

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081420\
 Data File : VN062938.D
 Acq On : 14 Aug 2020 14:02
 Operator : JC/MD
 Sample : VN0814WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/17/2020 5:45:06 PM

Quant Time: Aug 14 17:30:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N081420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 14 06:20:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	26418	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	137693	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	131911	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	71481	30.29	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.97%
60) 4-Bromofluorobenzene	12.38	95	66089	28.45	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.83%
63) Toluene-d8	10.06	98	186022	30.16	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.53%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	45787	20.216	ug/l 99
3) Chloromethane	2.03	50	34276	17.472	ug/l 95
4) Vinyl Chloride	2.16	62	34828	16.805	ug/l 93
5) Bromomethane	2.52	94	27482	15.376	ug/l 96
6) Chloroethane	2.66	64	38261	21.288	ug/l 94
7) Trichlorofluoromethane	2.98	101	81709	20.220	ug/l 100
8) Diethyl Ether	3.38	74	16711	18.893	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	3.71	101	26101	19.633	ug/l 96
10) 1,1-Dichloroethene	3.69	96	21912	17.978	ug/l 91
11) Methyl Iodide	3.91	142	21286	12.574	ug/l 97
12) Methyl Acetate	4.28	43	31919	17.290	ug/l 100
13) Acrolein	3.57	56	18035	76.466	ug/l 97
14) Acrylonitrile	4.94	53	72091	89.458	ug/l 96
15) Acetone	3.78	58	20258	94.118	ug/l 91
16) Carbon Disulfide	4.01	76	61285	17.630	ug/l 98
17) Allyl chloride	4.27	41	38863	18.509	ug/l 91
18) Methylene Chloride	4.50	84	30321	19.228	ug/l 91
19) trans-1,2-Dichloroethene	4.99	96	25158	18.482	ug/l 95
20) Diisopropyl ether	5.90	45	92583	18.836	ug/l 97
21) 1,1-Dichloroethane	5.80	63	54063	18.792	ug/l 97
22) cis-1,2-Dichloroethene	6.78	96	30365	18.657	ug/l # 89
23) tert-Butyl Alcohol	4.74	59	27677	80.277	ug/l # 100
24) Methyl tert-Butyl Ether	5.00	73	97282	18.367	ug/l # 73
25) Chloroform	7.33	83	60168	19.275	ug/l 97
26) Cyclohexane	7.61	56	43389	17.814	ug/l # 96
29) 1,1-Dichloropropene	7.75	75	38496	18.954	ug/l 99
30) 2-Butanone	6.79	43	95029	90.632	ug/l 99
31) 2,2-Dichloropropane	6.77	77	49572	24.511	ug/l 97
32) 1,1,1-Trichloroethane	7.53	97	54755	19.676	ug/l 96
33) Carbon Tetrachloride	7.73	117	47508	19.252	ug/l 96
34) Benzene	8.00	78	112401	18.409	ug/l 94
35) Methacrylonitrile	7.13	41	15388	16.543	ug/l 97
36) 1,2-Dichloroethane	8.08	62	50765	19.142	ug/l 98
37) Trichloroethene	8.80	130	29301	19.347	ug/l 95
38) Methylcyclohexane	9.05	83	43889	18.066	ug/l 98
39) 1,2-Dichloropropane	9.08	63	31053	18.632	ug/l 97
40) Dibromomethane	9.17	93	22020	19.506	ug/l 98

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 ALS Vial : 7 Sample Multiplier: 1

Instrument :
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 ClientSampleID :
 VN0814WBS01

Manual Integrations
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Quant Time: Aug 14 17:30:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N081420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 14 06:20:27 2020
 Response via : Initial Calibration

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

41) Bromodichloromethane	9.37	83	49674	19.605	ug/l	97
42) Vinyl Acetate	5.85	43	312231	88.099	ug/l	100
43) Ethyl Acetate	6.88	43	36774	17.855	ug/l #	83
44) Isopropyl Acetate	8.12	43	59793	17.778	ug/l	96
45) 1,4-Dioxane	9.17	88	11435	347.169	ug/l	96
46) Methyl methacrylate	9.17	41	29068	17.283	ug/l	98
47) n-amyl Acetate	12.05	43	50885	16.959	ug/l	97
48) t-1,3-Dichloropropene	10.35	75	48962	18.498	ug/l	97
49) cis-1,3-Dichloropropene	9.81	75	50806	19.101	ug/l	100
50) 1,1,2-Trichloroethane	10.53	97	31450	19.384	ug/l	97
51) Ethyl methacrylate	10.40	69	43490	17.608	ug/l	94
52) 1,3-Dichloropropane	10.68	76	53359	19.034	ug/l	99
53) Dibromochloromethane	10.88	129	37351	19.258	ug/l	99
54) 1,2-Dibromoethane	10.98	107	30896	18.608	ug/l	99
55) 2-Chloroethyl vinyl ether	9.66	63	45602	76.292	ug/l	97
56) Bromoform	12.10	173	26604	19.325	ug/l	99
58) 4-Methyl-2-Pentanone	9.95	43	203117	88.491	ug/l	99
59) 2-Hexanone	10.72	43	145804	86.996	ug/l	99
61) Tetrachloroethene	10.60	164	26154	19.178	ug/l	96
62) Toluene	10.13	91	129316	18.593	ug/l	100
64) Chlorobenzene	11.41	112	82208	18.842	ug/l	94
65) 1,1,1,2-Tetrachloroethane	11.48	131	35143	19.478	ug/l	97
66) Ethyl Benzene	11.48	91	142438	18.396	ug/l	99
67) m/p-Xylenes	11.60	106	106262	37.074	ug/l	99
68) o-Xylene	11.92	106	50684	18.421	ug/l	97
69) Styrene	11.94	104	88425	18.100	ug/l	99
70) Isopropylbenzene	12.22	105	143967	18.386	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.48	83	47751	18.527	ug/l	99
72) 1,2,3-Trichloropropane	12.53	75	45650m	17.885	ug/l	
73) Bromobenzene	12.50	156	35399	18.438	ug/l	98
74) n-propylbenzene	12.57	91	163474	18.092	ug/l	98
75) 2-Chlorotoluene	12.65	91	104365	18.398	ug/l	99
76) 1,3,5-Trimethylbenzene	12.71	105	127601	18.328	ug/l	99
77) t-1,4-Dichloro-2-butene	12.28	75	11474	13.960	ug/l	92
78) 4-Chlorotoluene	12.75	91	104587	18.127	ug/l	98
79) tert-butylbenzene	12.97	119	105029	18.264	ug/l	98
80) 1,2,4-Trimethylbenzene	13.01	105	123530	18.156	ug/l	98
81) sec-Butylbenzene	13.15	105	140123	18.456	ug/l	100
82) p-Isopropyltoluene	13.26	119	123351	18.172	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	61972	18.420	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	60605	18.347	ug/l	97
85) n-Butylbenzene	13.59	91	90920	15.712	ug/l	98
86) Hexachloroethane	13.85	117	22947	15.604	ug/l	99
87) 1,2-Dichlorobenzene	13.63	146	60973	17.559	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.24	75	9728	16.003	ug/l	96
89) 1,2,4-Trichlorobenzene	14.88	180	25818	16.142	ug/l	99
90) Hexachlorobutadiene	14.98	225	20058	18.771	ug/l	97
91) Naphthalene	15.10	128	60670	14.013	ug/l	98
92) 1,2,3-Trichlorobenzene	15.28	180	25706	16.050	ug/l	99

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ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBS01

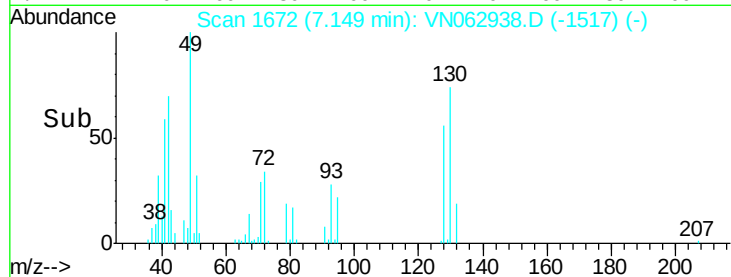
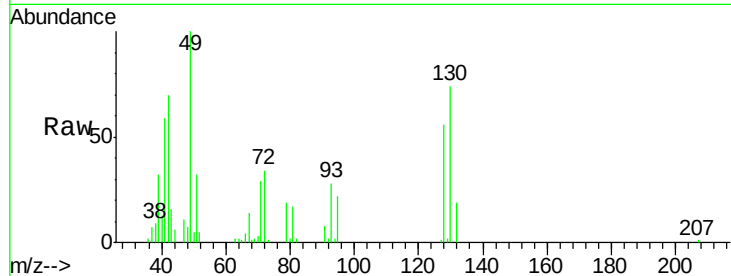
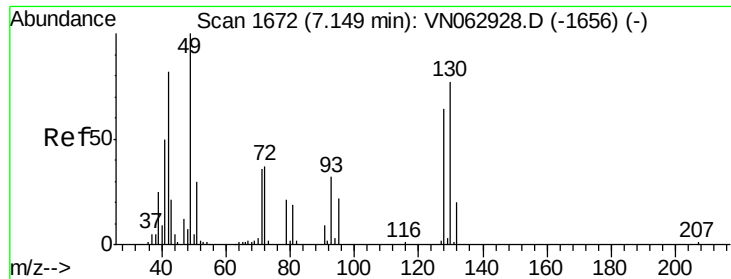
Manual Integrations
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QLast Update : Fri Aug 14 06:20:27 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VN062938.D

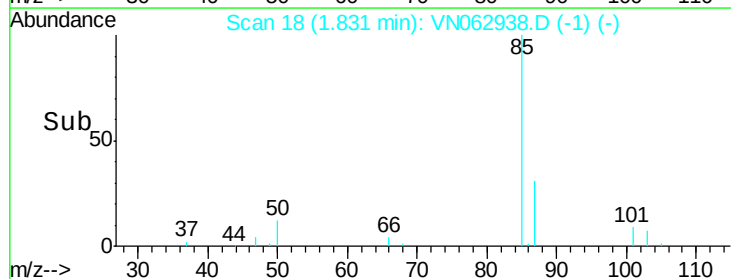
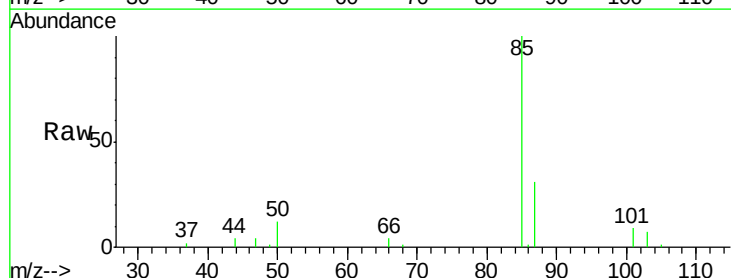
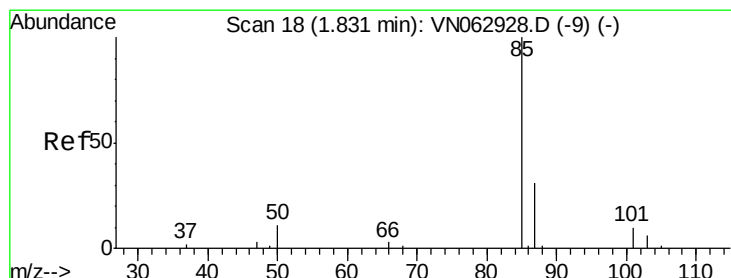
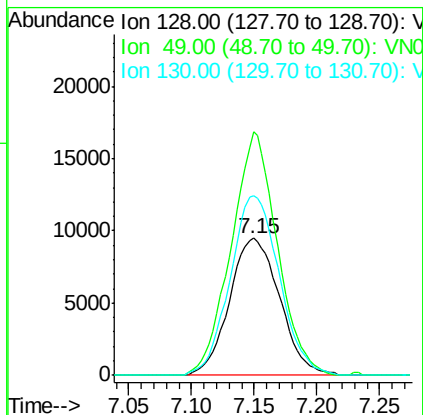
Acq: 14 Aug 2020 14:02

Tot Ion:	128	Resp:	26418
Ion	Ratio	Lower	Upper
128	100		
49	162.6	0.0	410.0
130	128.7	0.0	316.5

Instrument :
MSVOA_N
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Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 20.216 ug/l

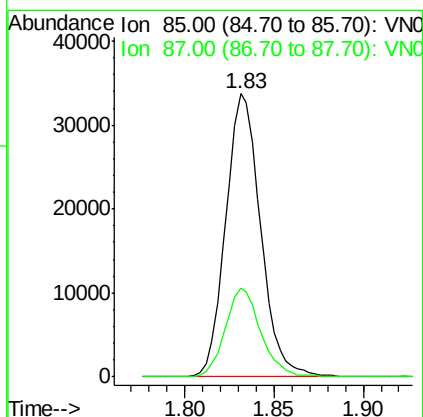
RT: 1.83 min Scan# 18

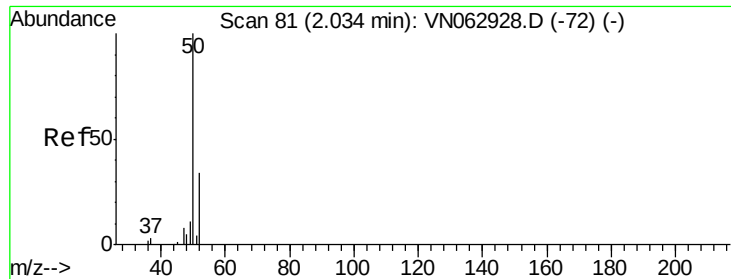
Delta R.T. -0.00 min

Lab File: VN062938.D

Acq: 14 Aug 2020 14:02

Tgt Ion:	85	Resp:	45787
Ion	Ratio	Lower	Upper
85	100		
87	31.3	15.4	46.2





#3

Chloromethane

Concen: 17.472 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN062938.D

Acq: 14 Aug 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBS01

Tot Ion: 50 Resp: 34276

Ion Ratio Lower Upper

50 100

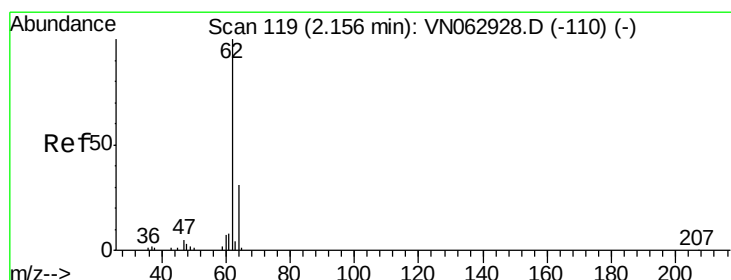
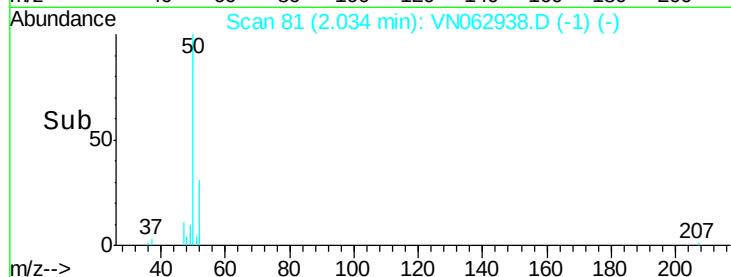
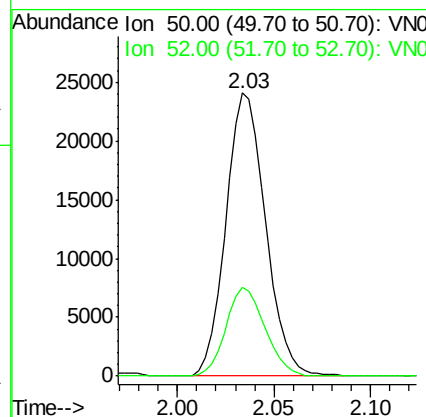
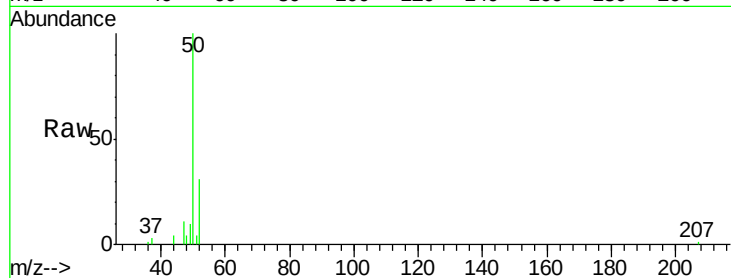
52 31.2 27.1 40.7

Manual Integrations

APPROVED

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#4

Vinyl Chloride

Concen: 16.805 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062938.D

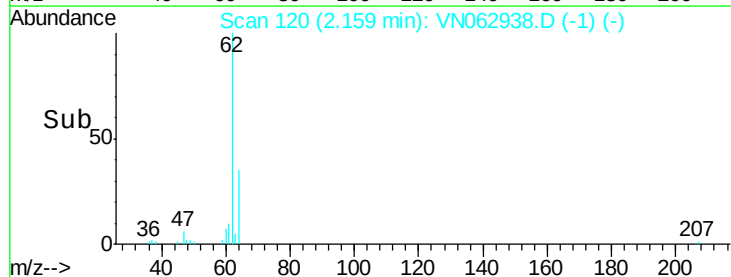
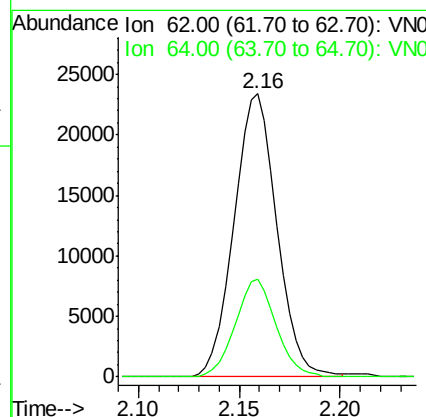
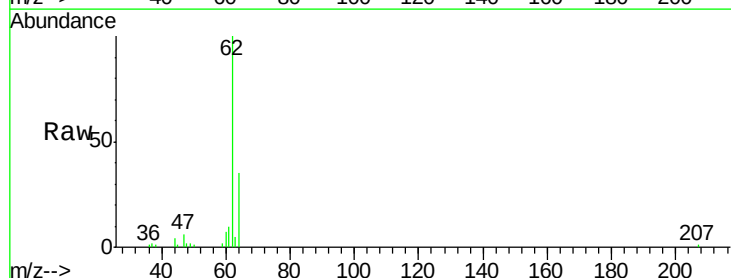
Acq: 14 Aug 2020 14:02

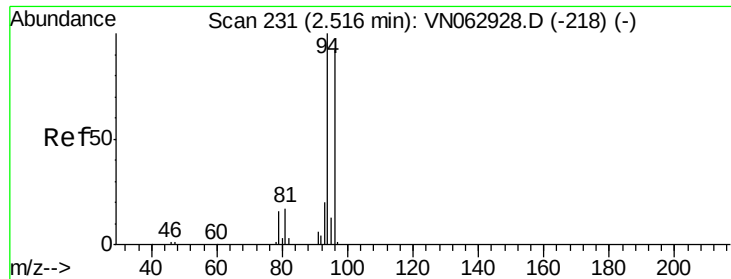
Tgt Ion: 62 Resp: 34828

Ion Ratio Lower Upper

62 100

64 34.6 24.6 37.0





#5

Bromomethane

Concen: 15.376 ug/l

RT: 2.52 min Scan# 232

Delta R.T. 0.00 min

Lab File: VN062938.D

Acq: 14 Aug 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBS01

Tot Ion: 94 Resp: 27482

Ion Ratio Lower Upper

94 100

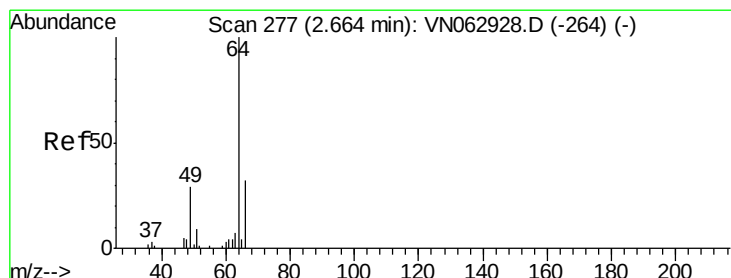
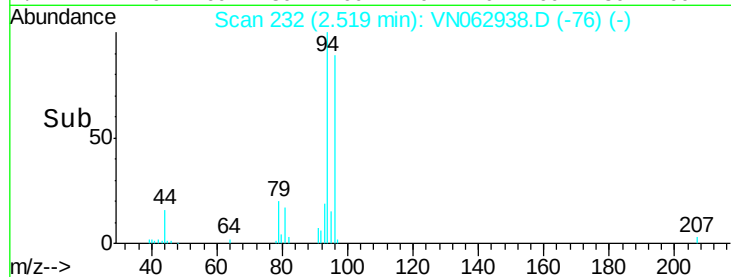
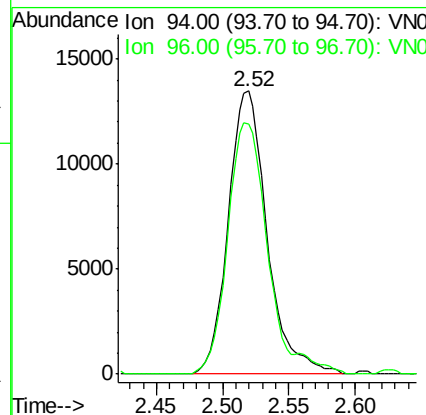
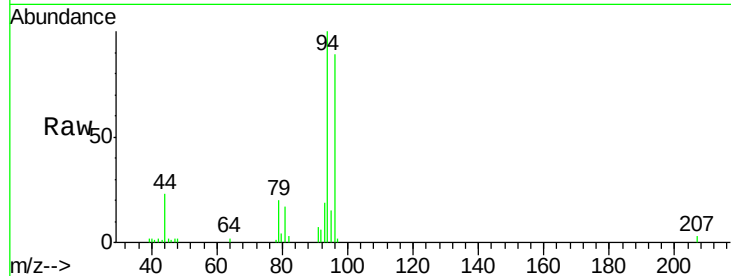
96 88.5 73.7 110.5

Manual Integrations

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#6

Chloroethane

Concen: 21.288 ug/l

RT: 2.66 min Scan# 276

Delta R.T. -0.00 min

Lab File: VN062938.D

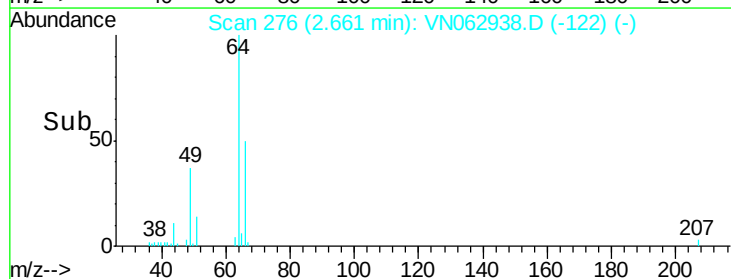
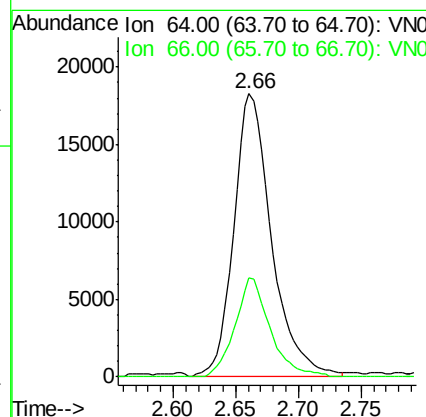
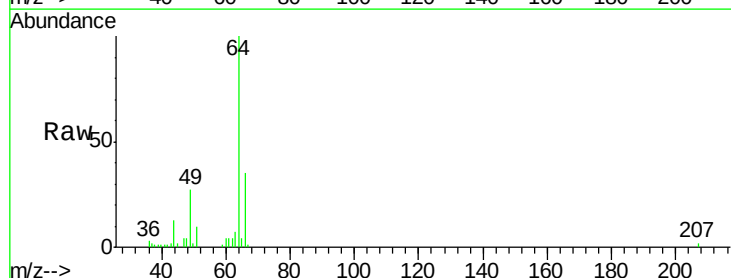
Acq: 14 Aug 2020 14:02

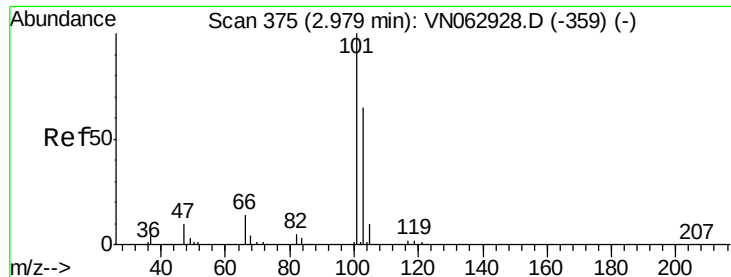
Tgt Ion: 64 Resp: 38261

Ion Ratio Lower Upper

64 100

66 34.8 25.3 37.9





#7

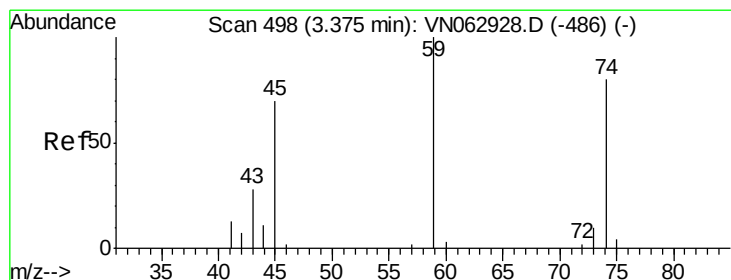
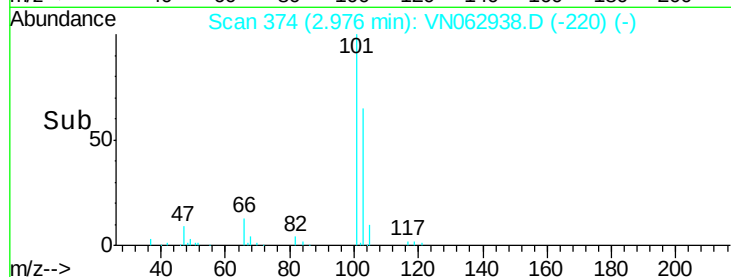
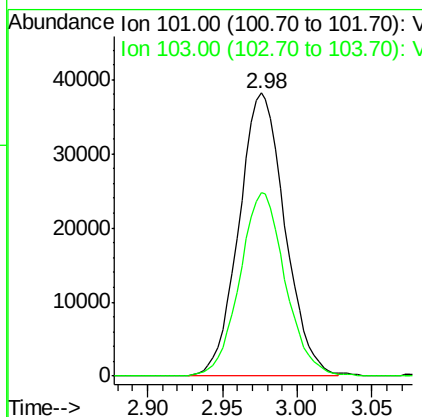
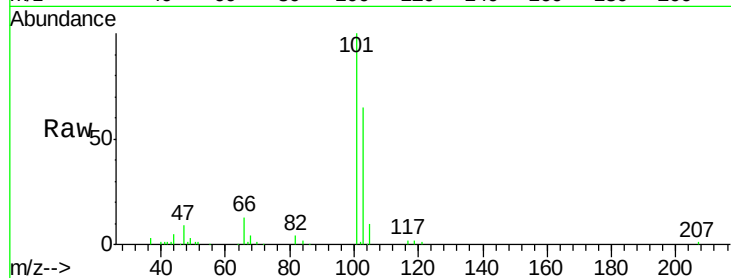
Trichlorofluoromethane
Concen: 20.220 ug/l
RT: 2.98 min Scan# 374
Delta R.T. -0.00 min
Lab File: VN062938.D
Acq: 14 Aug 2020 14:02

Instrument :
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ClientSampleId :
VN0814WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	51.8	77.6

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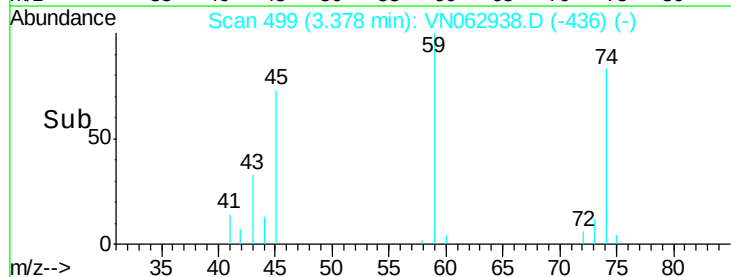
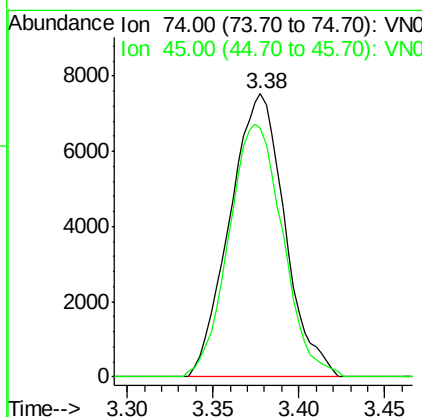
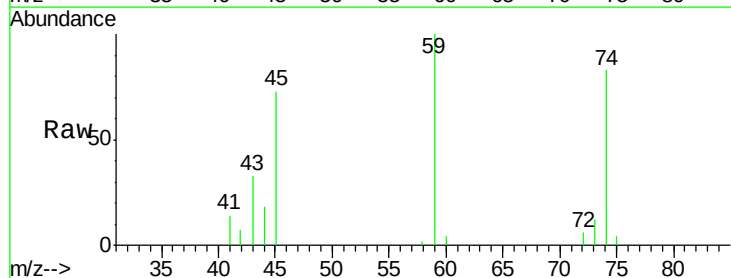
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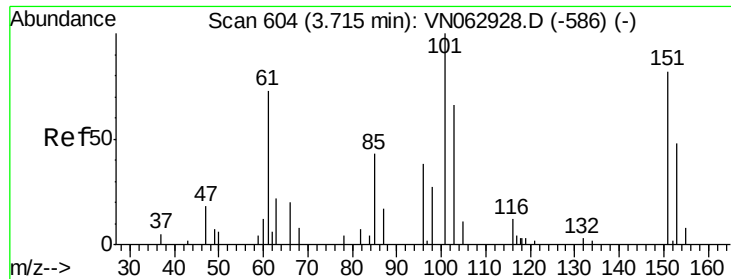


#8

Diethyl Ether
Concen: 18.893 ug/l
RT: 3.38 min Scan# 499
Delta R.T. 0.00 min
Lab File: VN062938.D
Acq: 14 Aug 2020 14:02

Tgt Ion	Ratio	Lower	Upper
74	100		
45	87.7	18.7	167.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.633 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

Lab File: VN062938.D

Acq: 14 Aug 2020 14:02

Instrument :

MSVOA_N

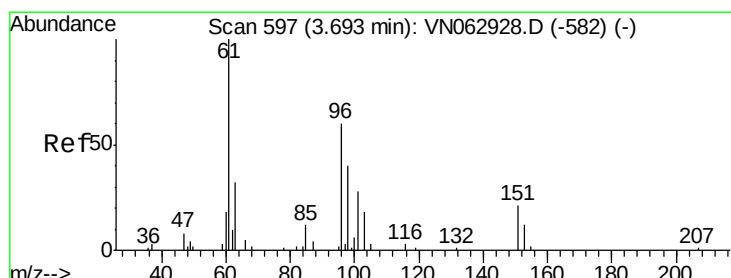
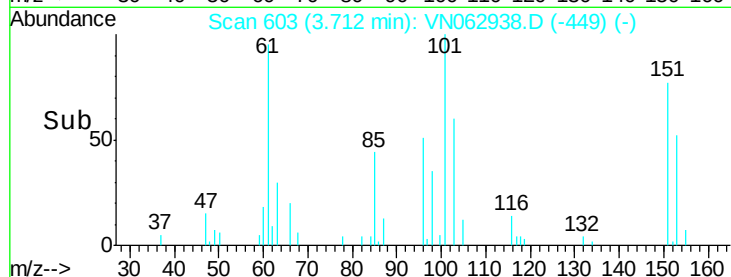
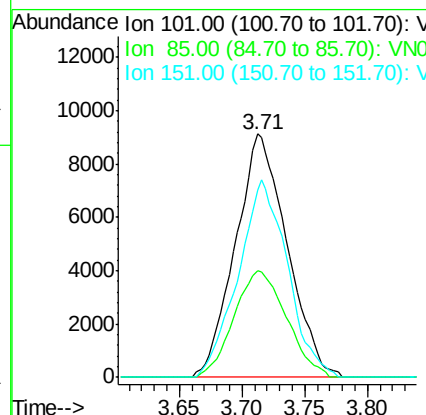
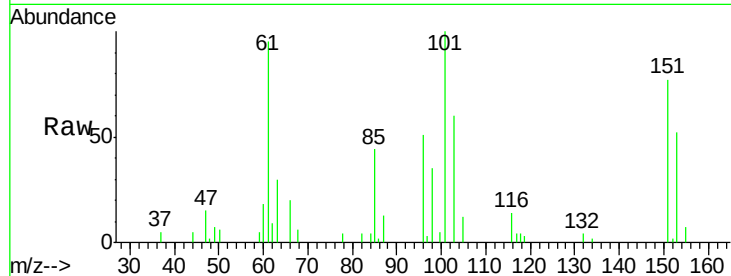
ClientSampleId :

VN0814WBS01

Tot Ion:	101	Resp:	26101
Ion Ratio	Lower	Upper	
101	100		
85	44.5	0.0	92.4
151	77.4	0.0	162.6

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8/17/2020 5:45:06 PM



#10

1,1-Dichloroethene

Concen: 17.978 ug/l

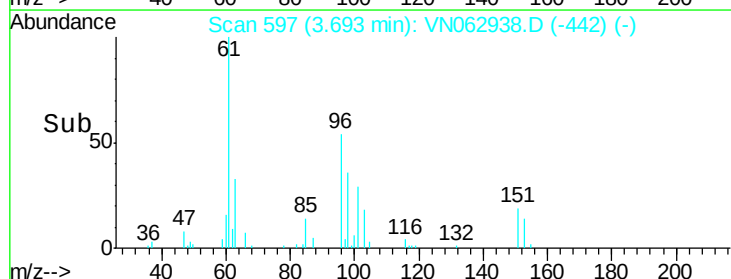
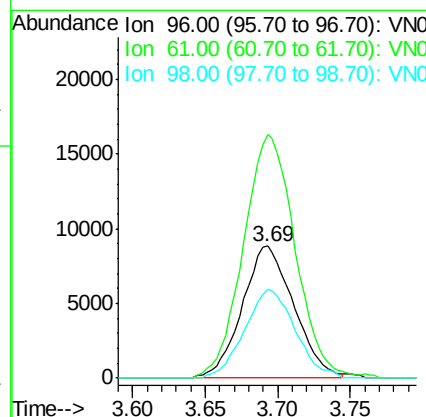
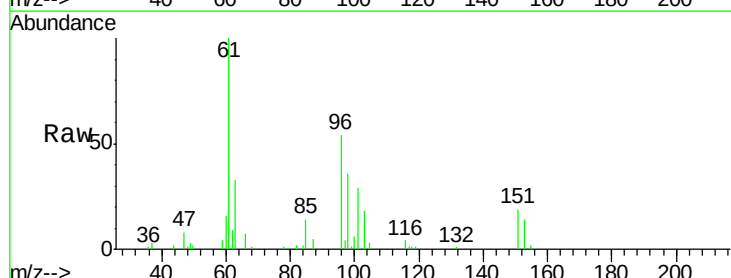
RT: 3.69 min Scan# 597

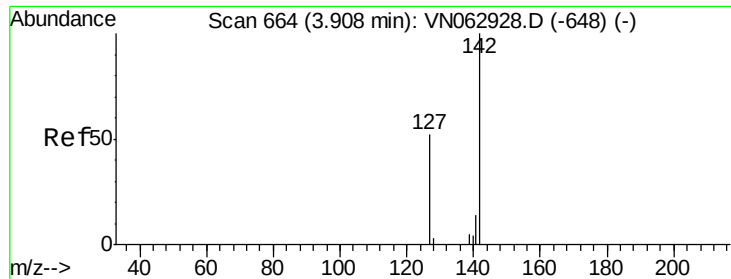
Delta R.T. -0.00 min

Lab File: VN062938.D

Acq: 14 Aug 2020 14:02

Tgt Ion:	96	Resp:	21912
Ion Ratio	Lower	Upper	
96	100		
61	184.5	134.5	201.7
98	67.2	53.3	79.9





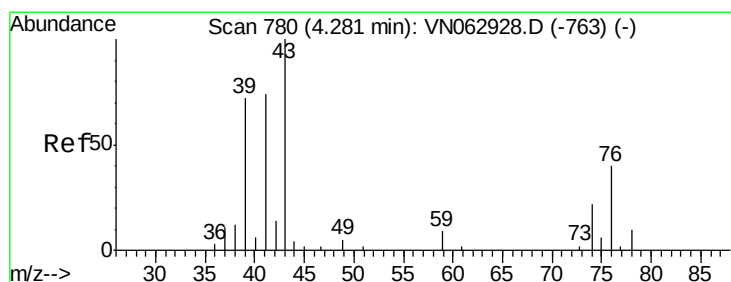
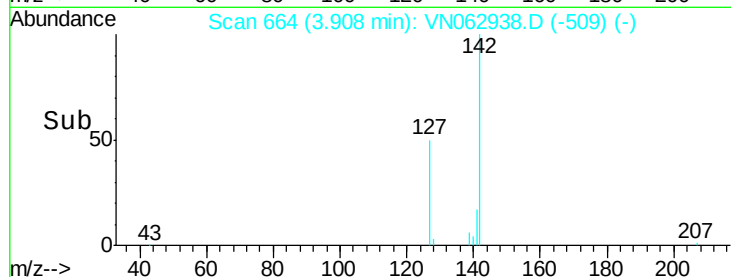
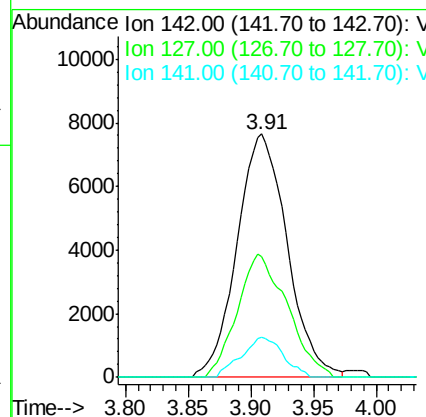
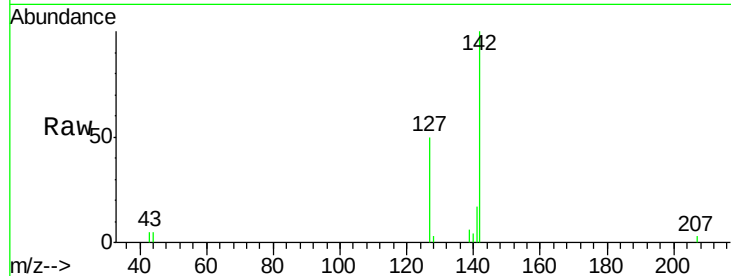
#11
Methvl Iodide
Concen: 12.574 ug/l
RT: 3.91 min Scan# 664
Delta R.T. -0.00 min
Lab File: VN062938.D
Acq: 14 Aug 2020 14:02

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBS01

Tot Ion	Ratio	Lower	Upper
142	100		
127	50.3	26.1	78.3
141	16.8	7.2	21.7

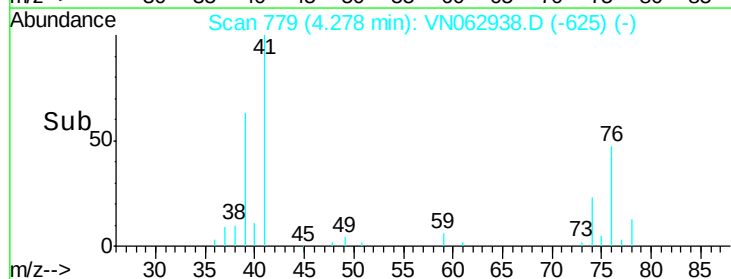
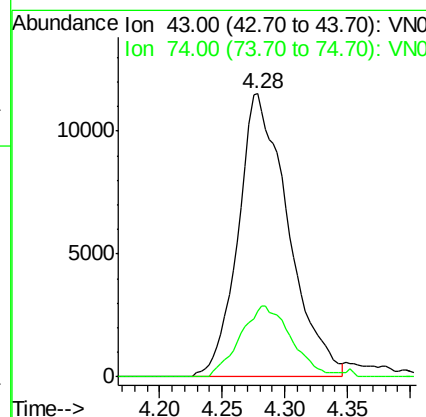
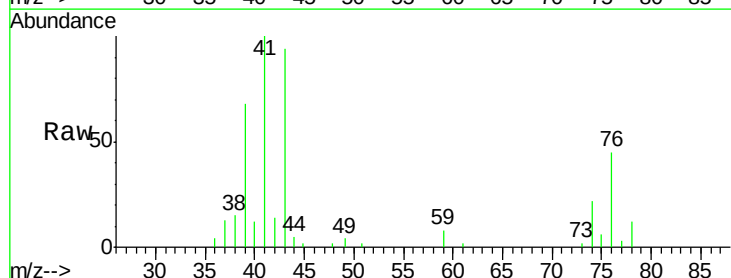
Manual Integrations
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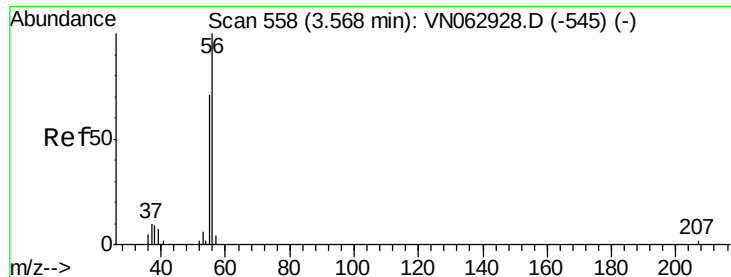
MMDadoda
8/17/2020 5:45:06 PM



#12
Methyl Acetate
Concen: 17.290 ug/l
RT: 4.28 min Scan# 779
Delta R.T. -0.00 min
Lab File: VN062938.D
Acq: 14 Aug 2020 14:02

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.8	18.1	27.1





#13

Acrolein

Concen: 76.466 ug/l

RT: 3.57 min Scan# 559

Delta R.T. 0.00 min

Lab File: VN062938.D

Acq: 14 Aug 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBS01

Tot Ion: 56 Resp: 18035

Ion Ratio Lower Upper

56 100

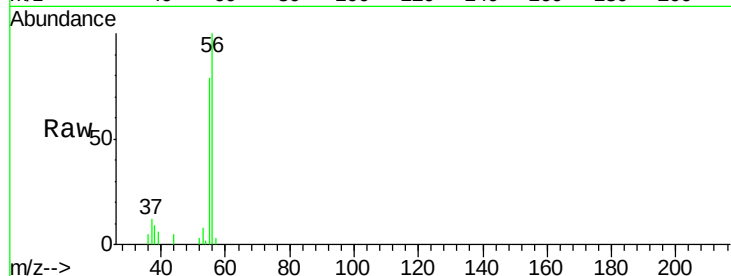
55 77.6 60.2 90.4

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.57

8000

6000

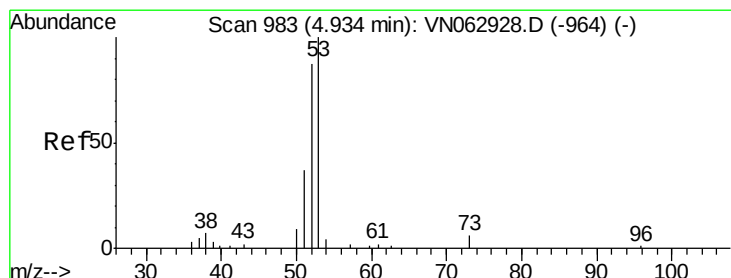
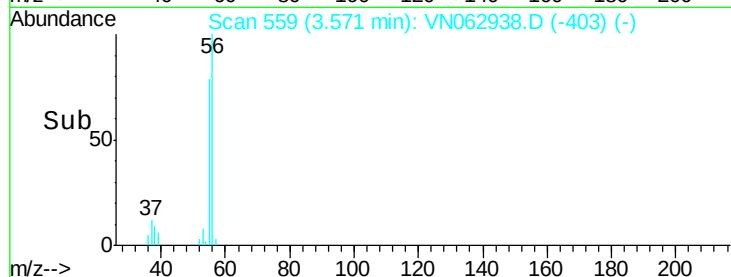
4000

2000

0

Time-->

3.50 3.55 3.60 3.65



#14

Acrylonitrile

Concen: 89.458 ug/l

RT: 4.94 min Scan# 984

Delta R.T. 0.00 min

Lab File: VN062938.D

Acq: 14 Aug 2020 14:02

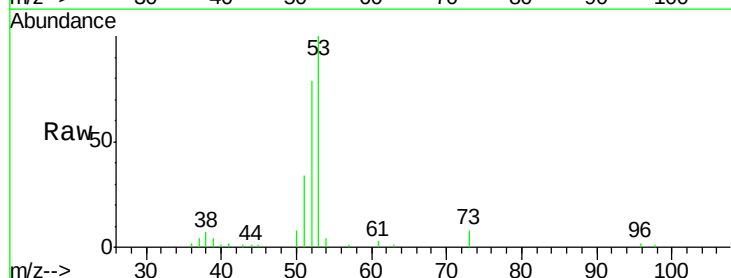
Tgt Ion: 53 Resp: 72091

Ion Ratio Lower Upper

53 100

52 82.9 43.1 129.4

51 35.8 19.1 57.1



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

4.94

30000

25000

20000

15000

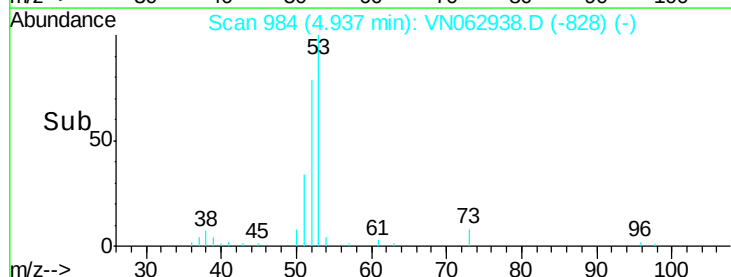
10000

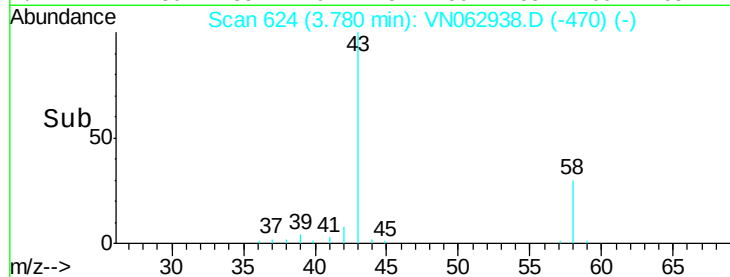
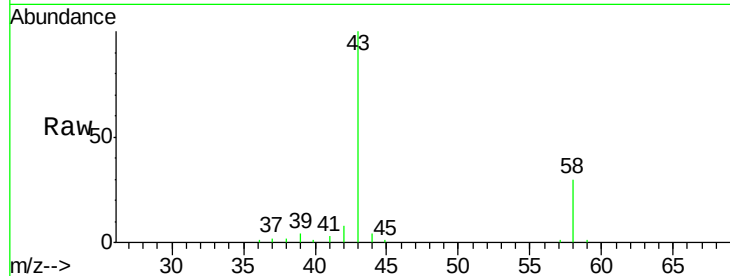
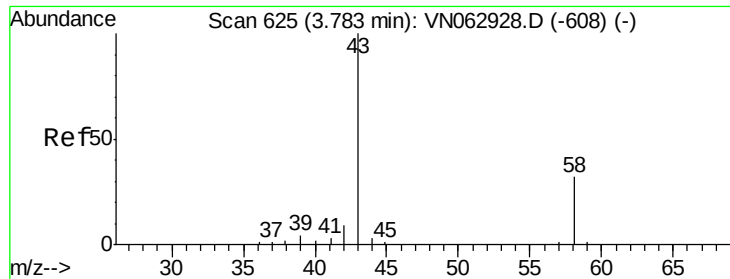
5000

0

Time-->

4.90 5.00





#15

Acetone

Concen: 94.118 ug/l

RT: 3.78 min Scan# 624

Delta R.T. -0.00 min

Lab File: VN062938.D

Acq: 14 Aug 2020 14:02

Tot Ion: 58 Resp: 20258

Ion Ratio Lower Upper

58 100

43 331.5 250.0 375.0

Instrument :

MSVOA_N

ClientSampled :

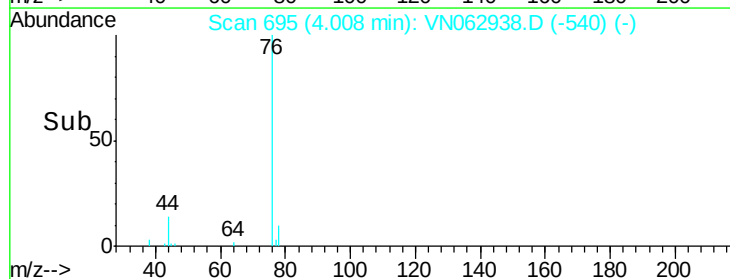
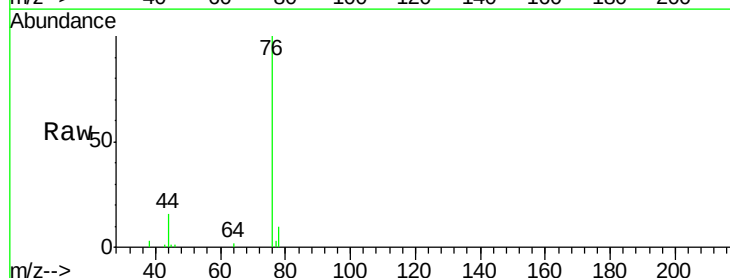
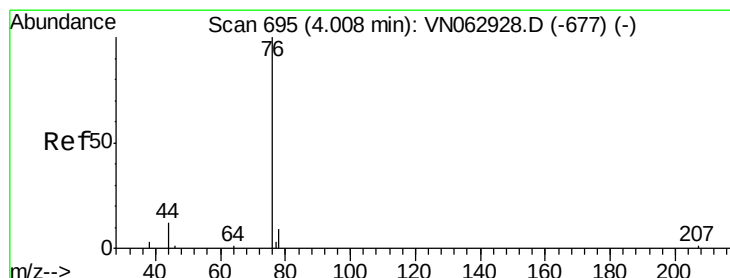
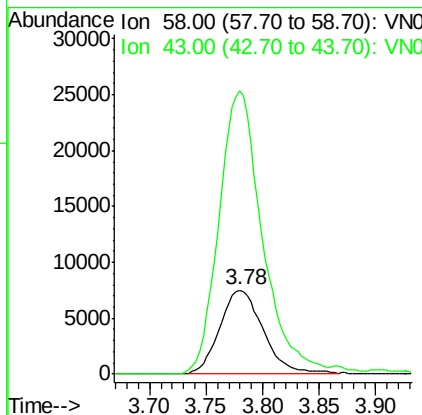
VN0814WBS01

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#16

Carbon Disulfide

Concen: 17.630 ug/l

RT: 4.01 min Scan# 695

Delta R.T. -0.00 min

Lab File: VN062938.D

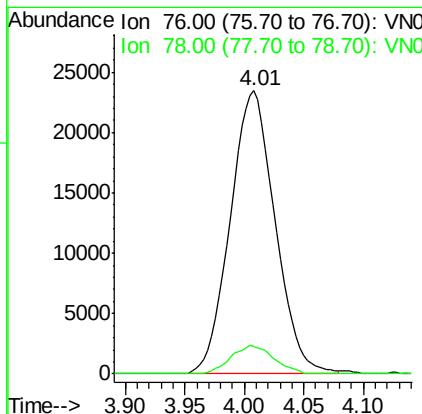
Acq: 14 Aug 2020 14:02

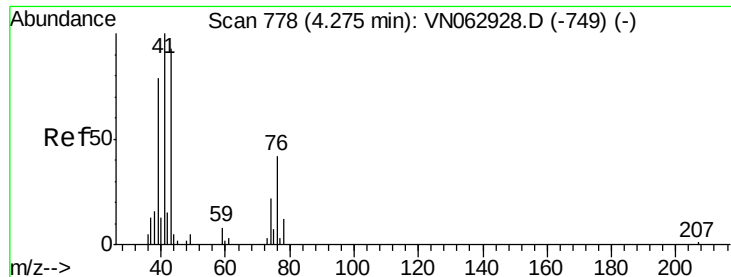
Tgt Ion: 76 Resp: 61285

Ion Ratio Lower Upper

76 100

78 9.7 7.0 10.6





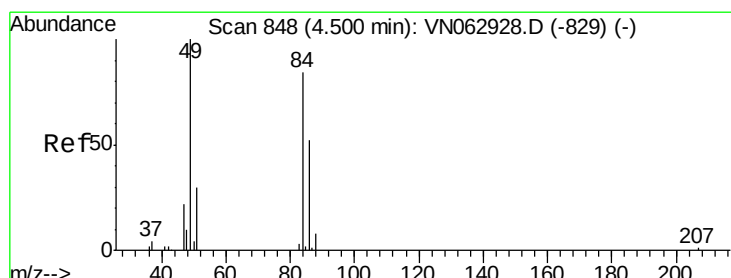
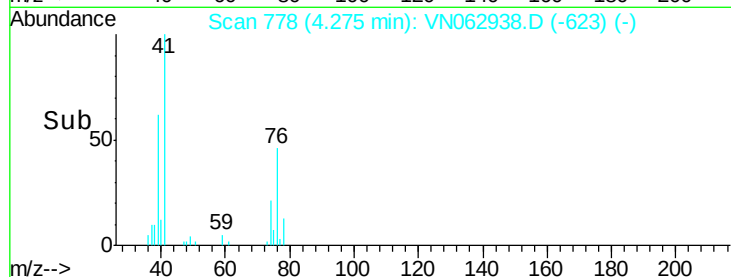
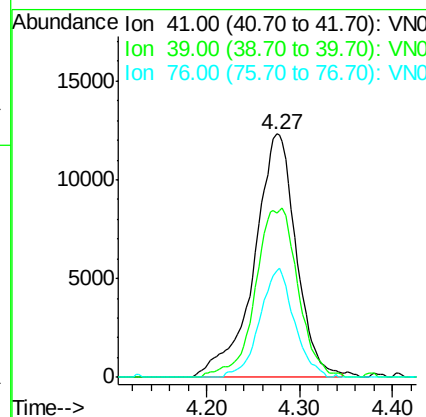
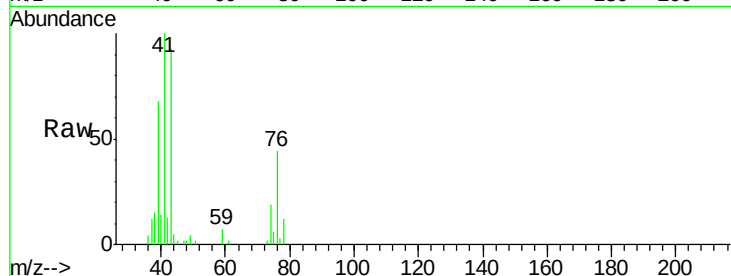
#17
Allvl chloride
Concen: 18.509 ug/l
RT: 4.27 min Scan# 778
Delta R.T. -0.00 min
Lab File: VN062938.D
Acq: 14 Aug 2020 14:02

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBS01

Tot Ion:	41	Resp:	38863
Ion	Ratio	Lower	Upper
41	100		
39	67.6	39.6	118.7
76	43.7	21.3	63.7

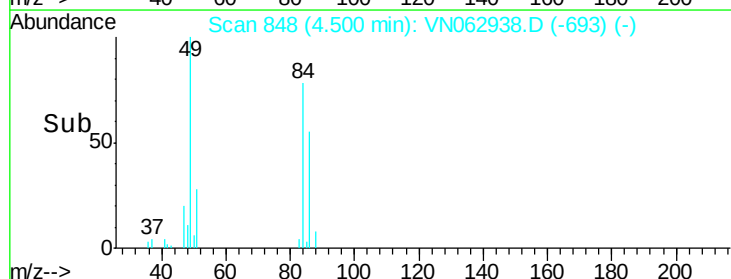
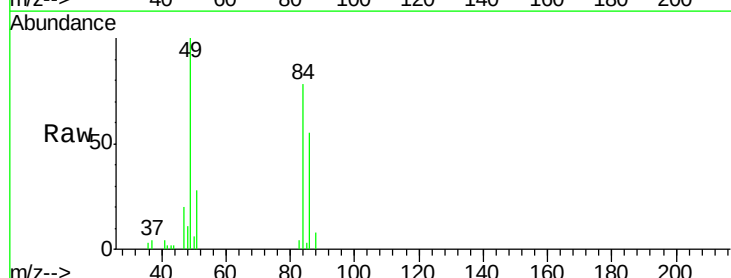
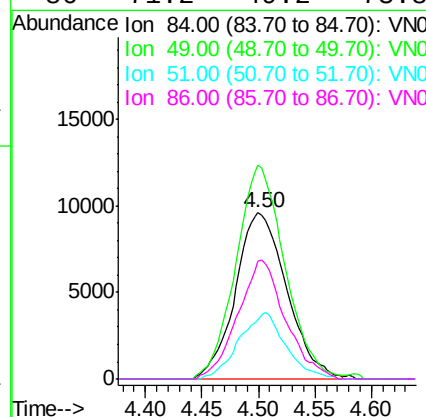
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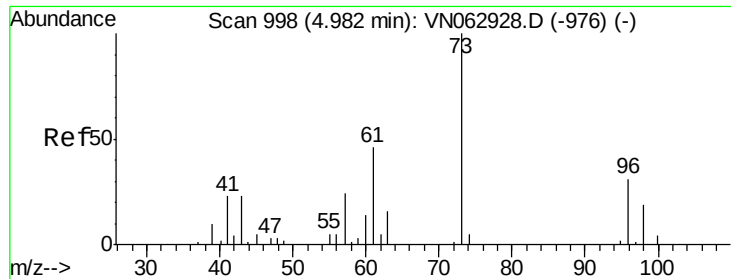
MMDadoda
8/17/2020 5:45:06 PM



#18
Methylene Chloride
Concen: 19.228 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN062938.D
Acq: 14 Aug 2020 14:02

Tgt Ion:	84	Resp:	30321
Ion	Ratio	Lower	Upper
84	100		
49	128.7	95.0	142.6
51	35.8	28.2	42.4
86	71.2	49.2	73.8





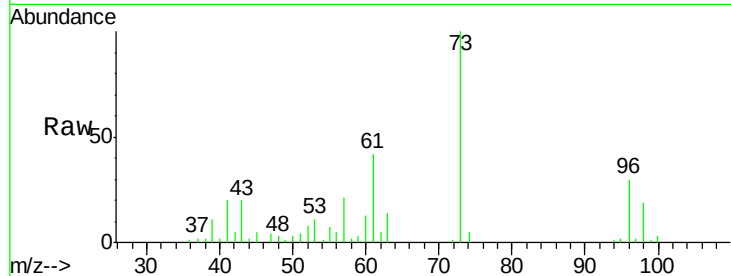
#19
trans-1,2-Dichloroethene
Concen: 18.482 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. 0.01 min
Lab File: VN062938.D
Acq: 14 Aug 2020 14:02

Instrument :
MSVOA_N
ClientSampled :
VN0814WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.1	118.0	177.0
98	62.8	48.7	73.1

Manual Integrations
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MMDadoda
8/17/2020 5:45:06 PM

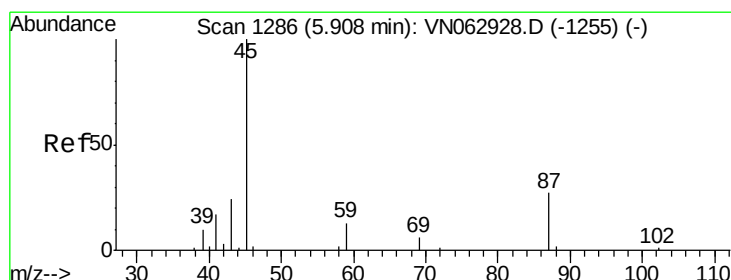
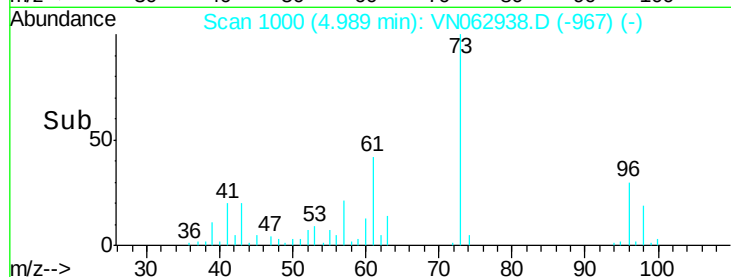
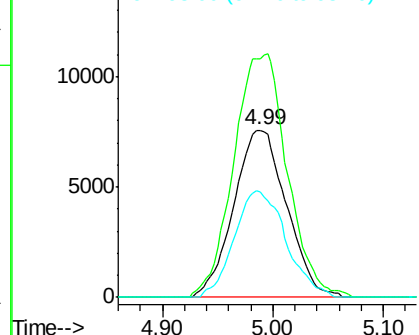


Abundance

Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#20
Diisopropyl ether
Concen: 18.836 ug/l
RT: 5.90 min Scan# 1284
Delta R.T. -0.01 min
Lab File: VN062938.D
Acq: 14 Aug 2020 14:02

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.5	48.6	72.8
87	27.3	22.6	34.0
59	11.7	10.6	15.8

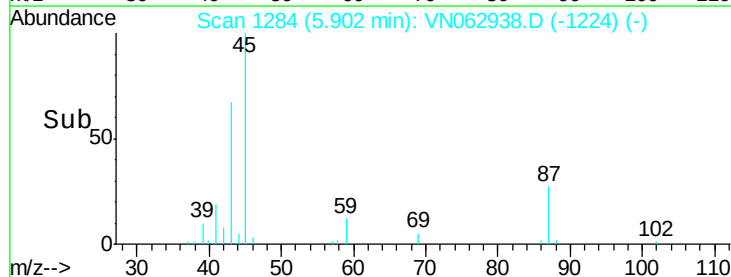
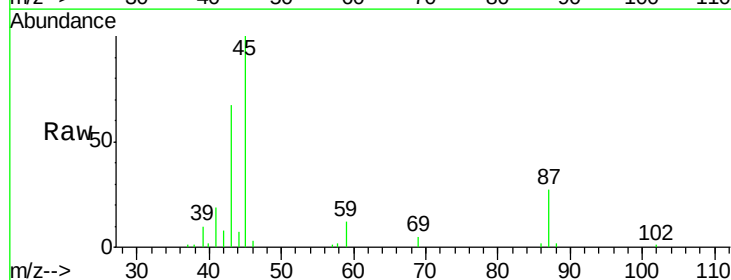
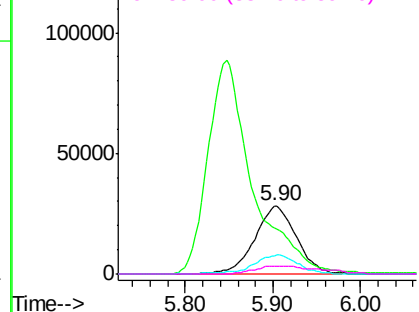
Abundance

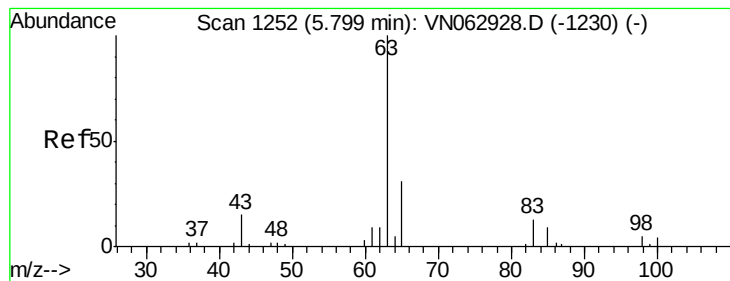
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#21

1,1-Dichloroethane

Concen: 18.792 ug/l

RT: 5.80 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VN062938.D

Acq: 14 Aug 2020 14:02

Instrument :

MSVOA_N

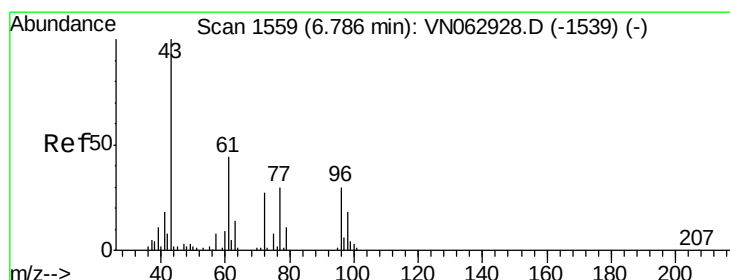
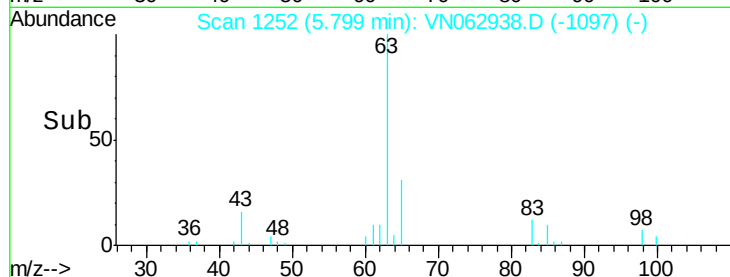
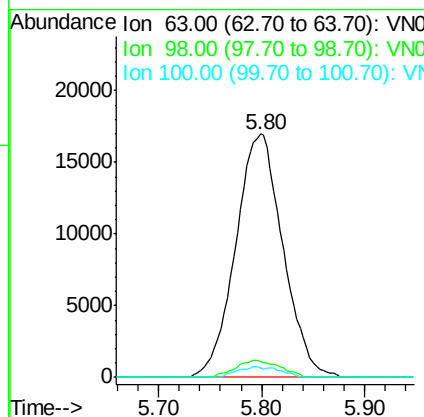
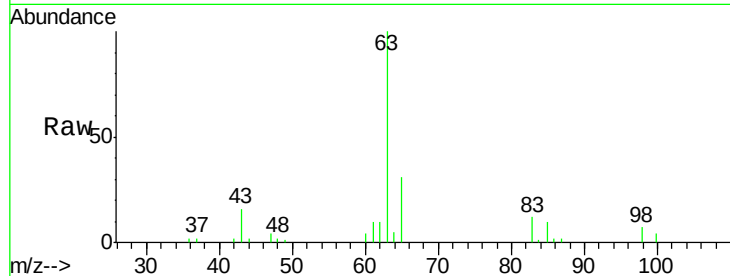
ClientSampleId :

VN0814WBS01

Tot Ion:	63	Resp:	54063
Ion	Ratio	Lower	Upper
63	100		
98	6.5	2.6	7.8
100	3.6	2.1	6.5

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#22

cis-1,2-Dichloroethene

Concen: 18.657 ug/l

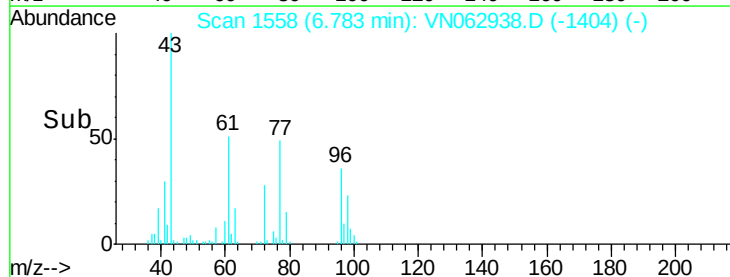
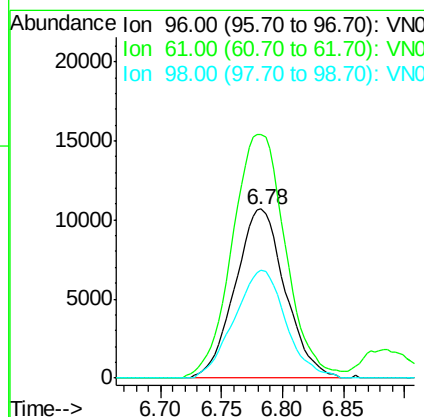
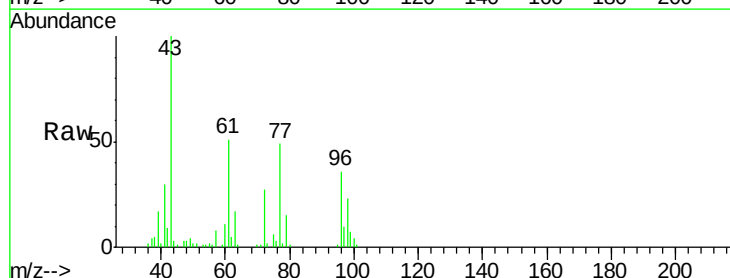
RT: 6.78 min Scan# 1558

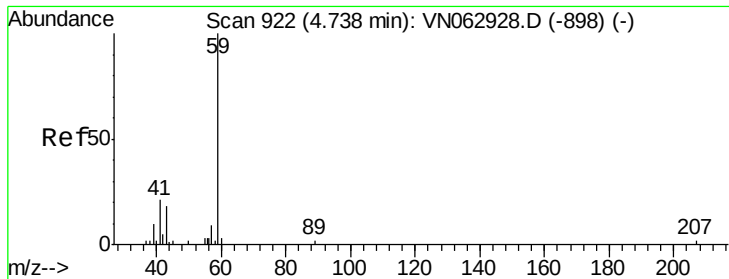
Delta R.T. -0.00 min

Lab File: VN062938.D

Acq: 14 Aug 2020 14:02

Tgt Ion:	96	Resp:	30365
Ion	Ratio	Lower	Upper
96	100		
61	153.7	124.9	187.3
98	65.4	27.8	41.6#





#23

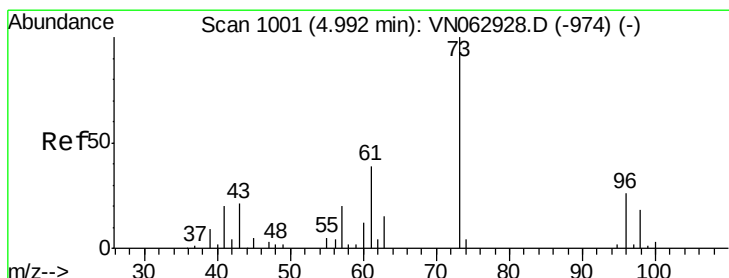
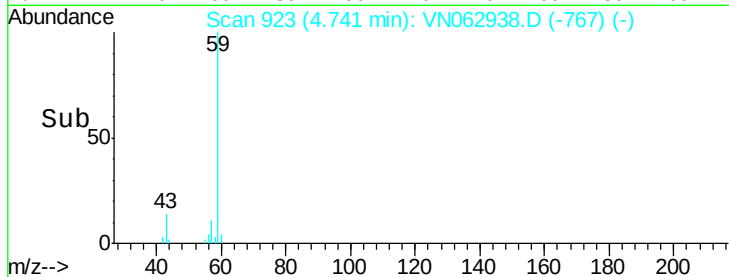
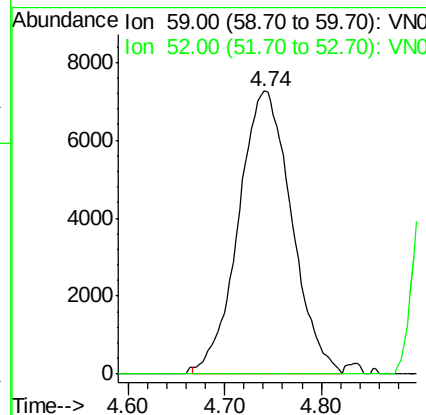
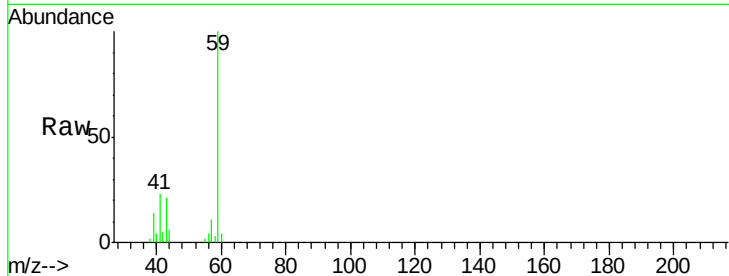
tert-Butyl Alcohol
 Concen: 80.277 ug/l
 RT: 4.74 min Scan# 923
 Delta R.T. 0.00 min
 Lab File: VN062938.D
 Acq: 14 Aug 2020 14:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

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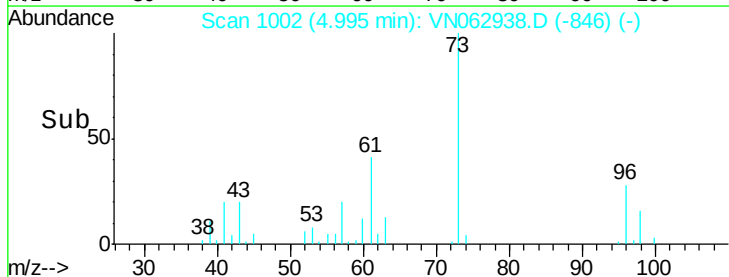
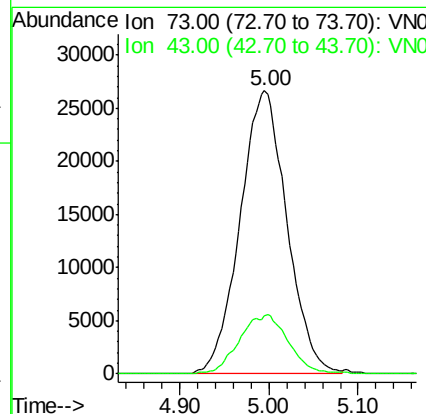
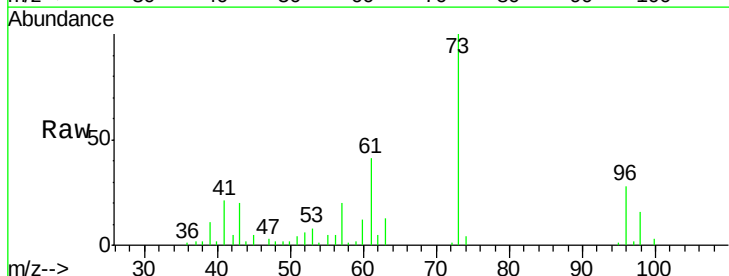
MMDadoda
 8/17/2020 5:45:06 PM

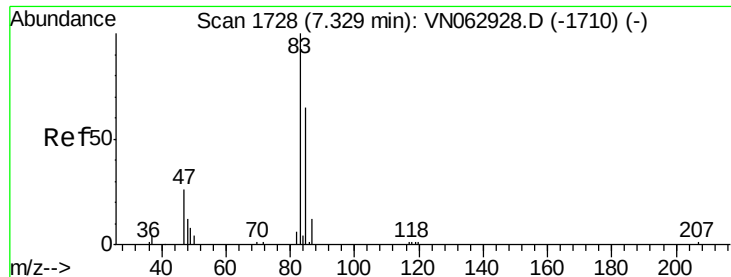


#24

Methyl tert-Butyl Ether
 Concen: 18.367 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. 0.00 min
 Lab File: VN062938.D
 Acq: 14 Aug 2020 14:02

Tgt Ion	Ratio	Lower	Upper
73	100		
43	8.8	17.3	25.9#





#25

Chloroform

Concen: 19.275 ug/l

RT: 7.33 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VN062938.D

Acq: 14 Aug 2020 14:02

Instrument :

MSVOA_N

ClientSampled :

VN0814WBS01

Tot Ion: 83 Resp: 60168

Ion Ratio Lower Upper

83 100

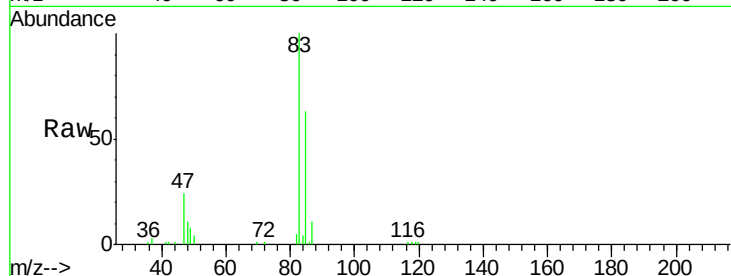
85 62.8 52.3 78.5

Manual Integrations

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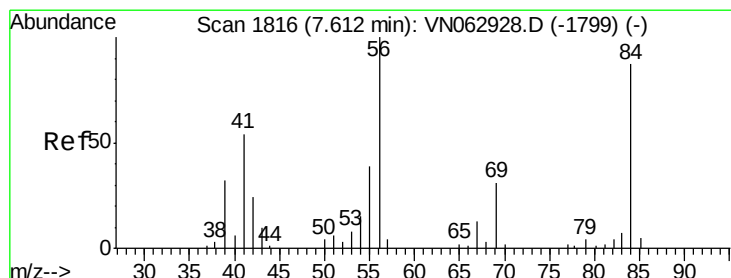
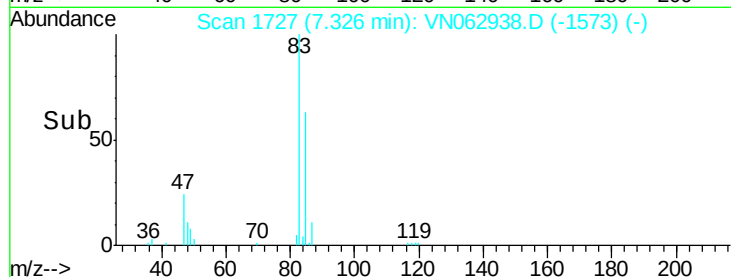
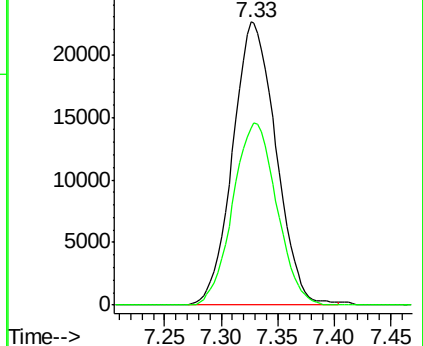
MMDadoda

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Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#26

Cyclohexane

Concen: 17.814 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VN062938.D

Acq: 14 Aug 2020 14:02

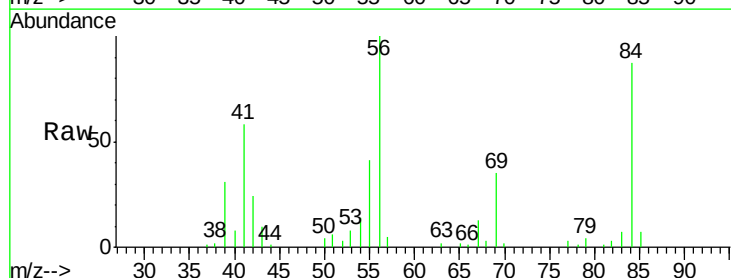
Tgt Ion: 56 Resp: 43389

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

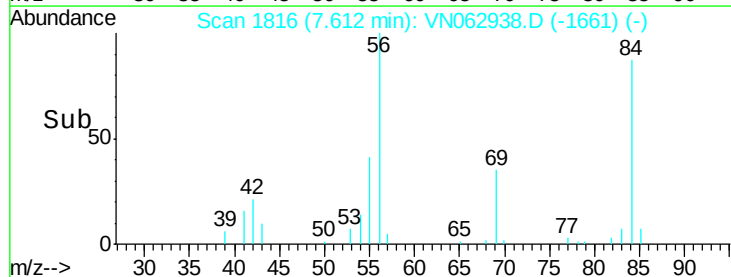
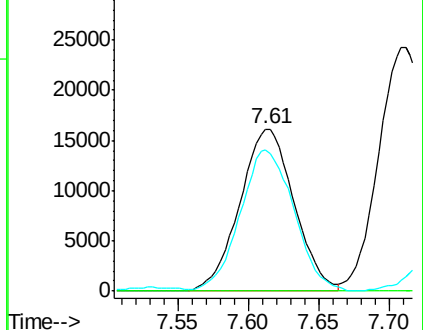
84 86.4 71.9 107.9

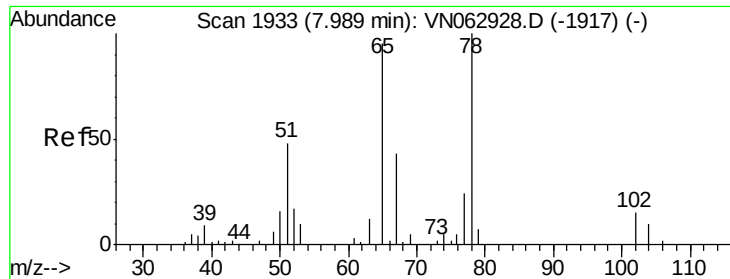


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





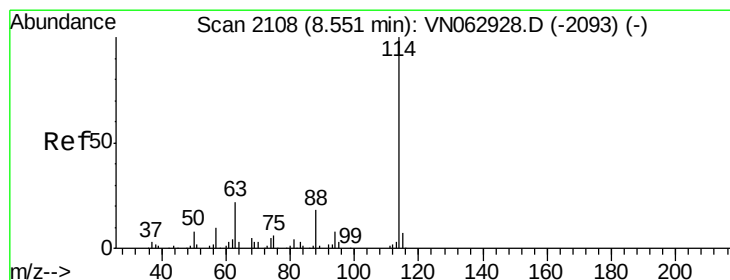
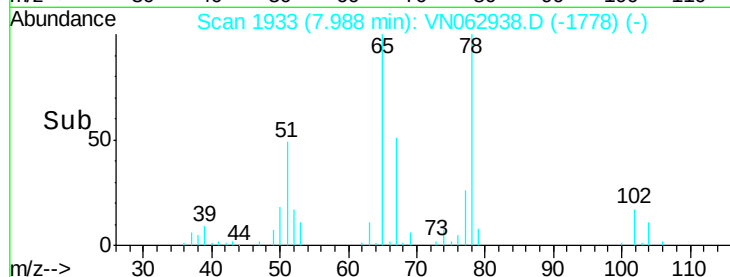
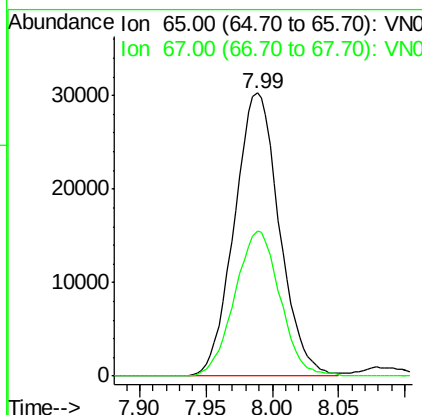
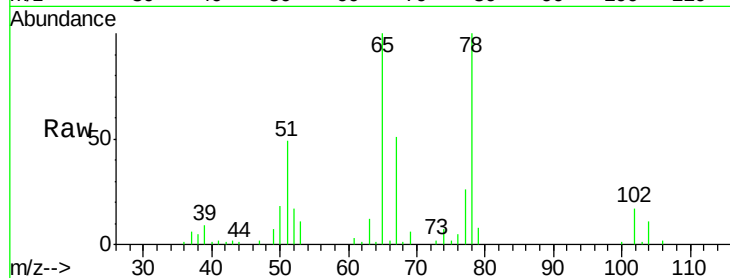
#27
 1,2-Dichloroethane-d4
 Concen: 30.290 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN062938.D
 Acq: 14 Aug 2020 14:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.4	39.5	59.3

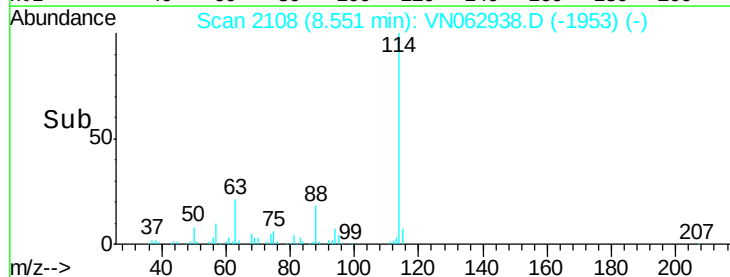
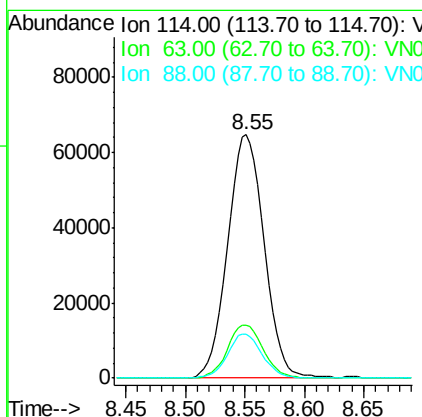
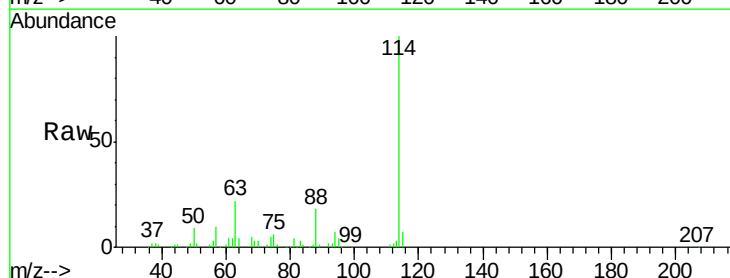
Manual Integrations
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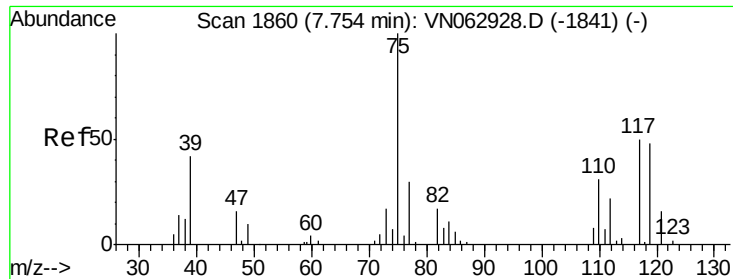
MMDadoda
 8/17/2020 5:45:06 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062938.D
 Acq: 14 Aug 2020 14:02

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.5	17.7	26.5
88	17.2	13.9	20.9





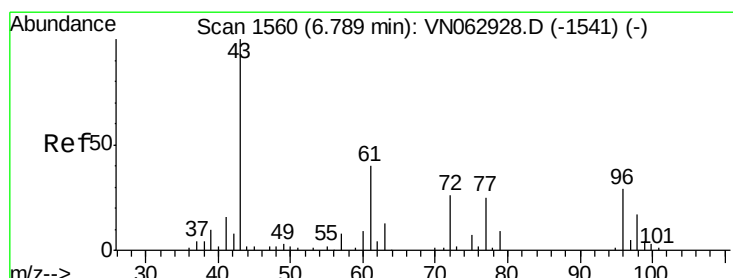
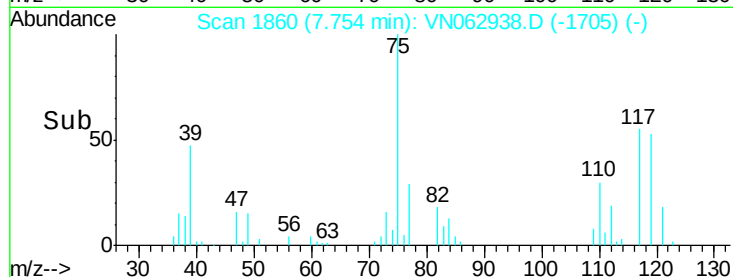
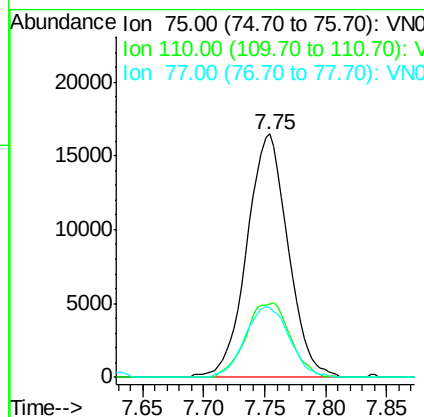
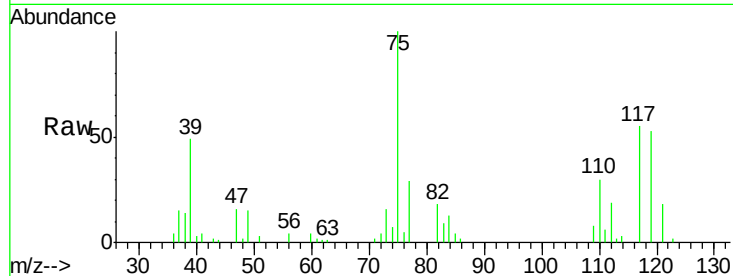
#29
 1,1-Dichloropropene
 Concen: 18.954 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VN062938.D
 Acq: 14 Aug 2020 14:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
110	33.0	0.0	65.8
77	31.2	0.0	59.8

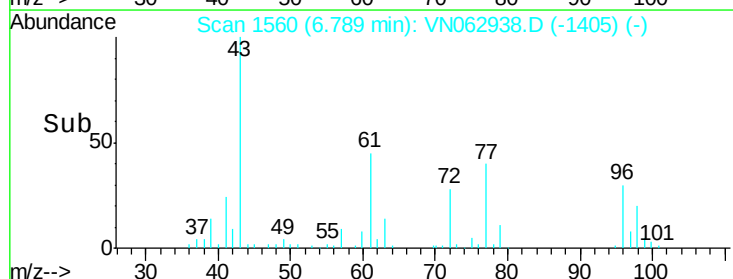
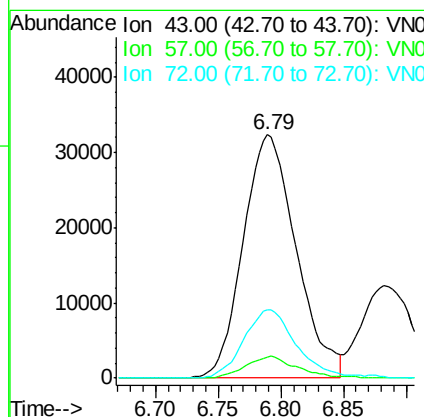
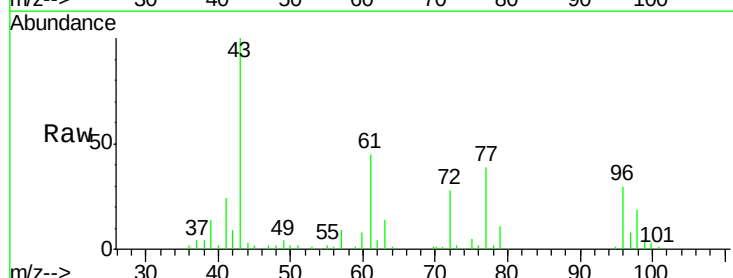
Manual Integrations
 APPROVED

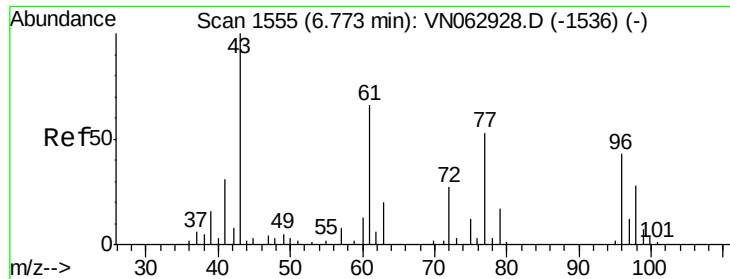
MMDadoda
 8/17/2020 5:45:06 PM



#30
 2-Butanone
 Concen: 90.632 ug/l
 RT: 6.79 min Scan# 1560
 Delta R.T. -0.00 min
 Lab File: VN062938.D
 Acq: 14 Aug 2020 14:02

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.3	7.0	10.6
72	27.8	22.0	33.0





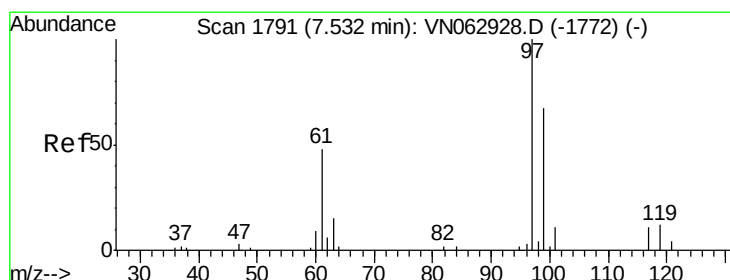
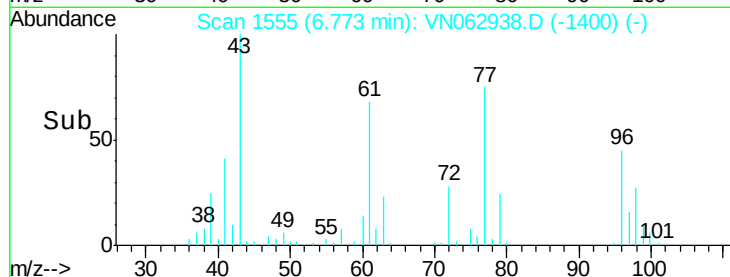
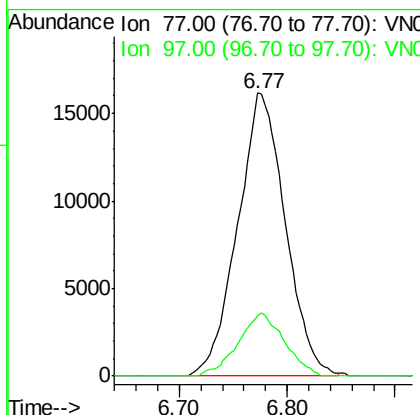
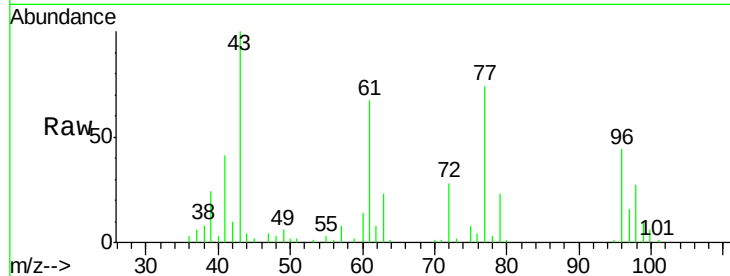
#31
 2,2-Dichloropropane
 Concen: 24.511 ug/l
 RT: 6.77 min Scan# 1555
 Delta R.T. -0.00 min
 Lab File: VN062938.D
 Acq: 14 Aug 2020 14:02

Instrument :
 MSVOA_N
 ClientSampled :
 VN0814WBS01

Tot Ion: 77 Resp: 49572
 Ion Ratio Lower Upper
 77 100
 97 21.6 16.1 24.1

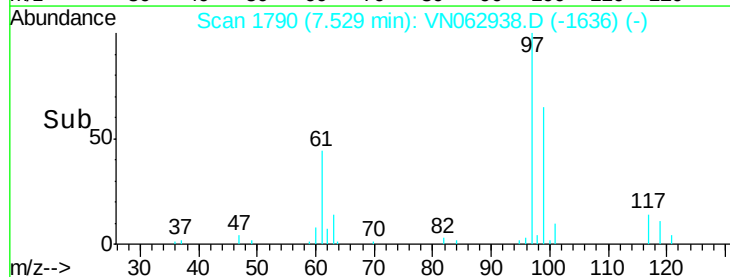
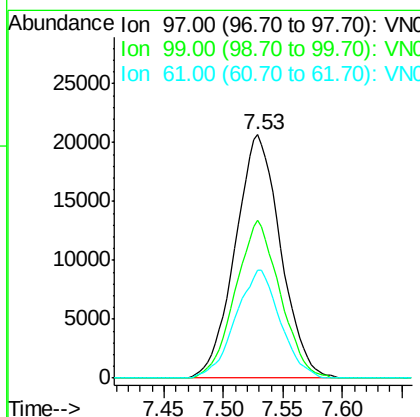
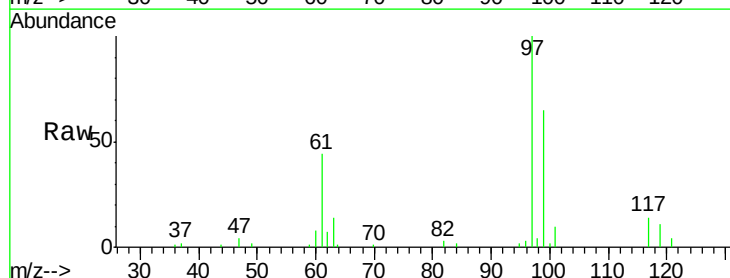
Manual Integrations
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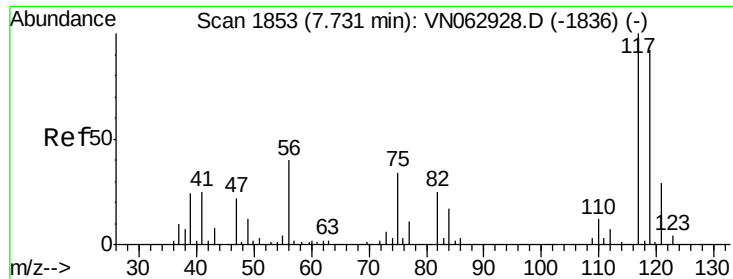
MMDadoda
 8/17/2020 5:45:06 PM



#32
 1,1,1-Trichloroethane
 Concen: 19.676 ug/l
 RT: 7.53 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VN062938.D
 Acq: 14 Aug 2020 14:02

Tgt Ion: 97 Resp: 54755
 Ion Ratio Lower Upper
 97 100
 99 63.5 53.8 80.8
 61 43.6 36.3 54.5





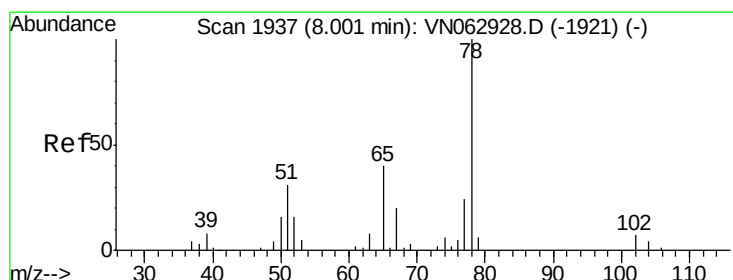
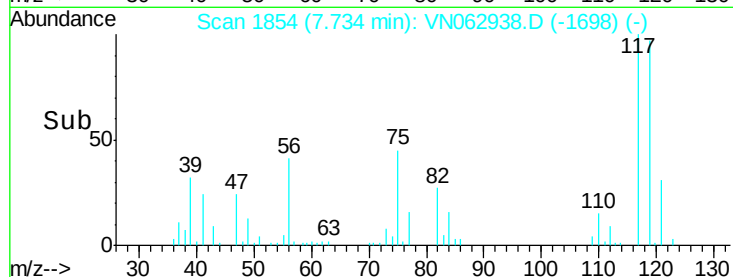
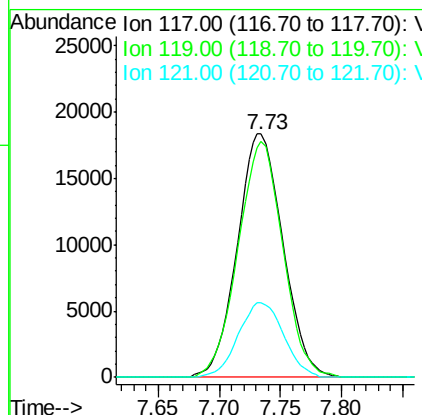
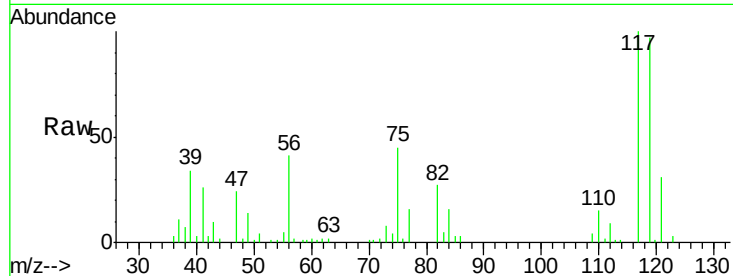
#33
Carbon Tetrachloride
Concen: 19.252 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN062938.D
Acq: 14 Aug 2020 14:02

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	97.1	73.9	110.9
121	30.5	23.2	34.8

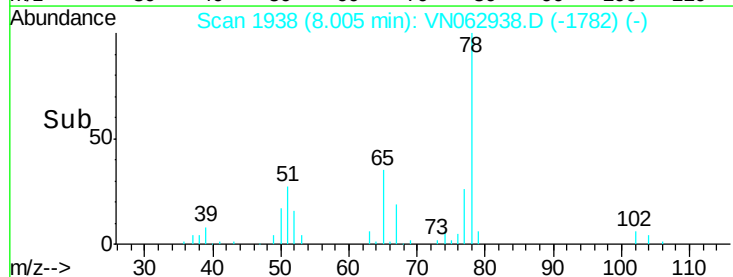
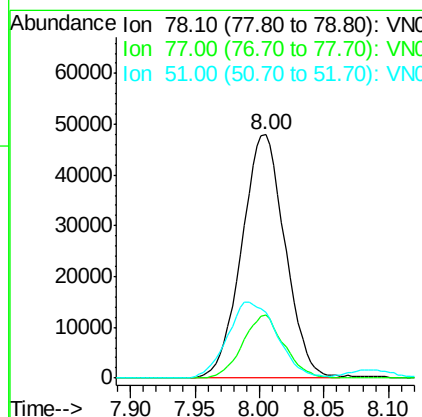
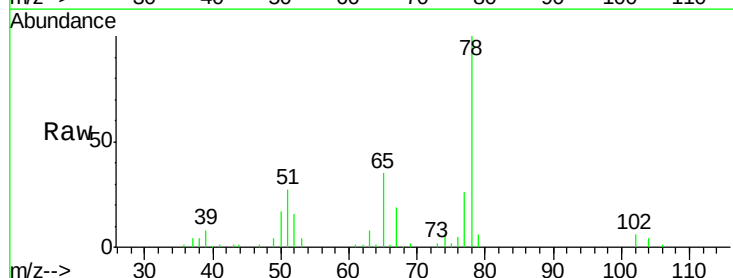
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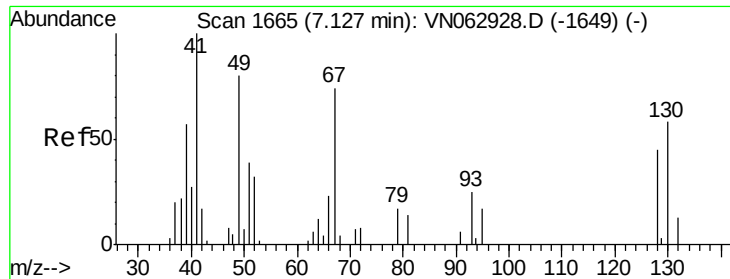
MMDadoda
8/17/2020 5:45:06 PM



#34
Benzene
Concen: 18.409 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN062938.D
Acq: 14 Aug 2020 14:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.9	19.3	28.9
51	26.7	24.9	37.3





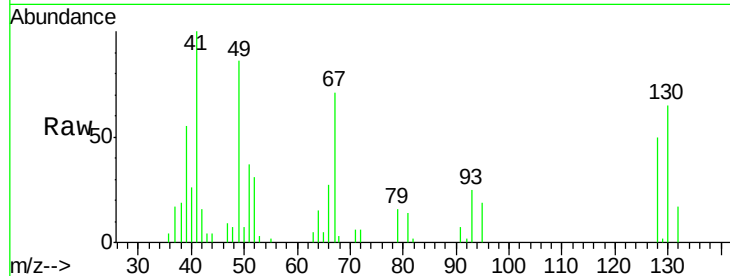
#35
Methacrylonitrile
Concen: 16.543 ug/l
RT: 7.13 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VN062938.D
Acq: 14 Aug 2020 14:02

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBS01

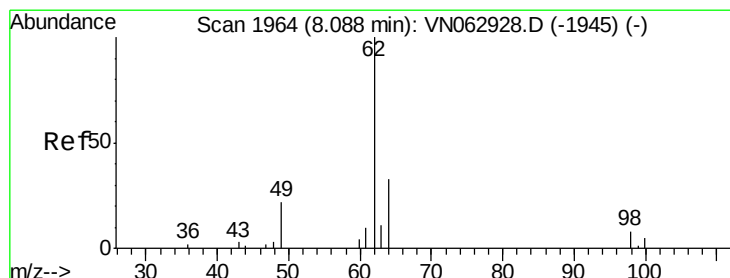
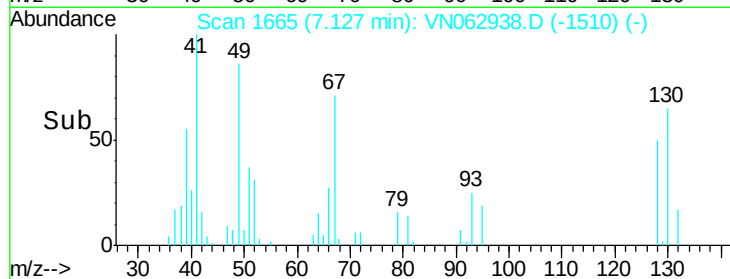
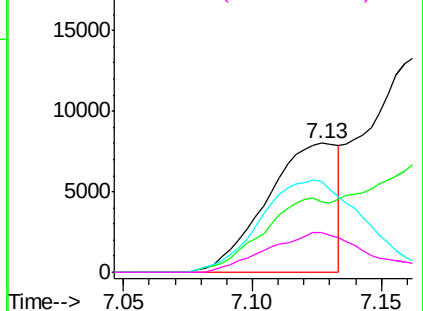
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.8	28.7	86.3	
67	70.6	36.8	110.3	
52	31.0	16.1	48.2	

Manual Integrations
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8/17/2020 5:45:06 PM

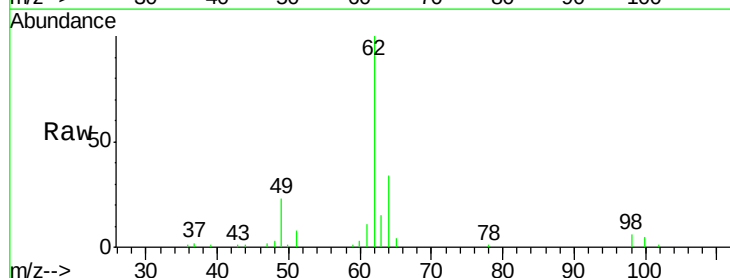


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

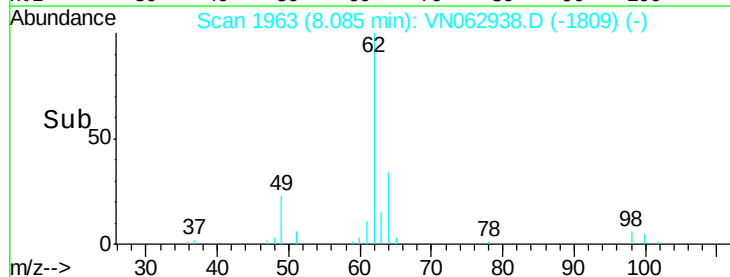
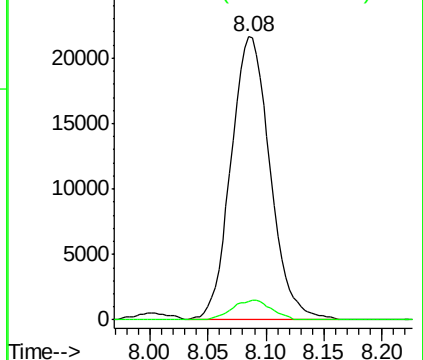


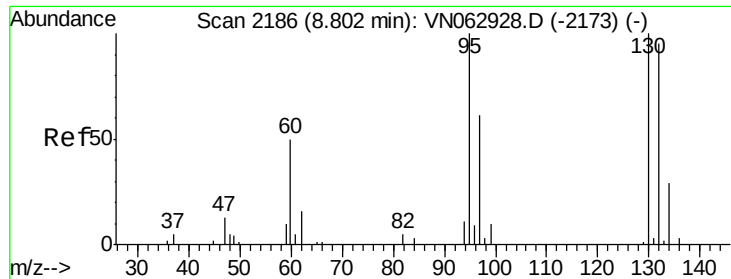
#36
1,2-Dichloroethane
Concen: 19.142 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN062938.D
Acq: 14 Aug 2020 14:02

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.0	6.1	9.1	



Abundance Ion 62.00 (61.70 to 62.70): VN0
Ion 98.00 (97.70 to 98.70): VN0





#37

Trichloroethene

Concen: 19.347 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN062938.D

Acq: 14 Aug 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBS01

Tot Ion:130 Resp: 29301

Ion Ratio Lower Upper

130 100

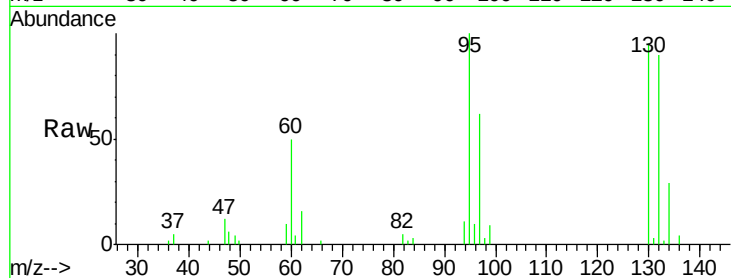
95 105.2 80.1 120.1

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): VN062938.D (-2173) (-)

Ion 94.90 (94.60 to 95.60): VN062938.D (-2173) (-)

8.80

15000

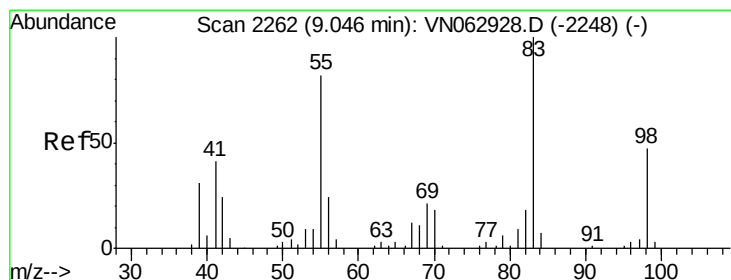
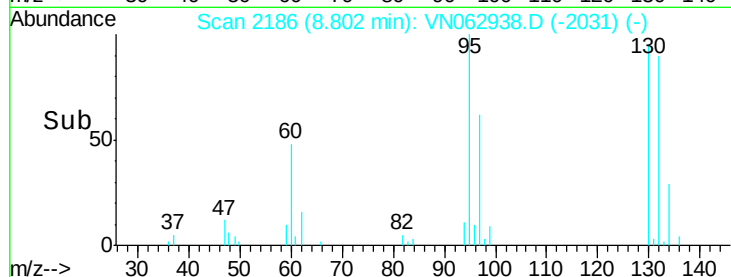
10000

5000

0

8.75 8.80 8.85

Time-->



#38

Methylcyclohexane

Concen: 18.066 ug/l

RT: 9.05 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VN062938.D

Acq: 14 Aug 2020 14:02

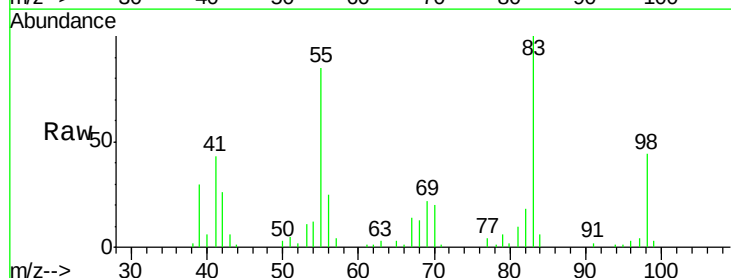
Tgt Ion: 83 Resp: 43889

Ion Ratio Lower Upper

83 100

55 83.9 40.8 122.5

98 44.4 22.3 66.8



Abundance Ion 83.00 (82.70 to 83.70): VN062938.D (-2107) (-)

Ion 55.00 (54.70 to 55.70): VN062938.D (-2107) (-)

Ion 98.00 (97.70 to 98.70): VN062938.D (-2107) (-)

9.05

25000

20000

15000

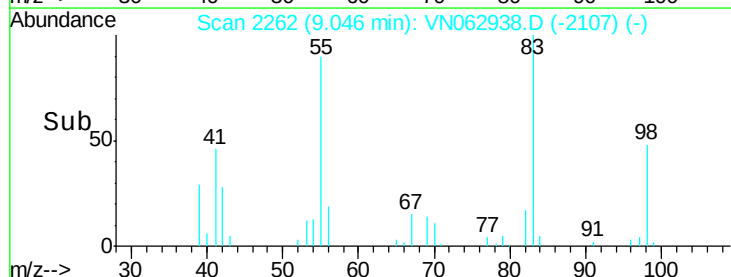
10000

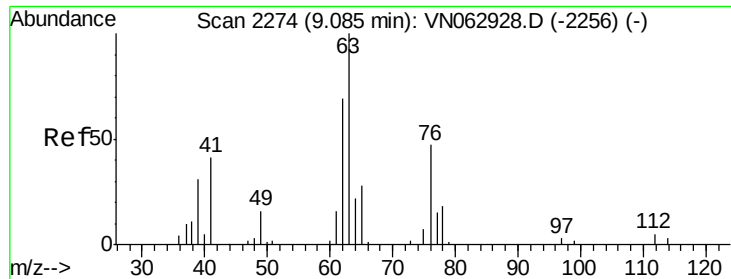
5000

0

8.95 9.00 9.05 9.10

Time-->





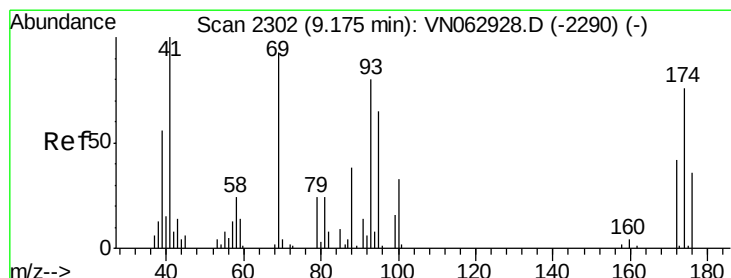
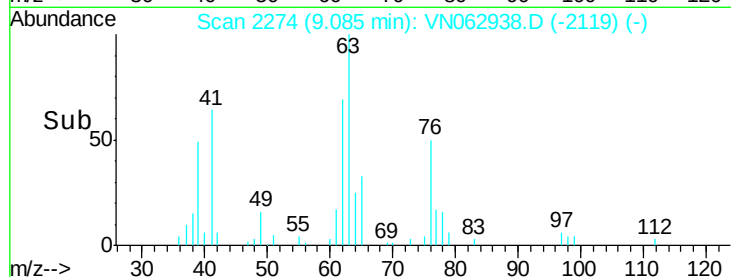
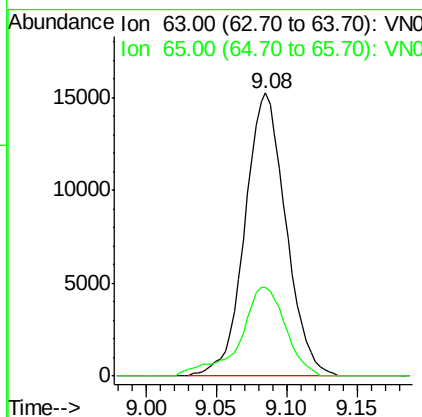
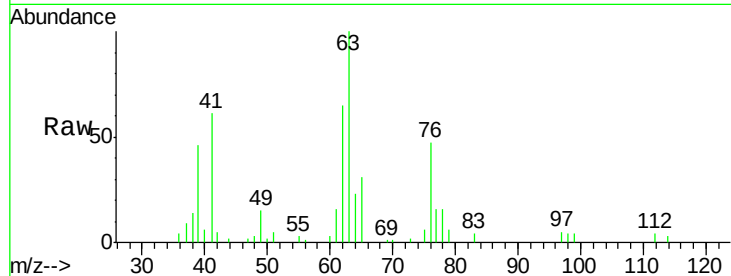
#39
 1,2-Dichloropropane
 Concen: 18.632 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VN062938.D
 Acq: 14 Aug 2020 14:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.2	23.8	35.6

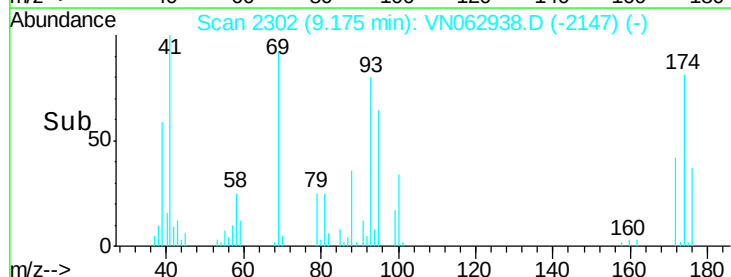
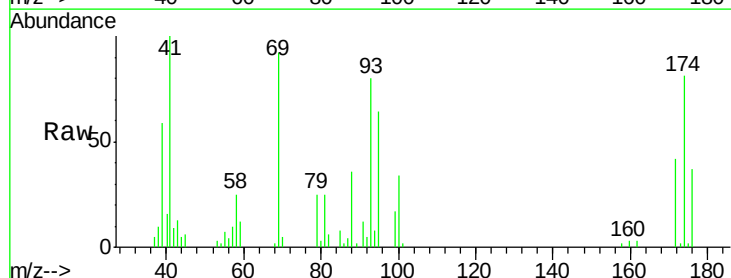
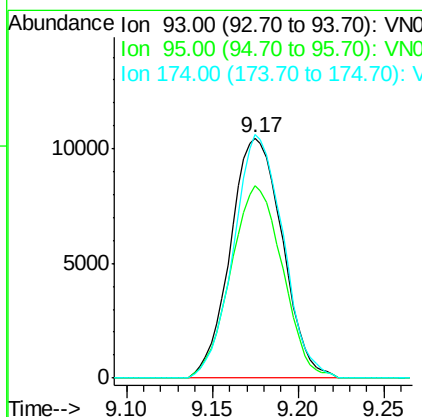
Manual Integrations
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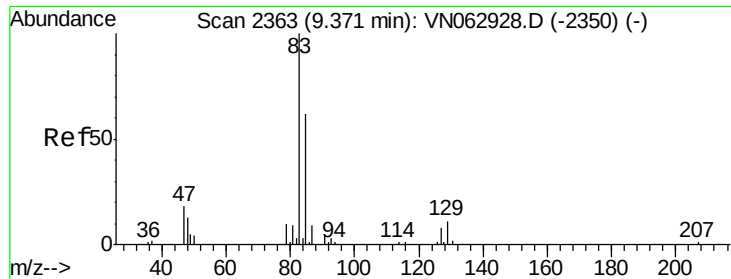
MMDadoda
 8/17/2020 5:45:06 PM



#40
 Dibromomethane
 Concen: 19.506 ug/l
 RT: 9.17 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN062938.D
 Acq: 14 Aug 2020 14:02

Tgt Ion	Ratio	Lower	Upper
93	100		
95	79.5	0.0	161.8
174	96.6	0.0	190.0





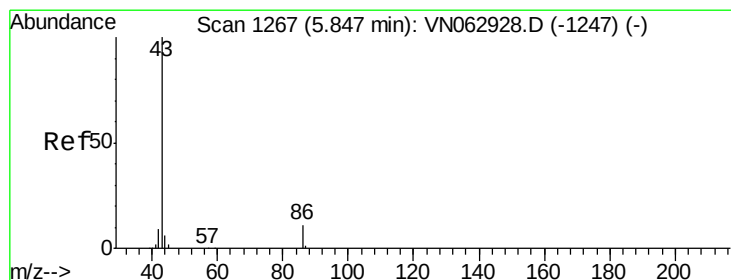
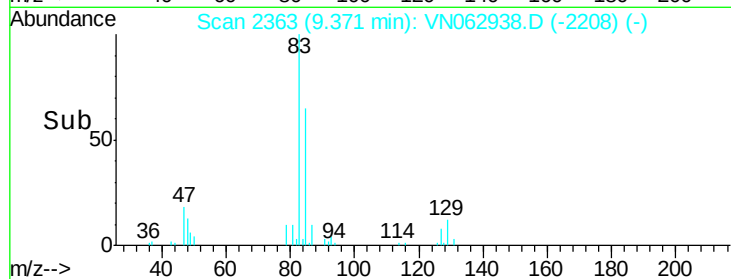
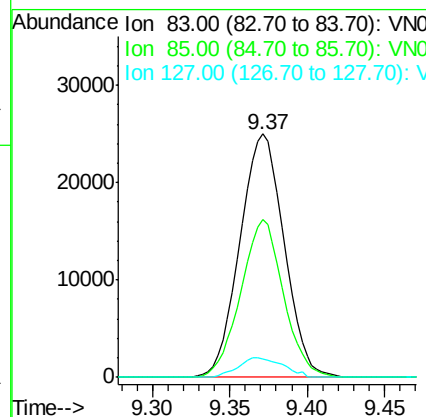
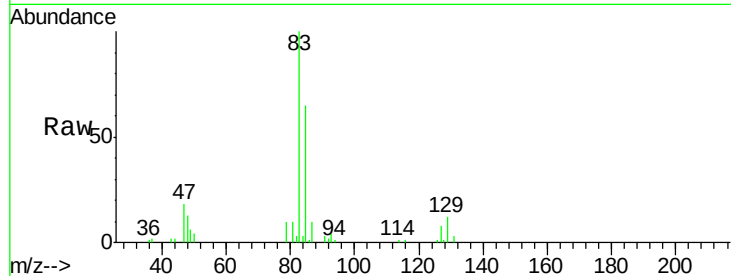
#41
Bromodichloromethane
Concen: 19.605 ug/l
RT: 9.37 min Scan# 2363
Delta R.T. -0.00 min
Lab File: VN062938.D
Acq: 14 Aug 2020 14:02

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBS01

Tot Ion	83	Resp	49674
Ion Ratio	100	Lower	Upper
83	100		
85	65.0	49.9	74.9
127	7.8	7.1	10.7

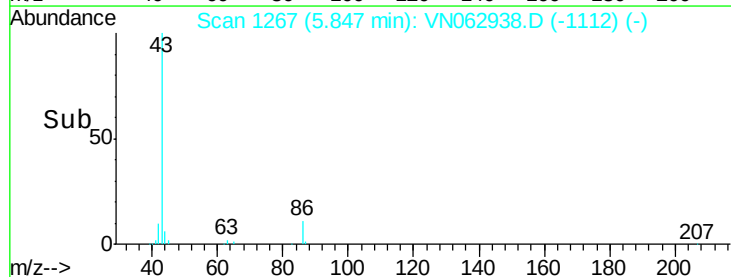
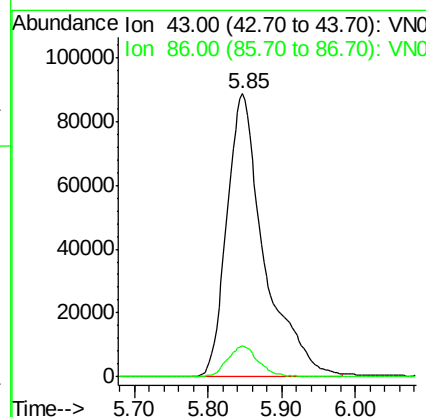
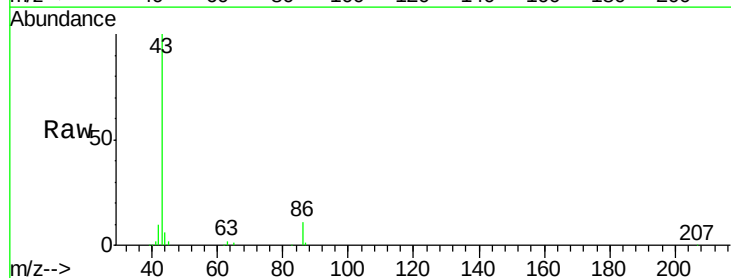
Manual Integrations
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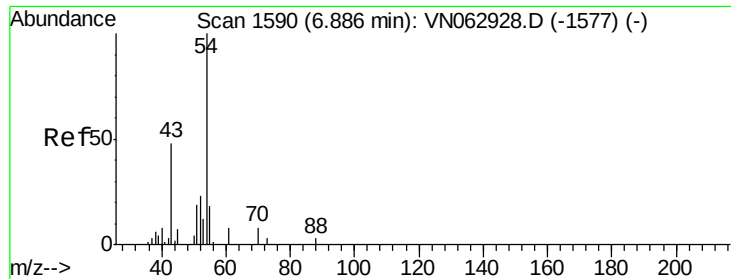
MMDadoda
8/17/2020 5:45:06 PM



#42
Vinyl Acetate
Concen: 88.099 ug/l
RT: 5.85 min Scan# 1267
Delta R.T. -0.00 min
Lab File: VN062938.D
Acq: 14 Aug 2020 14:02

Tgt Ion	43	Resp	312231
Ion Ratio	100	Lower	Upper
43	100		
86	9.0	7.1	10.7





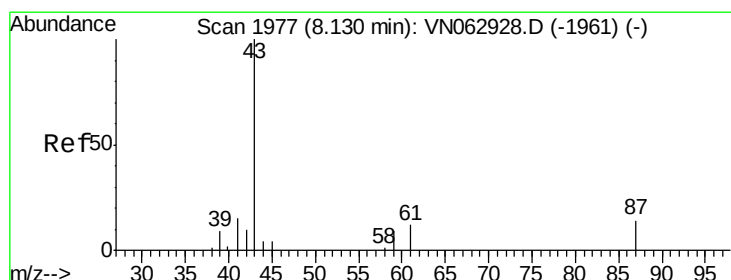
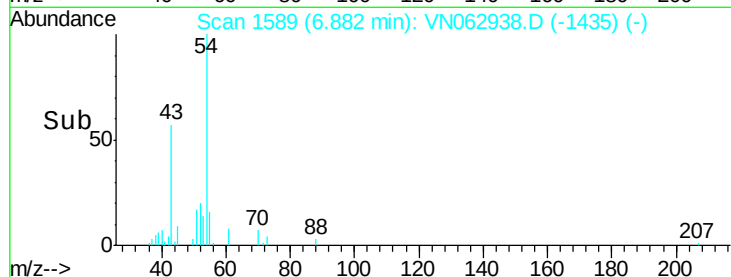
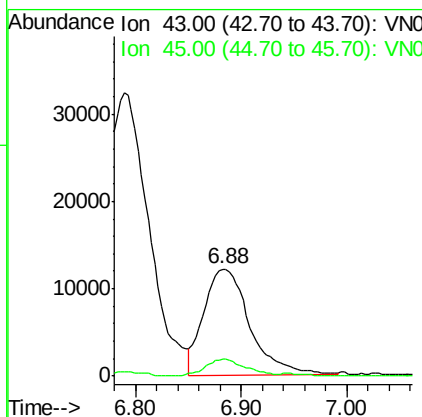
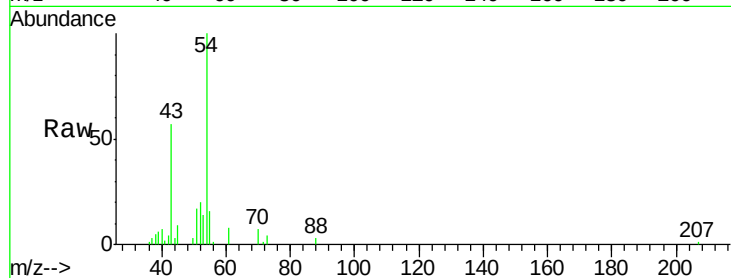
#43
Ethyl Acetate
Concen: 17.855 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. -0.00 min
Lab File: VN062938.D
Acq: 14 Aug 2020 14:02

Instrument :
MSVOA_N
ClientSampled :
VN0814WBS01

Tot Ion	43	Ratio	Lower	Upper
36774	100			
45	14.2	6.6	9.8	

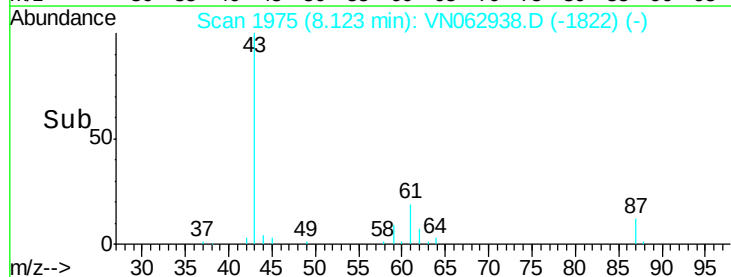
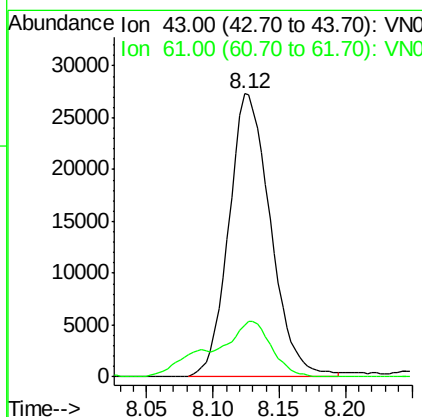
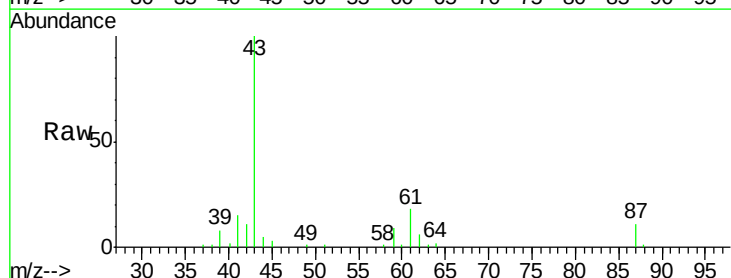
Manual Integrations
APPROVED

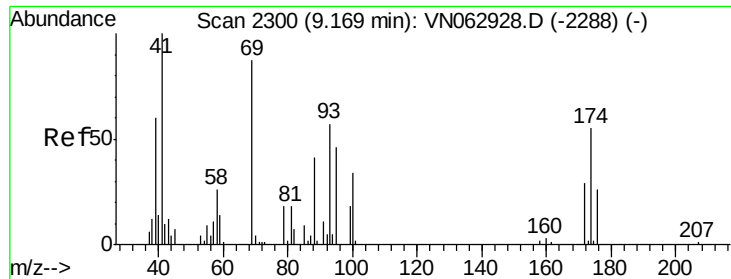
MMDadoda
8/17/2020 5:45:06 PM



#44
Isopropyl Acetate
Concen: 17.778 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.01 min
Lab File: VN062938.D
Acq: 14 Aug 2020 14:02

Tgt Ion	43	Ratio	Lower	Upper
59793	100			
61	19.8	17.2	25.8	





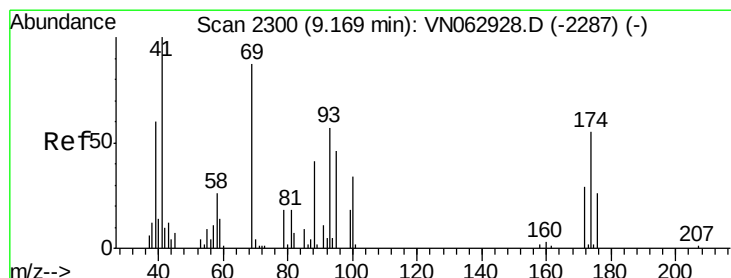
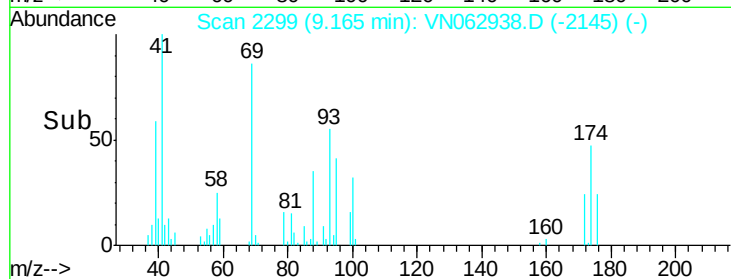
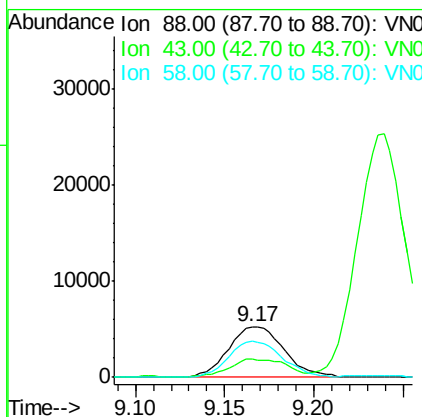
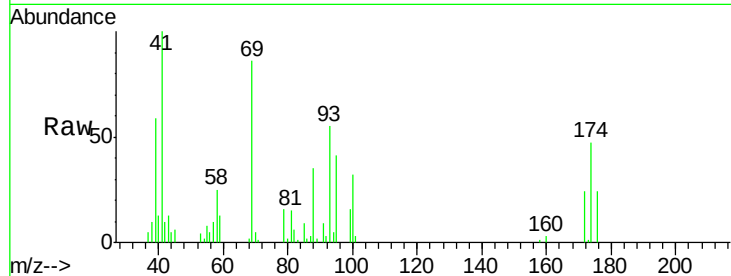
#45
 1,4-Dioxane
 Concen: 347.169 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN062938.D
 Acq: 14 Aug 2020 14:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.3	26.0	39.0
58	68.8	54.2	81.2

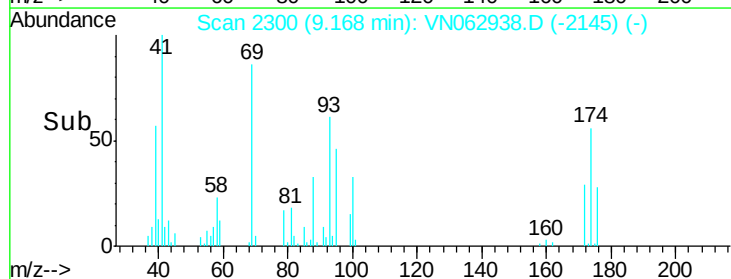
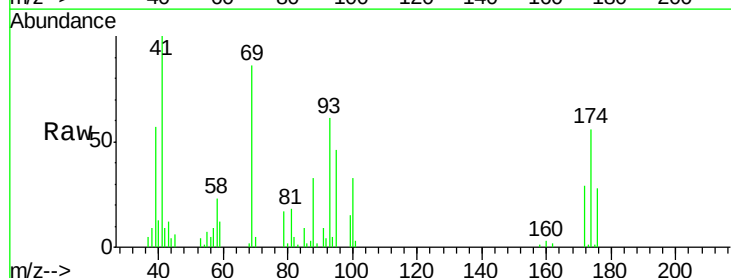
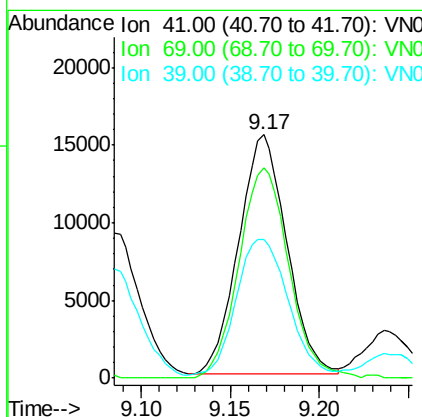
Manual Integrations
 APPROVED

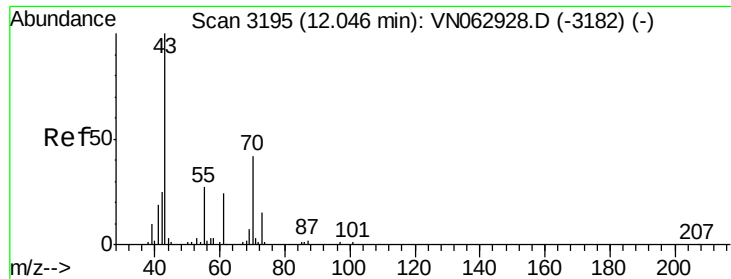
MMDadoda
 8/17/2020 5:45:06 PM



#46
 Methyl methacrylate
 Concen: 17.283 ug/l
 RT: 9.17 min Scan# 2300
 Delta R.T. -0.00 min
 Lab File: VN062938.D
 Acq: 14 Aug 2020 14:02

Tgt Ion	Ratio	Lower	Upper
41	100		
69	87.9	43.6	130.9
39	56.9	29.9	89.8





#47

n-amvl Acetate

Concen: 16.959 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.00 min

Lab File: VN062938.D

Acq: 14 Aug 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBS01

Tot Ion: 43 Resp: 50885

Ion Ratio Lower Upper

43 100

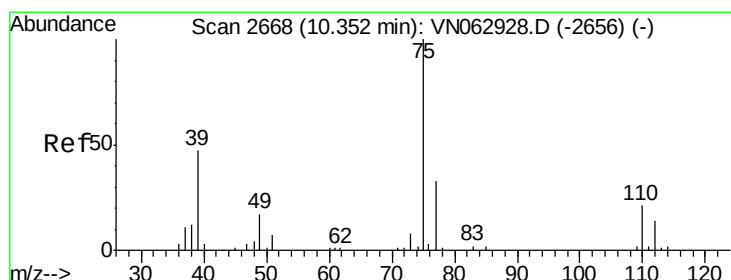
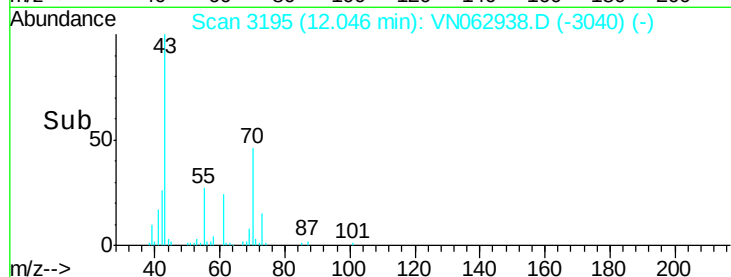
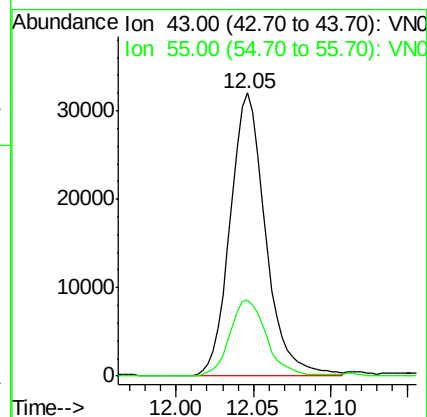
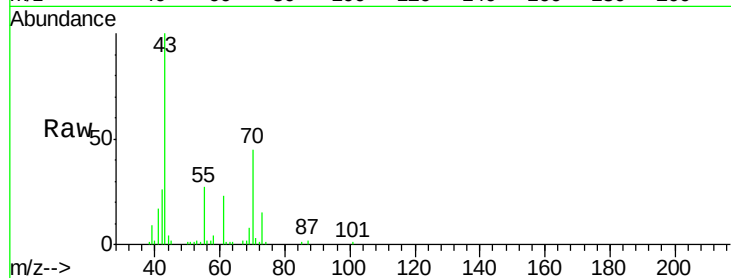
55 27.7 20.8 31.2

Manual Integrations

APPROVED

MMDadoda

8/17/2020 5:45:06 PM



#48

t-1,3-Dichloropropene

Concen: 18.498 ug/l

RT: 10.35 min Scan# 2669

Delta R.T. 0.00 min

Lab File: VN062938.D

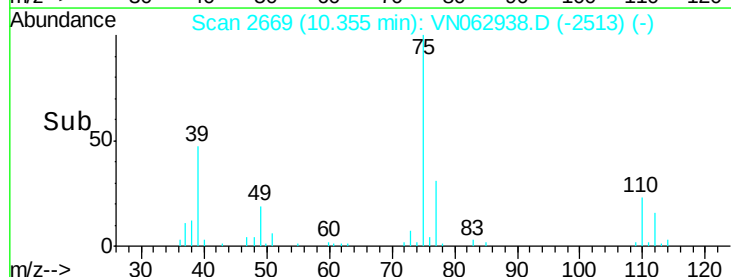
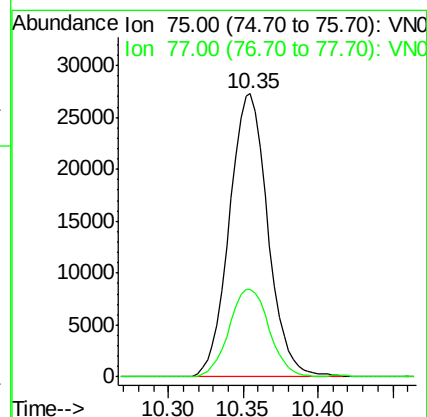
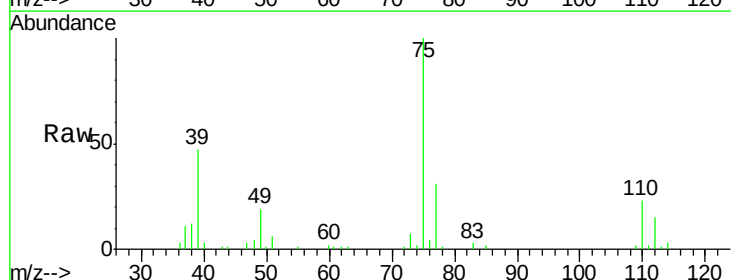
Acq: 14 Aug 2020 14:02

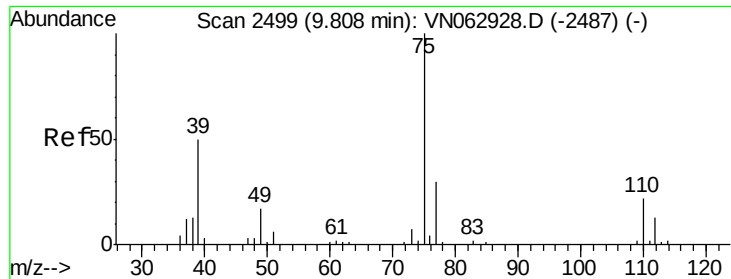
Tgt Ion: 75 Resp: 48962

Ion Ratio Lower Upper

75 100

77 30.8 26.2 39.2





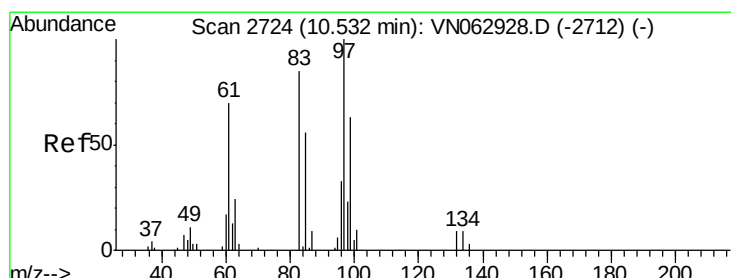
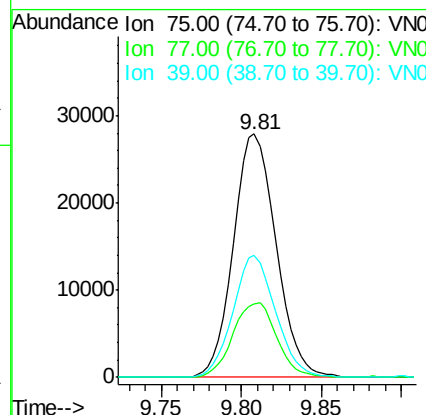
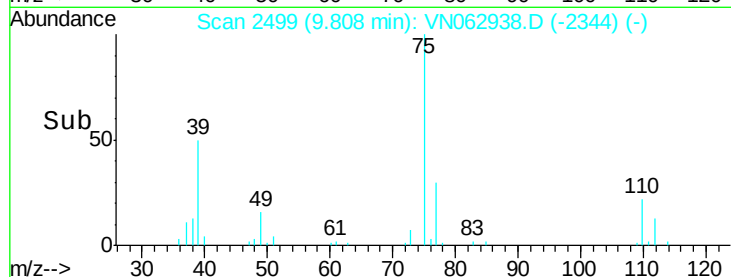
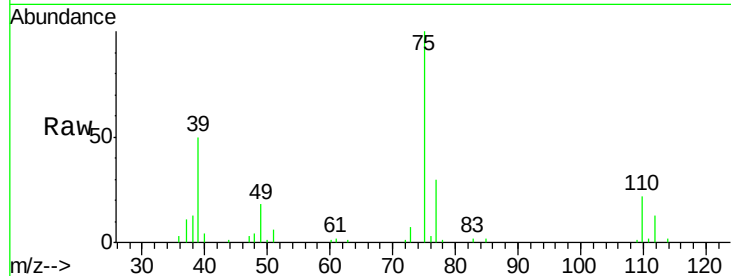
#49
 cis-1,3-Dichloropropene
 Concen: 19.101 ug/l
 RT: 9.81 min Scan# 2499
 Delta R.T. -0.00 min
 Lab File: VN062938.D
 Acq: 14 Aug 2020 14:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBS01

Tot Ion:	75	Resp:	50806
Ion Ratio	Lower	Upper	
75	100		
77	30.4	24.4	36.6
39	50.2	40.2	60.4

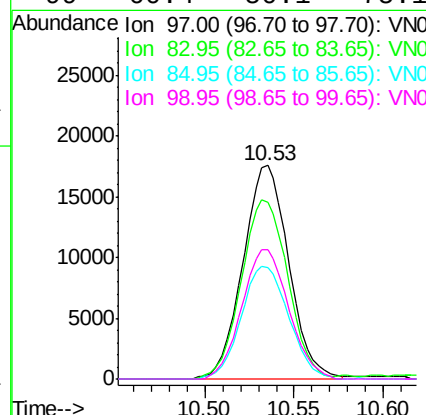
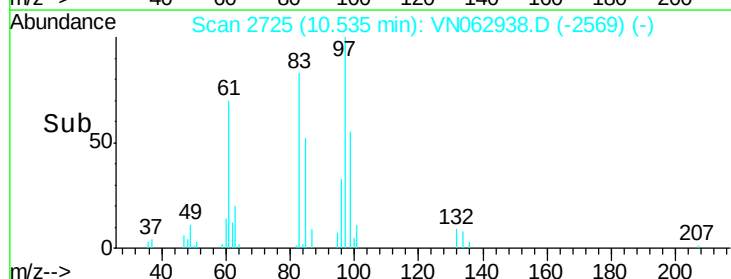
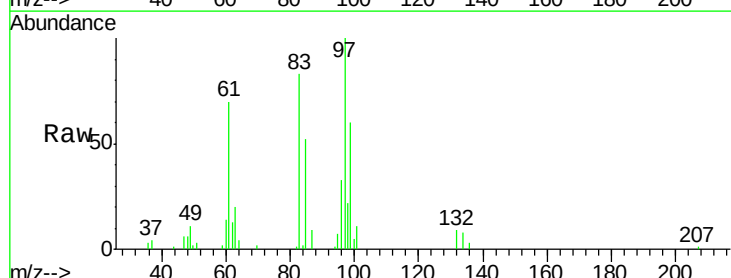
Manual Integrations
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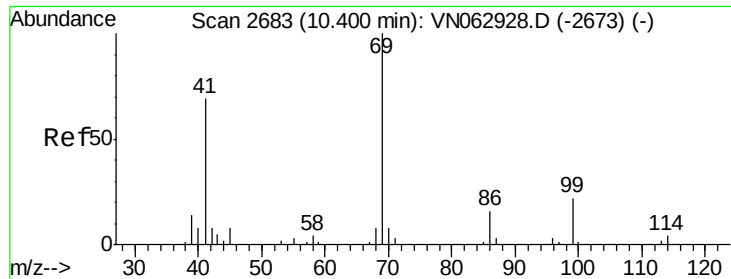
MMDadoda
 8/17/2020 5:45:06 PM



#50
 1,1,2-Trichloroethane
 Concen: 19.384 ug/l
 RT: 10.53 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: VN062938.D
 Acq: 14 Aug 2020 14:02

Tgt Ion:	97	Resp:	31450
Ion Ratio	Lower	Upper	
97	100		
83	82.8	67.8	101.6
85	52.2	44.5	66.7
99	60.4	50.1	75.1





#51

Ethyl methacrylate

Concen: 17.608 ug/l

RT: 10.40 min Scan# 2684

Delta R.T. 0.00 min

Lab File: VN062938.D

Acq: 14 Aug 2020 14:02

Instrument :

MSVOA_N

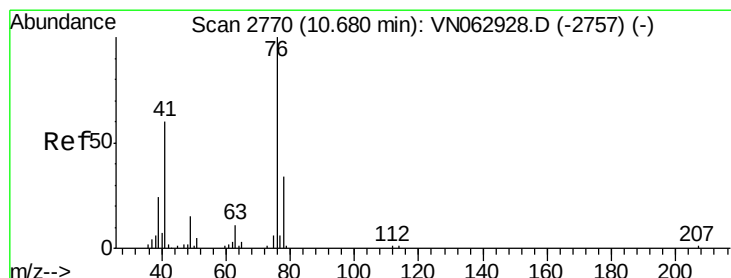
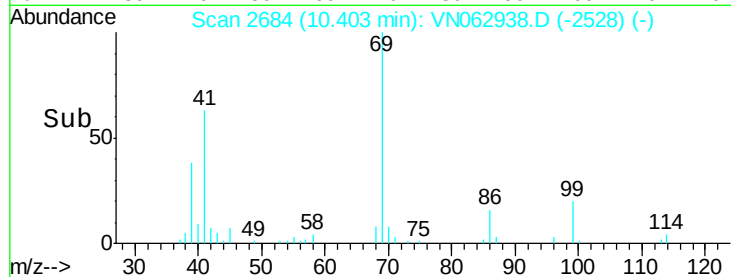
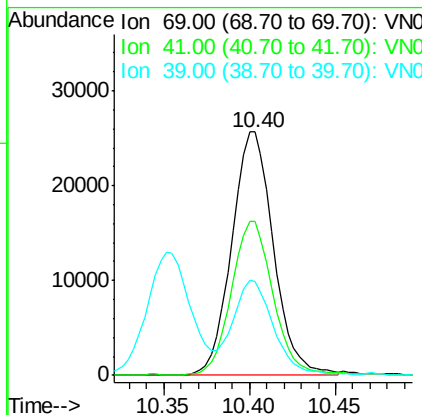
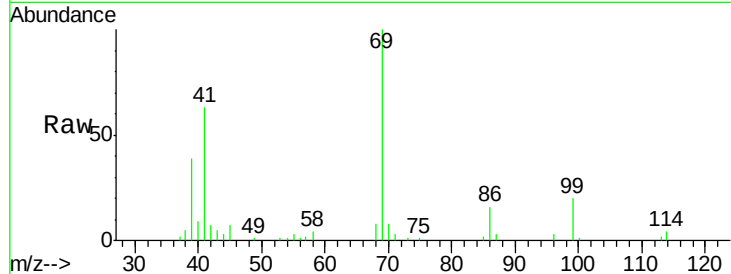
ClientSampled :

VN0814WBS01

Tot Ion:	69	Resp:	43490
Ion	Ratio	Lower	Upper
69	100		
41	62.4	34.8	104.3
39	37.9	18.6	55.8

Manual Integrations
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8/17/2020 5:45:06 PM



#52

1,3-Dichloropropane

Concen: 19.034 ug/l

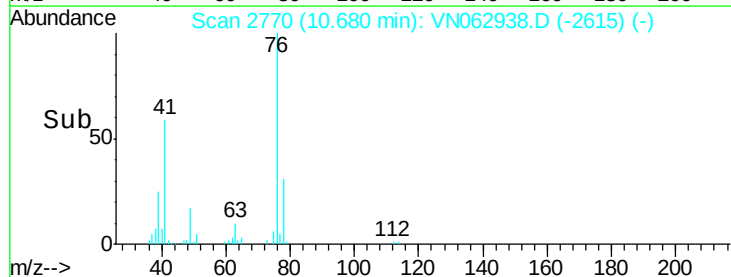
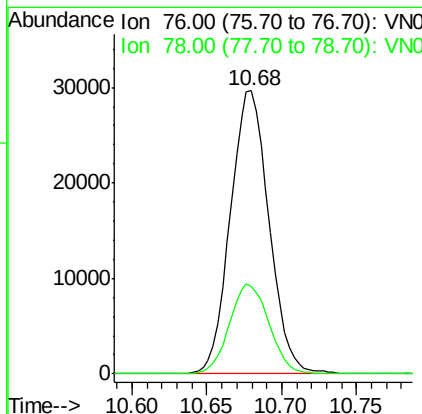
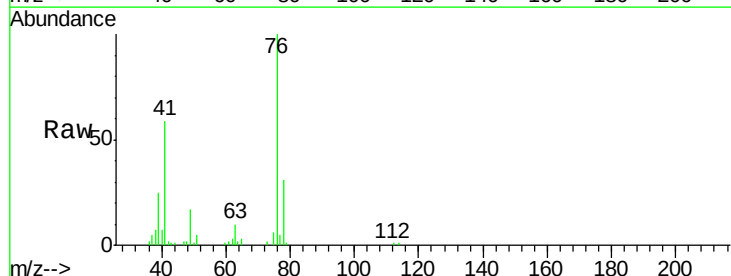
RT: 10.68 min Scan# 2770

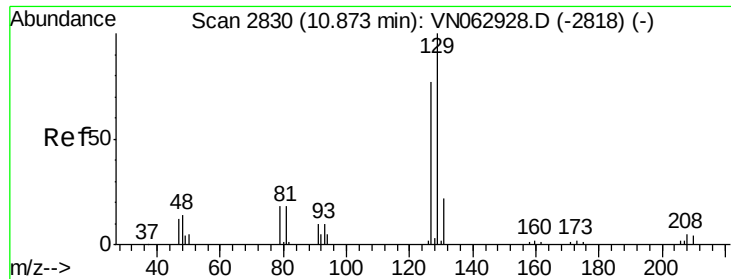
Delta R.T. -0.00 min

Lab File: VN062938.D

Acq: 14 Aug 2020 14:02

Tgt Ion:	76	Resp:	53359
Ion	Ratio	Lower	Upper
76	100		
78	32.3	0.0	66.2





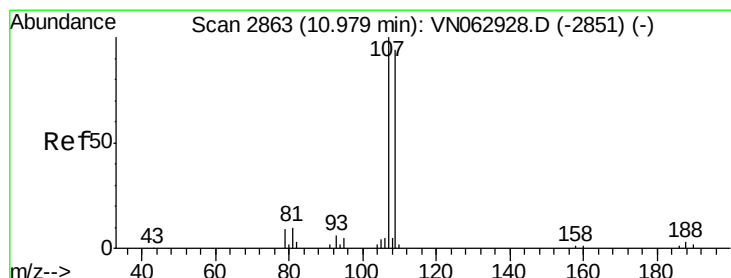
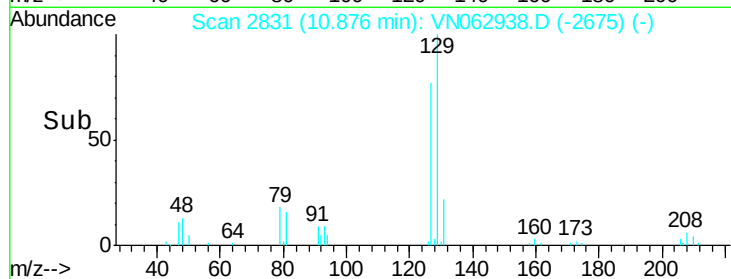
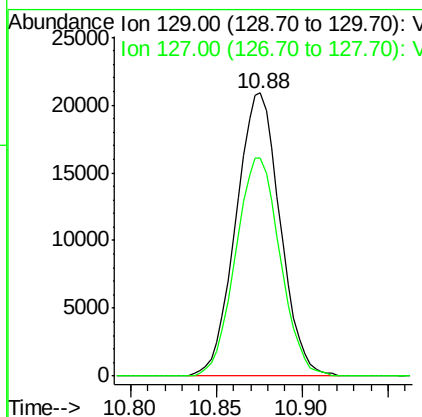
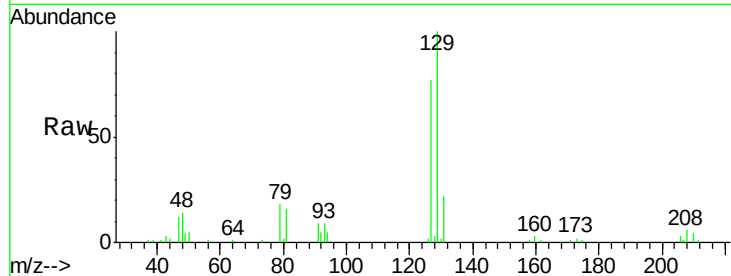
#53
Dibromochloromethane
Concen: 19.258 ug/l
RT: 10.88 min Scan# 2831
Delta R.T. 0.00 min
Lab File: VN062938.D
Acq: 14 Aug 2020 14:02

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBS01

Tot Ion:129 Resp: 37351
Ion Ratio Lower Upper
129 100
127 77.6 38.1 114.5

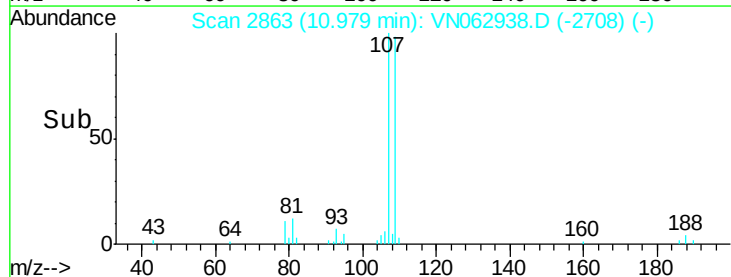
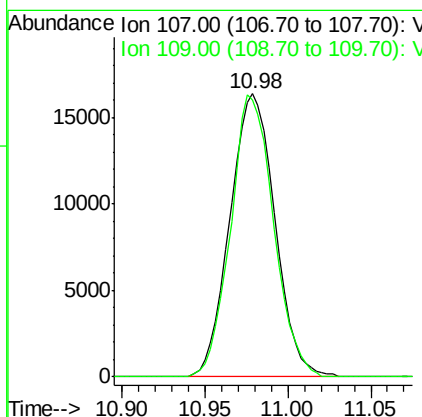
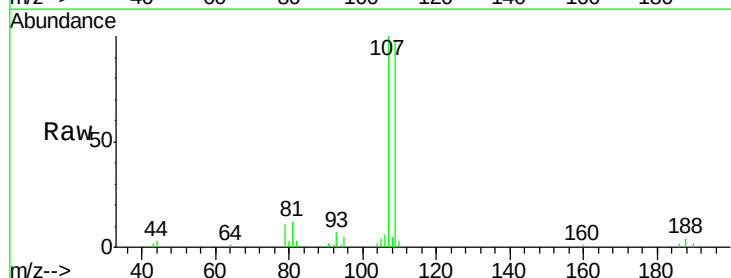
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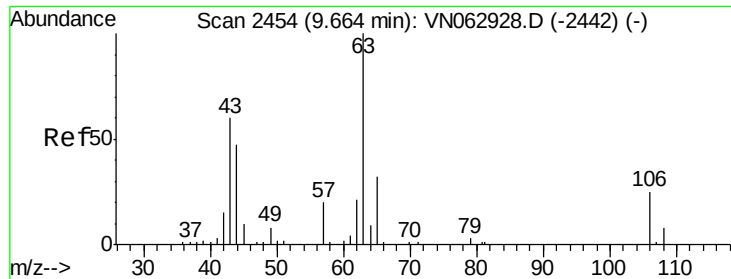
MMDadoda
8/17/2020 5:45:06 PM



#54
1,2-Dibromoethane
Concen: 18.608 ug/l
RT: 10.98 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VN062938.D
Acq: 14 Aug 2020 14:02

Tgt Ion:107 Resp: 30896
Ion Ratio Lower Upper
107 100
109 95.0 76.9 115.3





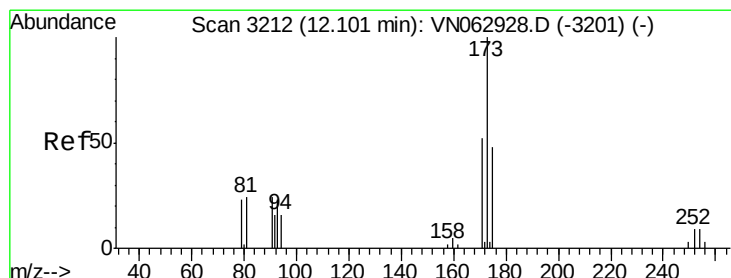
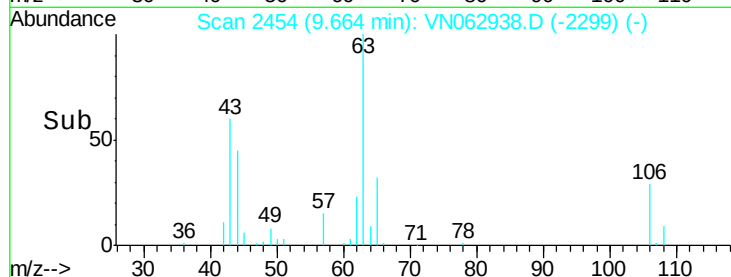
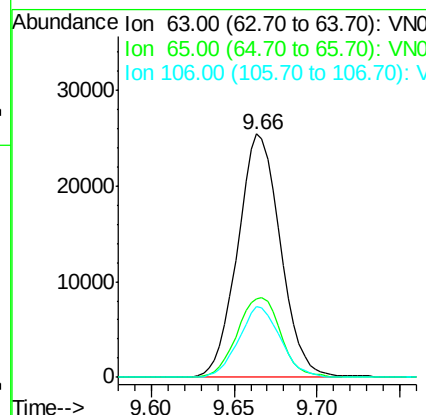
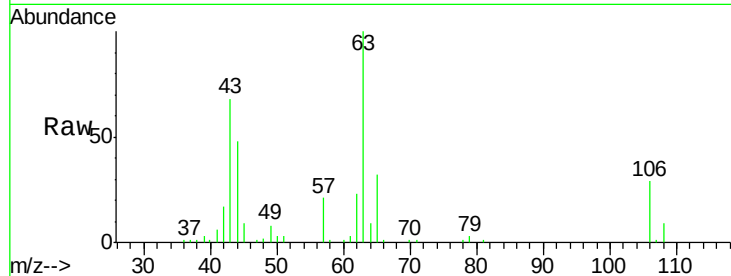
#55
2-Chloroethyl vinyl ether
Concen: 76.292 ug/l
RT: 9.66 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VN062938.D
Acq: 14 Aug 2020 14:02

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	33.4	25.8	38.8
106	28.2	20.4	30.6

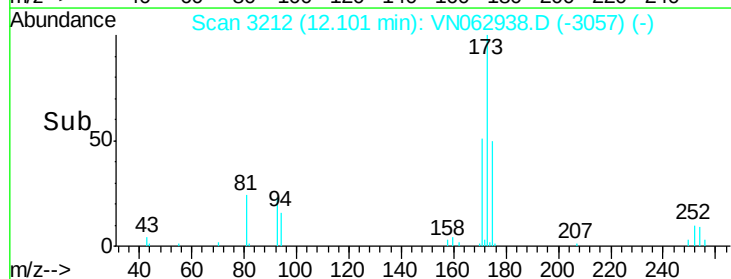
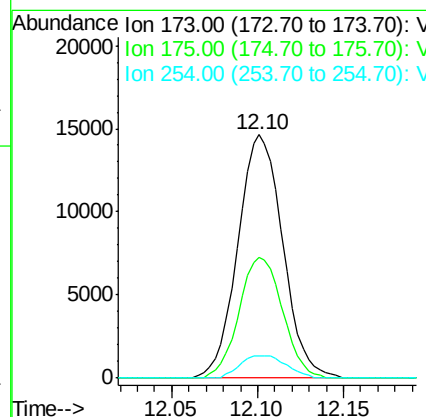
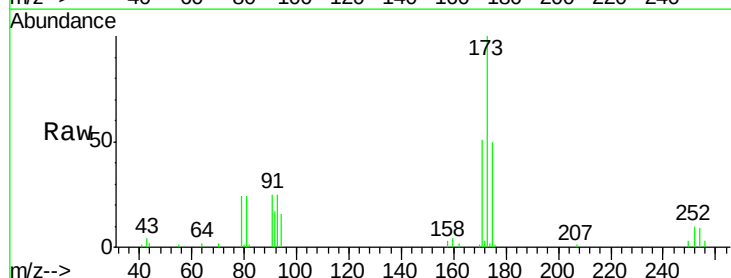
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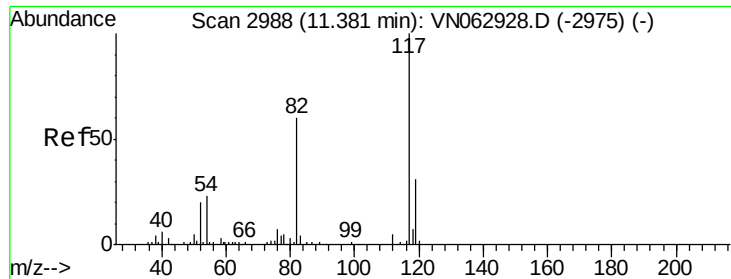
MMDadoda
8/17/2020 5:45:06 PM



#56
Bromoform
Concen: 19.325 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. -0.00 min
Lab File: VN062938.D
Acq: 14 Aug 2020 14:02

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.0	37.8	56.6
254	9.5	6.9	10.3





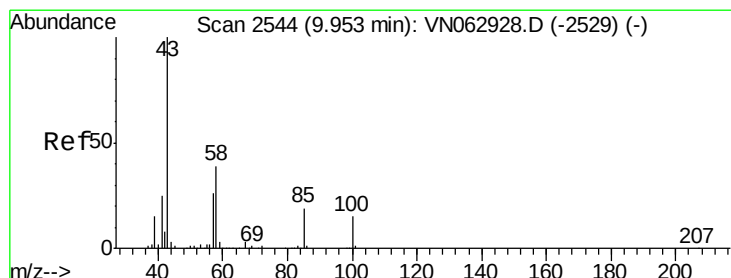
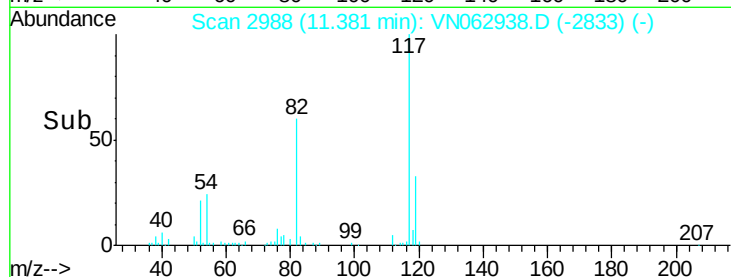
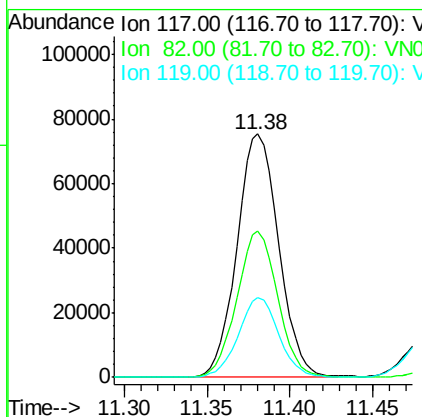
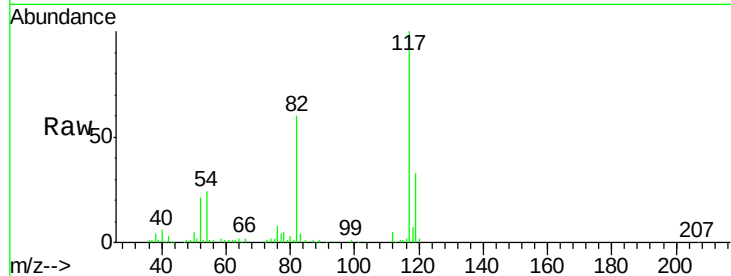
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062938.D
Acq: 14 Aug 2020 14:02

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	131911		
82	58.8	47.5	71.3	
119	31.8	26.0	39.0	

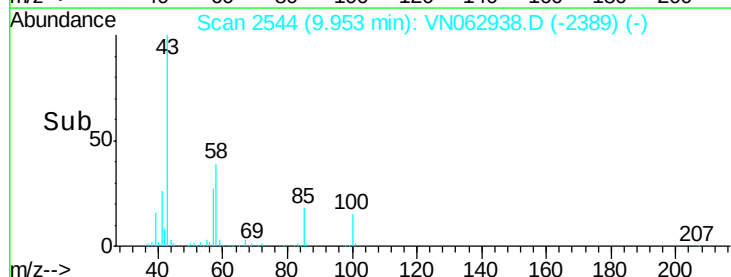
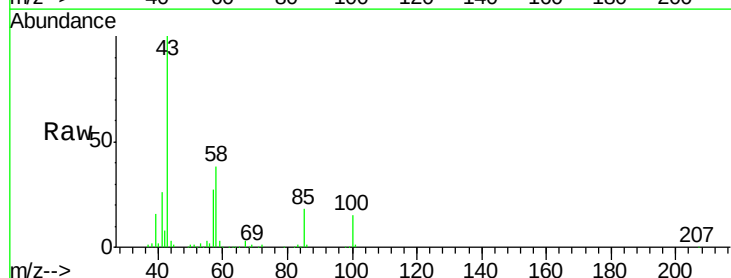
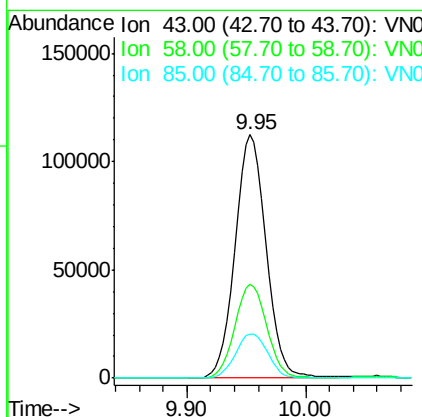
Manual Integrations
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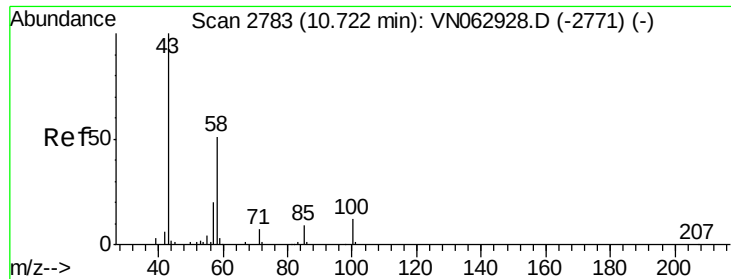
MMDadoda
8/17/2020 5:45:06 PM



#58
4-Methyl-2-Pentanone
Concen: 88.491 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. -0.00 min
Lab File: VN062938.D
Acq: 14 Aug 2020 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	203117		
58	39.8	31.3	46.9	
85	19.0	15.2	22.8	





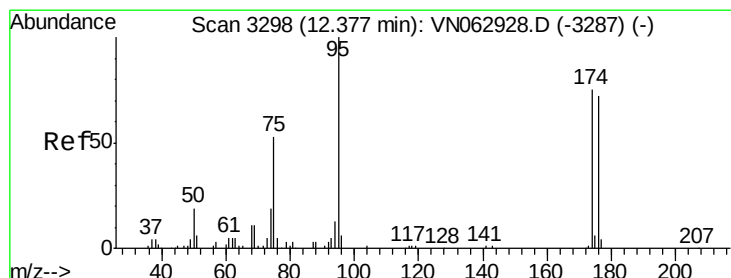
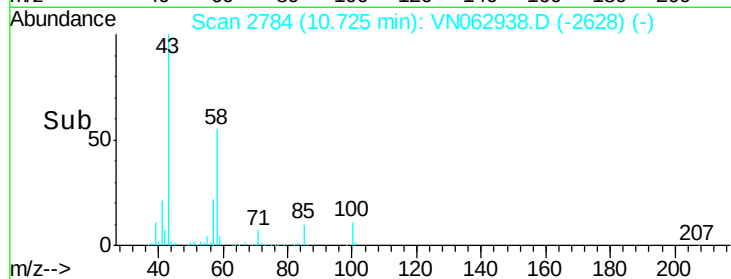
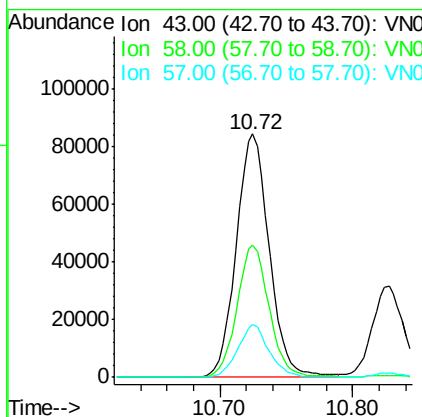
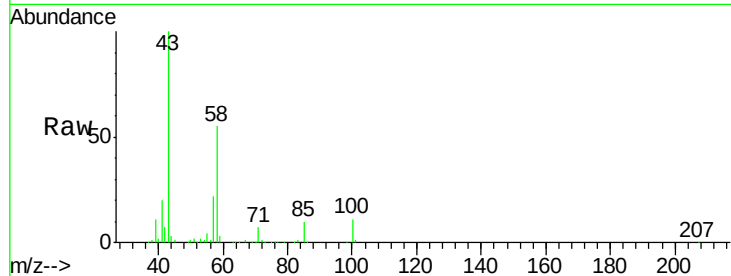
#59
2-Hexanone
Concen: 86.996 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN062938.D
Acq: 14 Aug 2020 14:02

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.0	41.8	62.6
57	20.5	16.2	24.2

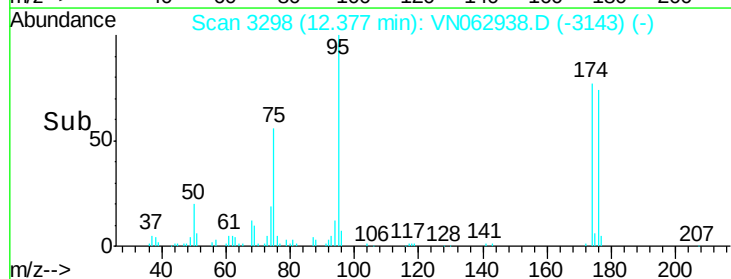
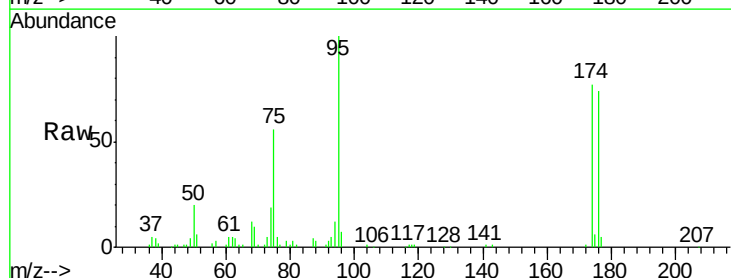
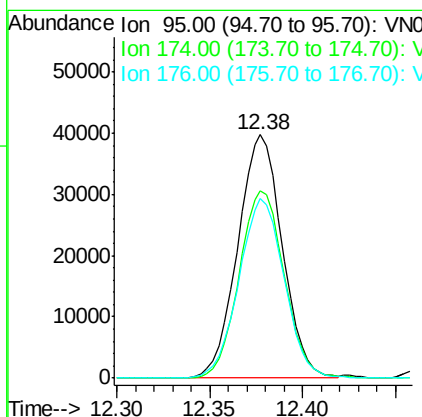
Manual Integrations
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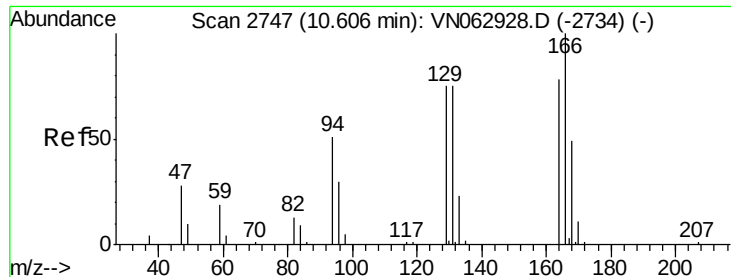
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 28.449 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062938.D
Acq: 14 Aug 2020 14:02

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.2	60.9	91.3
176	75.1	57.8	86.8





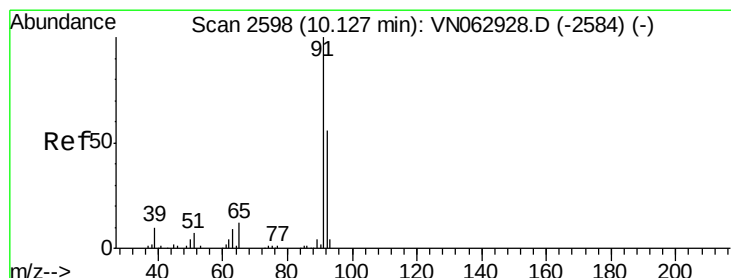
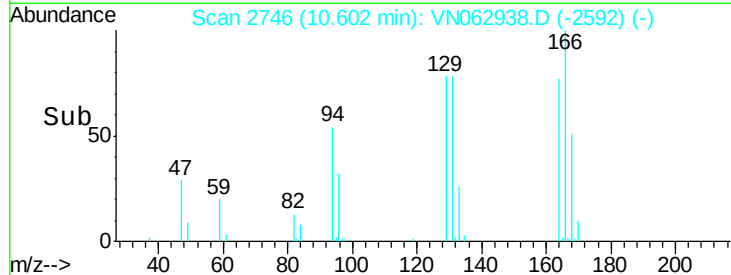
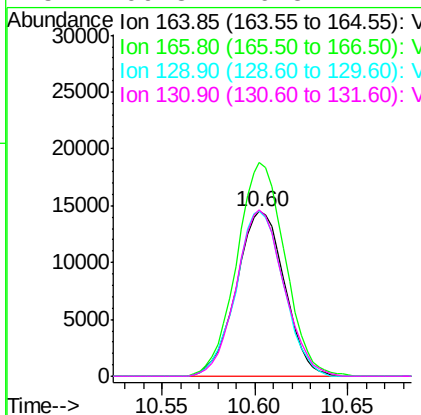
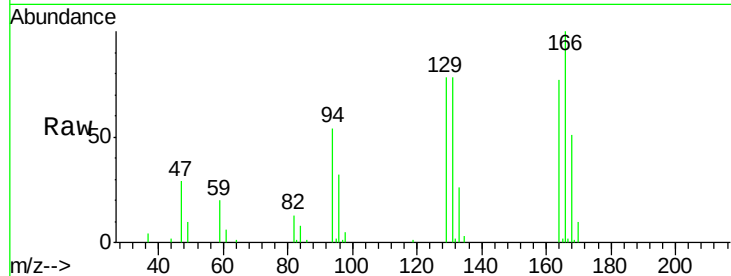
#61
Tetrachloroethene
Concen: 19.178 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062938.D
Acq: 14 Aug 2020 14:02

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBS01

Tot Ion	Ratio	Lower	Upper
164	100		
166	129.6	101.9	152.9
129	100.5	76.4	114.6
131	100.8	76.5	114.7

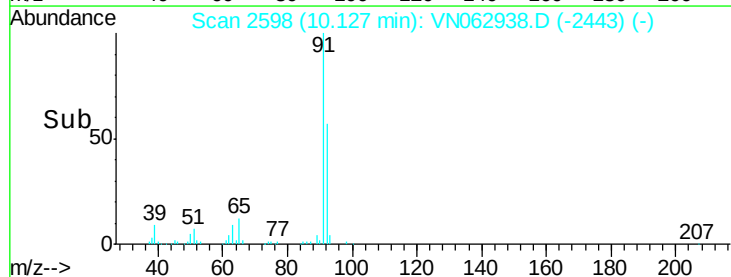
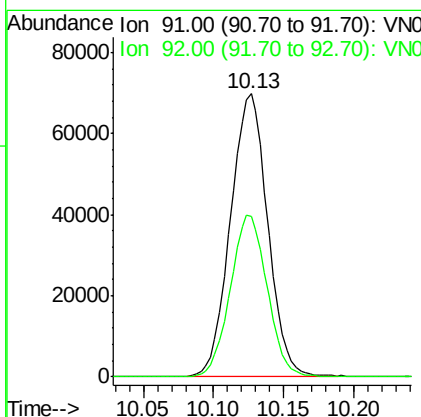
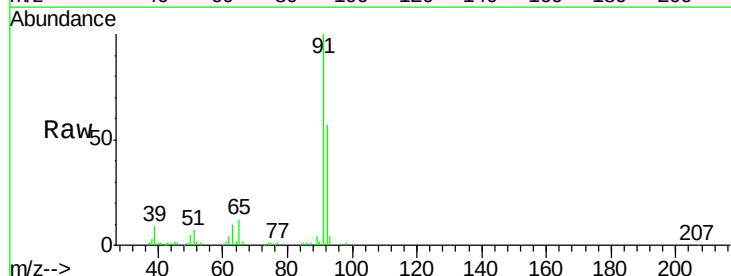
Manual Integrations
APPROVED

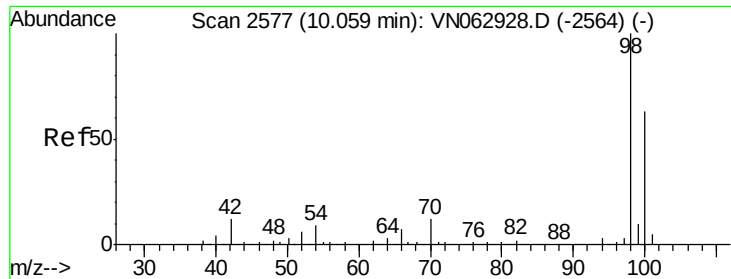
MMDadoda
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#62
Toluene
Concen: 18.593 ug/l
RT: 10.13 min Scan# 2598
Delta R.T. -0.00 min
Lab File: VN062938.D
Acq: 14 Aug 2020 14:02

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.6	45.2	67.8





#63

Toluene-d8

Concen: 30.158 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062938.D

Acq: 14 Aug 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBS01

Tot Ion: 98 Resp: 186022

Ion Ratio Lower Upper

98 100

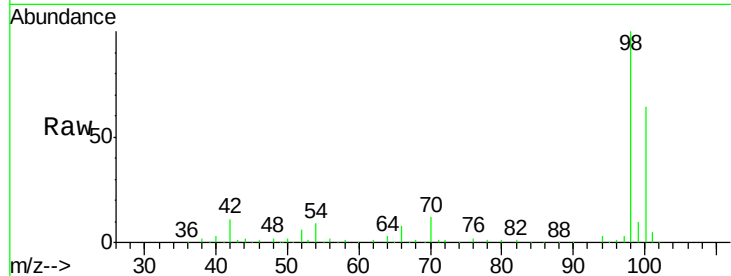
100 63.1 51.0 76.6

Manual Integrations

APPROVED

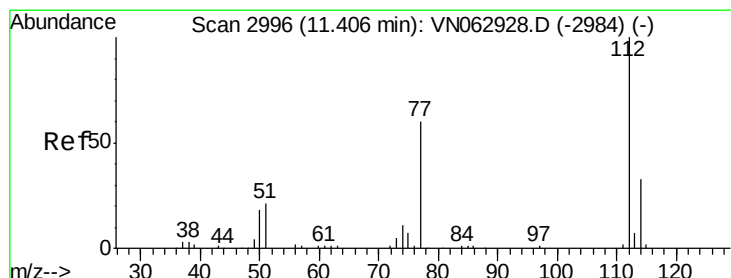
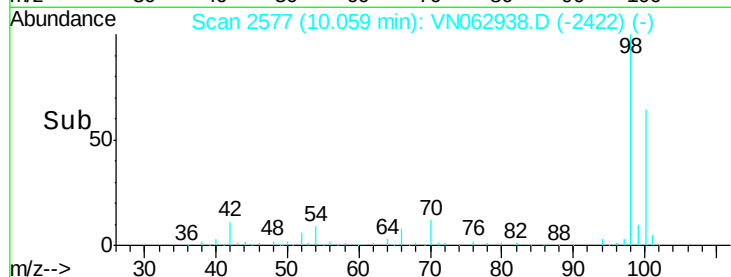
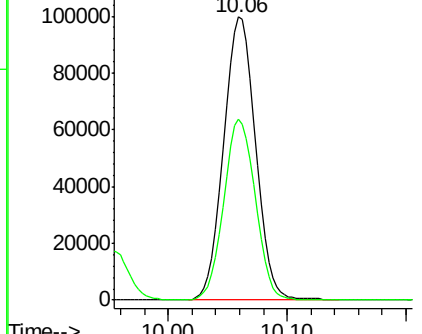
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Abundance Ion 98.00 (97.70 to 98.70): VN062928.D (-2564) (-)

Ion 100.00 (99.70 to 100.70): VN062928.D (-2564) (-)



#64

Chlorobenzene

Concen: 18.842 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN062938.D

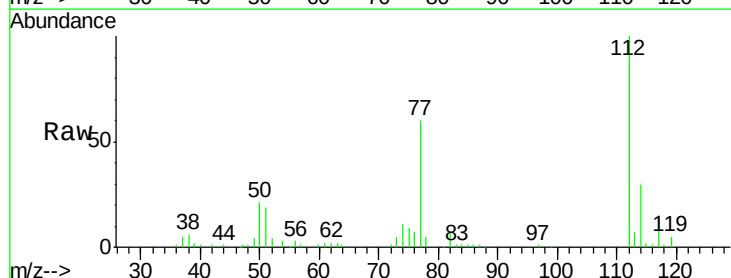
Acq: 14 Aug 2020 14:02

Tgt Ion: 112 Resp: 82208

Ion Ratio Lower Upper

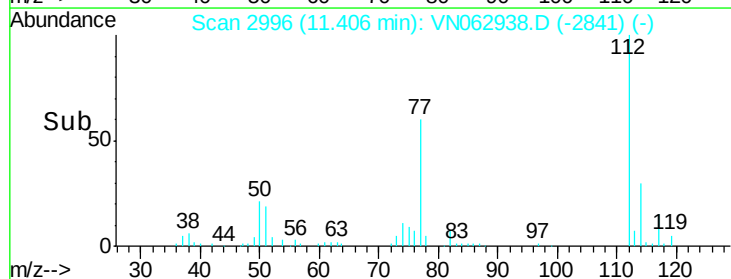
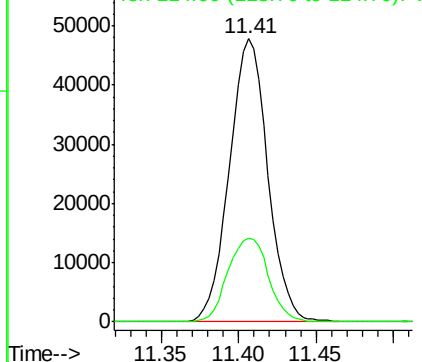
112 100

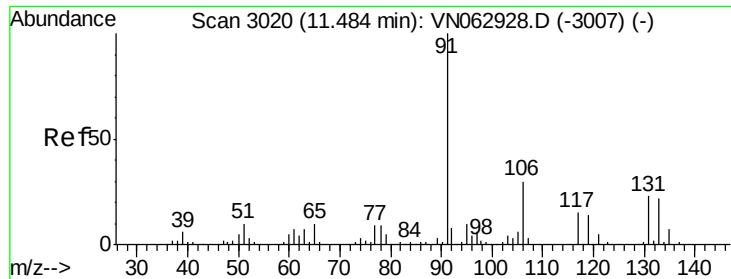
114 29.5 26.2 39.2



Abundance Ion 112.00 (111.70 to 112.70): VN062928.D (-2984) (-)

Ion 114.00 (113.70 to 114.70): VN062928.D (-2984) (-)





#65

1,1,1,2-Tetrachloroethane

Concen: 19.478 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. -0.00 min

Lab File: VN062938.D

Acq: 14 Aug 2020 14:02

Instrument :

MSVOA_N

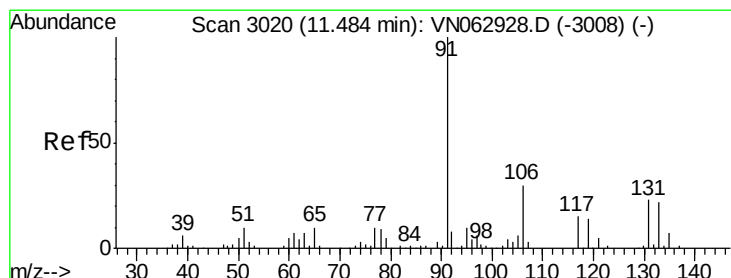
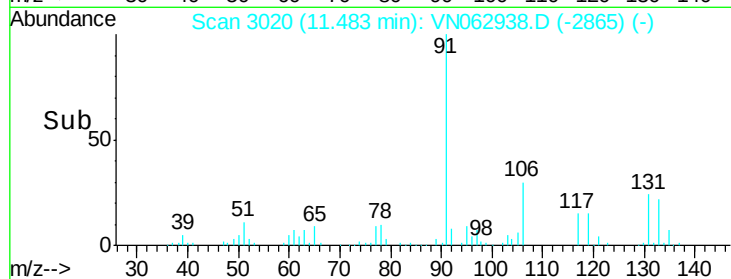
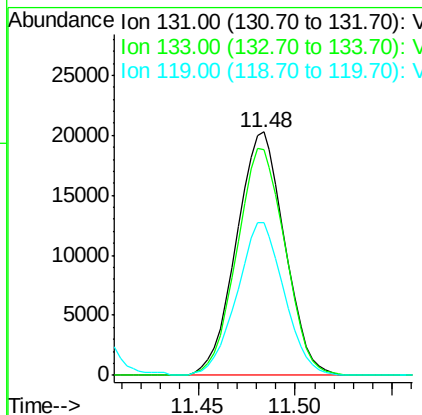
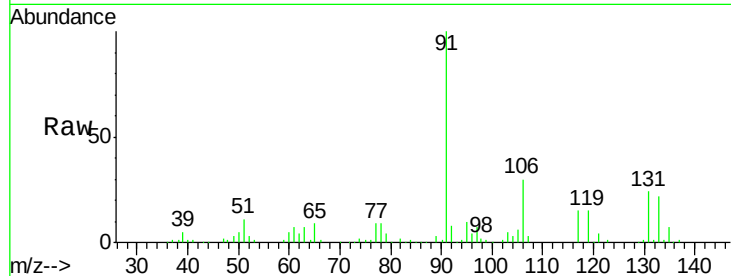
ClientSampled :

VN0814WBS01

Tot Ion	Ratio	Lower	Upper
131	100		
133	93.2	0.0	192.6
119	61.4	0.0	125.4

Manual Integrations
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#66

Ethyl Benzene

Concen: 18.396 ug/l

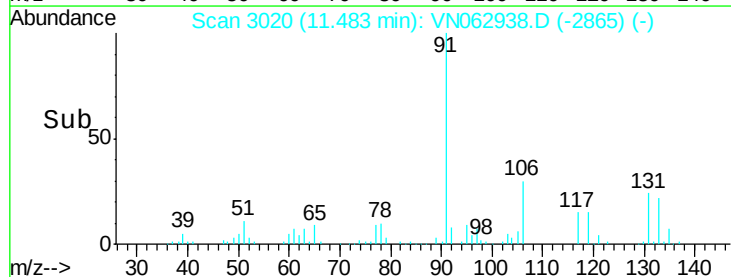
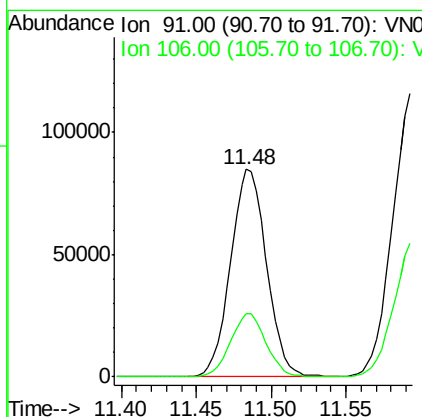
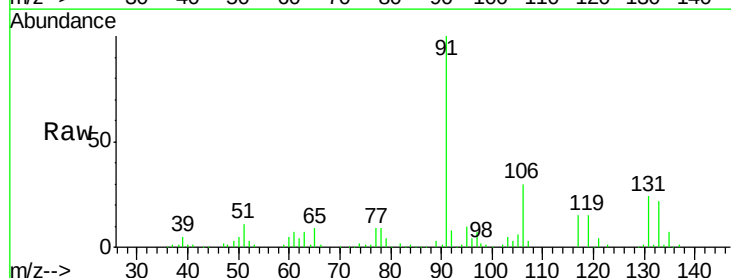
RT: 11.48 min Scan# 3020

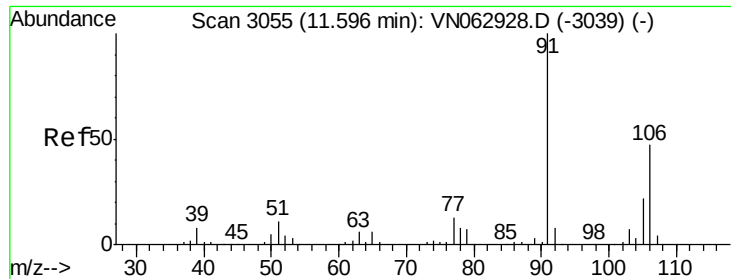
Delta R.T. -0.00 min

Lab File: VN062938.D

Acq: 14 Aug 2020 14:02

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.4	24.0	36.0





#67

m/p-Xylenes

Concen: 37.074 ug/l

RT: 11.60 min Scan# 3055

Delta R.T. -0.00 min

Lab File: VN062938.D

Acq: 14 Aug 2020 14:02

Instrument :

MSVOA_N

ClientSampled :

VN0814WBS01

Tot Ion:106 Resp: 106262

Ion Ratio Lower Upper

106 100

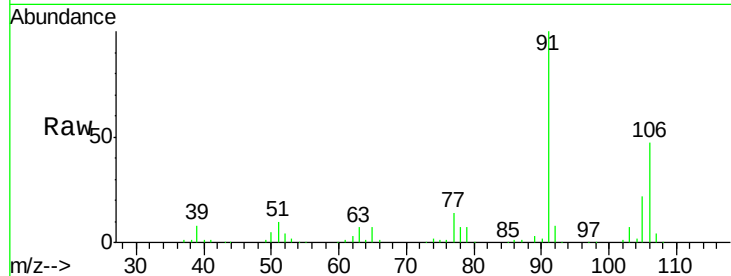
91 215.7 171.0 256.6

Manual Integrations

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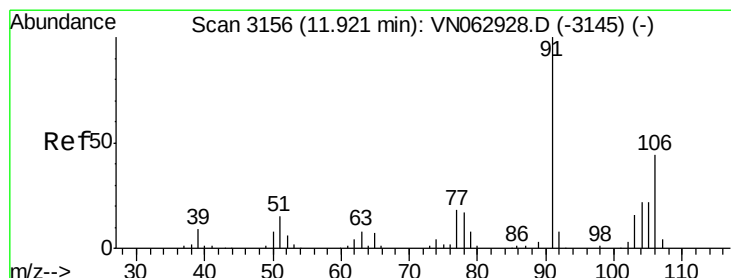
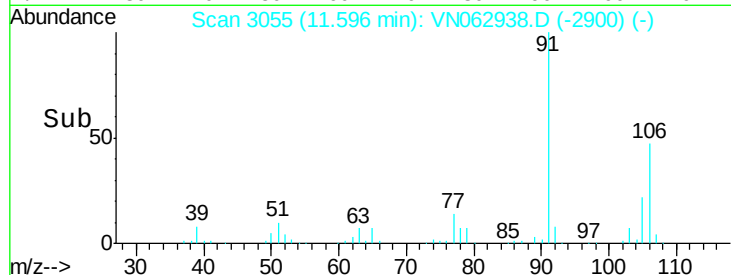
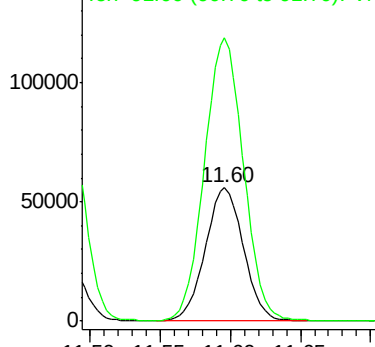
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 18.421 ug/l

RT: 11.92 min Scan# 3157

Delta R.T. 0.00 min

Lab File: VN062938.D

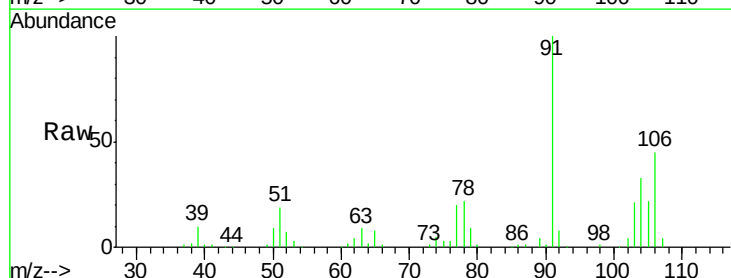
Acq: 14 Aug 2020 14:02

Tgt Ion:106 Resp: 50684

Ion Ratio Lower Upper

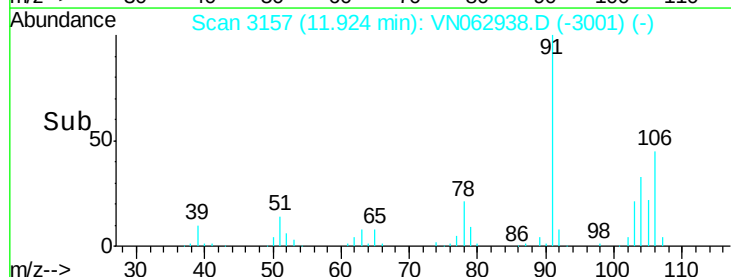
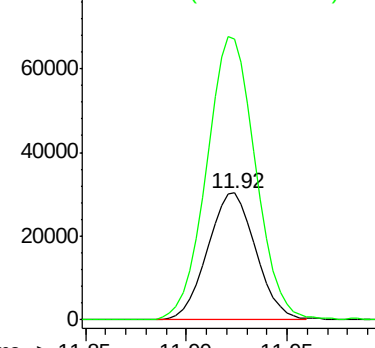
106 100

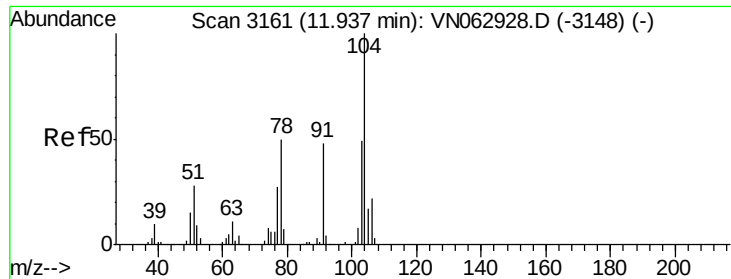
91 226.1 115.4 346.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





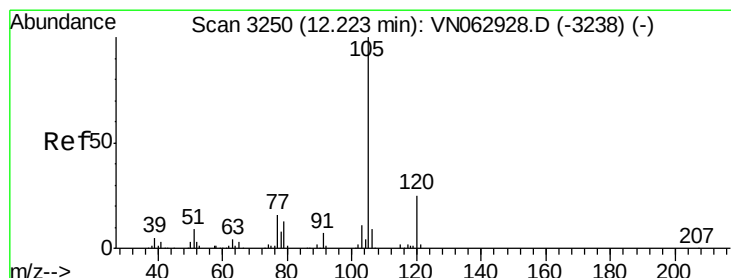
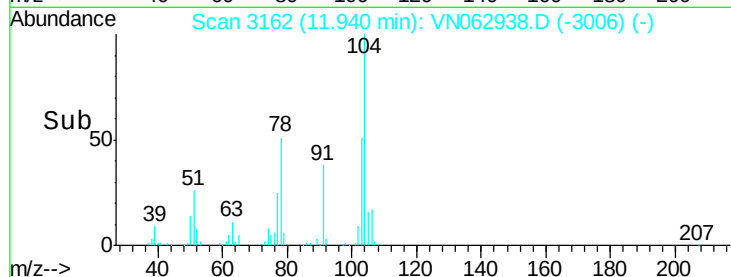
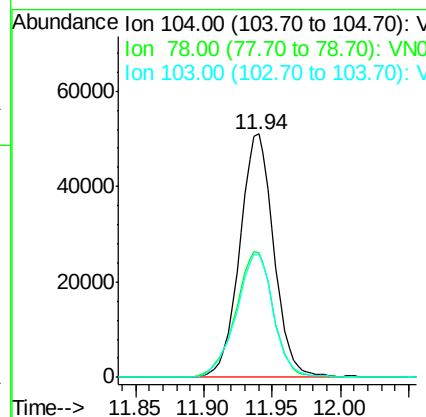
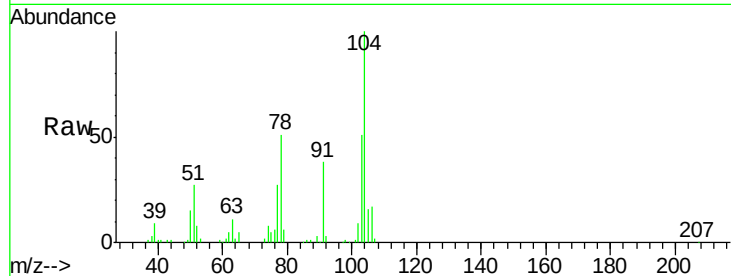
#69
Stvrene
Concen: 18.100 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN062938.D
Acq: 14 Aug 2020 14:02

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBS01

Tot Ion	Ratio	Resp	Lower	Upper
104	100	88425		
78	56.7		44.4	66.6
103	54.9		44.0	66.0

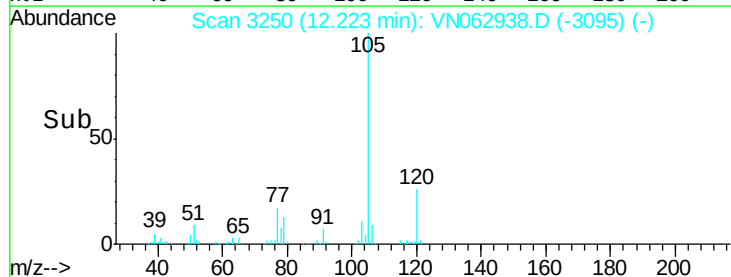
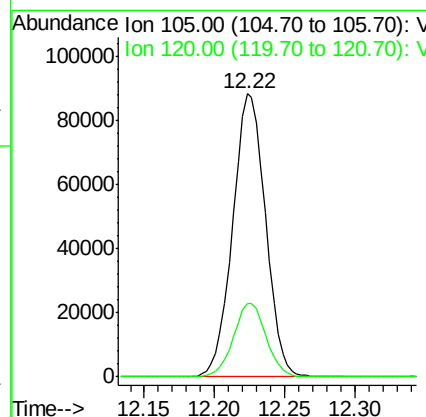
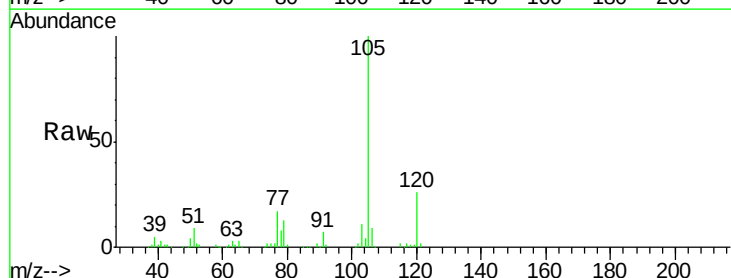
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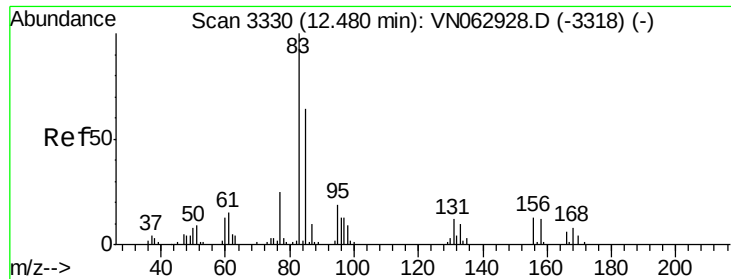
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#70
Isopropylbenzene
Concen: 18.386 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VN062938.D
Acq: 14 Aug 2020 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	143967		
120	25.8		18.0	33.4





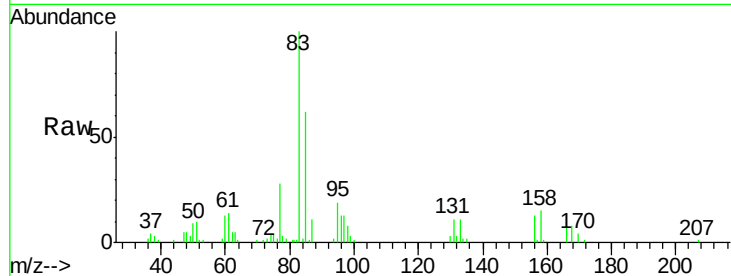
#71
 1,1,2,2-Tetrachloroethane
 Concen: 18.527 ug/l
 RT: 12.48 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VN062938.D
 Acq: 14 Aug 2020 14:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBS01

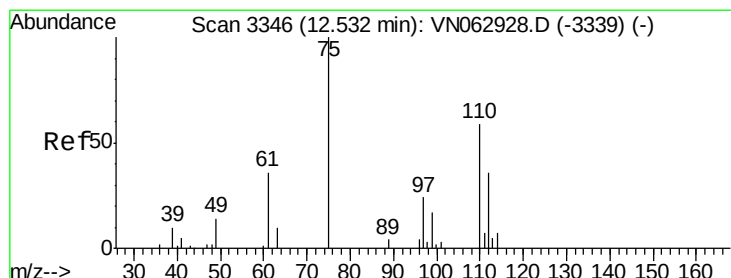
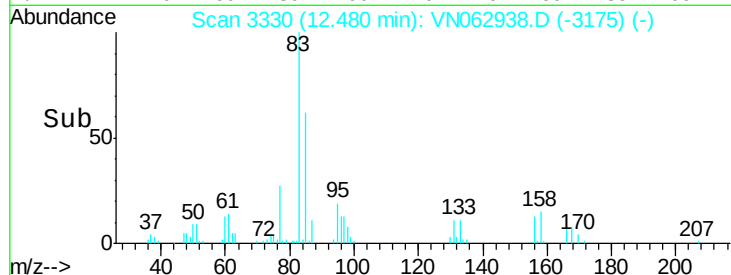
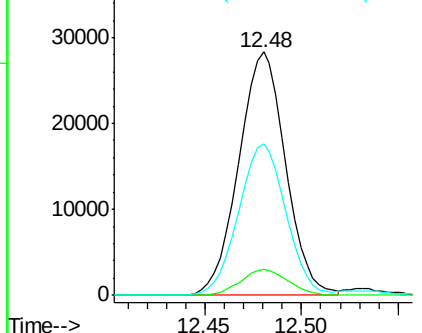
Tot Ion	83	Resp	47751
Ion Ratio	100	Lower	Upper
83	100		
131	10.8	5.5	16.4
85	62.7	31.7	95.1

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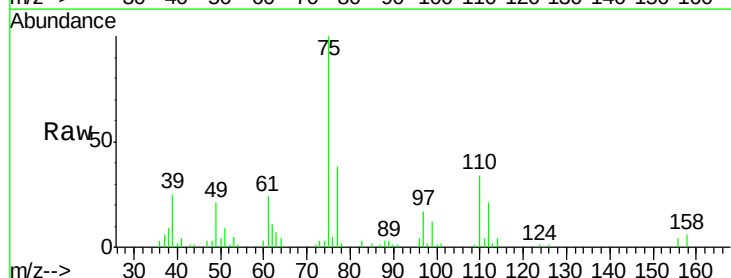


Abundance Ion 83.00 (82.70 to 83.70): VN0
 Ion 131.00 (130.70 to 131.70): V
 Ion 85.00 (84.70 to 85.70): VN0

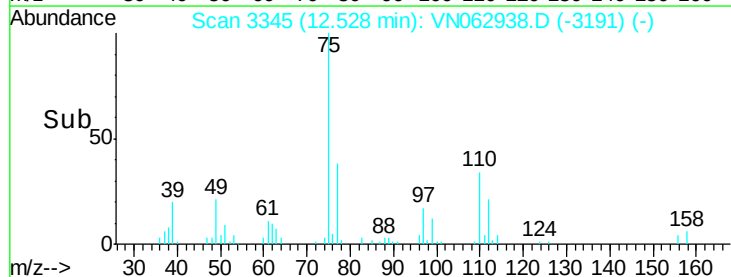
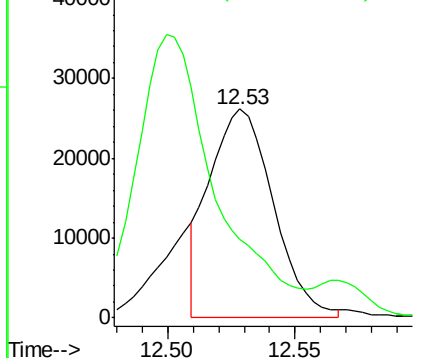


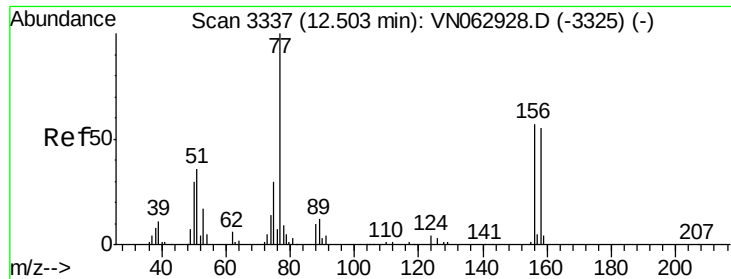
#72
 1,2,3-Trichloropropane
 Concen: 17.885 ug/l m
 RT: 12.53 min Scan# 3345
 Delta R.T. -0.00 min
 Lab File: VN062938.D
 Acq: 14 Aug 2020 14:02

Tgt Ion	75	Resp	45650
Ion Ratio	100	Lower	Upper
75	100		
77	169.9	0.0	313.0



Abundance Ion 75.00 (74.70 to 75.70): VN0
 Ion 77.00 (76.70 to 77.70): VN0





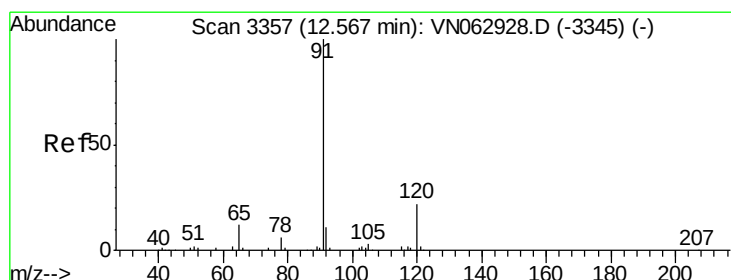
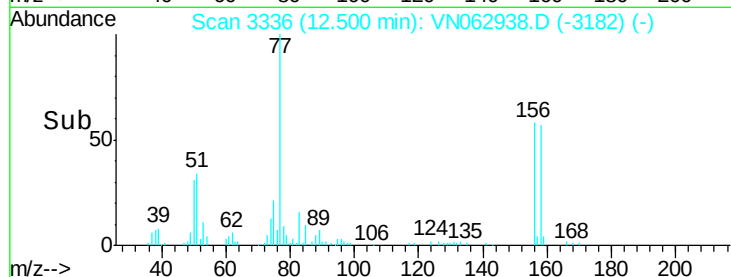
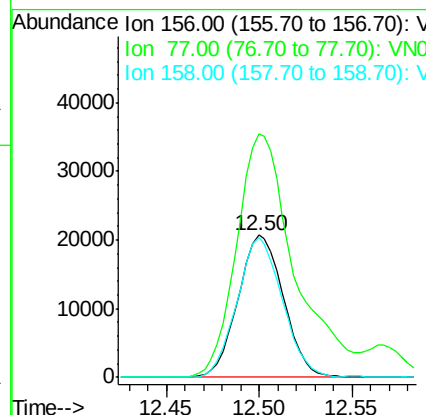
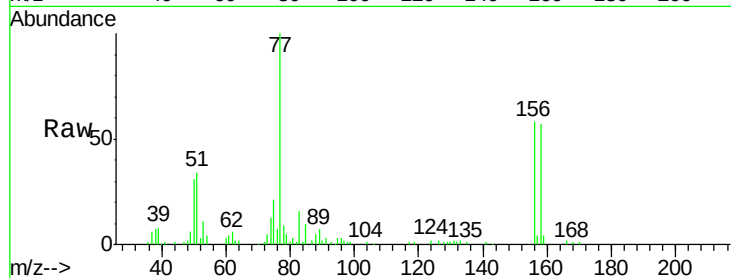
#73
Bromobenzene
Concen: 18.438 ug/l
RT: 12.50 min Scan# 3336
Delta R.T. -0.00 min
Lab File: VN062938.D
Acq: 14 Aug 2020 14:02

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	219.1	0.0	448.4
158	97.9	0.0	195.0

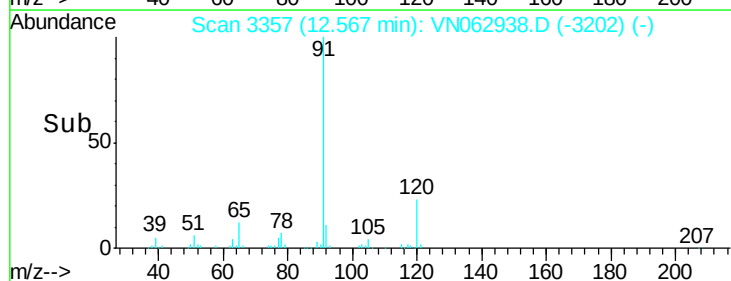
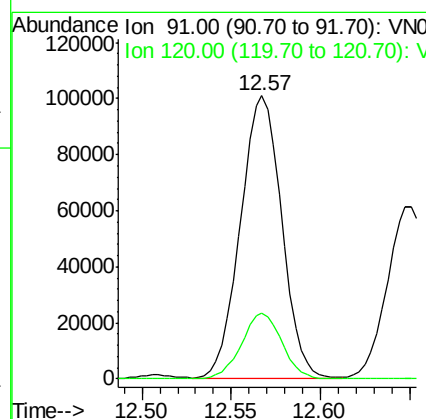
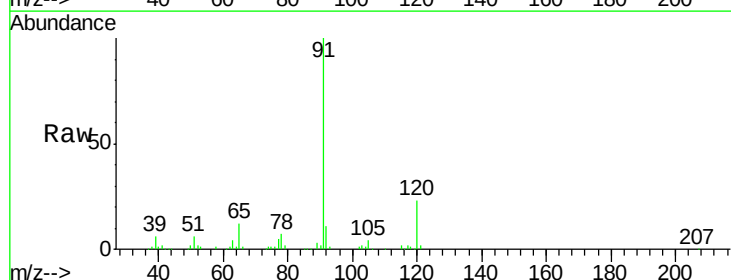
Manual Integrations
APPROVED

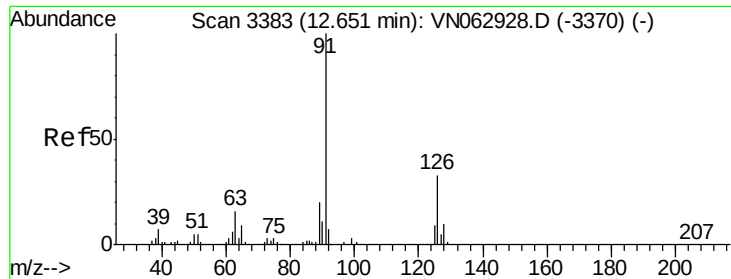
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#74
n-propylbenzene
Concen: 18.092 ug/l
RT: 12.57 min Scan# 3357
Delta R.T. -0.00 min
Lab File: VN062938.D
Acq: 14 Aug 2020 14:02

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.6	0.0	43.4





#75

2-Chlorotoluene

Concen: 18.398 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN062938.D

Acq: 14 Aug 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBS01

Tot Ion: 91 Resp: 104365

Ion Ratio Lower Upper

91 100

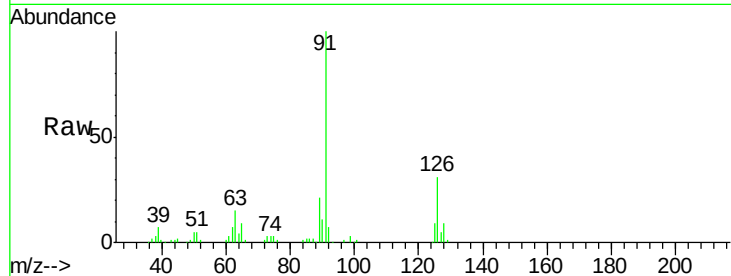
126 32.0 0.0 63.0

Manual Integrations

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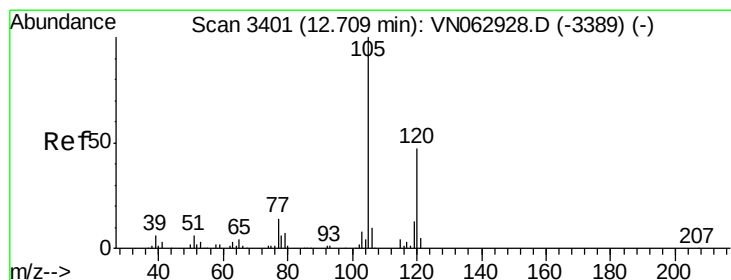
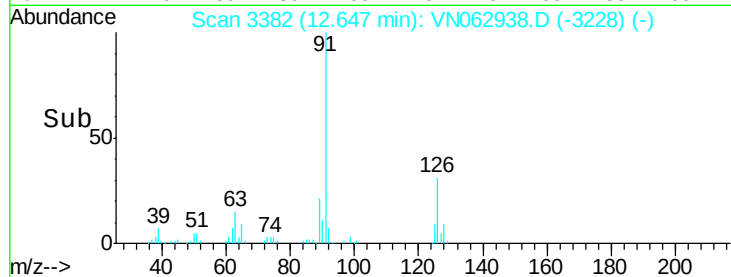
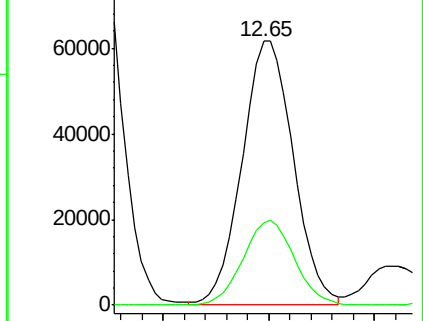
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VN062928.D (-3370) (-)

Ion 126.00 (125.70 to 126.70): VN062928.D (-3370) (-)



#76

1,3,5-Trimethylbenzene

Concen: 18.328 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN062938.D

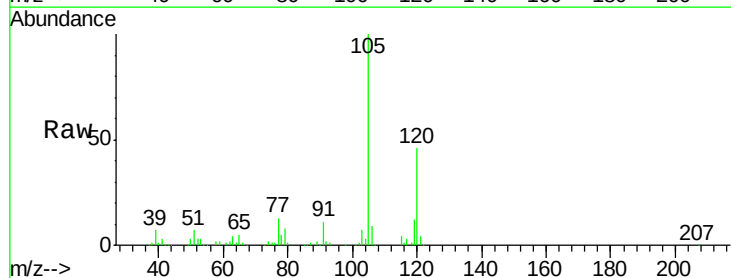
Acq: 14 Aug 2020 14:02

Tgt Ion: 105 Resp: 127601

Ion Ratio Lower Upper

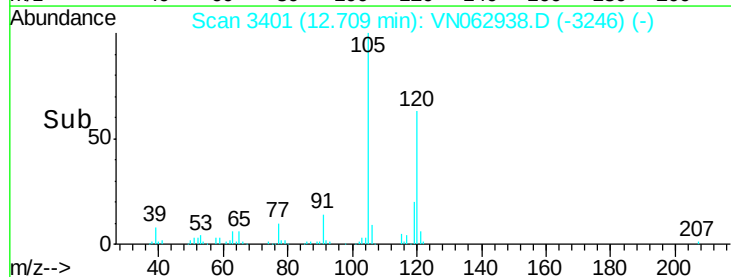
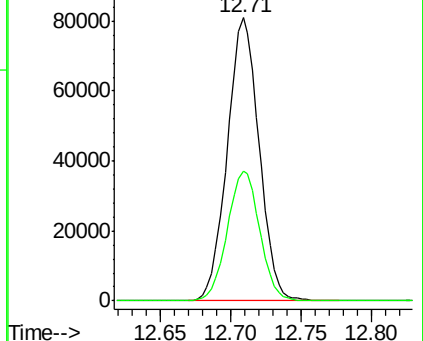
105 100

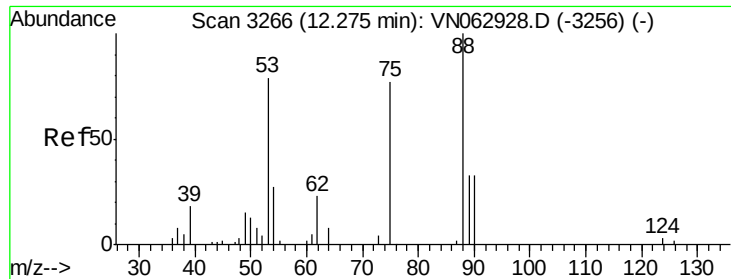
120 46.7 0.0 92.4



Abundance Ion 105.00 (104.70 to 105.70): VN062928.D (-3389) (-)

Ion 120.00 (119.70 to 120.70): VN062928.D (-3389) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 13.960 ug/l

RT: 12.28 min Scan# 3267

Delta R.T. 0.00 min

Lab File: VN062938.D

Acq: 14 Aug 2020 14:02

Instrument :

MSVOA_N

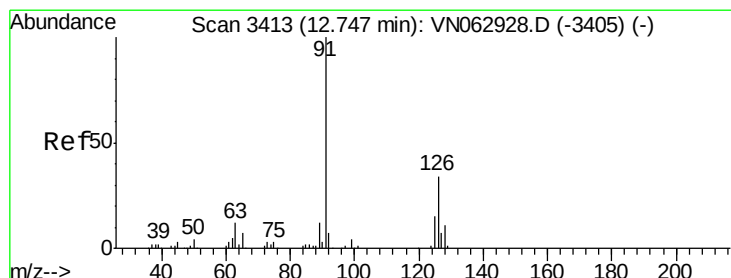
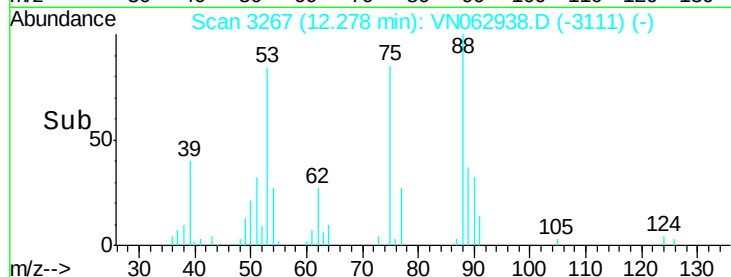
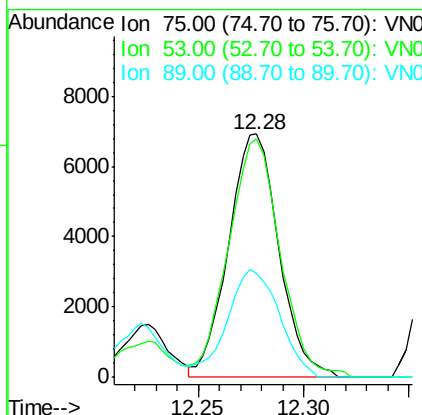
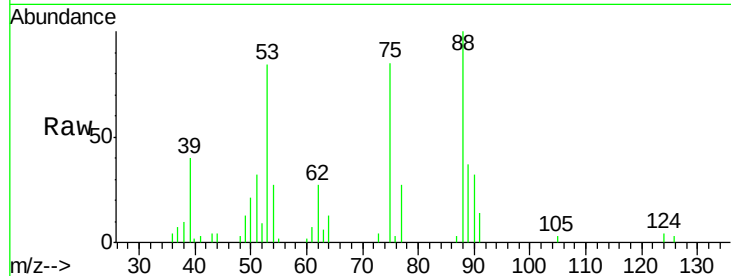
ClientSampleId :

VN0814WBS01

Tot Ion:	75	Resp:	11474
Ion	Ratio	Lower	Upper
75	100		
53	95.5	52.3	157.1
89	42.8	23.4	70.3

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#78

4-Chlorotoluene

Concen: 18.127 ug/l

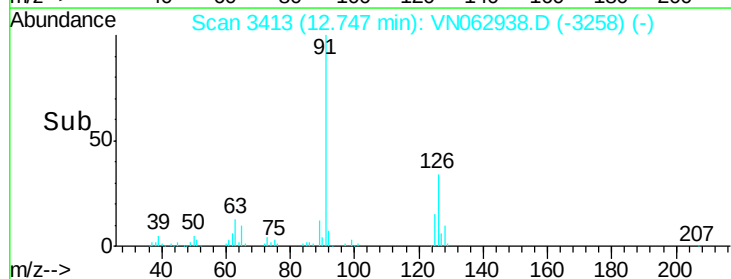
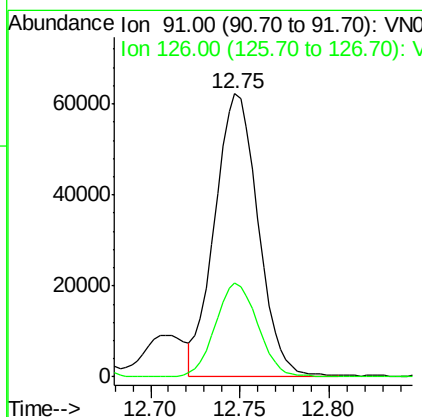
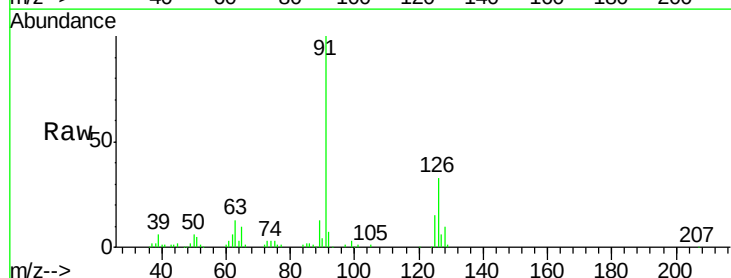
RT: 12.75 min Scan# 3413

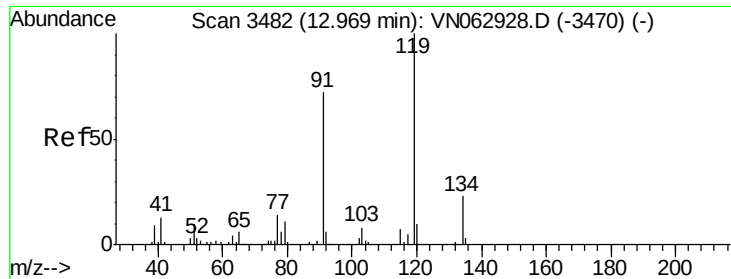
Delta R.T. -0.00 min

Lab File: VN062938.D

Acq: 14 Aug 2020 14:02

Tgt Ion:	91	Resp:	104587
Ion	Ratio	Lower	Upper
91	100		
126	32.6	0.0	63.0





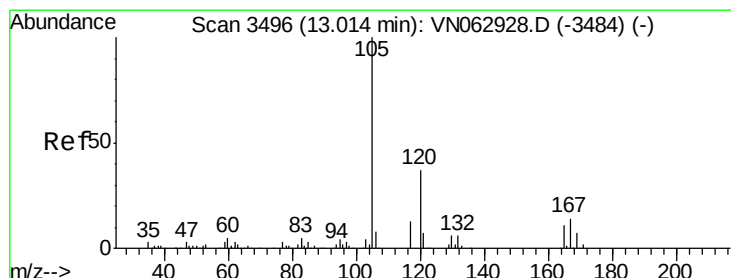
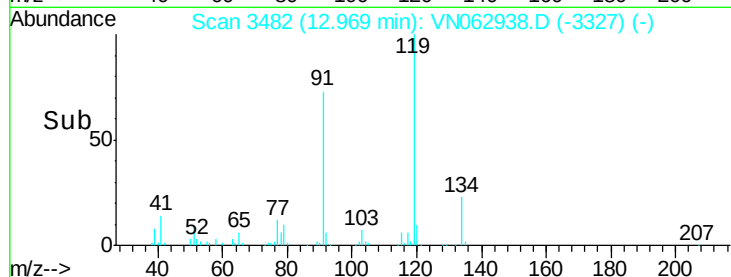
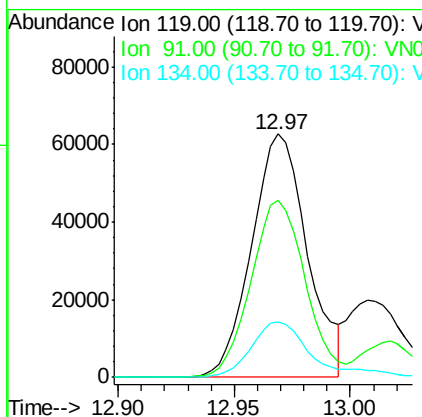
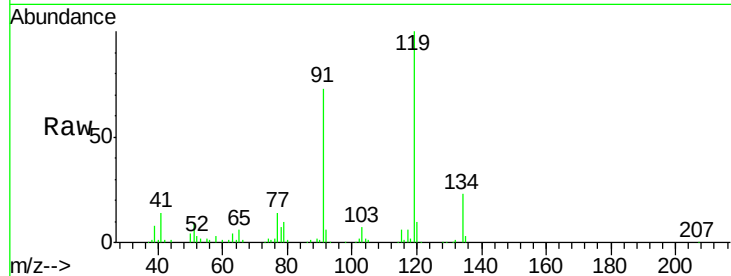
#79
tert-butylbenzene
Concen: 18.264 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN062938.D
Acq: 14 Aug 2020 14:02

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	105029		
91	70.9		0.0	145.0
134	22.6		0.0	44.6

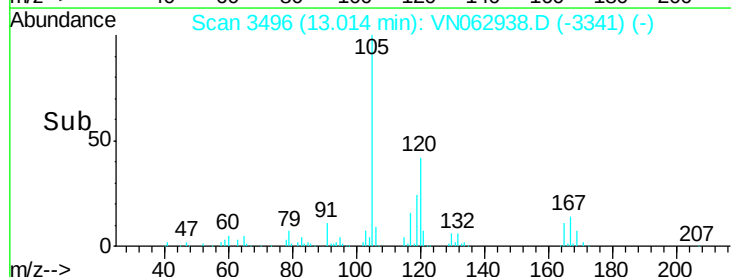
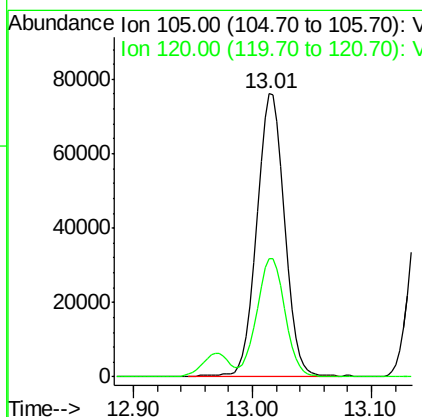
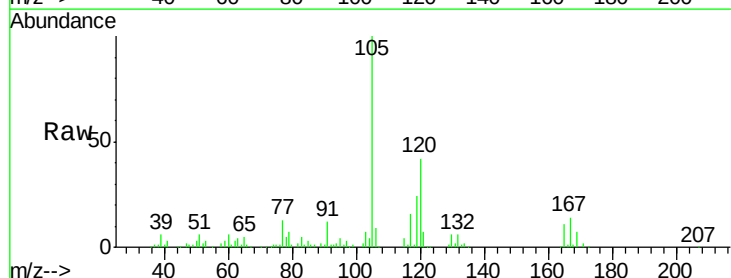
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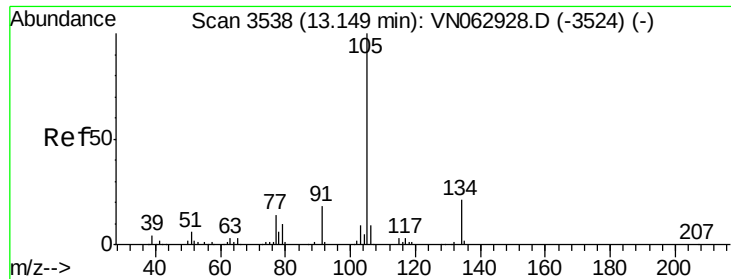
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#80
1,2,4-Trimethylbenzene
Concen: 18.156 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VN062938.D
Acq: 14 Aug 2020 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	123530		
120	42.1		0.0	86.6





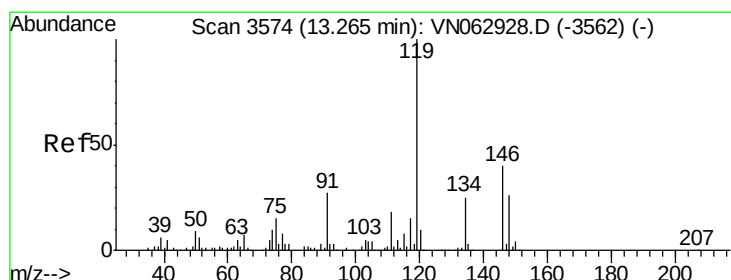
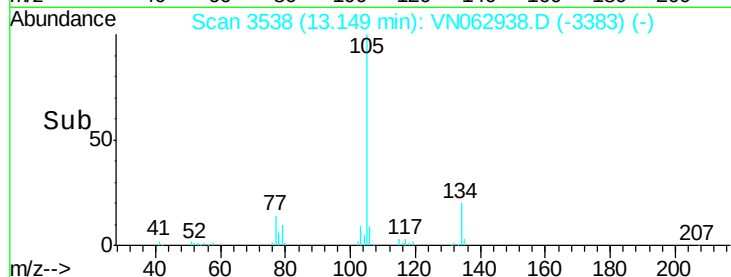
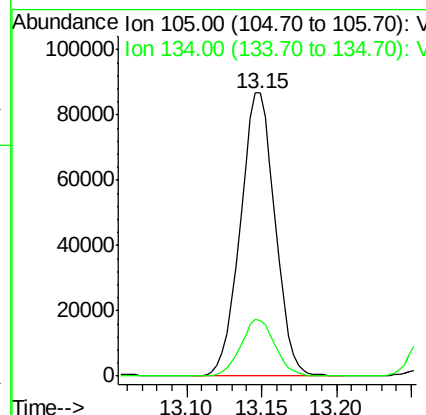
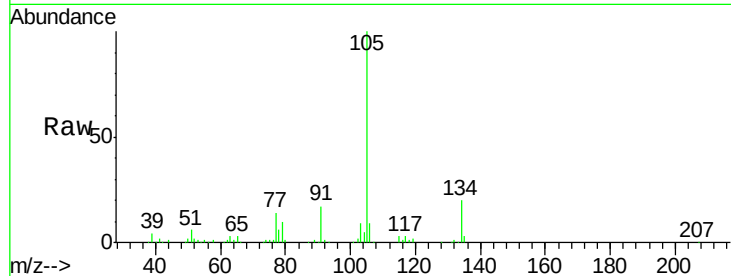
#81
 sec-Butylbenzene
 Concen: 18.456 ug/l
 RT: 13.15 min Scan# 3538
 Delta R.T. -0.00 min
 Lab File: VN062938.D
 Acq: 14 Aug 2020 14:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	140123		
134	19.7	0.0	39.4	

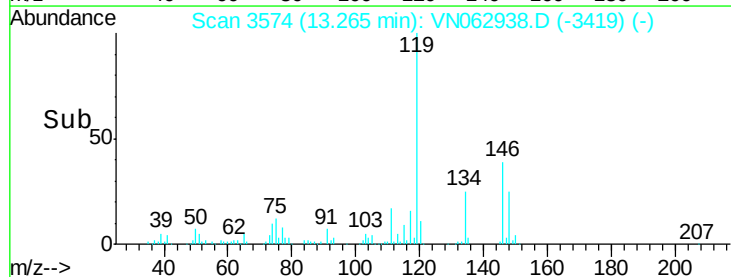
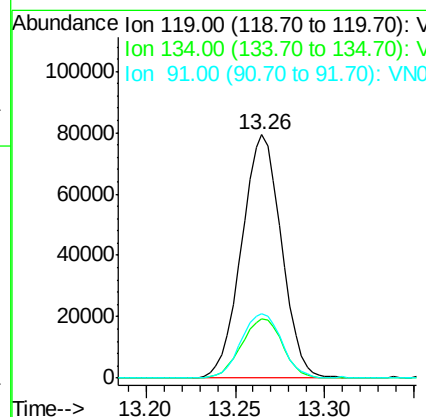
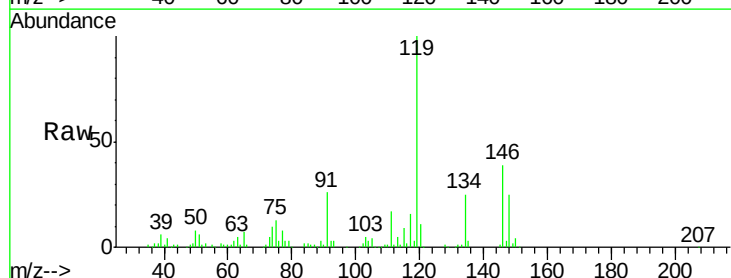
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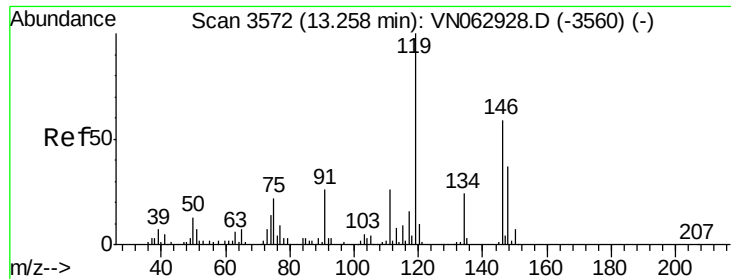
MMDadoda
 8/17/2020 5:45:06 PM



#82
 p-Isopropyltoluene
 Concen: 18.172 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. -0.00 min
 Lab File: VN062938.D
 Acq: 14 Aug 2020 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	123351		
134	25.2	0.0	49.6	
91	27.2	0.0	53.6	





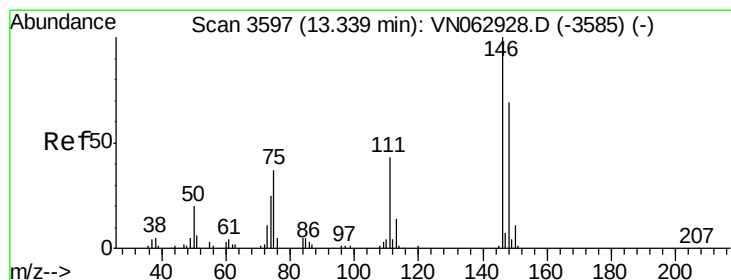
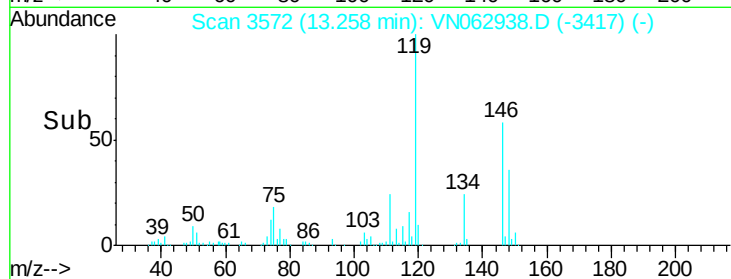
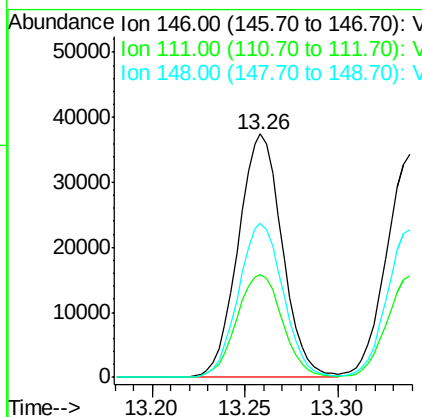
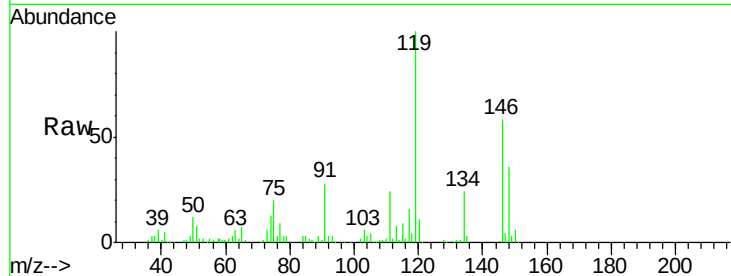
#83
 1,3-Dichlorobenzene
 Concen: 18.420 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN062938.D
 Acq: 14 Aug 2020 14:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.8	22.4	67.2
148	64.2	31.6	94.7

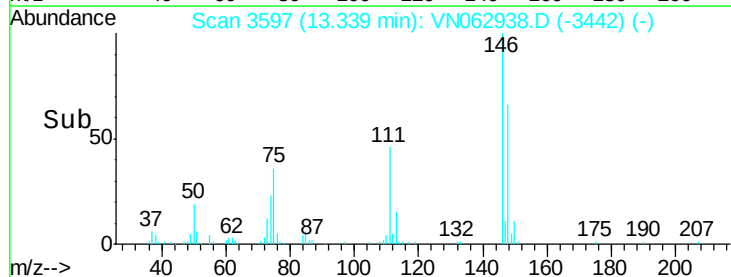
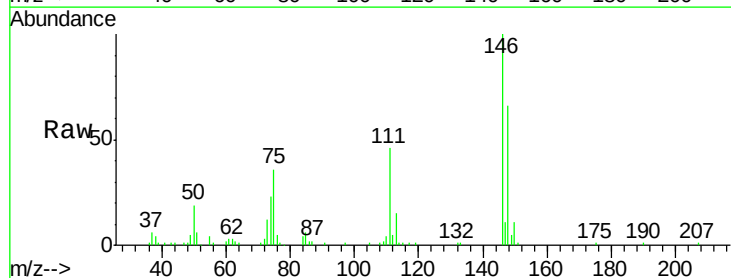
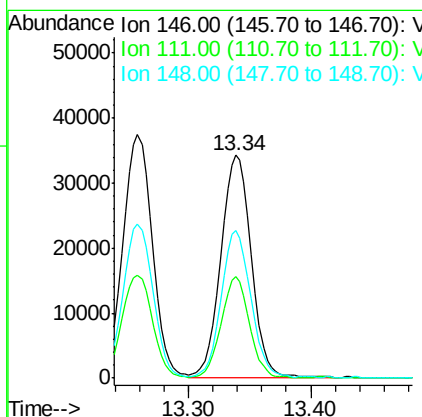
Manual Integrations
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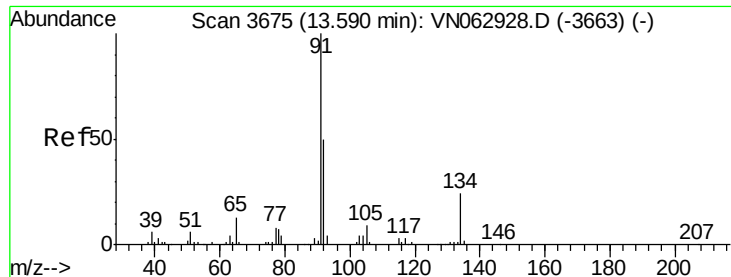
MMDadoda
 8/17/2020 5:45:06 PM



#84
 1,4-Dichlorobenzene
 Concen: 18.347 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN062938.D
 Acq: 14 Aug 2020 14:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	21.6	64.8
148	64.3	33.3	99.9





#85

n-Butylbenzene

Concen: 15.712 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. -0.00 min

Lab File: VN062938.D

Acq: 14 Aug 2020 14:02

Instrument :

MSVOA_N

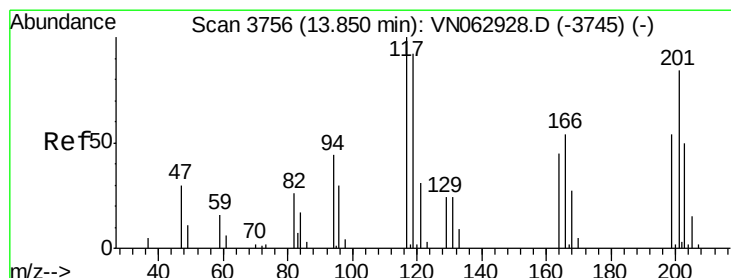
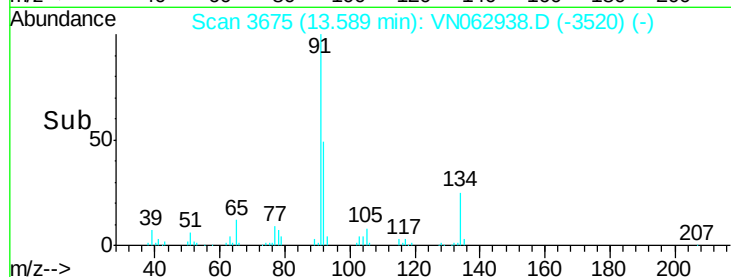
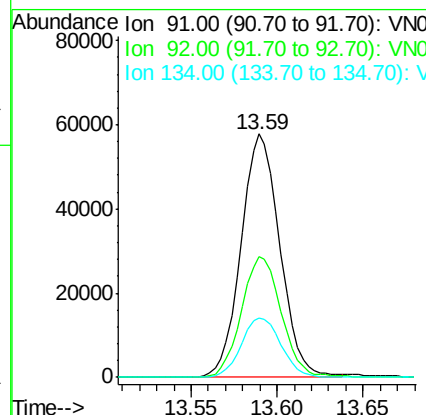
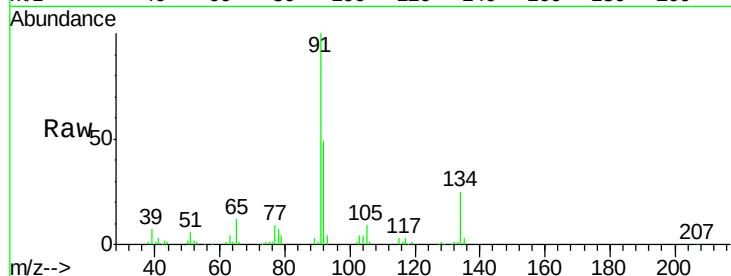
ClientSampleId :

VN0814WBS01

Tot Ion:	91	Resp:	90920
Ion	Ratio	Lower	Upper
91	100		
92	50.4	0.0	97.2
134	24.9	0.0	48.4

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#86

Hexachloroethane

Concen: 15.604 ug/l

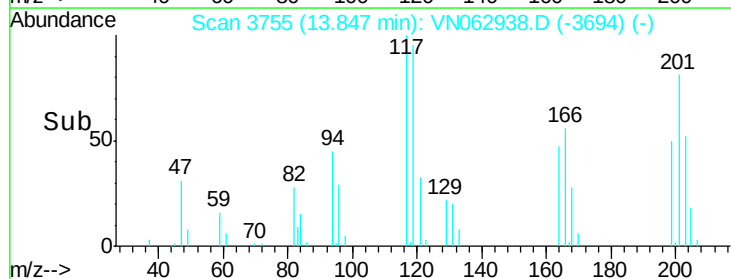
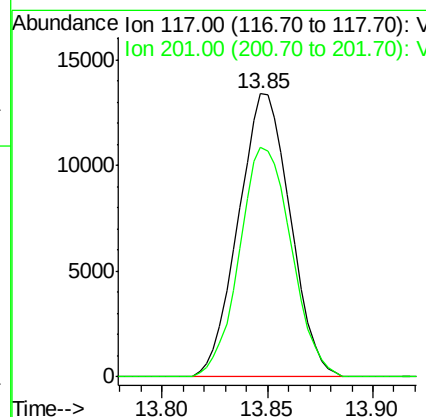
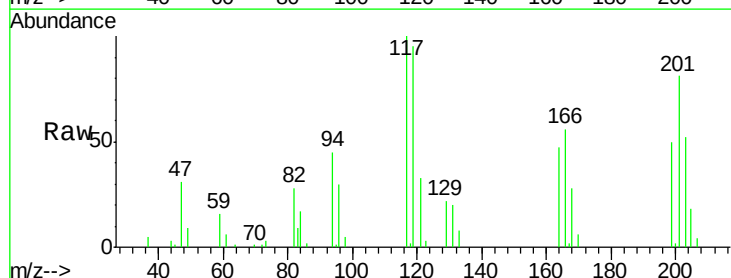
RT: 13.85 min Scan# 3755

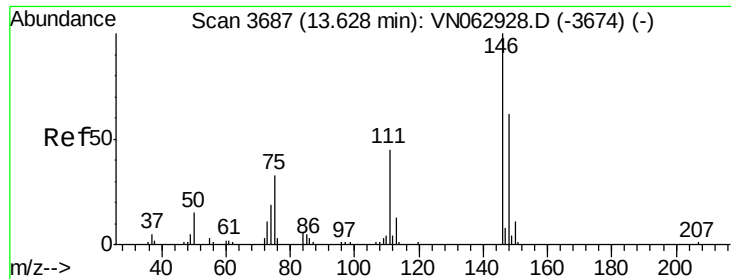
Delta R.T. -0.00 min

Lab File: VN062938.D

Acq: 14 Aug 2020 14:02

Tgt Ion:	117	Resp:	22947
Ion	Ratio	Lower	Upper
117	100		
201	81.1	40.9	122.7





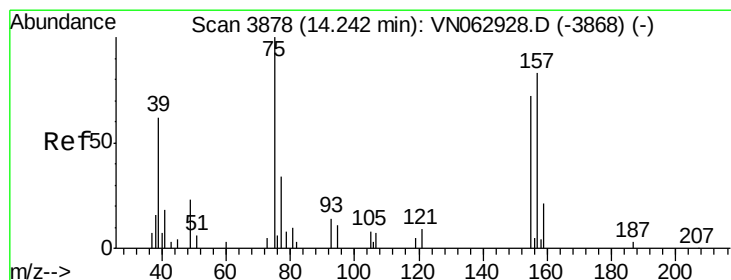
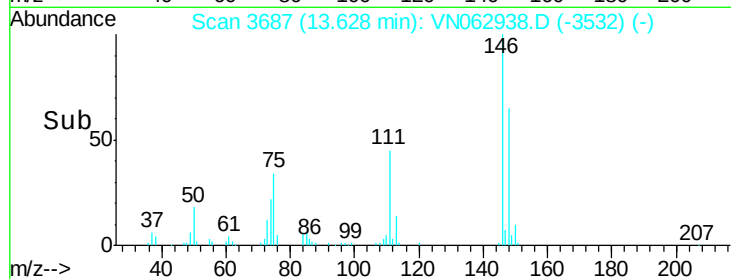
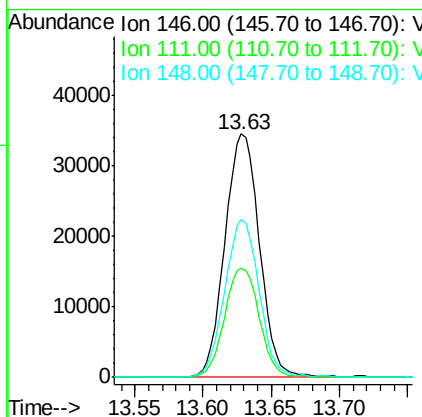
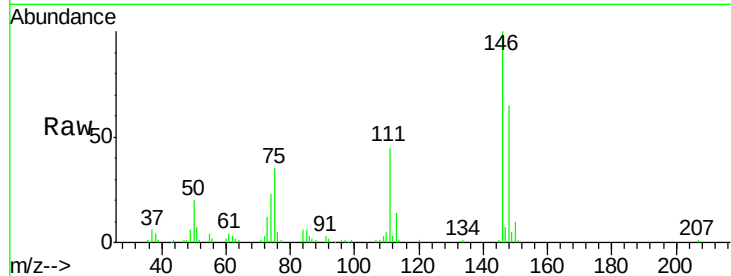
#87
 1,2-Dichlorobenzene
 Concen: 17.559 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN062938.D
 Acq: 14 Aug 2020 14:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.6	23.3	69.8
148	63.8	31.3	93.8

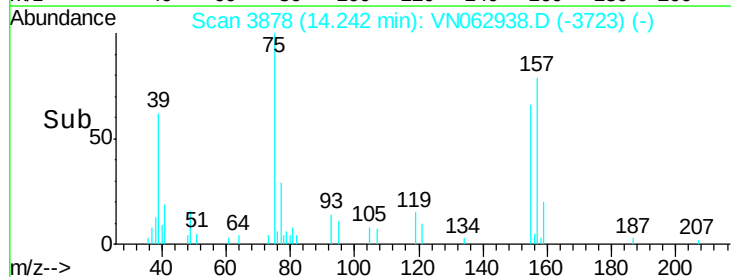
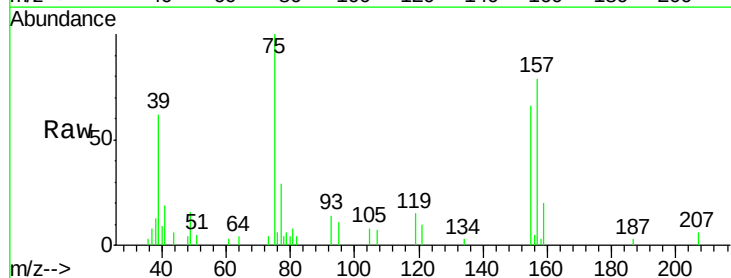
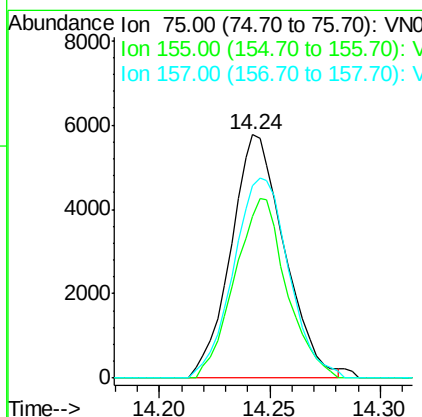
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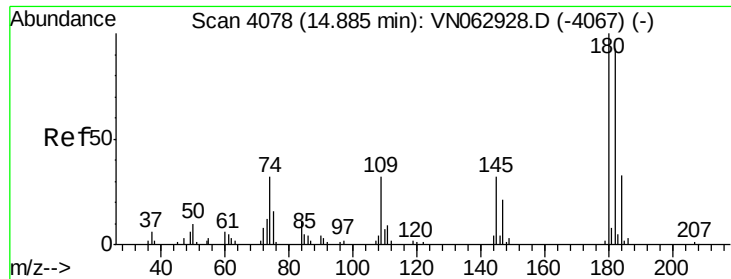
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 16.003 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN062938.D
 Acq: 14 Aug 2020 14:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.2	59.8	89.8
157	85.1	71.6	107.4





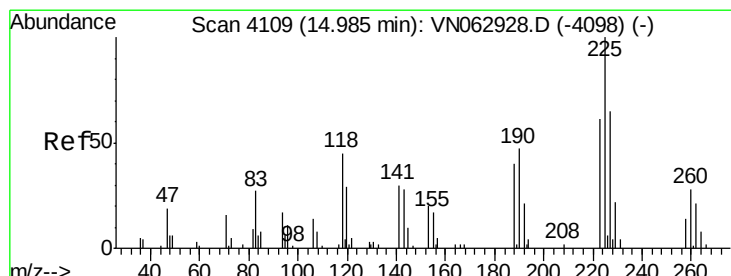
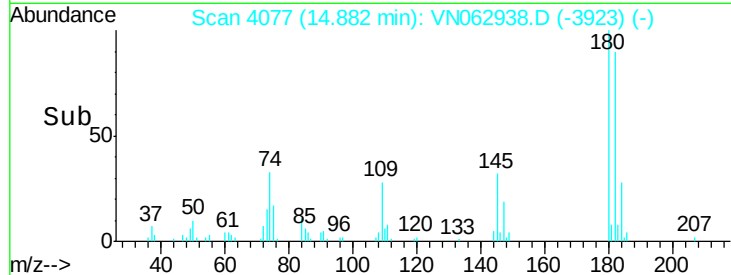
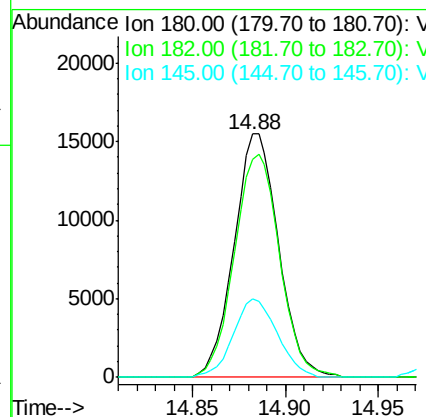
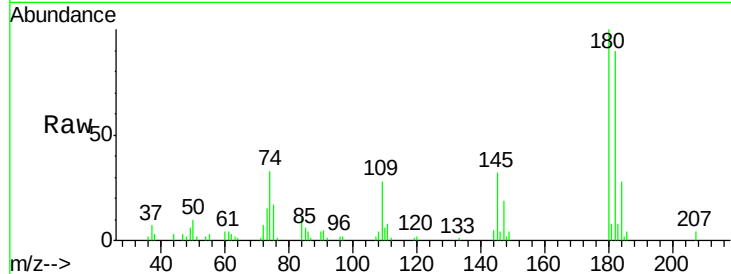
#89
 1,2,4-Trichlorobenzene
 Concen: 16.142 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN062938.D
 Acq: 14 Aug 2020 14:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	25818		
182	93.1	75.3	112.9	
145	31.8	25.4	38.2	

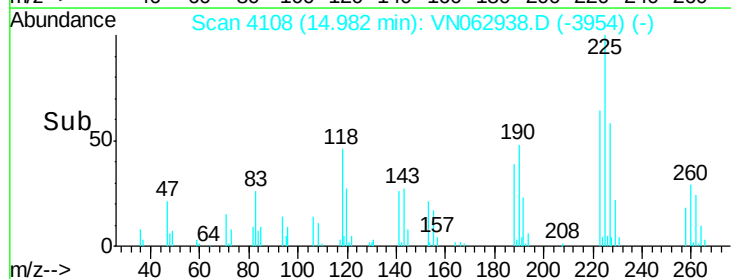
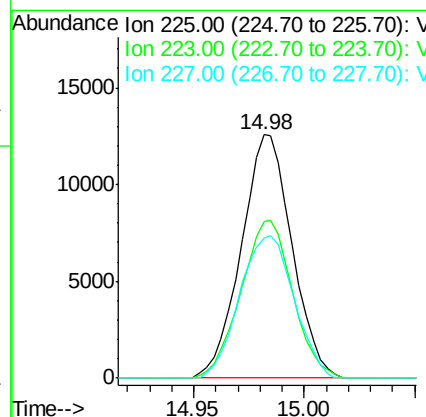
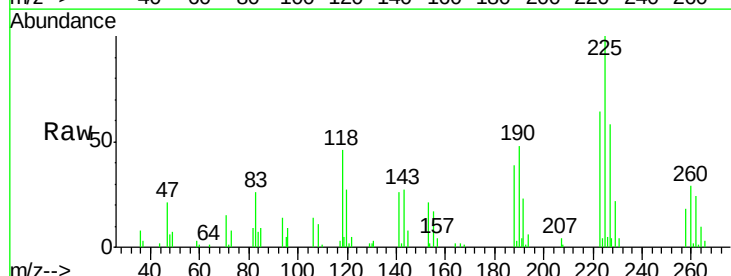
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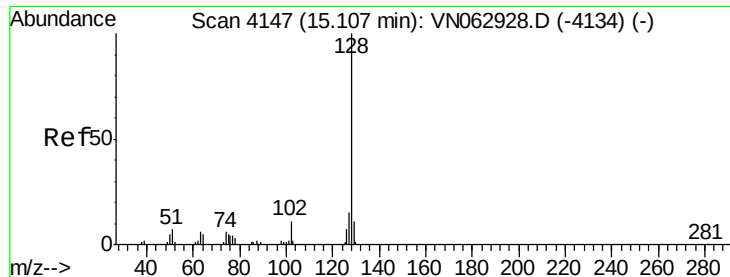
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 8/17/2020 5:45:06 PM



#90
 Hexachlorobutadiene
 Concen: 18.771 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN062938.D
 Acq: 14 Aug 2020 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	20058		
223	66.0	0.0	129.8	
227	62.7	0.0	133.6	





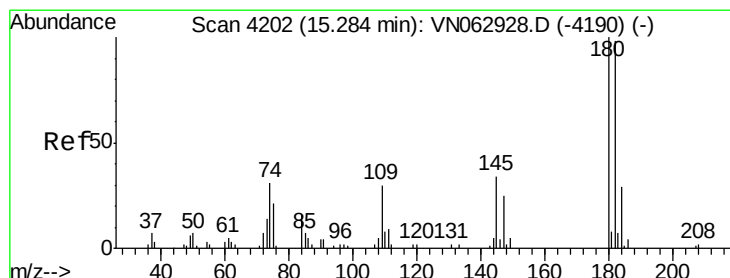
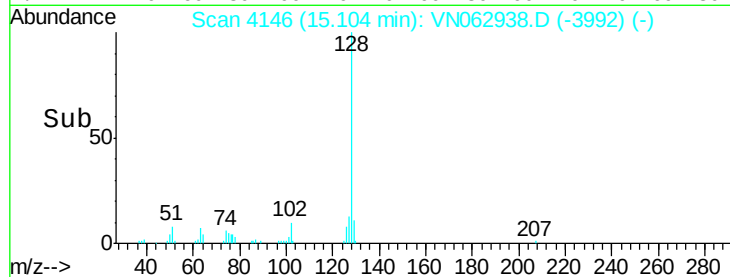
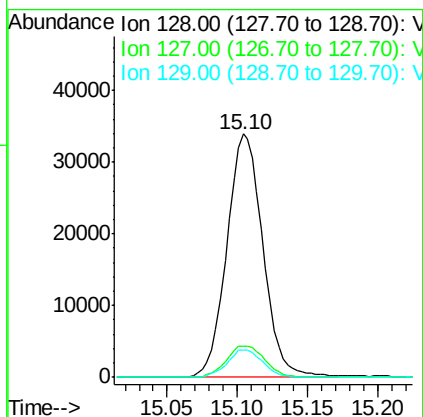
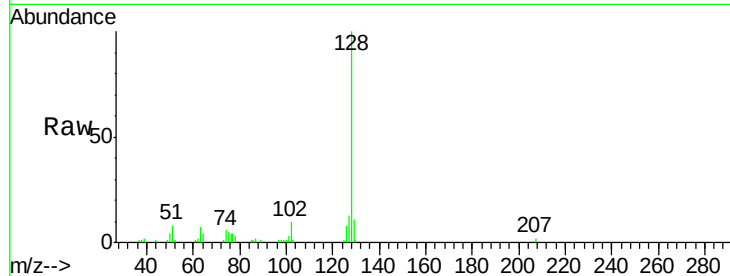
#91
Naphthalene
Concen: 14.013 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. -0.00 min
Lab File: VN062938.D
Acq: 14 Aug 2020 14:02

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBS01

Tot Ion:	128	Resp:	60670
Ion	Ratio	Lower	Upper
128	100		
127	13.7	11.6	17.4
129	11.2	8.4	12.6

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 16.050 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN062938.D
Acq: 14 Aug 2020 14:02

Tgt Ion:	180	Resp:	25706
Ion	Ratio	Lower	Upper
180	100		
182	97.9	0.0	196.4
145	33.7	0.0	71.4

