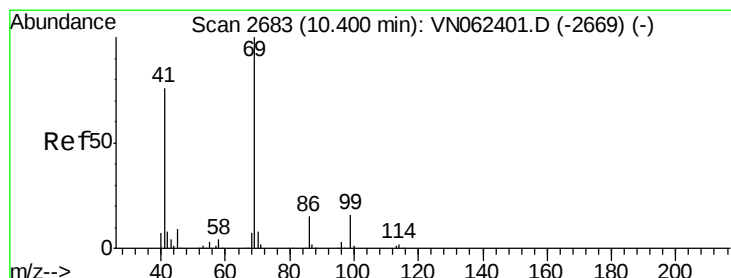
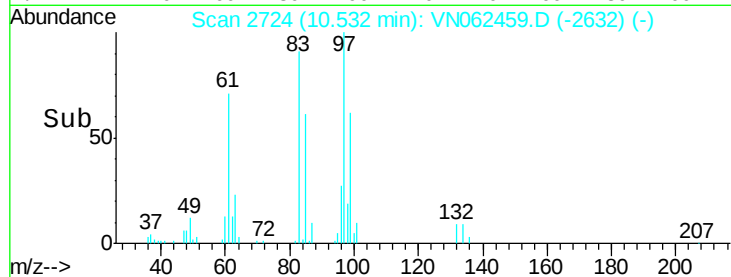
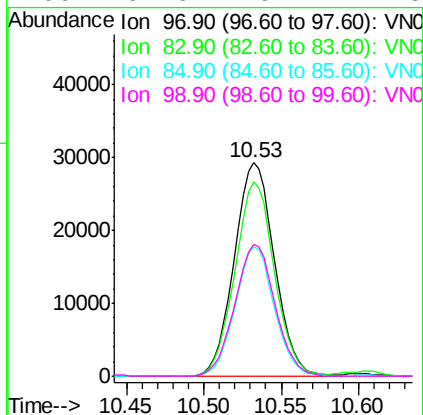
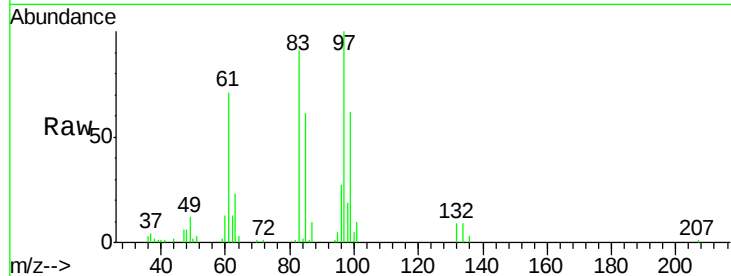
#55
 1,1,2-Trichloroethane
 Concen: 20.013 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN062459.D
 Acq: 9 Jul 2020 16:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBS02

Tot Ion	Ratio	Lower	Upper
97	100		
83	91.2	71.0	106.4
85	60.6	46.2	69.4
99	61.6	49.7	74.5

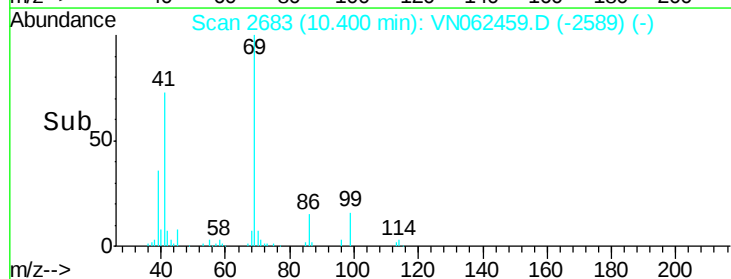
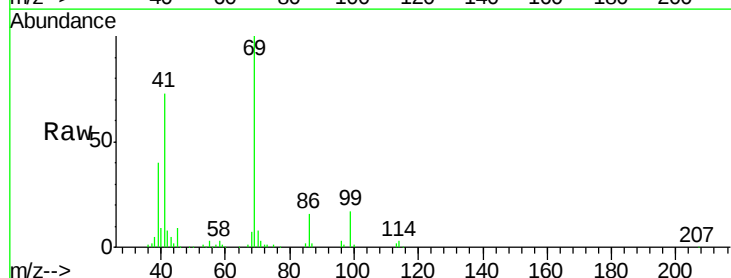
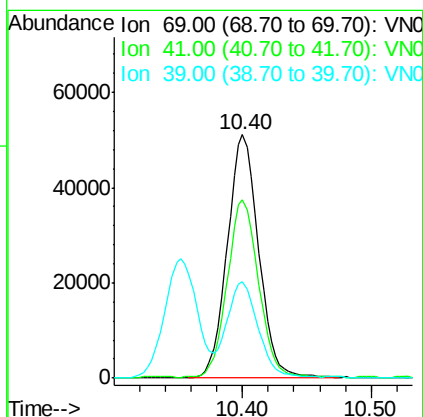
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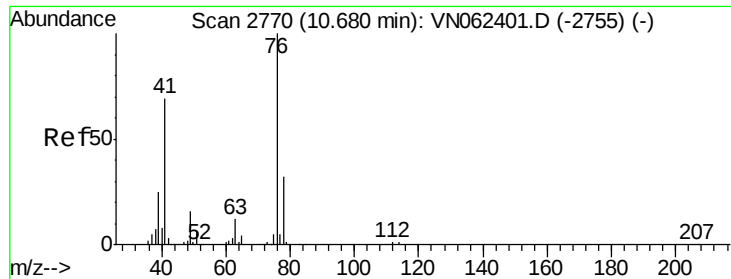
MMDadoda
 7/10/2020 9:23:23 AM



#56
 Ethyl methacrylate
 Concen: 18.860 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN062459.D
 Acq: 9 Jul 2020 16:58

Tgt Ion	Ratio	Lower	Upper
69	100		
41	72.5	59.7	89.5
39	39.0	30.6	45.8





#57

1,3-Dichloropropane

Concen: 19.810 ug/l

RT: 10.68 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VN062459.D

Acq: 9 Jul 2020 16:58

Instrument :

MSVOA_N

ClientSampleId :

VN0709WBS02

Tot Ion: 76 Resp: 96742

Ion Ratio Lower Upper

76 100

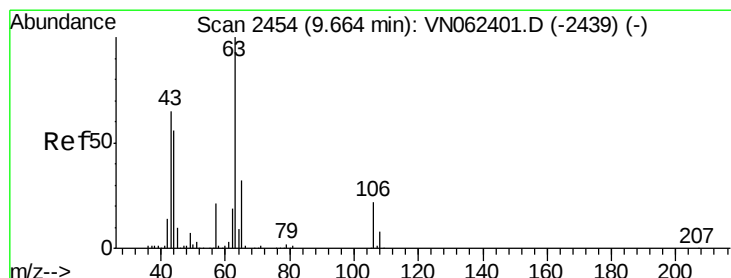
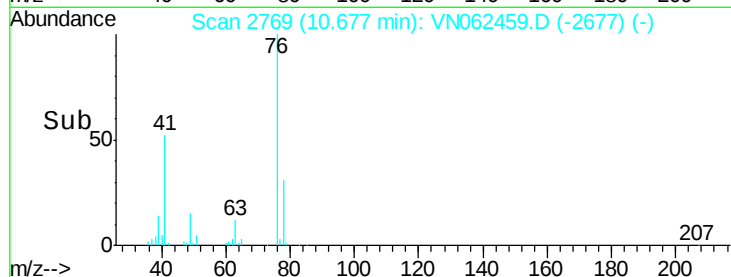
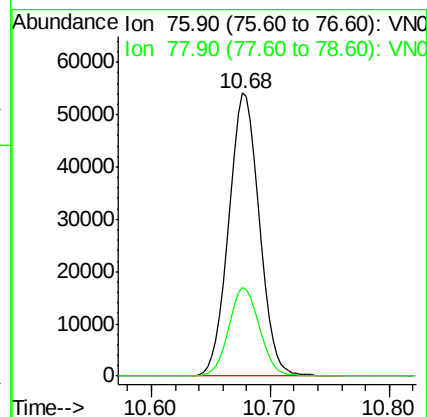
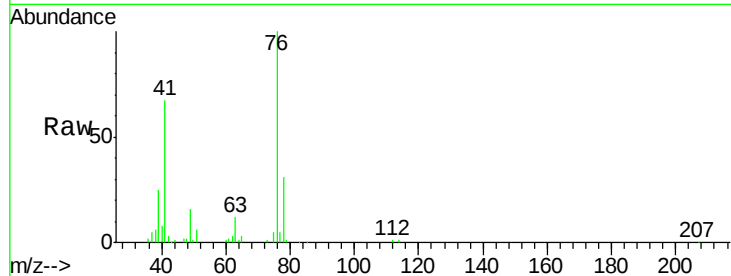
78 31.3 25.6 38.4

Manual Integrations

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MMDadoda

7/10/2020 9:23:23 AM



#58

2-Chloroethyl Vinyl ether

Concen: 95.661 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VN062459.D

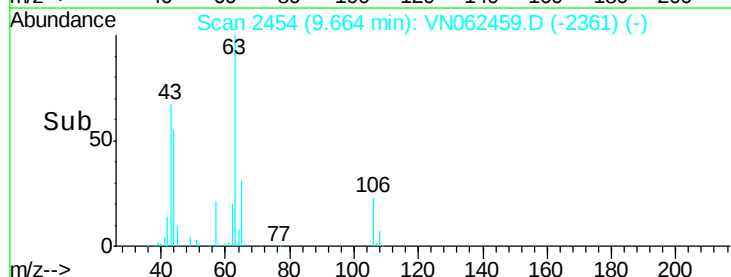
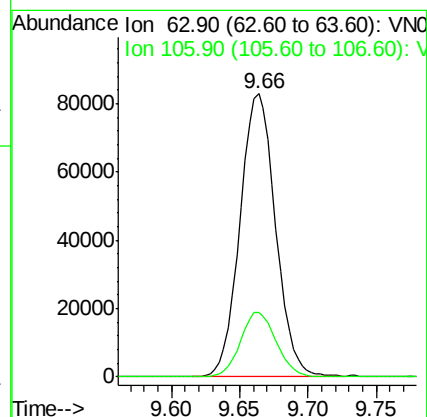
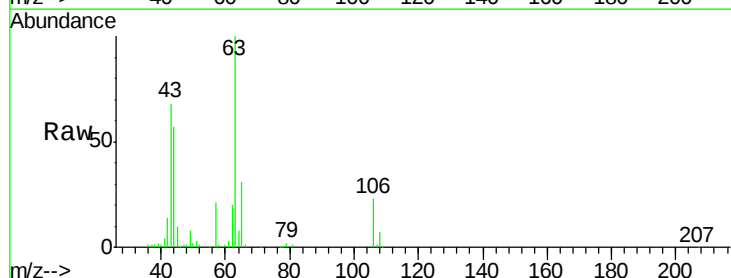
Acq: 9 Jul 2020 16:58

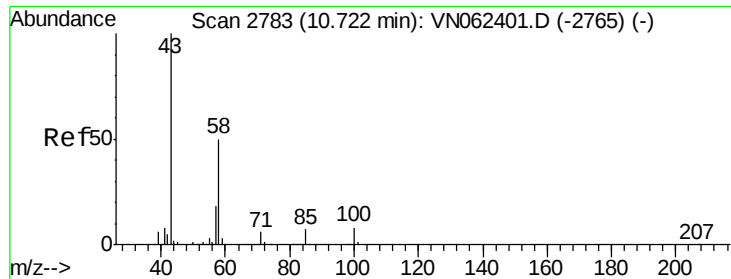
Tgt Ion: 63 Resp: 150011

Ion Ratio Lower Upper

63 100

106 22.9 17.6 26.4





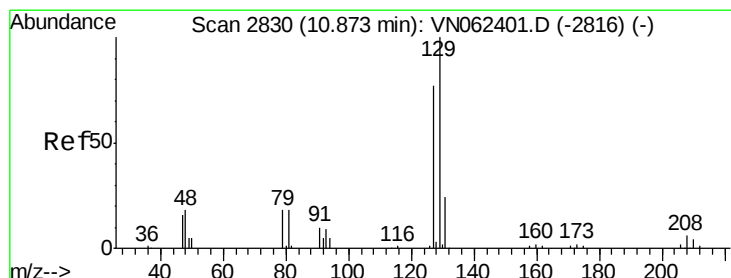
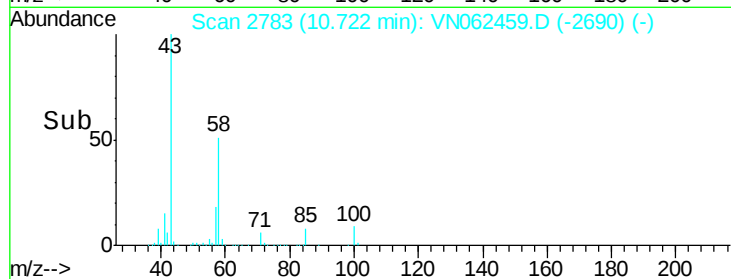
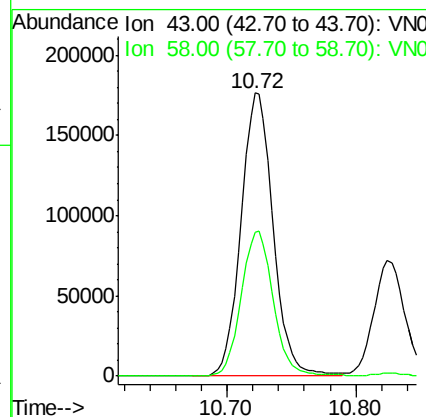
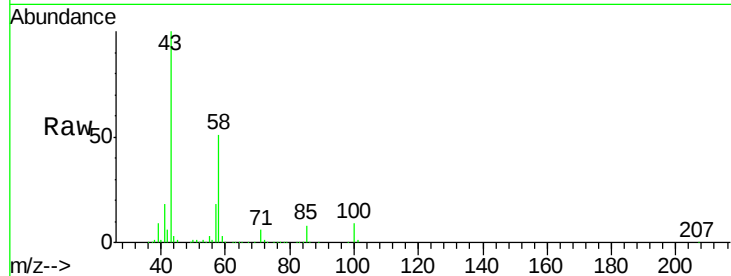
#59
2-Hexanone
Concen: 96.694 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. 0.00 min
Lab File: VN062459.D
Acq: 9 Jul 2020 16:58

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBS02

Tot Ion: 43 Resp: 305753
Ion Ratio Lower Upper
43 100
58 51.1 25.1 75.2

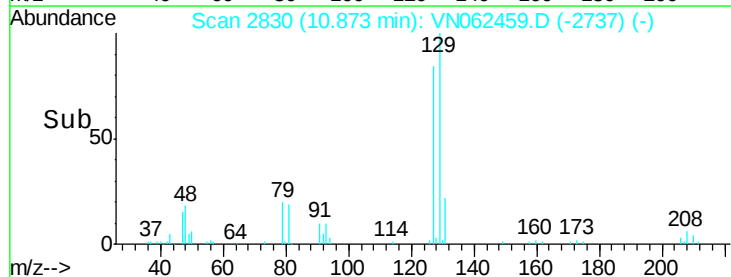
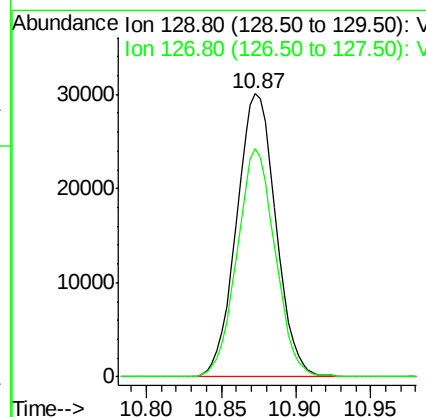
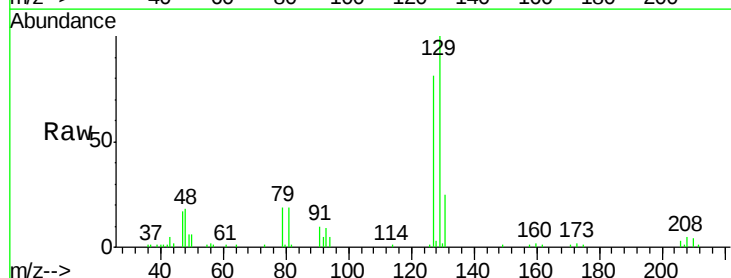
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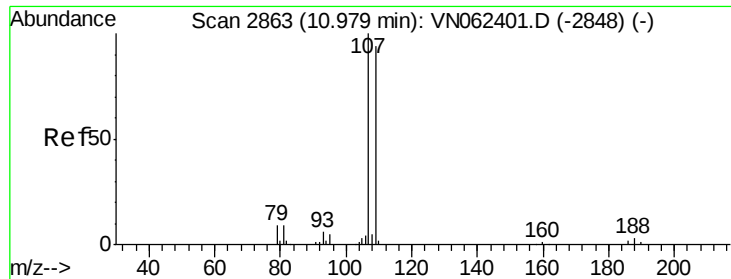
MMDadoda
7/10/2020 9:23:23 AM



#60
Dibromochloromethane
Concen: 19.199 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. 0.00 min
Lab File: VN062459.D
Acq: 9 Jul 2020 16:58

Tgt Ion: 129 Resp: 55026
Ion Ratio Lower Upper
129 100
127 78.3 38.6 115.8





#61

1,2-Dibromoethane

Concen: 19.948 ug/l

RT: 10.98 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VN062459.D

Acq: 9 Jul 2020 16:58

Instrument :

MSVOA_N

ClientSampleId :

VN0709WBS02

Tot Ion:107 Resp: 53227

Ion Ratio Lower Upper

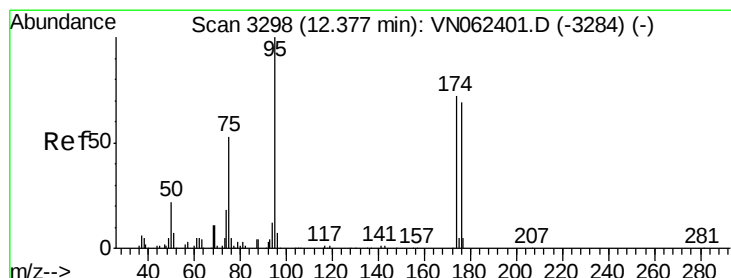
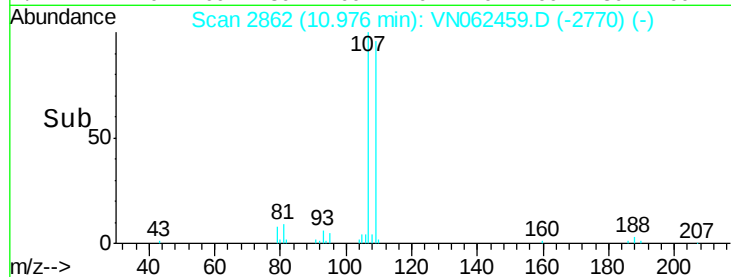
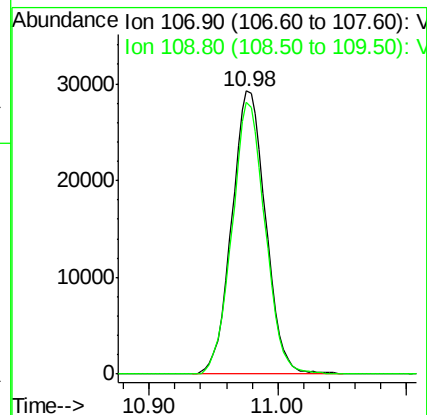
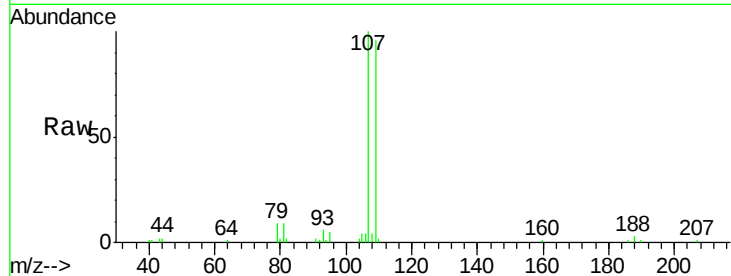
107 100

109 93.7 75.6 113.4

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#62

4-Bromofluorobenzene

Concen: 49.859 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062459.D

Acq: 9 Jul 2020 16:58

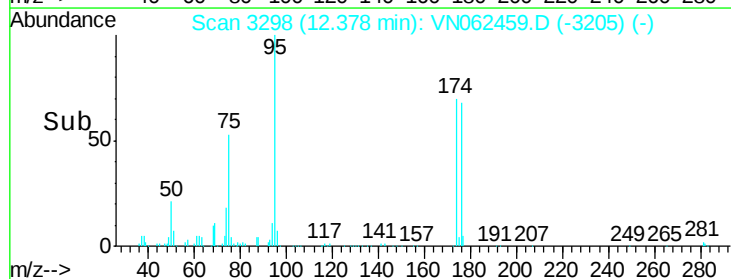
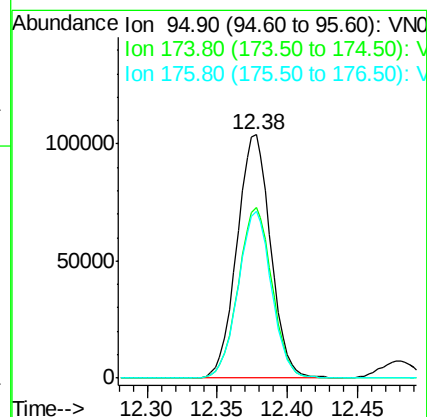
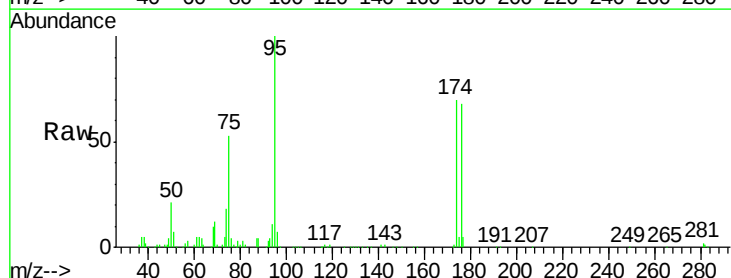
Tgt Ion: 95 Resp: 174223

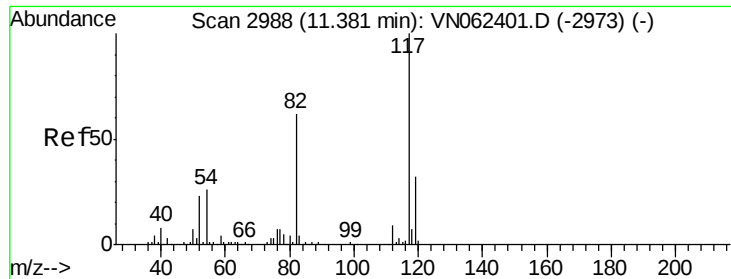
Ion Ratio Lower Upper

95 100

174 70.4 0.0 141.6

176 67.7 0.0 137.2





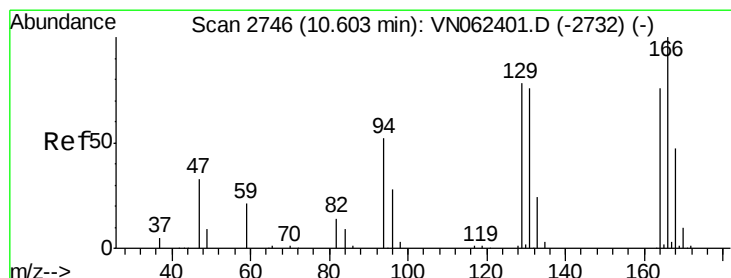
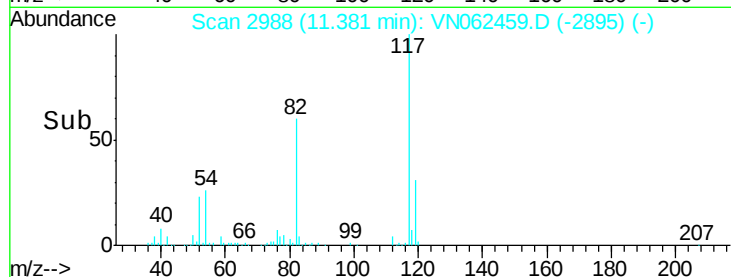
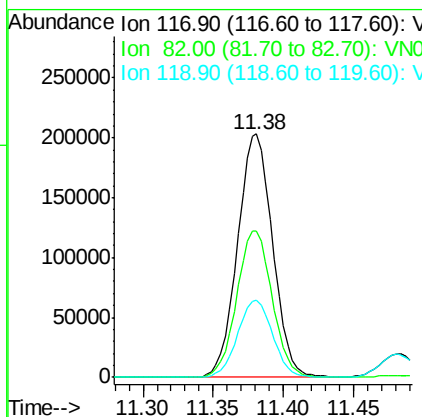
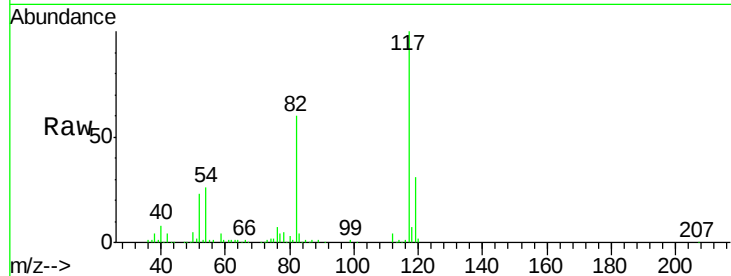
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062459.D
Acq: 9 Jul 2020 16:58

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.3	49.6	74.4
119	31.5	25.4	38.0

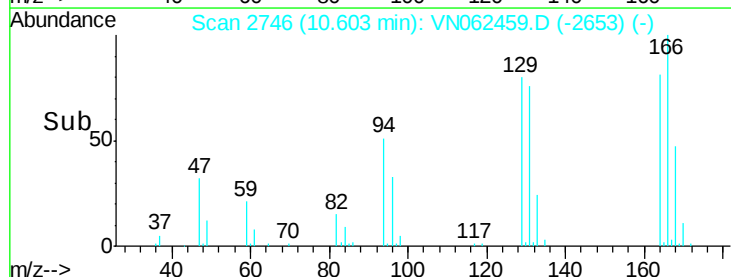
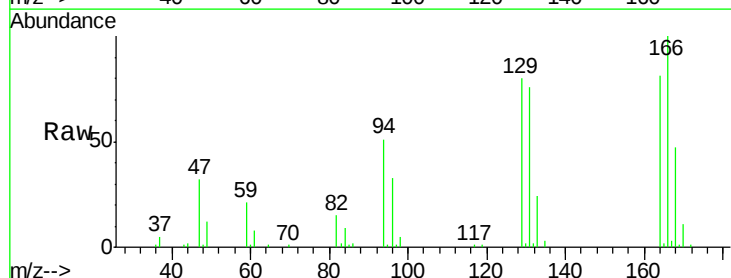
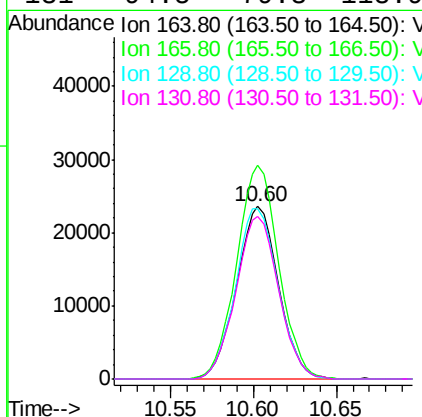
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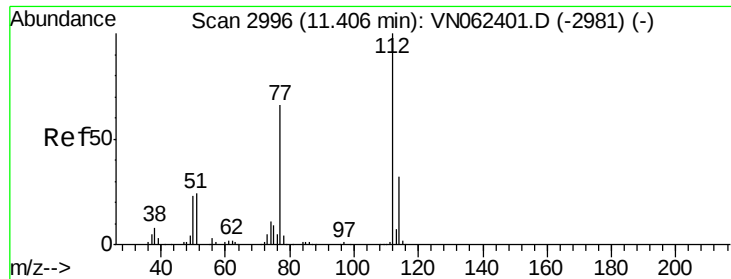
MMDadoda
7/10/2020 9:23:23 AM



#64
Tetrachloroethene
Concen: 19.685 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN062459.D
Acq: 9 Jul 2020 16:58

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.8	104.9	157.3
129	98.7	81.8	122.6
131	94.5	79.3	118.9





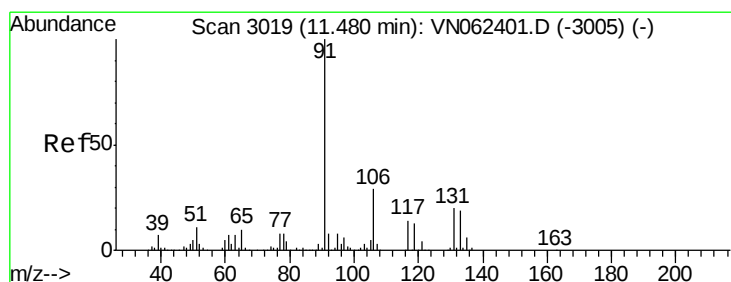
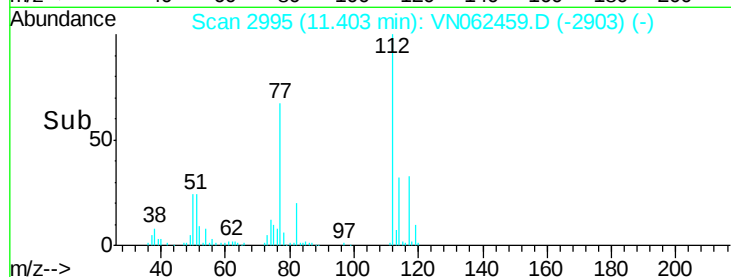
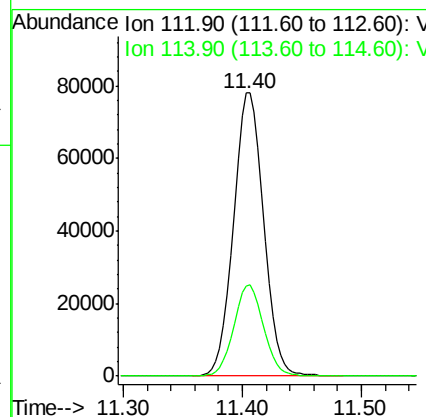
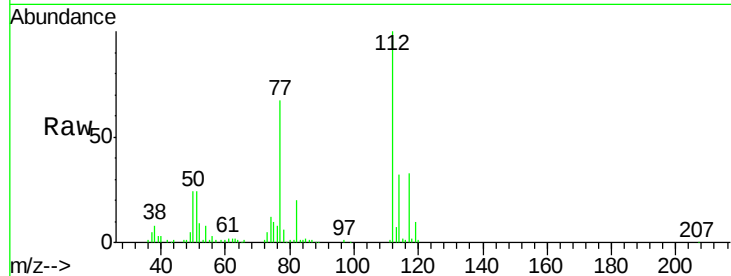
#65
Chlorobenzene
Concen: 19.905 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN062459.D
Acq: 9 Jul 2020 16:58

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBS02

Tot Ion:112 Resp: 137186
Ion Ratio Lower Upper
112 100
114 32.0 25.9 38.9

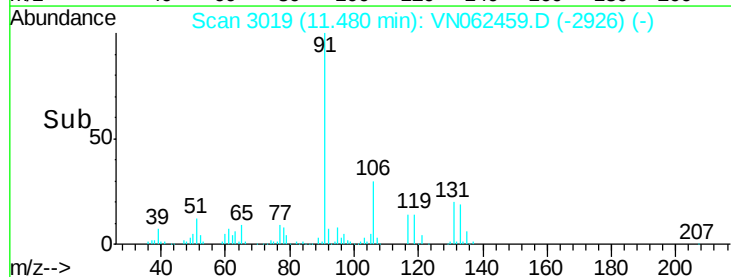
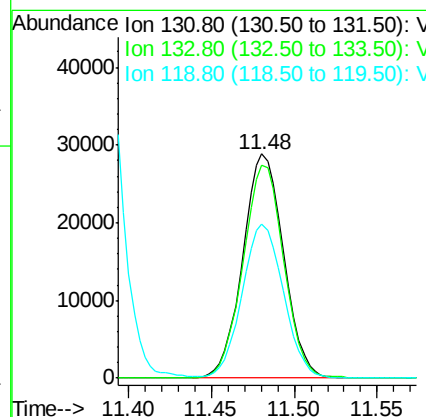
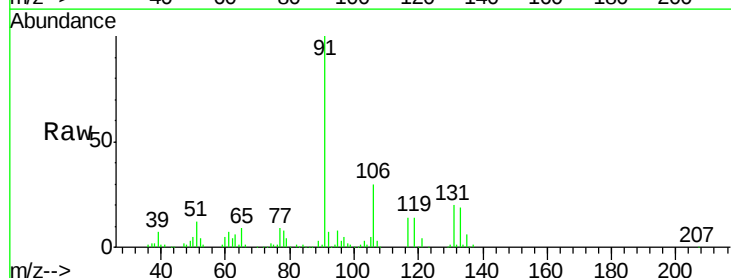
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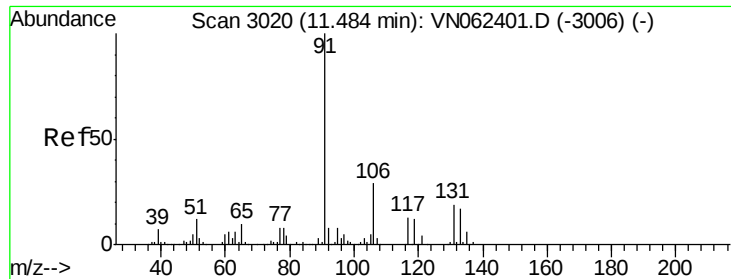
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.476 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. 0.00 min
Lab File: VN062459.D
Acq: 9 Jul 2020 16:58

Tgt Ion:131 Resp: 49498
Ion Ratio Lower Upper
131 100
133 95.0 46.9 140.8
119 69.5 33.2 99.6





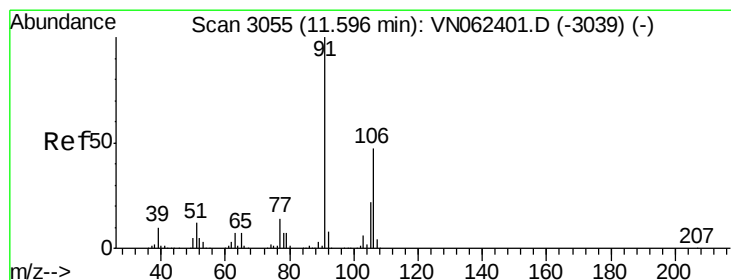
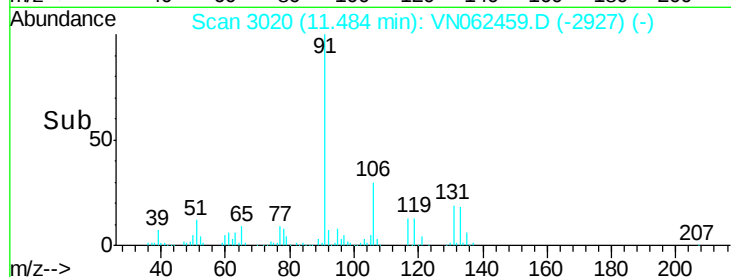
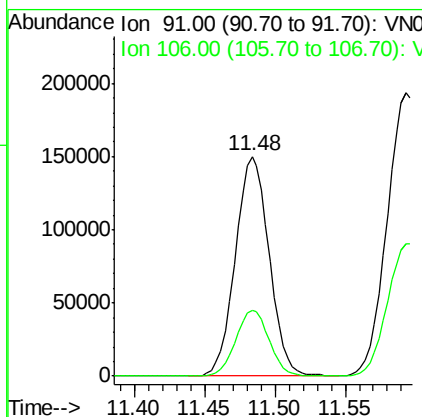
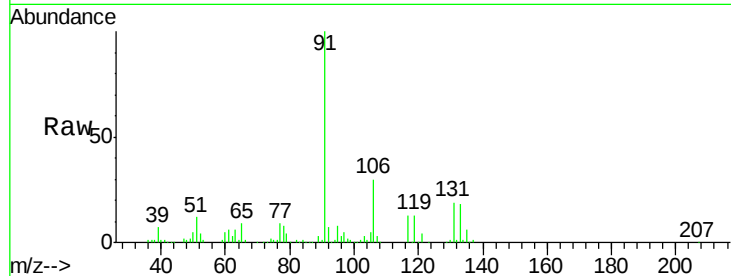
#67
Ethyl Benzene
Concen: 19.487 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN062459.D
Acq: 9 Jul 2020 16:58

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBS02

Tot Ion: 91 Resp: 252100
Ion Ratio Lower Upper
91 100
106 30.2 23.4 35.2

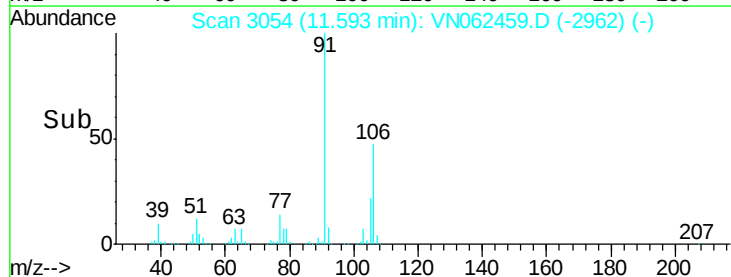
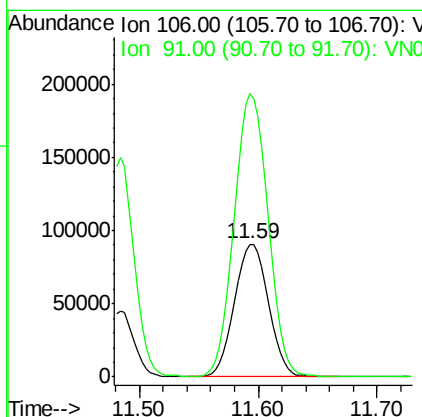
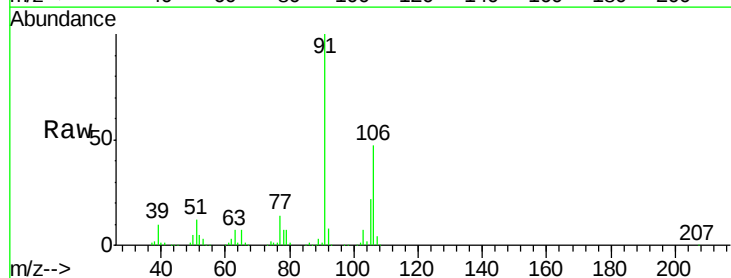
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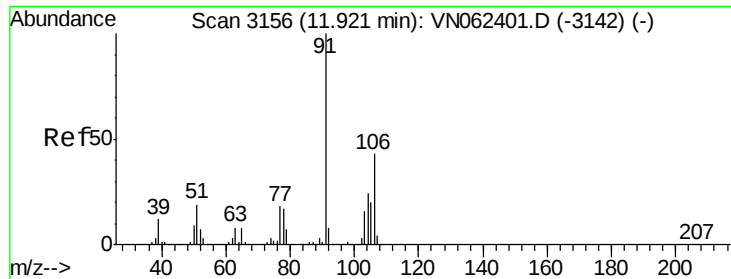
MMDadoda
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#68
m/p-Xylenes
Concen: 39.298 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN062459.D
Acq: 9 Jul 2020 16:58

Tgt Ion: 106 Resp: 179973
Ion Ratio Lower Upper
106 100
91 212.1 172.4 258.6





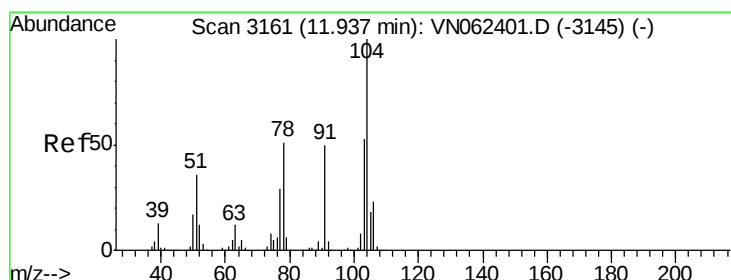
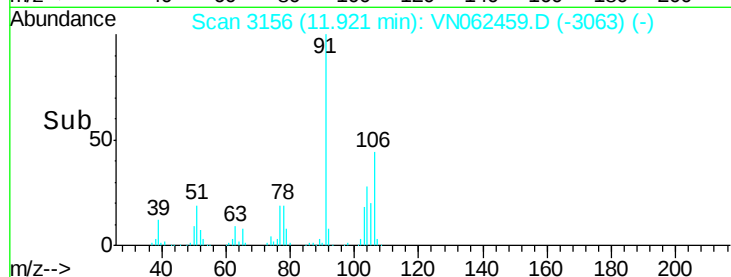
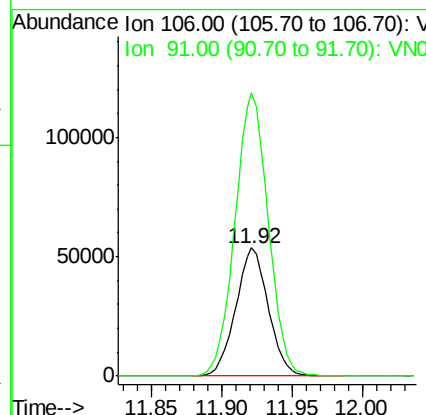
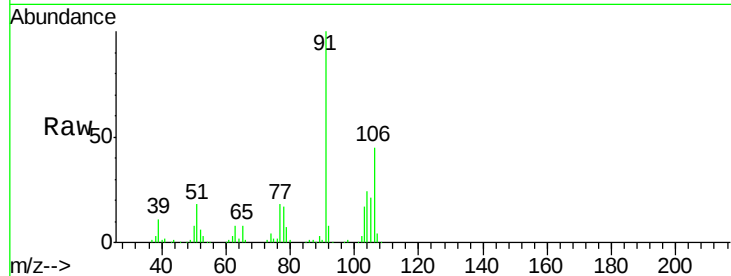
#69
o-Xylene
Concen: 19.521 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN062459.D
Acq: 9 Jul 2020 16:58

Instrument :
MSVOA_N
ClientSampled :
VN0709WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		87042		
91	225.7	113.8	341.4		

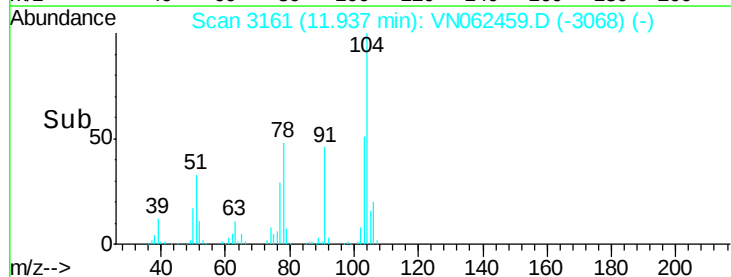
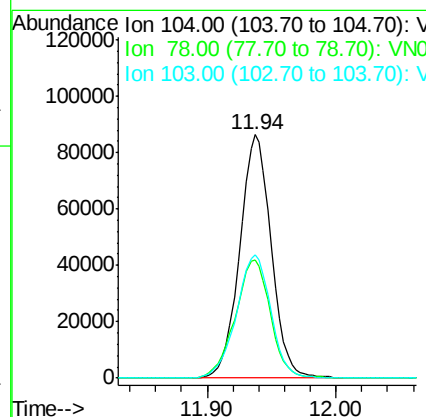
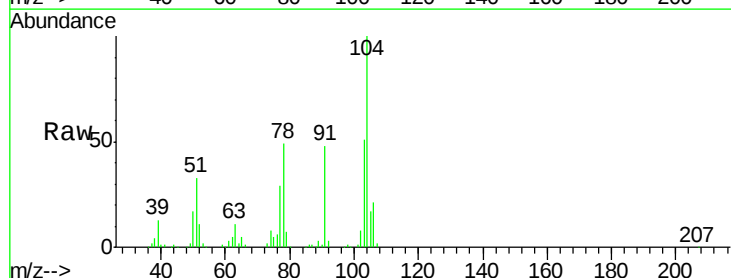
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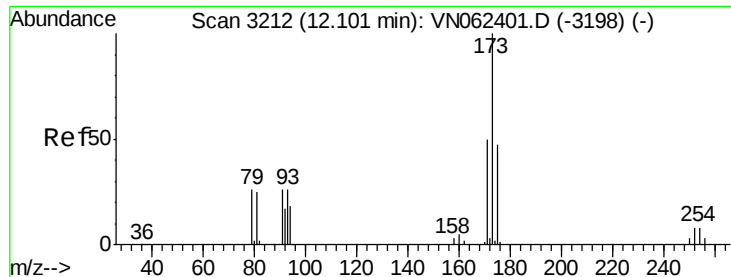
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#70
Styrene
Concen: 19.889 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN062459.D
Acq: 9 Jul 2020 16:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		146569		
78	54.2	44.2	66.4		
103	55.3	44.4	66.6		





#71

Bromoform

Concen: 19.666 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN062459.D

Acq: 9 Jul 2020 16:58

Instrument :

MSVOA_N

ClientSampleId :

VN0709WBS02

Tot Ion:173 Resp: 36640

Ion Ratio Lower Upper

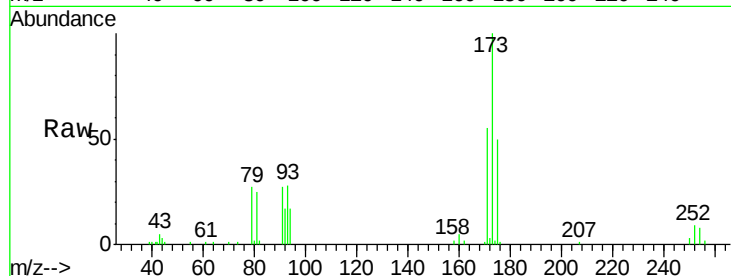
173 100

175 48.3 23.7 71.1

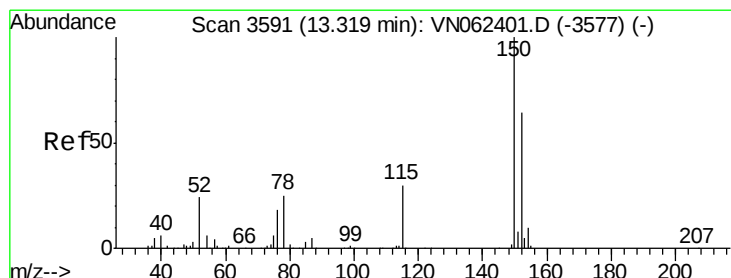
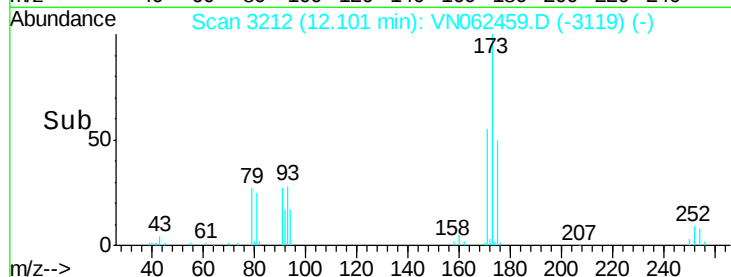
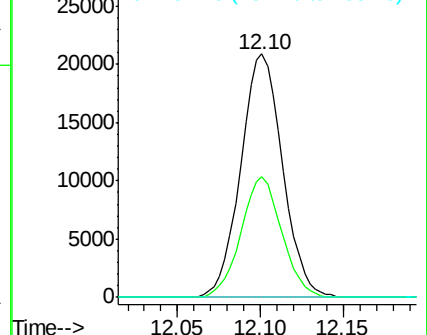
254 0.0 0.0 0.0

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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: VN062459.D

Acq: 9 Jul 2020 16:58

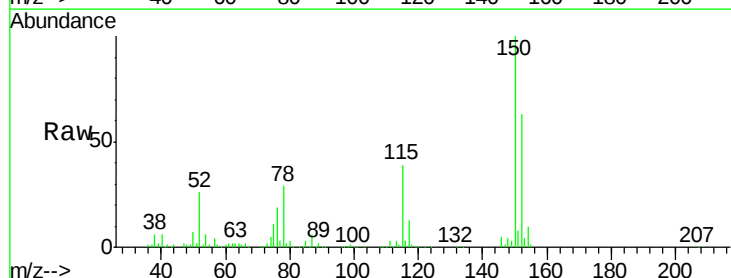
Tgt Ion:152 Resp: 155527

Ion Ratio Lower Upper

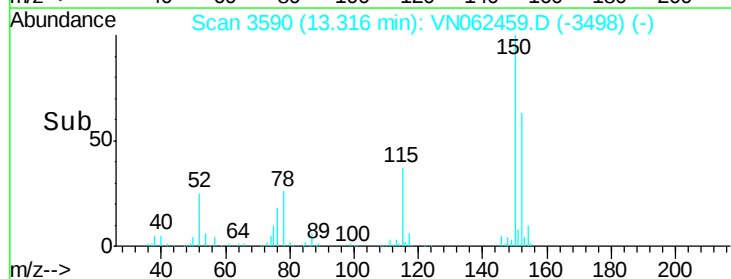
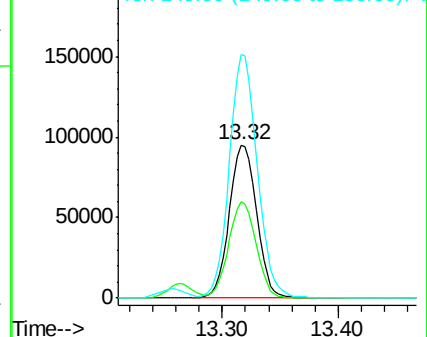
152 100

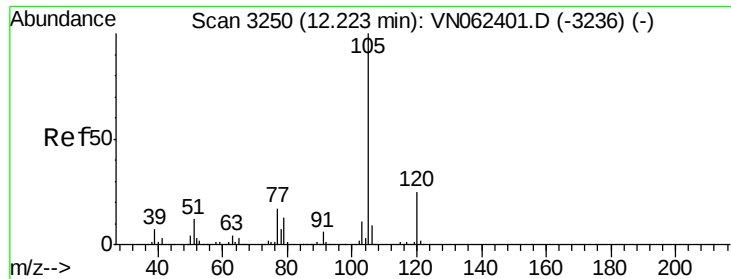
115 63.1 31.4 94.2

150 161.8 0.0 347.4



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: 19.567 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN062459.D

Acq: 9 Jul 2020 16:58

Instrument :

MSVOA_N

ClientSampleId :

VN0709WBS02

Tot Ion:105 Resp: 235488

Ion Ratio Lower Upper

105 100

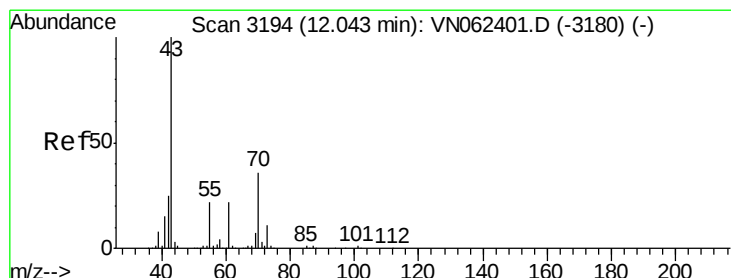
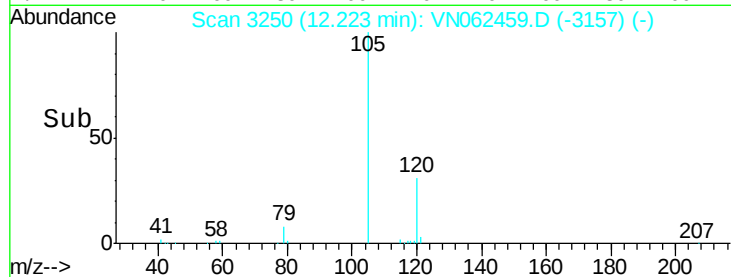
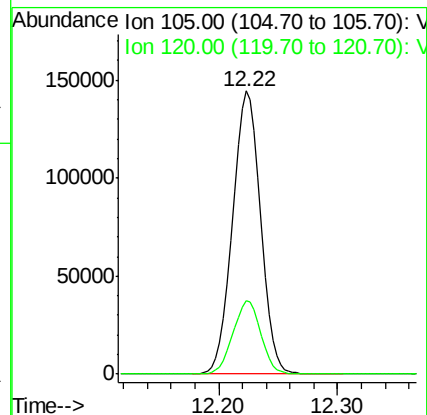
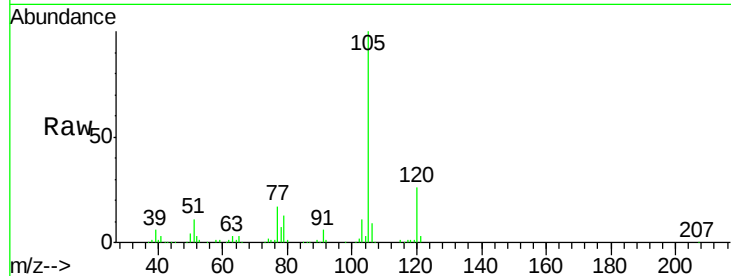
120 25.7 12.7 38.1

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#74

N-ethyl acetate

Concen: 19.274 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN062459.D

Acq: 9 Jul 2020 16:58

Tgt Ion: 43 Resp: 112901

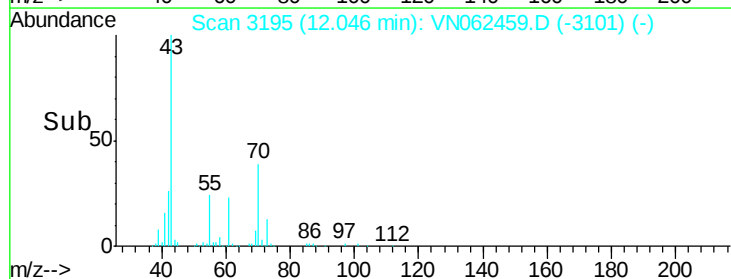
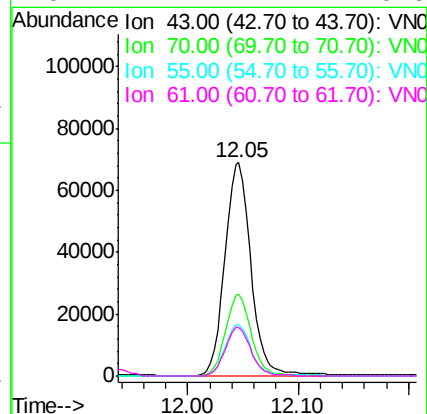
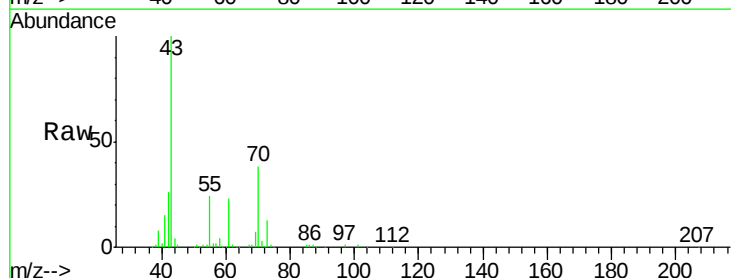
Ion Ratio Lower Upper

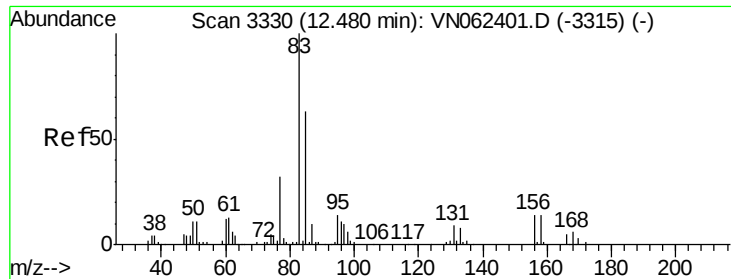
43 100

70 37.8 30.0 45.0

55 23.9 18.2 27.4

61 22.7 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.616 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN062459.D

Acq: 9 Jul 2020 16:58

Instrument :

MSVOA_N

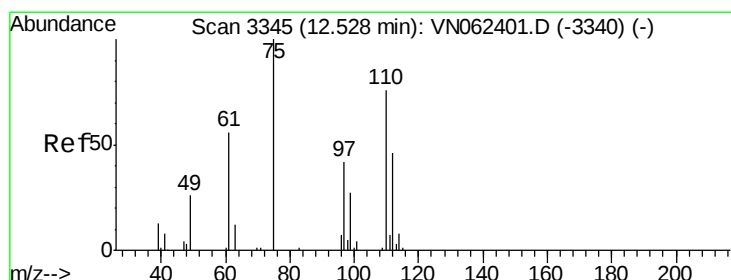
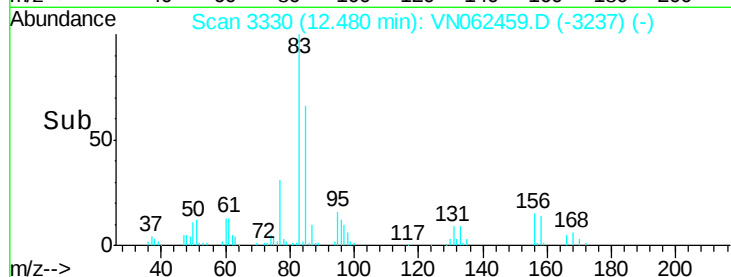
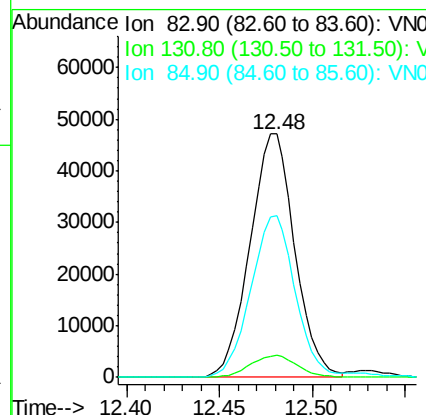
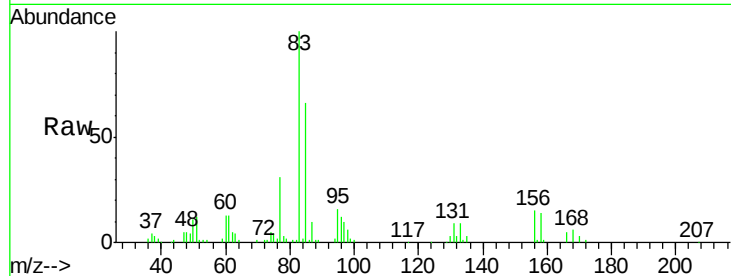
ClientSampleId :

VN0709WBS02

Tot Ion:	83	Resp:	79380
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.5	13.5
85	67.1	31.9	95.9

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#76

1,2,3-Trichloropropane

Concen: 18.209 ug/l m

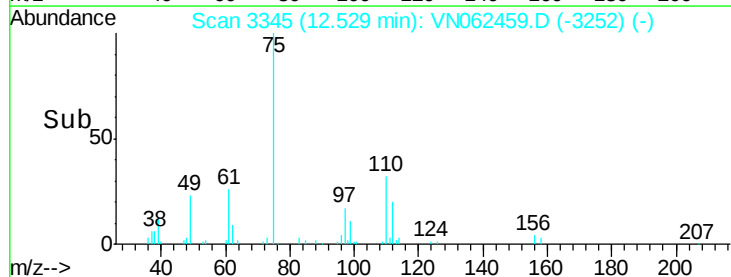
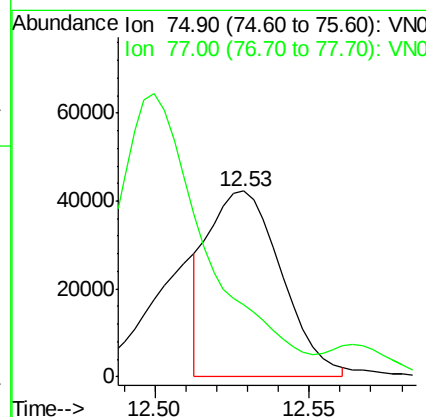
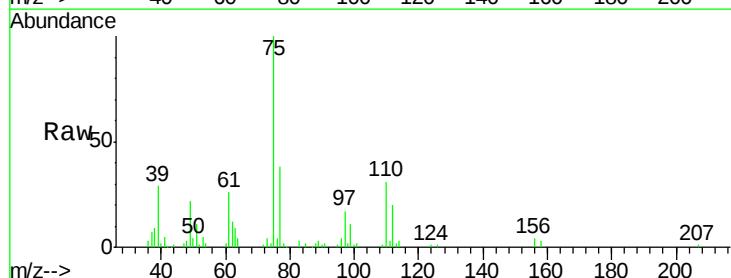
RT: 12.53 min Scan# 3345

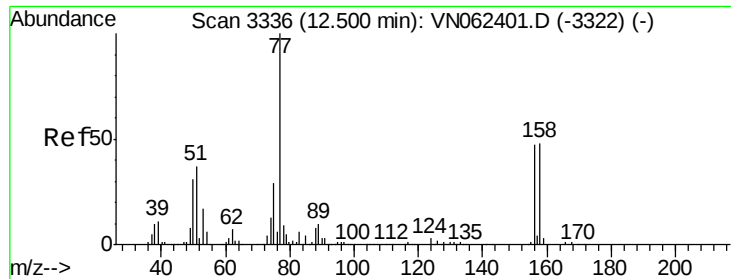
Delta R.T. 0.00 min

Lab File: VN062459.D

Acq: 9 Jul 2020 16:58

Tgt Ion:	75	Resp:	69489
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





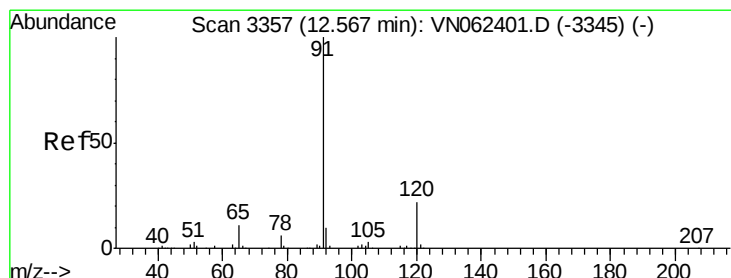
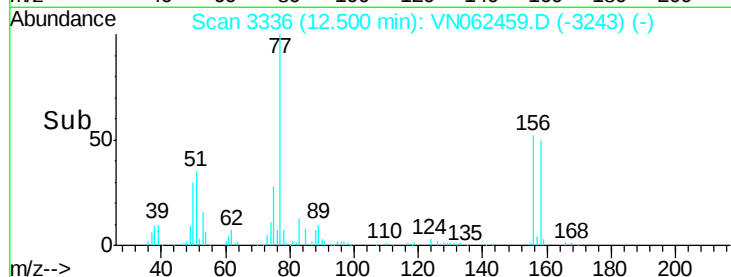
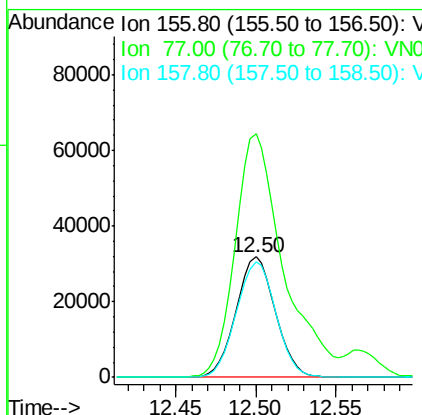
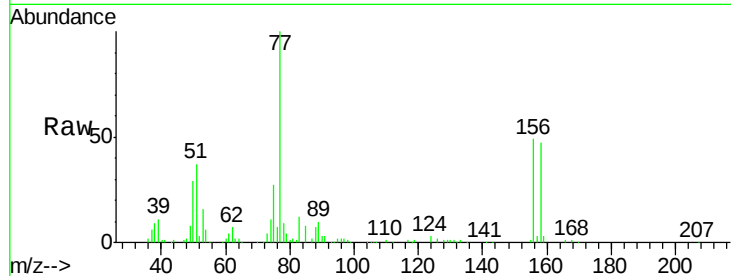
#77
Bromobenzene
Concen: 19.492 ug/l
RT: 12.50 min Scan# 3336
Delta R.T. 0.00 min
Lab File: VN062459.D
Acq: 9 Jul 2020 16:58

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBS02

Tot Ion	Ratio	Lower	Upper
156	100		
77	248.5	126.4	379.3
158	96.4	49.8	149.4

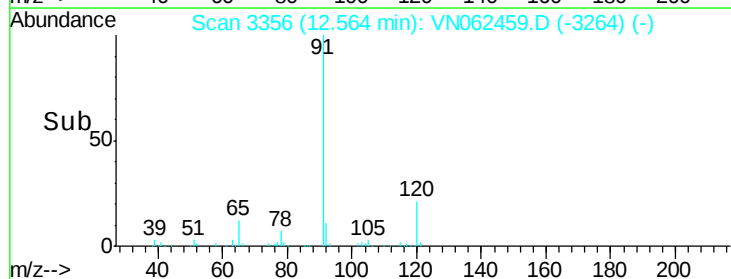
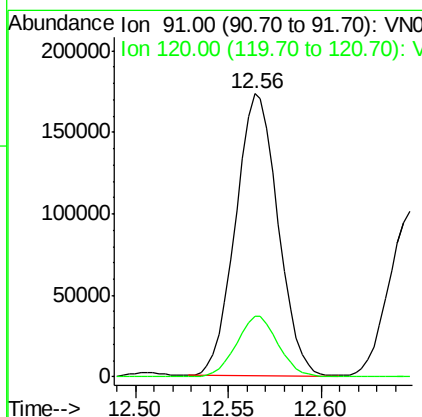
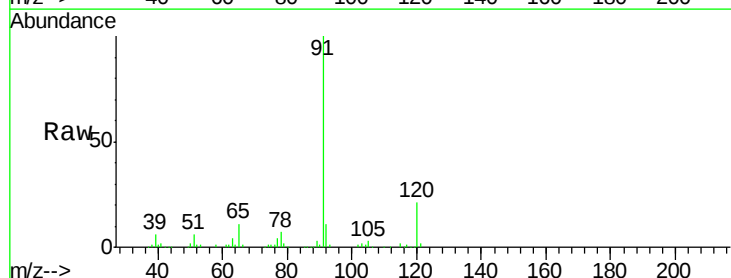
Manual Integrations
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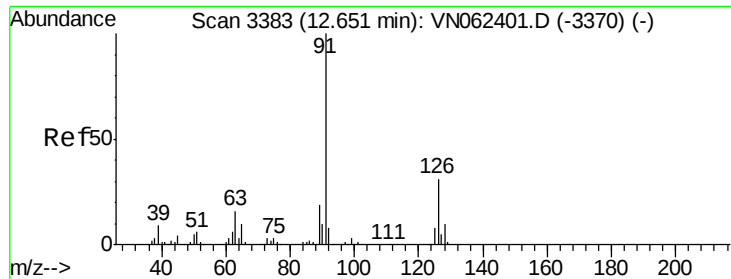
MMDadoda
7/10/2020 9:23:23 AM



#78
n-propylbenzene
Concen: 19.528 ug/l
RT: 12.56 min Scan# 3356
Delta R.T. -0.00 min
Lab File: VN062459.D
Acq: 9 Jul 2020 16:58

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.2	10.7	32.1





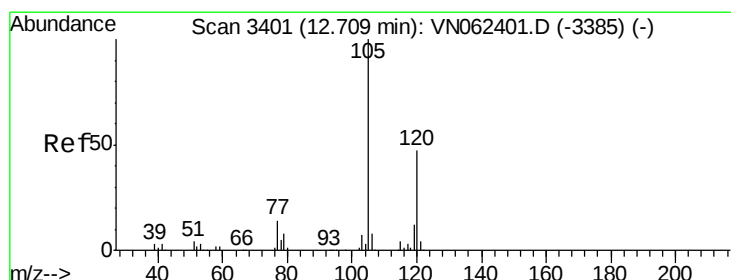
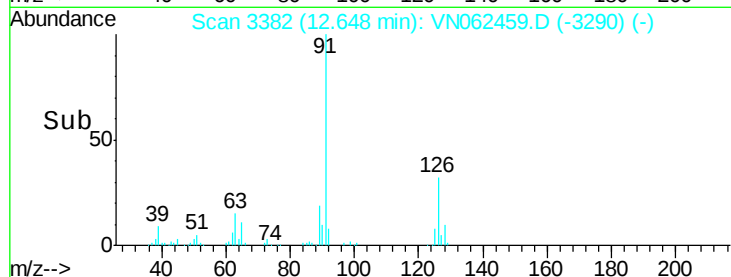
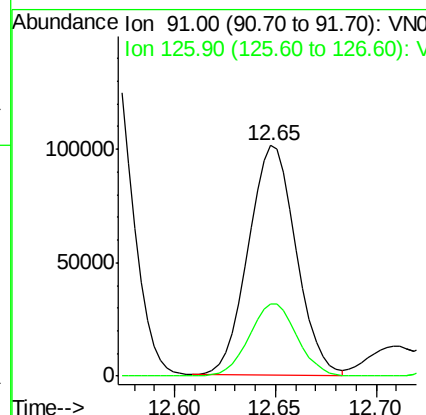
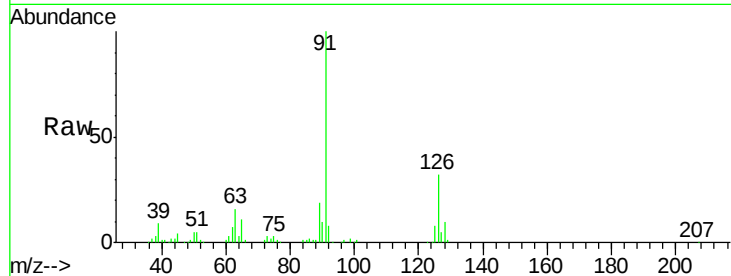
#79
 2-Chlorotoluene
 Concen: 19.593 ug/l
 RT: 12.65 min Scan# 3382
 Delta R.T. -0.00 min
 Lab File: VN062459.D
 Acq: 9 Jul 2020 16:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBS02

Tot Ion: 91 Resp: 167172
 Ion Ratio Lower Upper
 91 100
 126 31.8 15.6 46.7

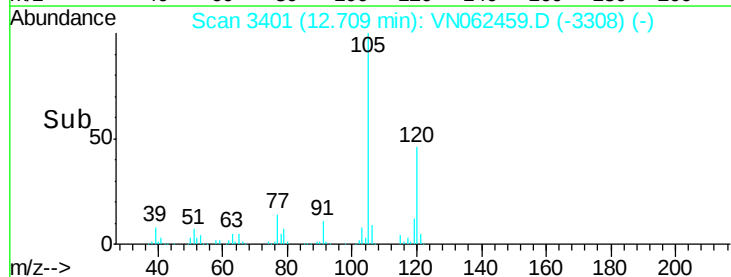
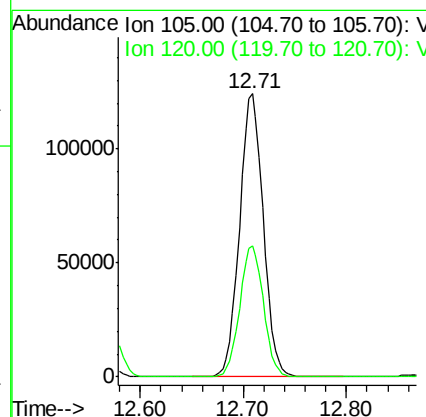
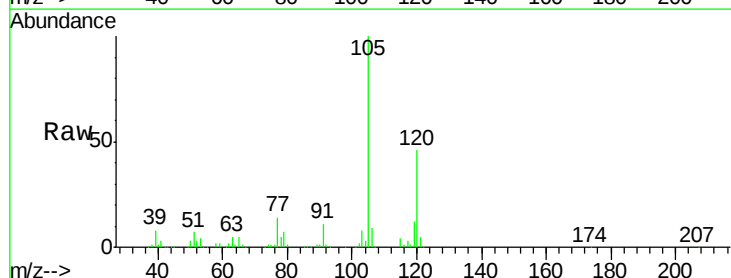
Manual Integrations
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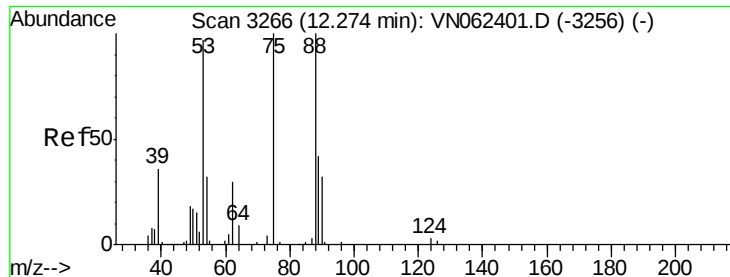
MMDadoda
 7/10/2020 9:23:23 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 20.205 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN062459.D
 Acq: 9 Jul 2020 16:58

Tgt Ion: 105 Resp: 199343
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.4 70.2





#81

trans-1,4-Dichloro-2-butene

Concen: 18.099 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN062459.D

Acq: 9 Jul 2020 16:58

Instrument :

MSVOA_N

ClientSampleId :

VN0709WBS02

Tot Ion: 75 Resp: 25804

Ion Ratio Lower Upper

75 100

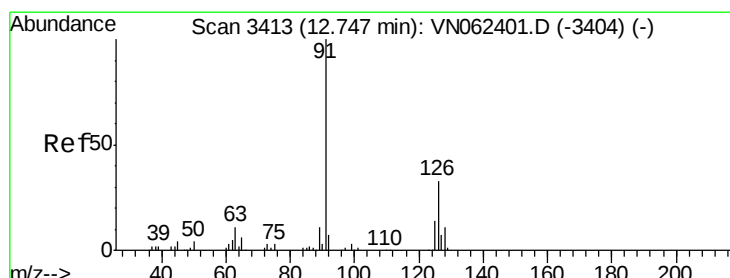
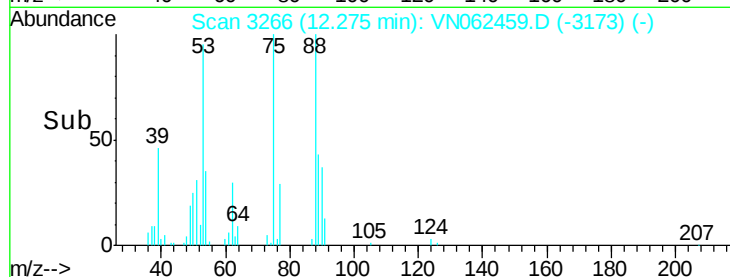
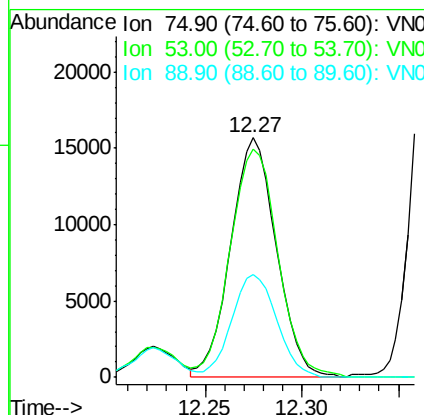
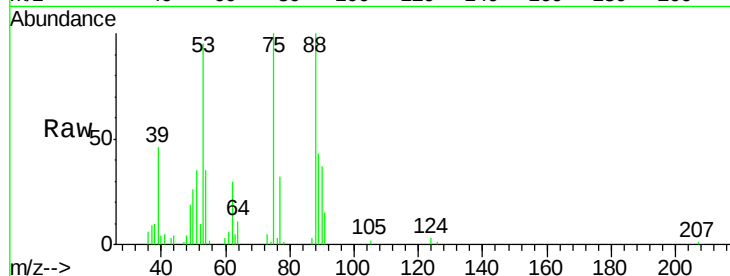
53 100.0 79.2 118.8

89 42.3 34.6 52.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.509 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN062459.D

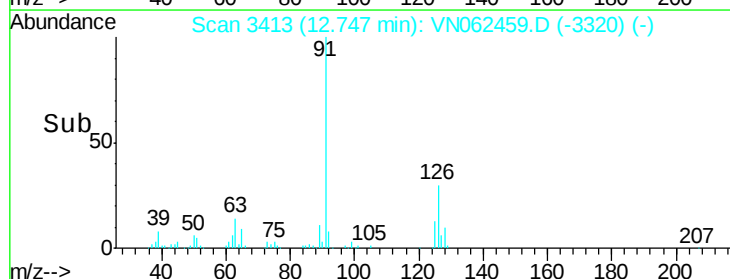
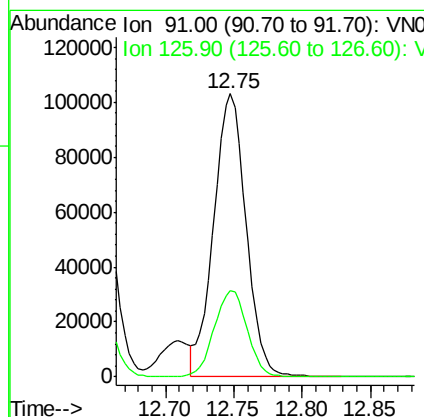
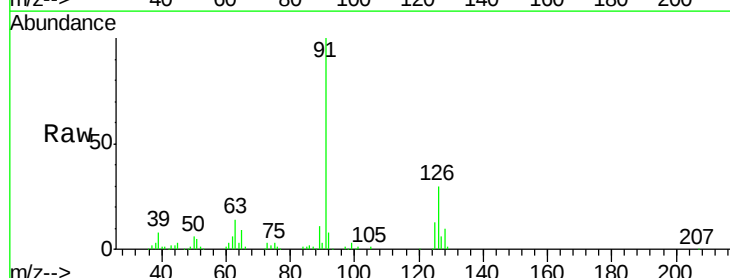
Acq: 9 Jul 2020 16:58

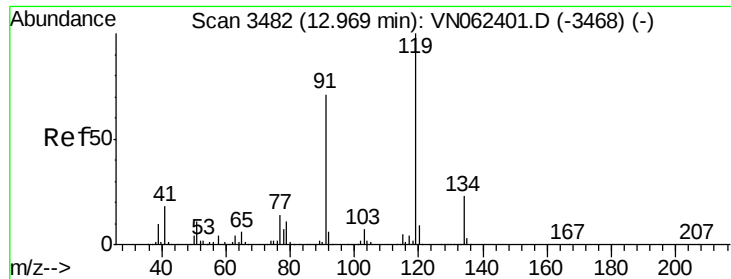
Tgt Ion: 91 Resp: 168989

Ion Ratio Lower Upper

91 100

126 31.2 15.2 45.6





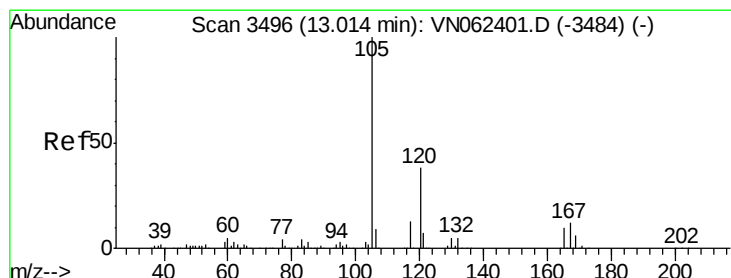
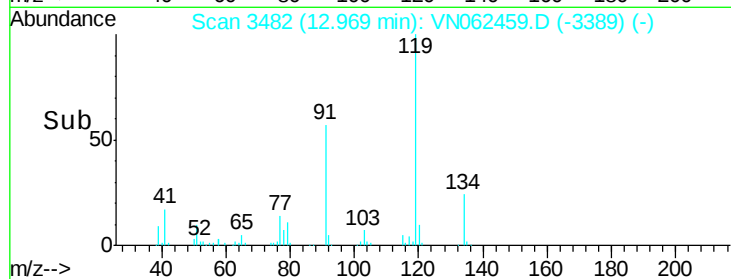
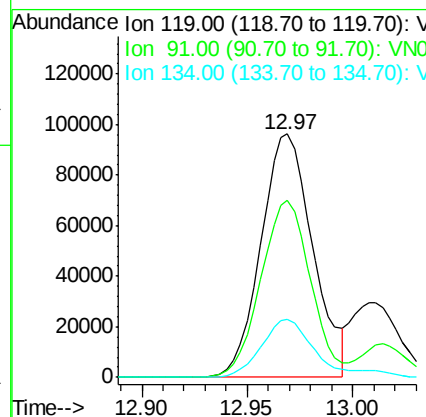
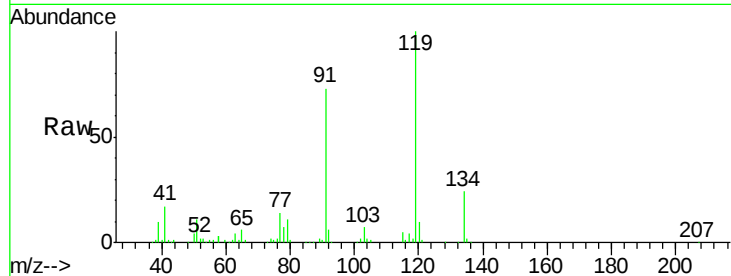
#83
 tert-Butylbenzene
 Concen: 19.704 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. 0.00 min
 Lab File: VN062459.D
 Acq: 9 Jul 2020 16:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.9	34.8	104.3
134	25.3	11.7	35.0

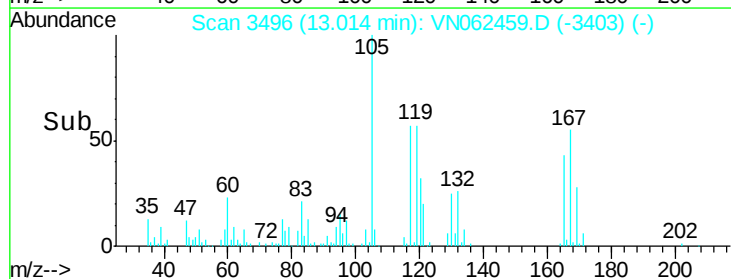
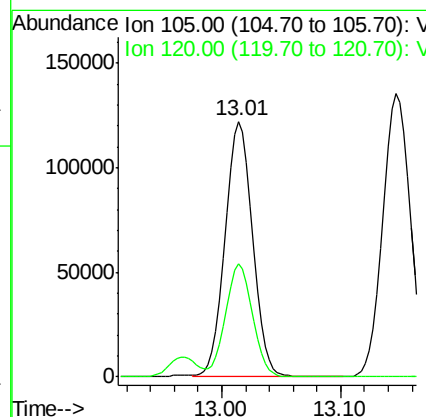
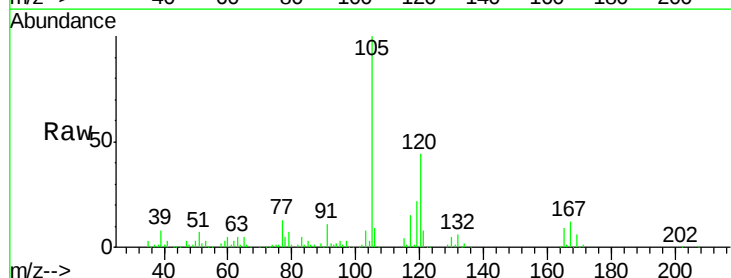
Manual Integrations
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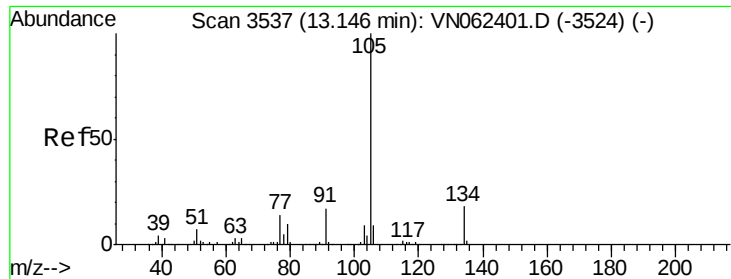
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.985 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN062459.D
 Acq: 9 Jul 2020 16:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.5	21.6	64.8





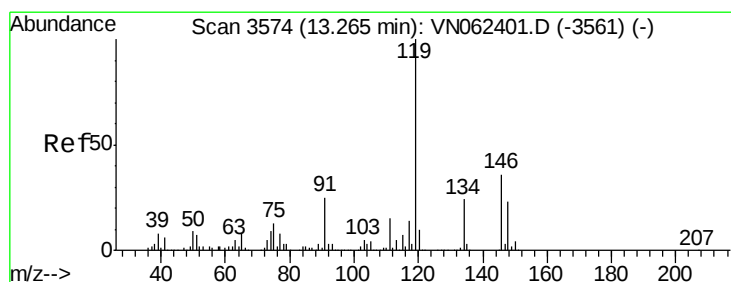
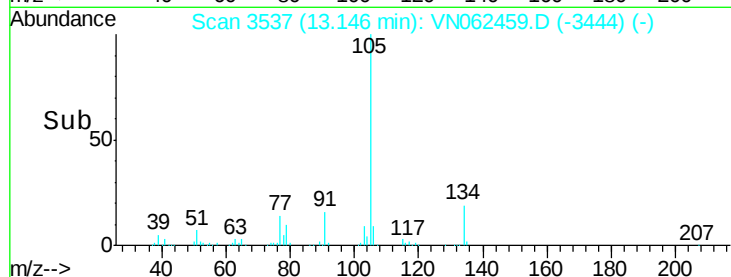
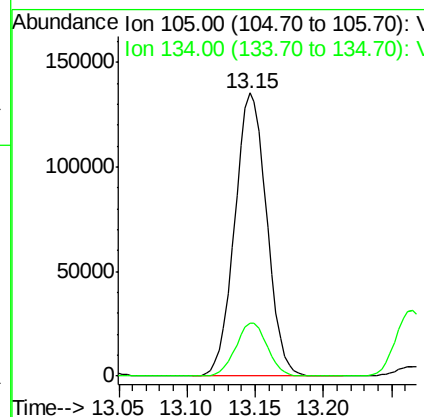
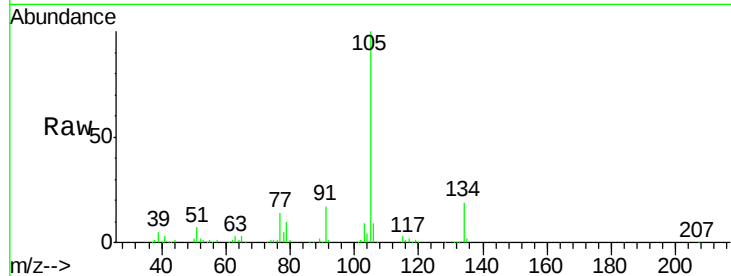
#85
 sec-Butylbenzene
 Concen: 19.833 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. 0.00 min
 Lab File: VN062459.D
 Acq: 9 Jul 2020 16:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBS02

Tot Ion	Ratio	Resp	Lower	Upper
105	100	220043		
134	18.6	9.3	28.0	

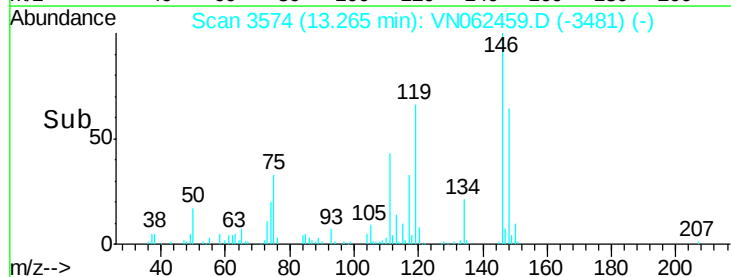
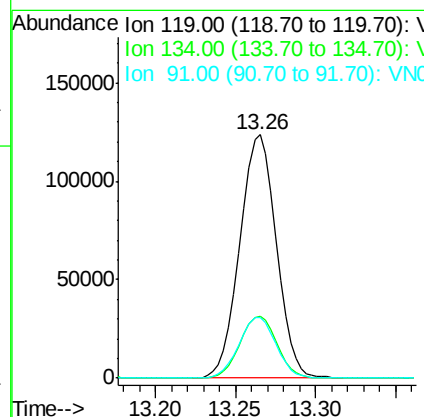
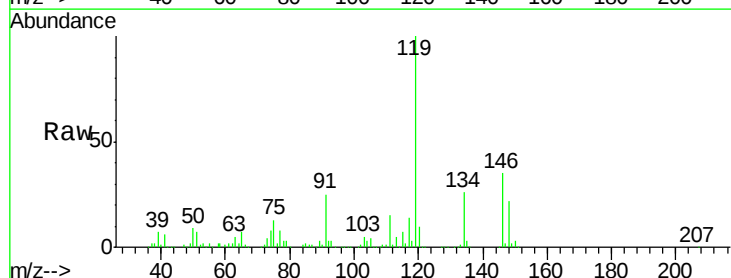
Manual Integrations
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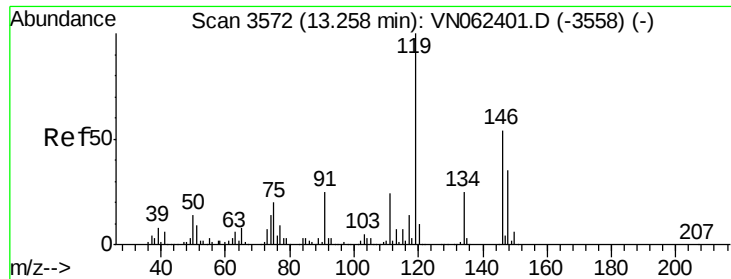
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 20.080 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. 0.00 min
 Lab File: VN062459.D
 Acq: 9 Jul 2020 16:58

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	192274		
134	25.6	12.4	37.0	
91	25.5	12.4	37.4	





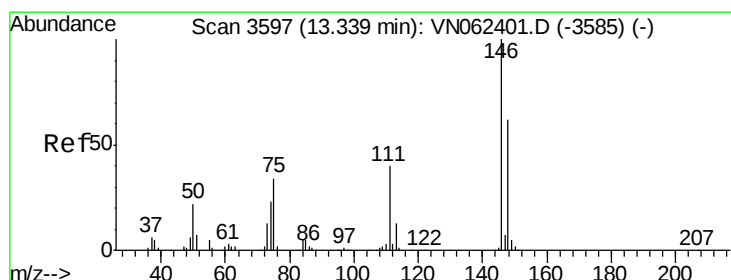
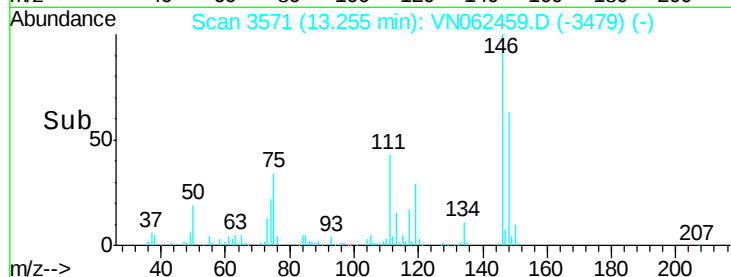
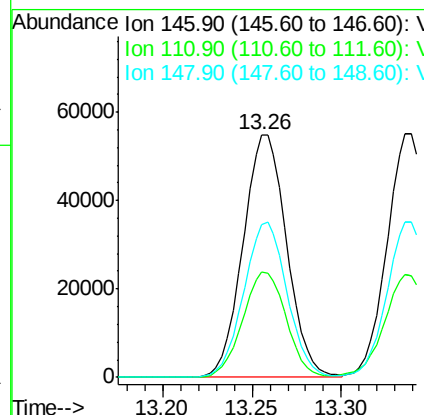
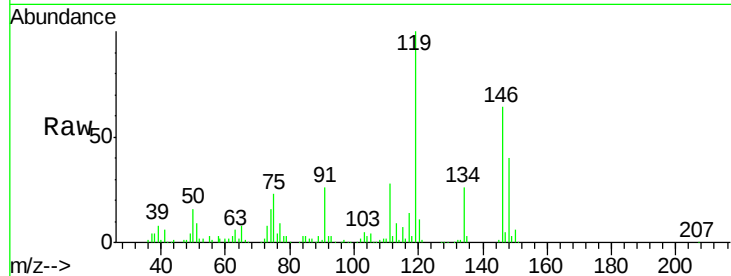
#87
 1,3-Dichlorobenzene
 Concen: 19.811 ug/l
 RT: 13.26 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VN062459.D
 Acq: 9 Jul 2020 16:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.6	64.6
148	63.5	32.2	96.6

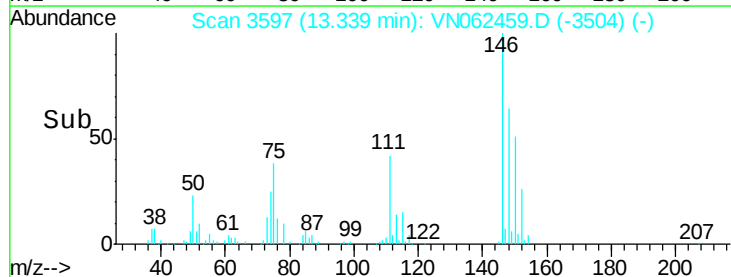
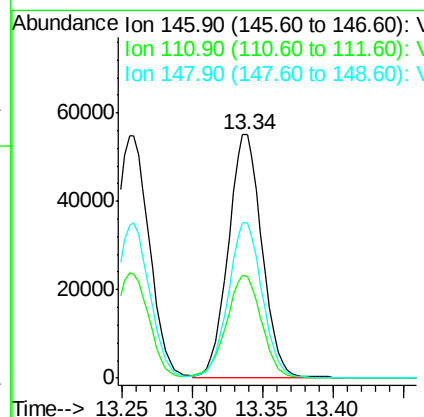
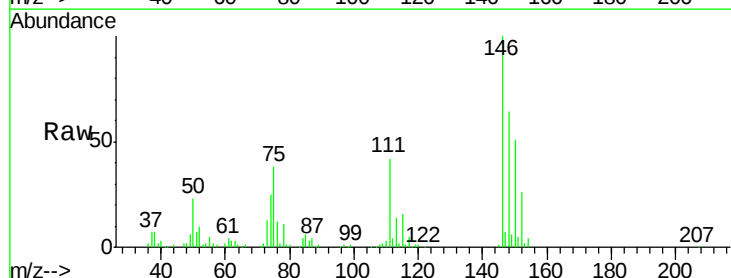
Manual Integrations
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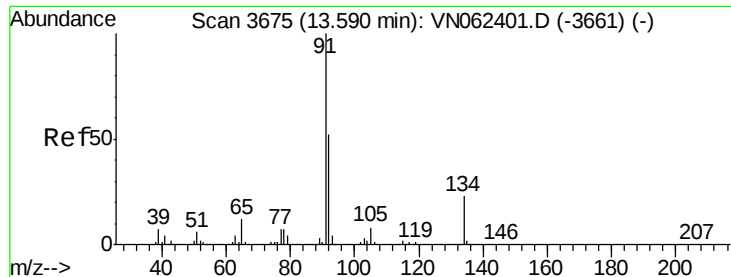
MMDadoda
 7/10/2020 9:23:23 AM



#88
 1,4-Dichlorobenzene
 Concen: 18.844 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN062459.D
 Acq: 9 Jul 2020 16:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.6	21.1	63.1
148	64.7	31.4	94.2





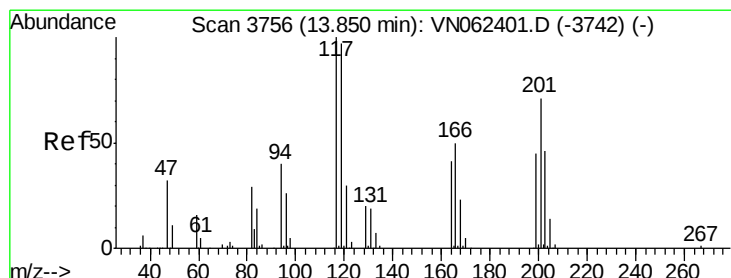
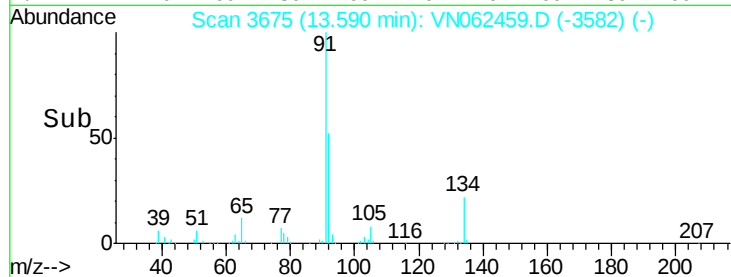
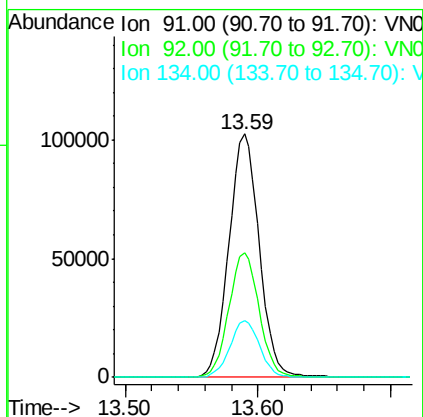
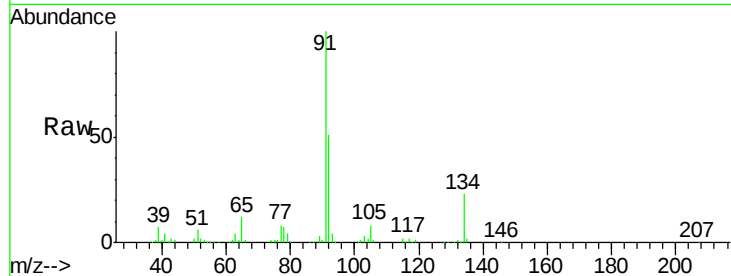
#89
n-Butylbenzene
Concen: 19.278 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN062459.D
Acq: 9 Jul 2020 16:58

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.1	25.9	77.7
134	22.9	11.6	34.8

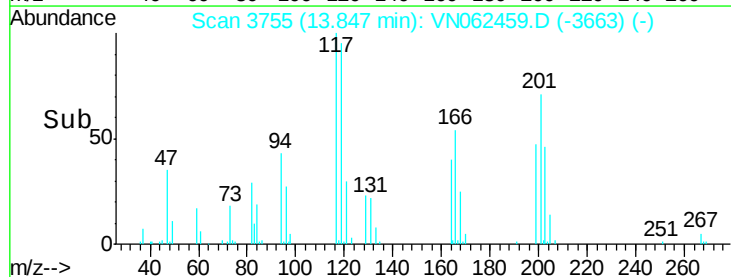
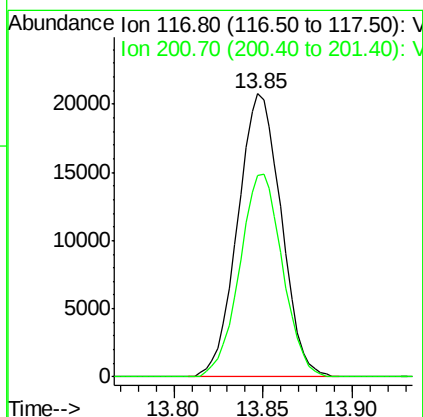
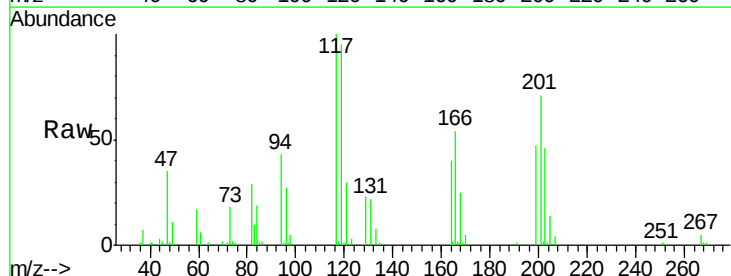
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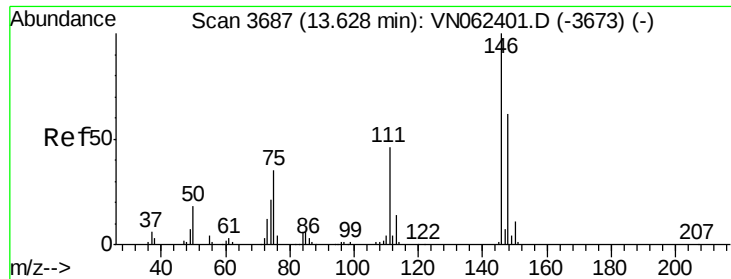
MMDadoda
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#90
Hexachloroethane
Concen: 18.776 ug/l
RT: 13.85 min Scan# 3755
Delta R.T. -0.00 min
Lab File: VN062459.D
Acq: 9 Jul 2020 16:58

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.5	35.4	106.2





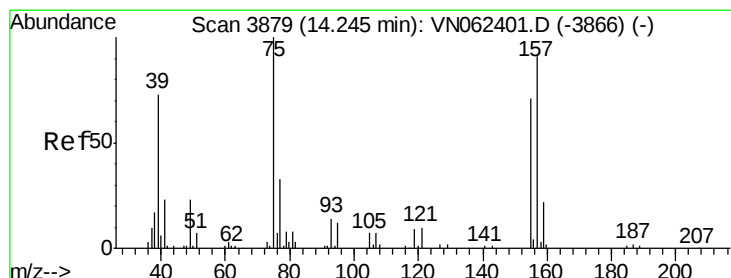
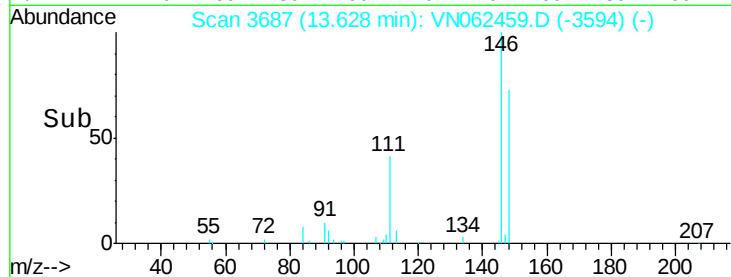
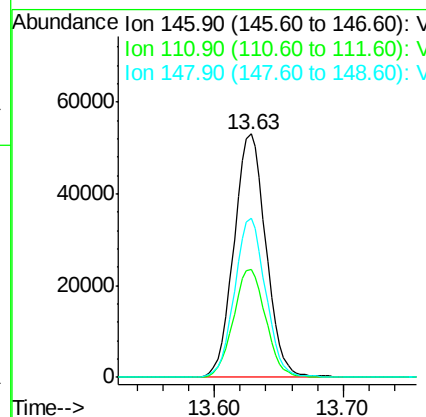
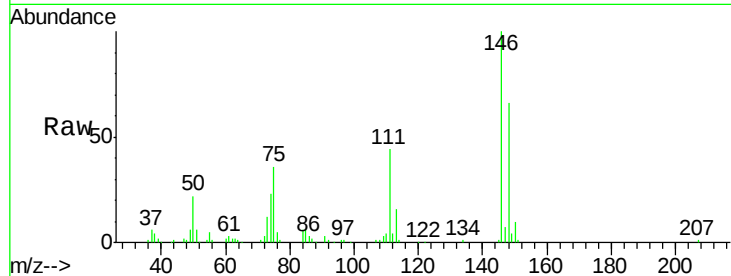
#91
 1,2-Dichlorobenzene
 Concen: 20.071 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN062459.D
 Acq: 9 Jul 2020 16:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.7	22.5	67.5
148	63.1	31.4	94.2

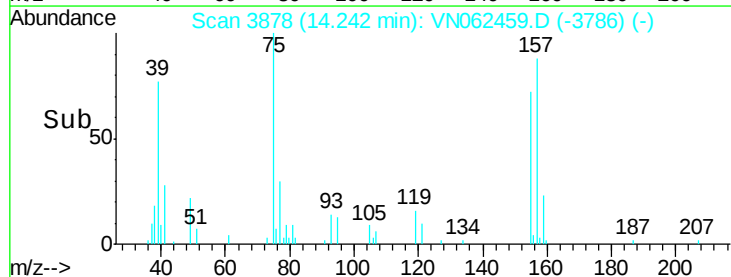
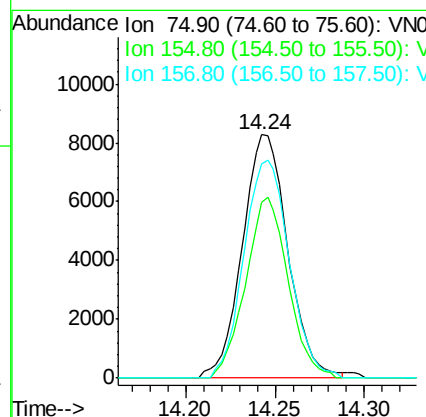
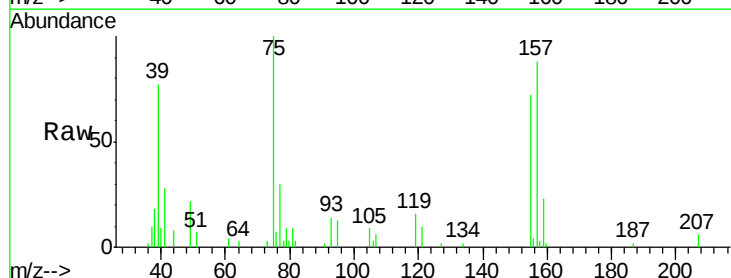
Manual Integrations
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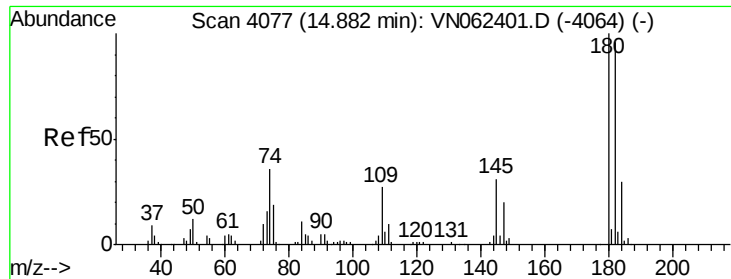
MMDadoda
 7/10/2020 9:23:23 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.917 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN062459.D
 Acq: 9 Jul 2020 16:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.3	35.2	105.6
157	89.4	45.8	137.3





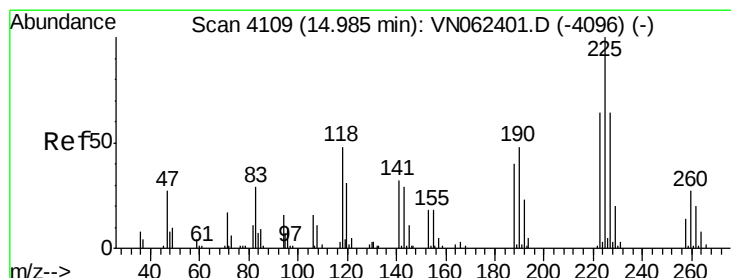
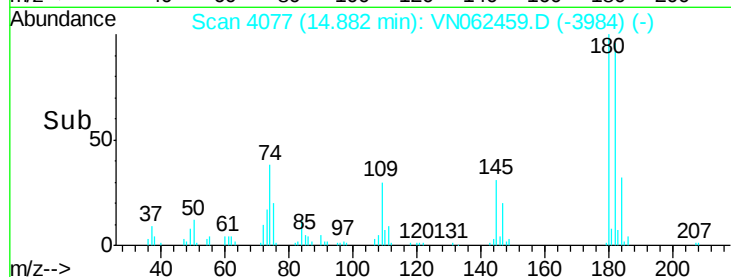
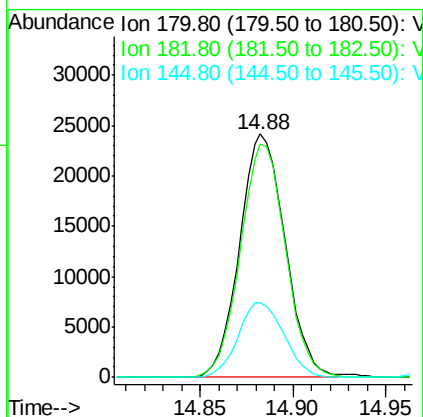
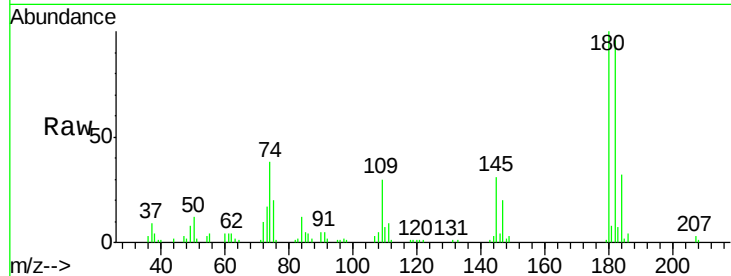
#93
 1,2,4-Trichlorobenzene
 Concen: 18.977 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN062459.D
 Acq: 9 Jul 2020 16:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	48.4	145.2
145	30.9	15.5	46.5

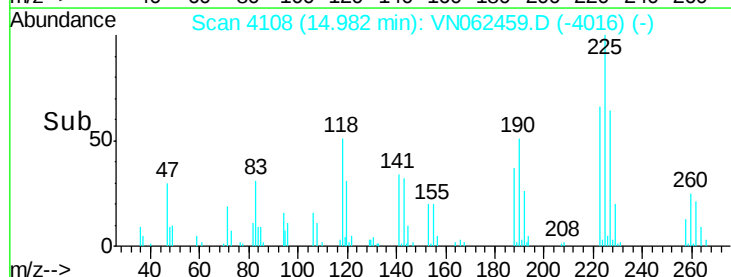
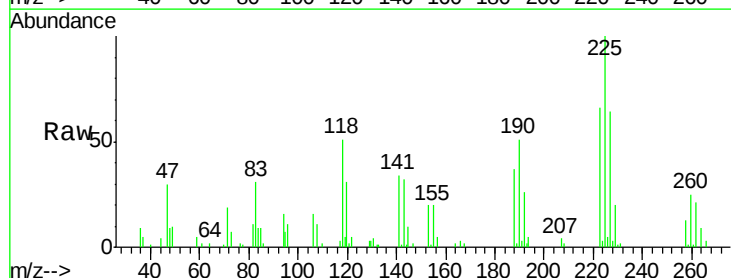
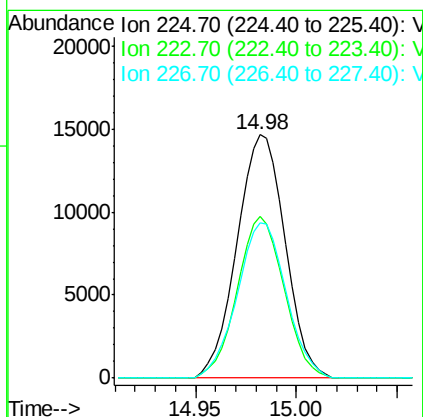
Manual Integrations
 APPROVED

MMDadoda
 7/10/2020 9:23:23 AM



#94
 Hexachlorobutadiene
 Concen: 20.174 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN062459.D
 Acq: 9 Jul 2020 16:58

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.6	32.3	96.8
227	64.8	31.9	95.7





#95

Naphthalene

Concen: 20.129 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN062459.D

Acq: 9 Jul 2020 16:58

Instrument :

MSVOA_N

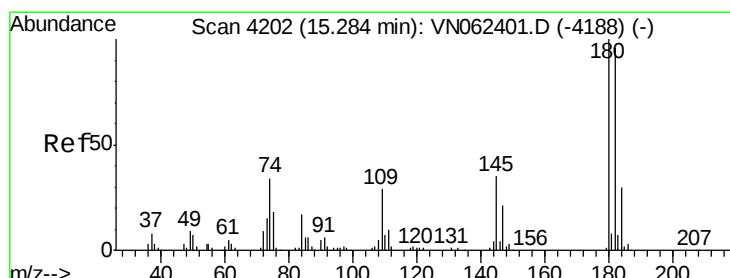
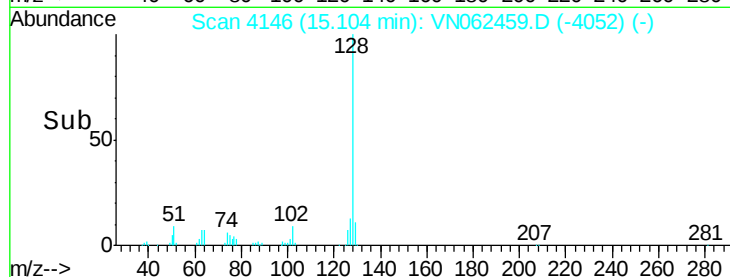
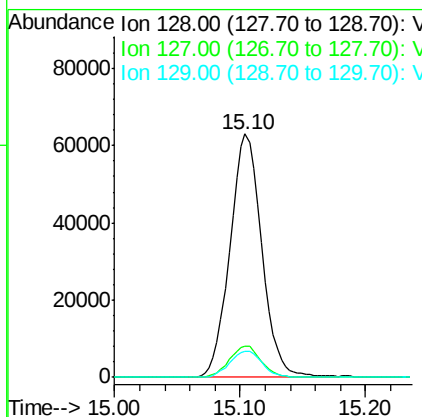
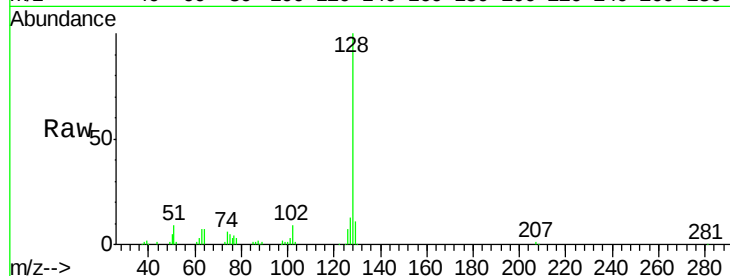
ClientSampleId :

VN0709WBS02

Tot Ion:	128	Resp:	111174
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.2
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
7/10/2020 9:23:23 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.406 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN062459.D

Acq: 9 Jul 2020 16:58

Tgt Ion:	180	Resp:	42513
Ion Ratio	Lower	Upper	
180	100		
182	94.7	47.8	143.4
145	31.6	17.0	50.9

