

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070820\
 Data File : VN062423.D
 Acq On : 8 Jul 2020 22:46
 Operator : JC/MD
 Sample : VN0708WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0708WBS02

Manual Integrations
 APPROVED

MMDadoda
 7/9/2020 10:58:42 AM

Quant Time: Jul 09 03:11:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 09 02:12:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	189834	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	333482	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	303011	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	131419	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	150305	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
35) Dibromofluoromethane	7.55	113	104670	50.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.56%	
50) Toluene-d8	10.06	98	413721	50.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.68%	
62) 4-Bromofluorobenzene	12.38	95	147639	49.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.30%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	38375	19.846	ug/l	97
3) Chloromethane	2.04	50	60221	19.410	ug/l	96
4) Vinyl Chloride	2.16	62	50926	20.034	ug/l	99
5) Bromomethane	2.53	94	27686	20.280	ug/l	97
6) Chloroethane	2.67	64	30330	20.486	ug/l	99
7) Trichlorofluoromethane	2.99	101	66123	20.482	ug/l	99
8) Diethyl Ether	3.37	74	28231	19.556	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.72	101	38784	20.266	ug/l	99
10) Methyl Iodide	3.91	142	48469	19.181	ug/l	98
11) Tert butyl alcohol	4.73	59	46762	96.544	ug/l	97
12) 1,1-Dichloroethene	3.70	96	38382	19.699	ug/l	96
13) Acrolein	3.57	56	27794	79.546	ug/l	99
14) Allyl chloride	4.28	41	88556	19.325	ug/l	99
15) Acrylonitrile	4.93	53	128374	101.057	ug/l	99
16) Acetone	3.78	43	109019	87.943	ug/l	97
17) Carbon Disulfide	4.01	76	116873	19.142	ug/l	100
18) Methyl Acetate	4.28	43	59424	19.208	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	145909	19.751	ug/l	99
20) Methylene Chloride	4.50	84	50349	18.996	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	42050	19.921	ug/l	98
22) Diisopropyl ether	5.90	45	185893	20.532	ug/l	98
23) Vinyl Acetate	5.84	43	752351	100.315	ug/l	98
24) 1,1-Dichloroethane	5.80	63	94353	20.168	ug/l	99
25) 2-Butanone	6.79	43	176110	97.275	ug/l	99
26) 2,2-Dichloropropane	6.78	77	64652	18.023	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	49867	20.396	ug/l	98
28) Bromochloromethane	7.15	49	48199	18.963	ug/l	99
29) Tetrahydrofuran	7.17	42	118611	97.311	ug/l	99
30) Chloroform	7.33	83	86590	20.499	ug/l	99
31) Cyclohexane	7.62	56	87340	19.693	ug/l	93
32) 1,1,1-Trichloroethane	7.53	97	70558	20.081	ug/l	98
36) 1,1-Dichloropropene	7.75	75	64819	19.293	ug/l	98
37) Ethyl Acetate	6.88	43	76091	19.368	ug/l	99
38) Carbon Tetrachloride	7.73	117	60513	20.034	ug/l	98

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MMDadoda
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	70148	19.557	ug/l	99
40) Benzene	8.00	78	199203	20.117	ug/l	100
41) Methacrylonitrile	7.13	41	30947m	18.854	ug/l	
42) 1,2-Dichloroethane	8.09	62	72440	19.979	ug/l	99
43) Isopropyl Acetate	8.13	43	120047	19.343	ug/l #	93
44) Trichloroethene	8.80	130	44830	20.405	ug/l	97
45) 1,2-Dichloropropane	9.08	63	57332	19.945	ug/l	100
46) Dibromomethane	9.18	93	32209	19.856	ug/l	99
47) Bromodichloromethane	9.37	83	68580	19.774	ug/l	99
48) Methyl methacrylate	9.17	41	57305	18.824	ug/l	98
49) 1,4-Dioxane	9.17	88	16952	382.574	ug/l	93
51) 4-Methyl-2-Pentanone	9.95	43	366940	98.991	ug/l	100
52) Toluene	10.12	92	115554	20.203	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	75352	19.393	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	82793	19.312	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	45287	20.132	ug/l	98
56) Ethyl methacrylate	10.40	69	74111	19.001	ug/l	98
57) 1,3-Dichloropropane	10.68	76	84711	20.383	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	122082	91.478	ug/l	100
59) 2-Hexanone	10.72	43	261253	97.082	ug/l	100
60) Dibromochloromethane	10.88	129	48502	19.885	ug/l	99
61) 1,2-Dibromoethane	10.98	107	45888	20.208	ug/l	97
64) Tetrachloroethene	10.61	164	36008	20.026	ug/l	98
65) Chlorobenzene	11.41	112	119178	20.237	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	43841	20.187	ug/l	99
67) Ethyl Benzene	11.48	91	220494	19.946	ug/l	99
68) m/p-Xylenes	11.60	106	157569	40.265	ug/l	100
69) o-Xylene	11.92	106	76868	20.174	ug/l	97
70) Styrene	11.94	104	128500	20.406	ug/l	99
71) Bromoform	12.10	173	32331	20.308	ug/l #	99
73) Isopropylbenzene	12.22	105	207387	20.393	ug/l	100
74) N-amyl acetate	12.05	43	98454	19.891	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	68540	20.045	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	61238m	18.991	ug/l	
77) Bromobenzene	12.50	156	47374	20.491	ug/l	95
78) n-propylbenzene	12.57	91	239121	20.130	ug/l	100
79) 2-Chlorotoluene	12.65	91	144841	20.090	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	170125	20.407	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.28	75	21636	17.959	ug/l	95
82) 4-Chlorotoluene	12.75	91	148703	20.316	ug/l	100
83) tert-Butylbenzene	12.97	119	142676	20.167	ug/l	98
84) 1,2,4-Trimethylbenzene	13.02	105	168213	20.300	ug/l	100
85) sec-Butylbenzene	13.15	105	189563	20.220	ug/l	100
86) p-Isopropyltoluene	13.26	119	165168	20.413	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	79807	20.010	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	80120	19.523	ug/l	97
89) n-Butylbenzene	13.59	91	134844	18.874	ug/l	99
90) Hexachloroethane	13.85	117	31856	20.014	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	79583	20.637	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.25	75	12580	20.160	ug/l	98

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ClientSampleId :
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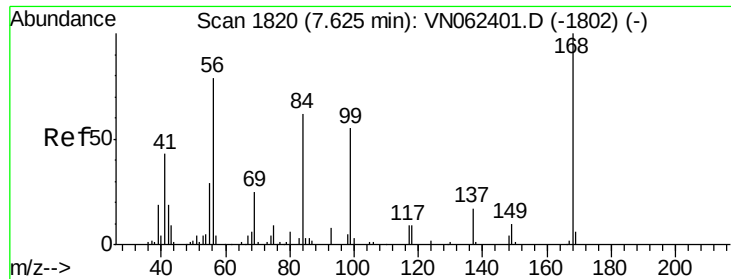
Manual Integrations
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MMDadoda
7/9/2020 10:58:42 AM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 09 02:12:34 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	33922	19.671	ug/l	99
94) Hexachlorobutadiene	14.98	225	20352	19.877	ug/l	98
95) Naphthalene	15.11	128	93252	19.985	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	35029	19.003	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VN062423.D

Acq: 8 Jul 2020 22:46

Instrument :

MSVOA_N

ClientSampleId :

VN0708WBS02

Tot Ion:168 Resp: 189834

Ion Ratio Lower Upper

168 100

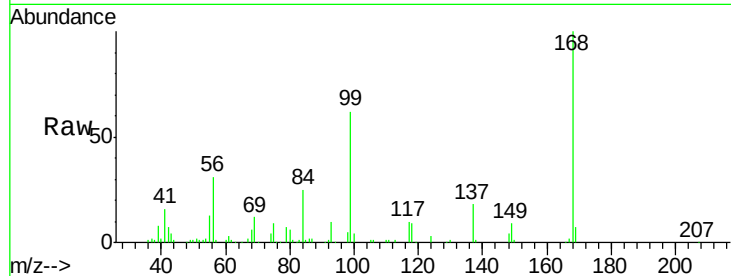
99 61.9 48.8 73.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

80000

60000

40000

20000

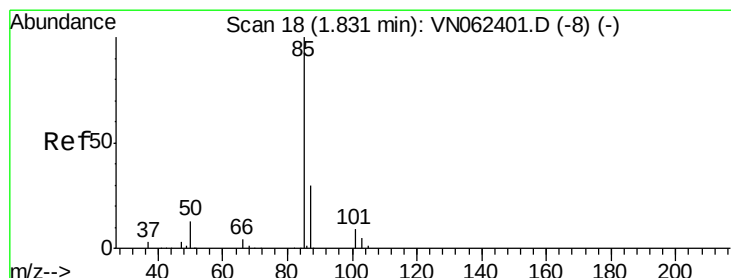
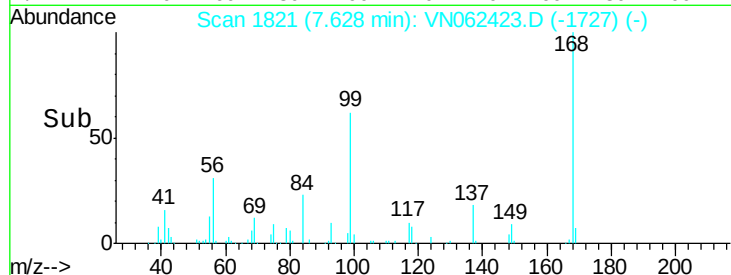
0

7.50

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 19.846 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062423.D

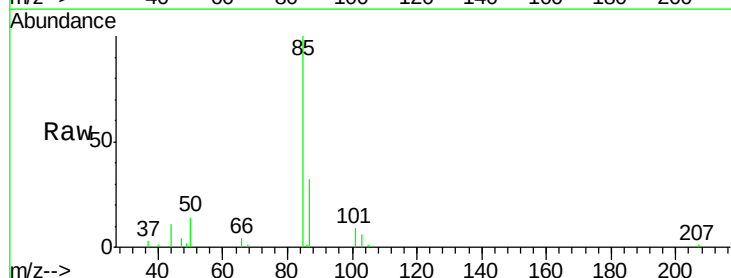
Acq: 8 Jul 2020 22:46

Tgt Ion: 85 Resp: 38375

Ion Ratio Lower Upper

85 100

87 32.0 15.2 45.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

30000

25000

20000

15000

10000

5000

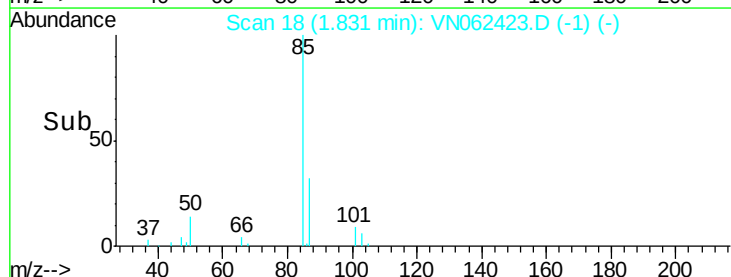
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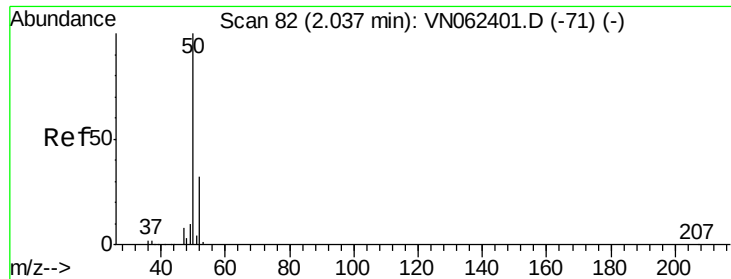
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 19.410 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN062423.D

Acq: 8 Jul 2020 22:46

Instrument :

MSVOA_N

ClientSampled :

VN0708WBS02

Tot Ion: 50 Resp: 60221

Ion Ratio Lower Upper

50 100

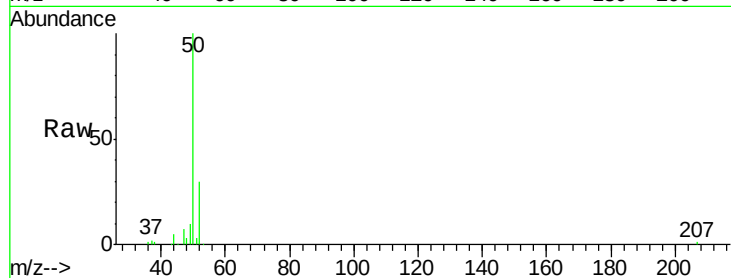
52 29.7 25.5 38.3

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

50000

40000

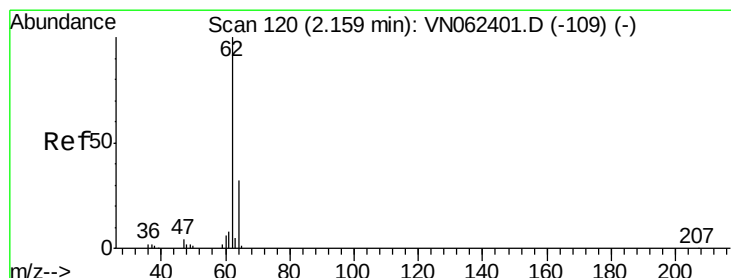
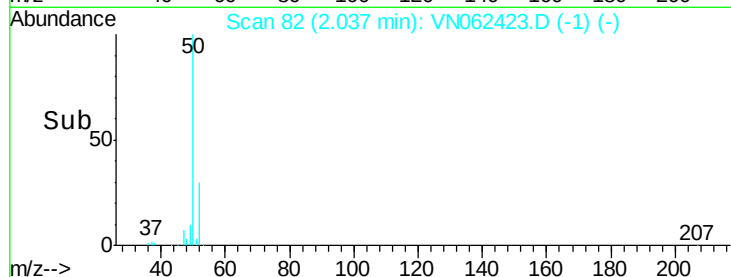
30000

20000

10000

0

Time--> 1.95 2.00 2.05 2.10



#4

Vinyl Chloride

Concen: 20.034 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN062423.D

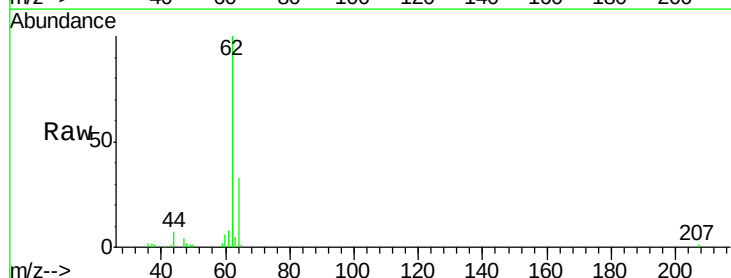
Acq: 8 Jul 2020 22:46

Tgt Ion: 62 Resp: 50926

Ion Ratio Lower Upper

62 100

64 32.6 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

40000

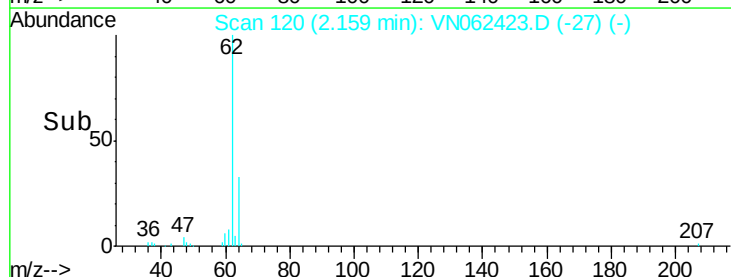
30000

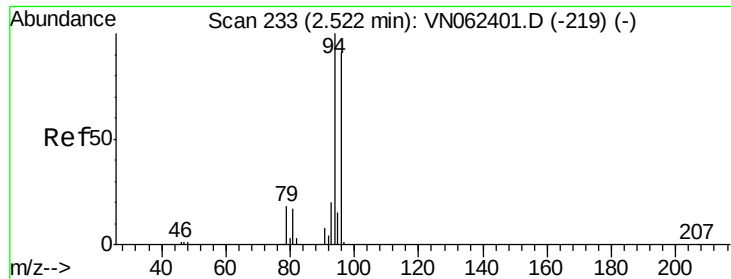
20000

10000

0

Time--> 2.10 2.15 2.20





#5

Bromomethane

Concen: 20.280 ug/l

RT: 2.53 min Scan# 236

Delta R.T. 0.01 min

Lab File: VN062423.D

Acq: 8 Jul 2020 22:46

Instrument :

MSVOA_N

ClientSampled :

VN0708WBS02

Tot Ion: 94 Resp: 27686

Ion Ratio Lower Upper

94 100

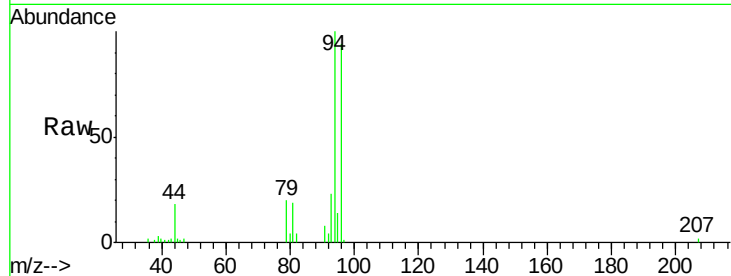
96 94.2 73.2 109.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.53

15000

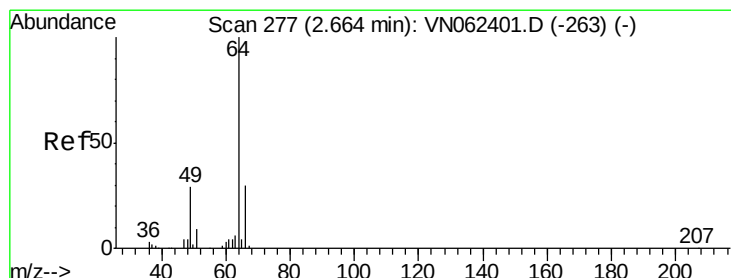
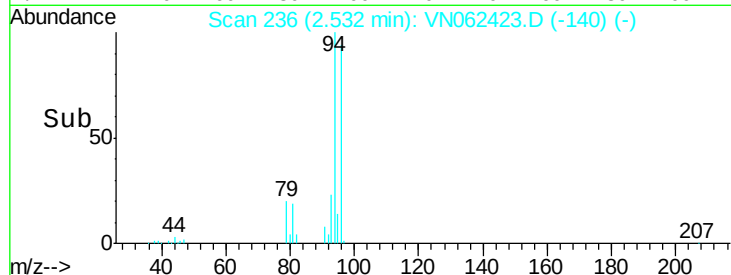
10000

5000

0

Time-->

2.45 2.50 2.55 2.60



#6

Chloroethane

Concen: 20.486 ug/l

RT: 2.67 min Scan# 279

Delta R.T. 0.01 min

Lab File: VN062423.D

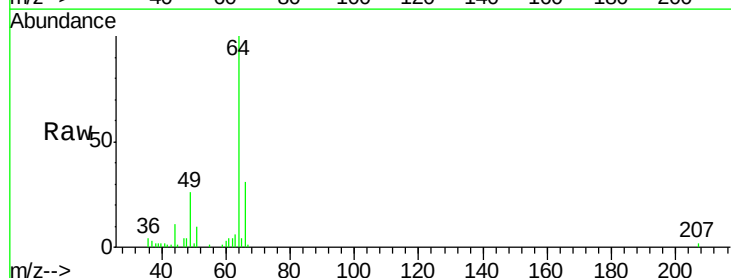
Acq: 8 Jul 2020 22:46

Tgt Ion: 64 Resp: 30330

Ion Ratio Lower Upper

64 100

66 30.9 24.2 36.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.67

15000

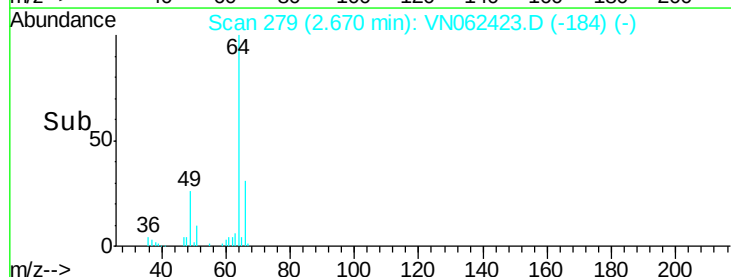
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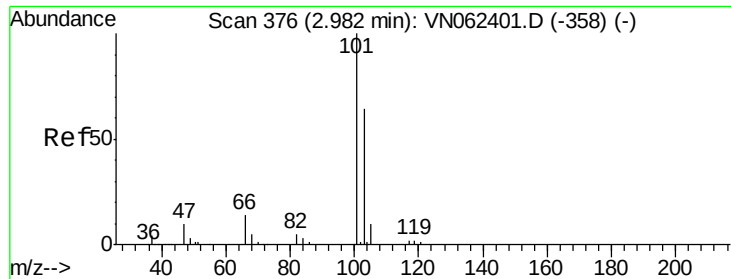
5000

0

Time-->

2.60 2.65 2.70 2.75





#7

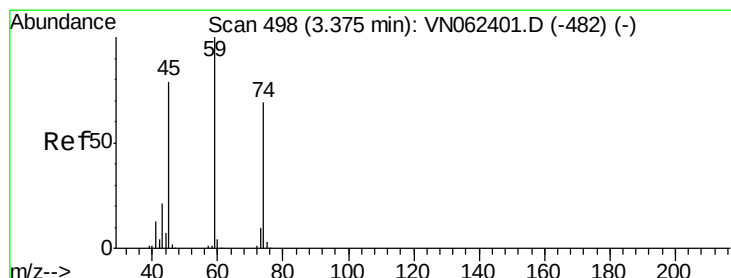
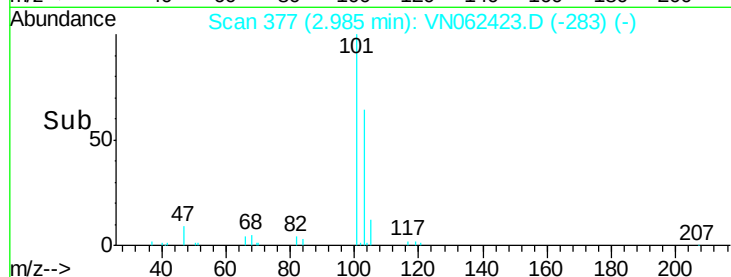
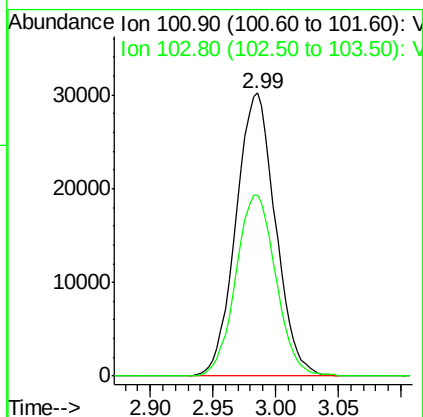
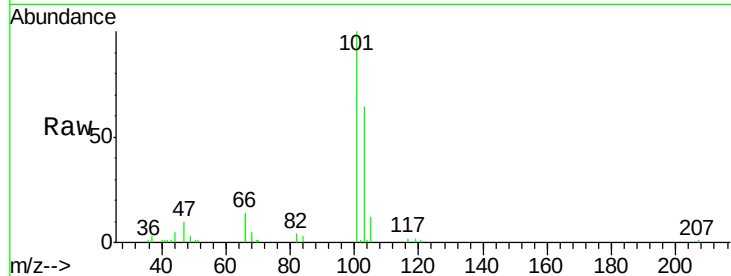
Trichlorofluoromethane
 Concen: 20.482 ug/l
 RT: 2.99 min Scan# 377
 Delta R.T. 0.00 min
 Lab File: VN062423.D
 Acq: 8 Jul 2020 22:46

Instrument :
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 ClientSampleId :
 VN0708WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	51.6	77.4

Manual Integrations
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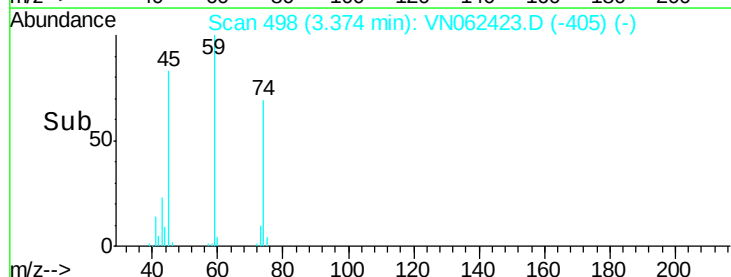
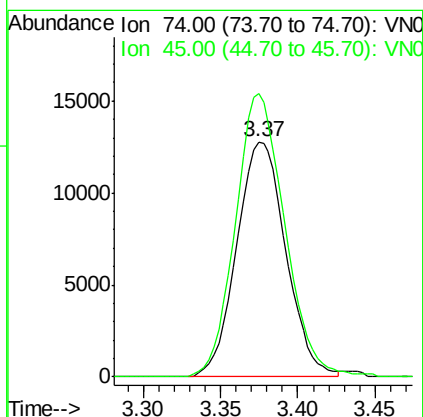
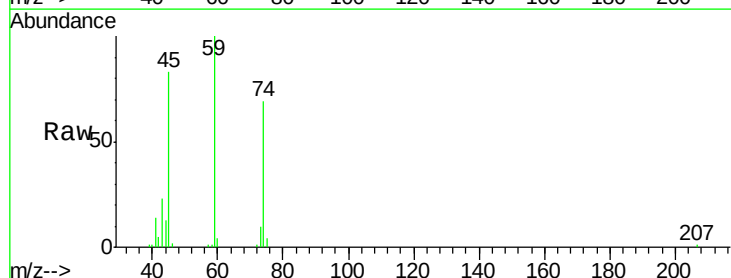
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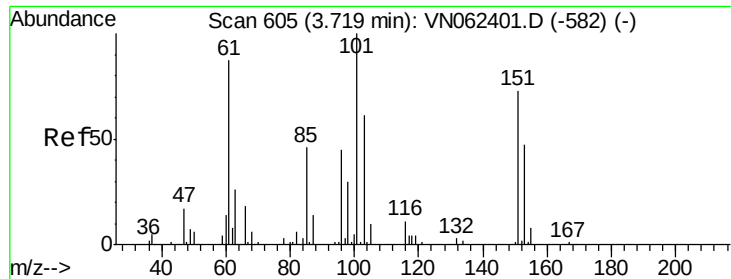


#8

Diethyl Ether
 Concen: 19.556 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. -0.00 min
 Lab File: VN062423.D
 Acq: 8 Jul 2020 22:46

Tgt Ion	Ratio	Lower	Upper
74	100		
45	121.2	58.5	175.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.266 ug/l

RT: 3.72 min Scan# 605

Delta R.T. -0.00 min

Lab File: VN062423.D

Acq: 8 Jul 2020 22:46

Instrument :

MSVOA_N

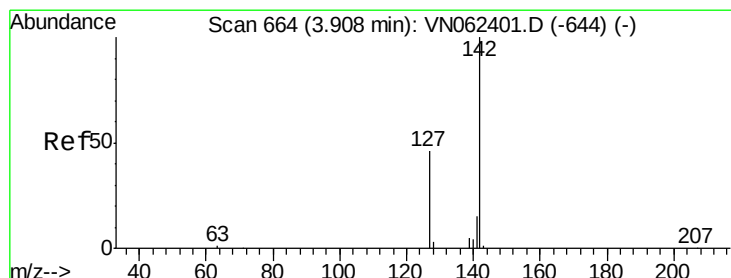
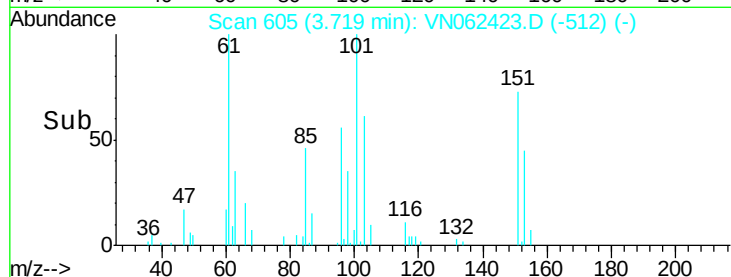
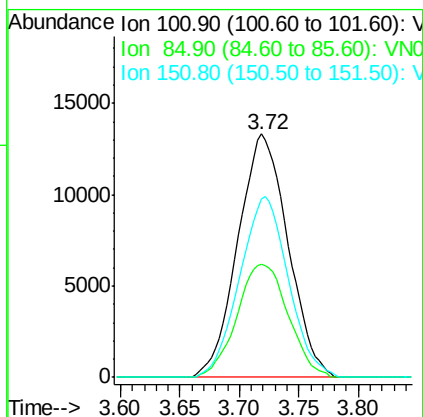
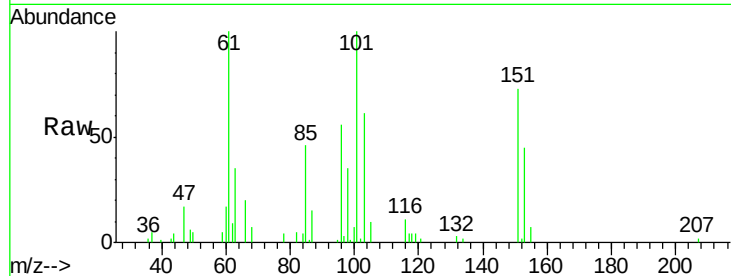
ClientSampleId :

VN0708WBS02

Tot Ion:	101	Resp:	38784
Ion Ratio	Lower	Upper	
101	100		
85	47.5	36.7	55.1
151	72.2	58.3	87.5

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#10

Methyl Iodide

Concen: 19.181 ug/l

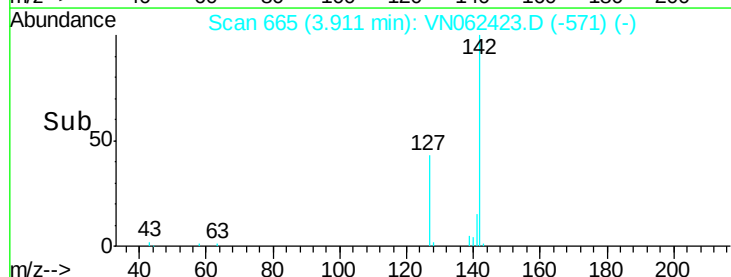
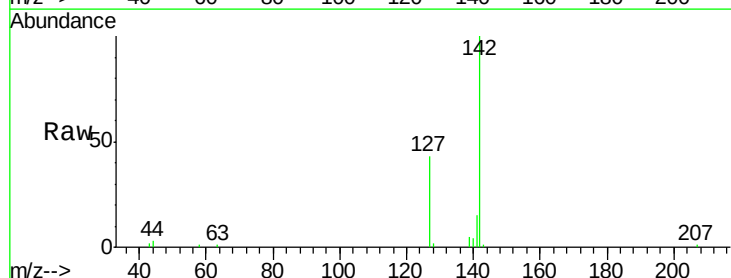
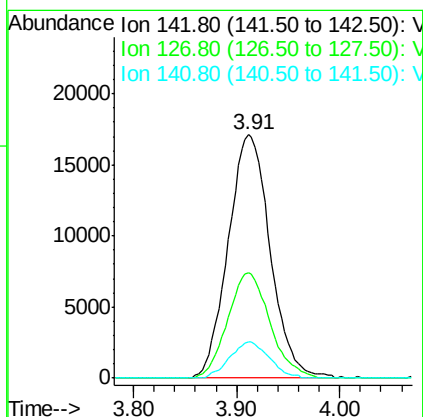
RT: 3.91 min Scan# 665

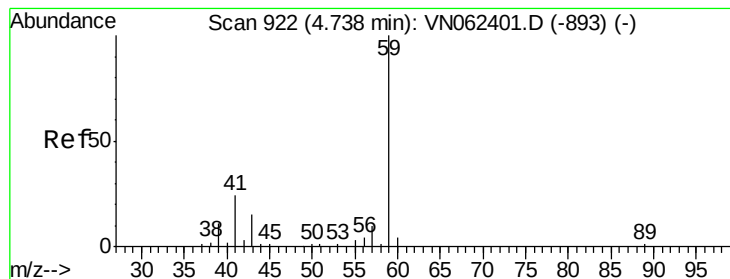
Delta R.T. 0.00 min

Lab File: VN062423.D

Acq: 8 Jul 2020 22:46

Tgt Ion:	142	Resp:	48469
Ion Ratio	Lower	Upper	
142	100		
127	43.5	36.1	54.1
141	14.0	11.4	17.0





#11

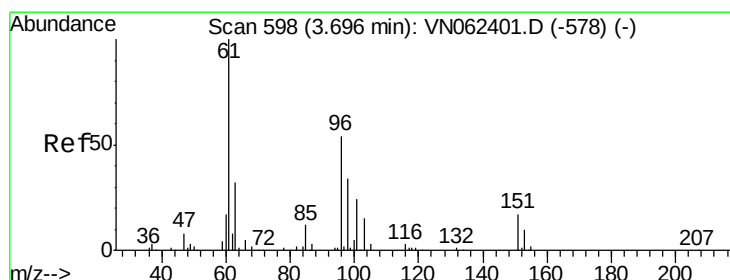
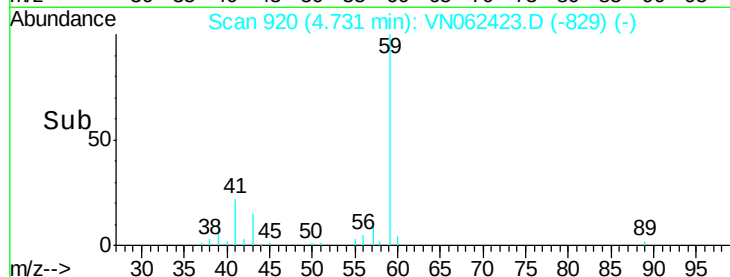
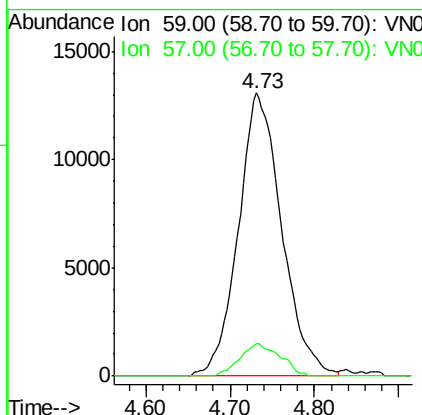
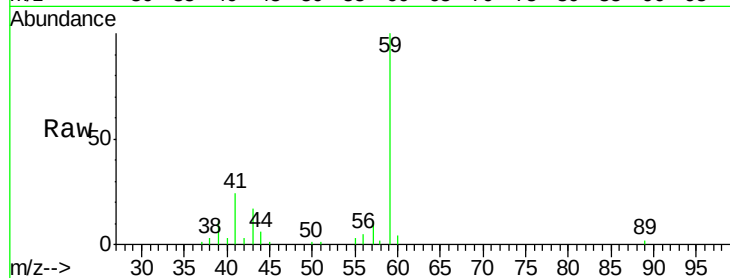
Tert butyl alcohol
 Concen: 96.544 ug/l
 RT: 4.73 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VN062423.D
 Acq: 8 Jul 2020 22:46

Instrument :
 MSVOA_N
 ClientSampled :
 VN0708WBS02

Tot Ion	59	57	Ratio	100	10.7	Resp	46762	Lower	Upper
59	100								
57		10.7						7.8	11.6

Manual Integrations
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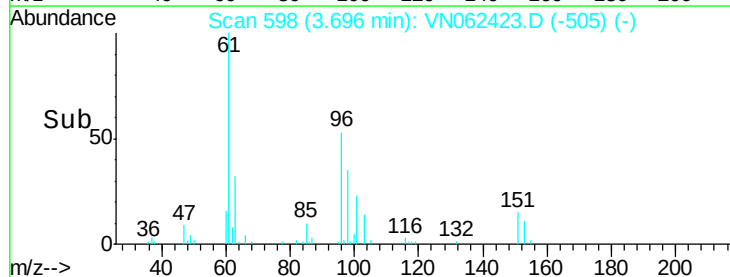
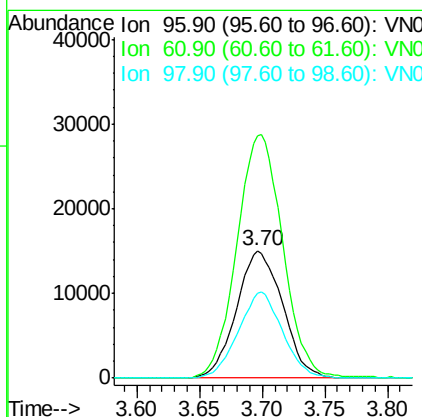
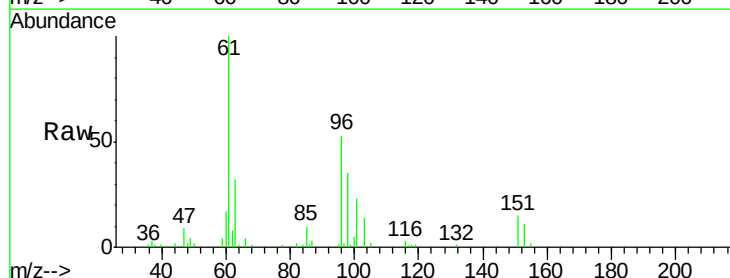
MMDadoda
 7/9/2020 10:58:42 AM

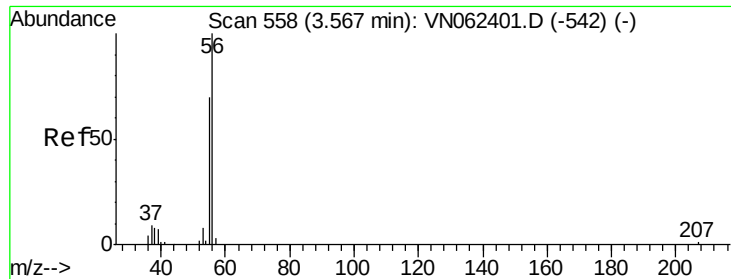


#12

1,1-Dichloroethene
 Concen: 19.699 ug/l
 RT: 3.70 min Scan# 598
 Delta R.T. -0.00 min
 Lab File: VN062423.D
 Acq: 8 Jul 2020 22:46

Tgt Ion	96	61	98	Ratio	100	190.1	66.1	Resp	38382	Lower	Upper
96	100										
61		190.1								147.4	221.0
98		66.1								50.4	75.6





#13

Acrolein

Concen: 79.546 ug/l

RT: 3.57 min Scan# 558

Delta R.T. -0.00 min

Lab File: VN062423.D

Acq: 8 Jul 2020 22:46

Instrument :

MSVOA_N

ClientSampleId :

VN0708WBS02

Tot Ion: 56 Resp: 27794

Ion Ratio Lower Upper

56 100

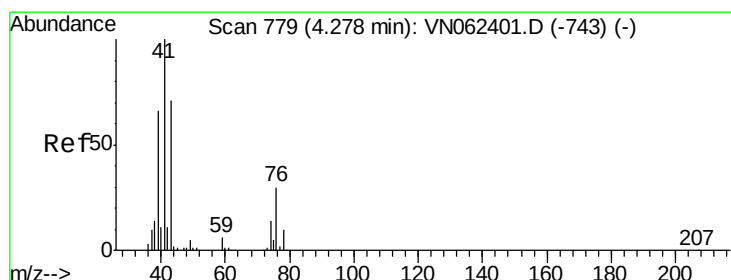
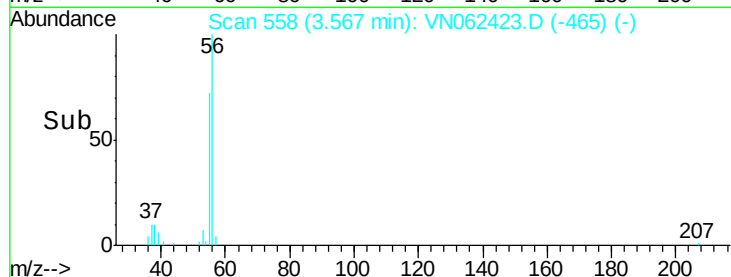
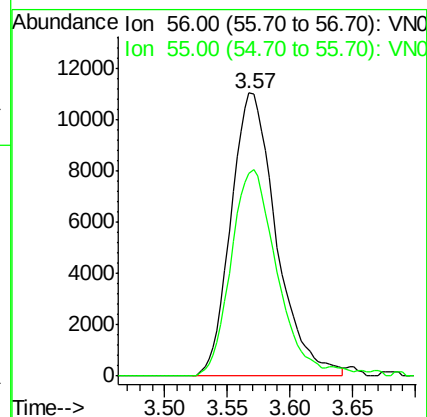
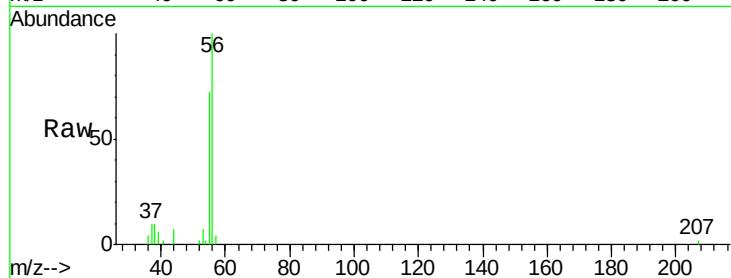
55 72.7 57.2 85.8

Manual Integrations

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#14

Allyl chloride

Concen: 19.325 ug/l

RT: 4.28 min Scan# 779

Delta R.T. -0.00 min

Lab File: VN062423.D

Acq: 8 Jul 2020 22:46

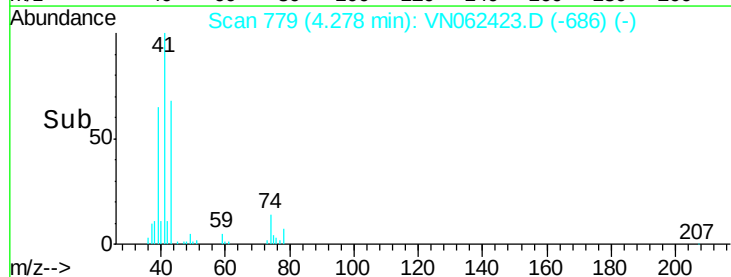
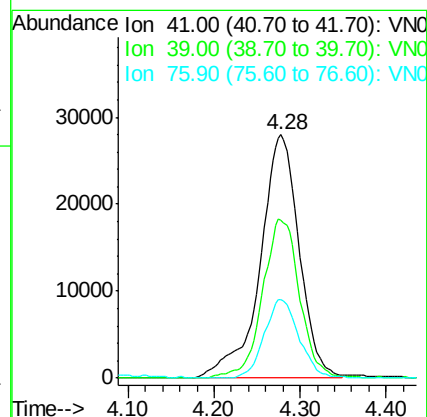
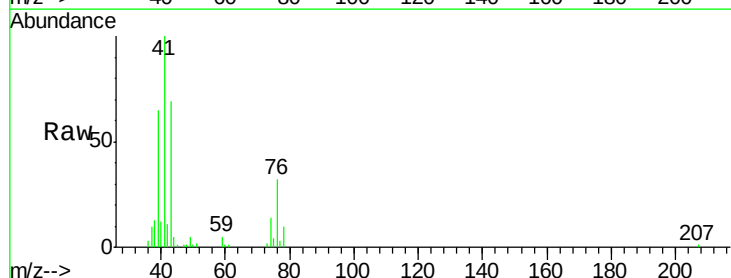
Tgt Ion: 41 Resp: 88556

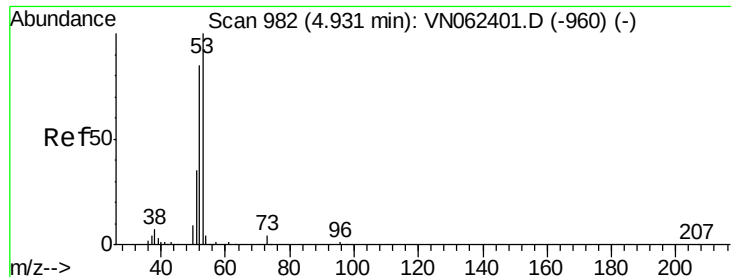
Ion Ratio Lower Upper

41 100

39 61.9 49.6 74.4

76 28.7 22.2 33.4





#15

Acrylonitrile

Concen: 101.057 ug/l

RT: 4.93 min Scan# 983

Delta R.T. 0.00 min

Lab File: VN062423.D

Acq: 8 Jul 2020 22:46

Instrument :

MSVOA_N

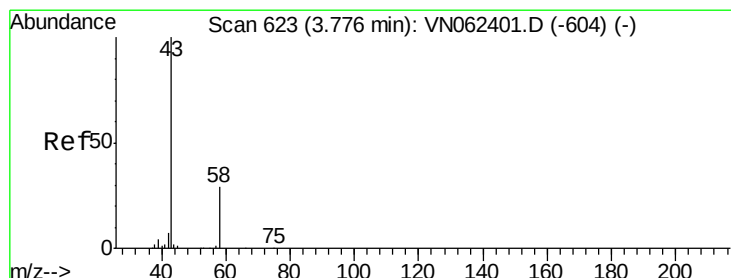
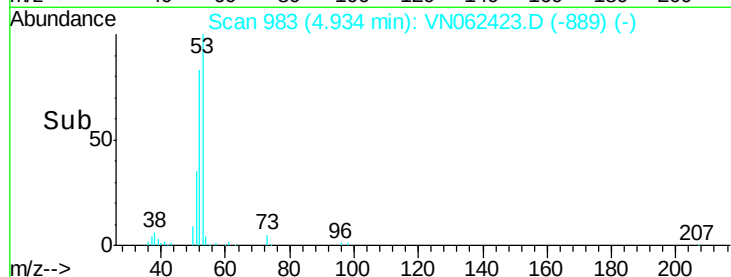
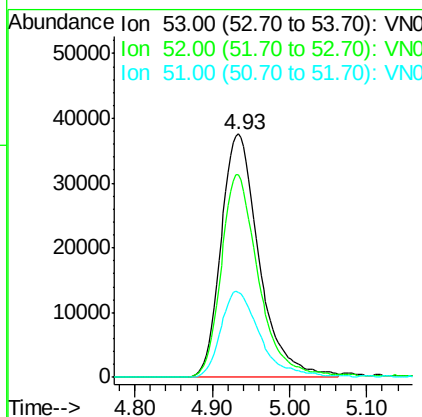
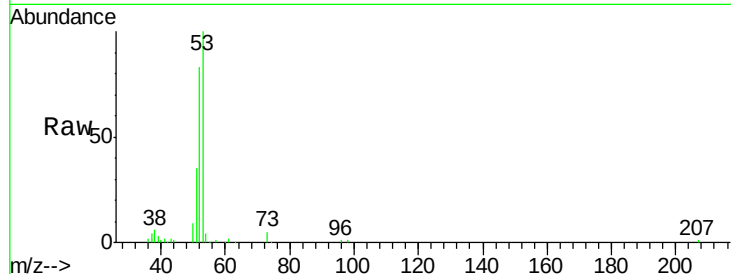
ClientSampled :

VN0708WBS02

Tot Ion:	53	Resp:	128374
Ion Ratio	Lower	Upper	
53	100		
52	81.5	66.2	99.4
51	36.3	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 87.943 ug/l

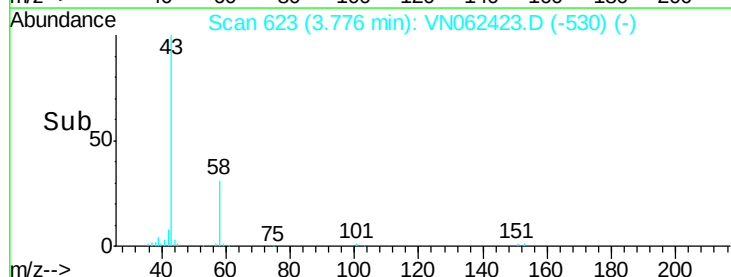
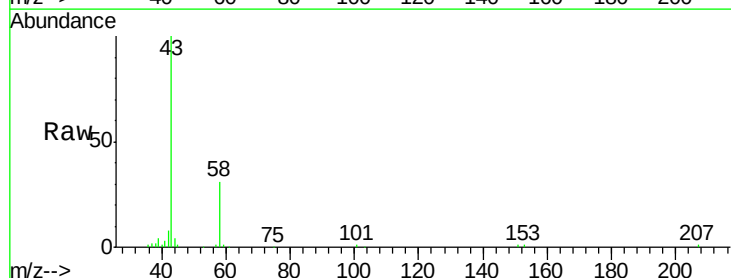
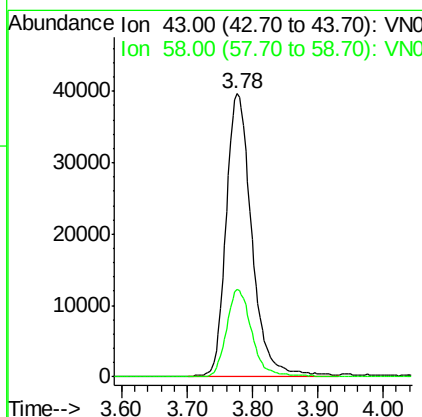
RT: 3.78 min Scan# 623

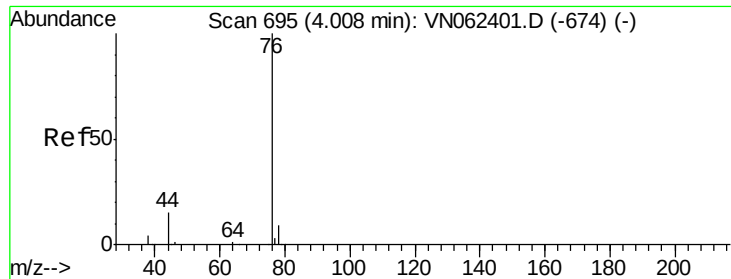
Delta R.T. -0.00 min

Lab File: VN062423.D

Acq: 8 Jul 2020 22:46

Tgt Ion:	43	Resp:	109019
Ion Ratio	Lower	Upper	
43	100		
58	30.8	23.5	35.3





#17

Carbon Disulfide

Concen: 19.142 ug/l

RT: 4.01 min Scan# 696

Delta R.T. 0.00 min

Lab File: VN062423.D

Acq: 8 Jul 2020 22:46

Instrument :

MSVOA_N

ClientSampled :

VN0708WBS02

Tot Ion: 76 Resp: 116873

Ion Ratio Lower Upper

76 100

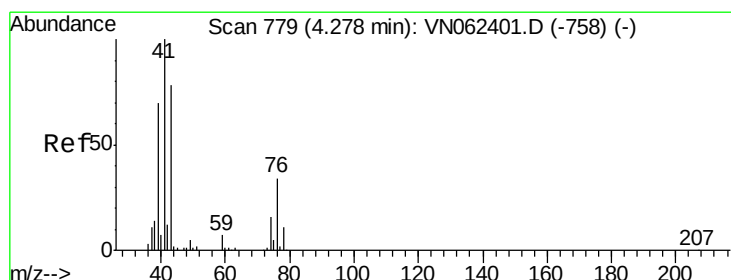
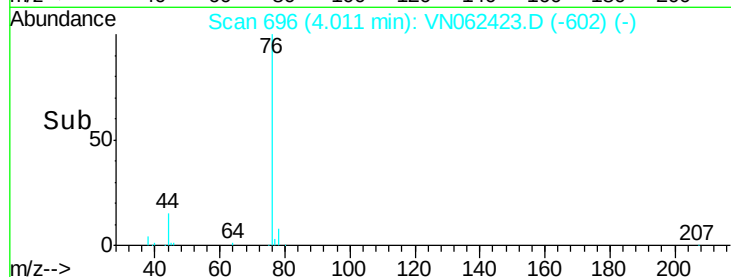
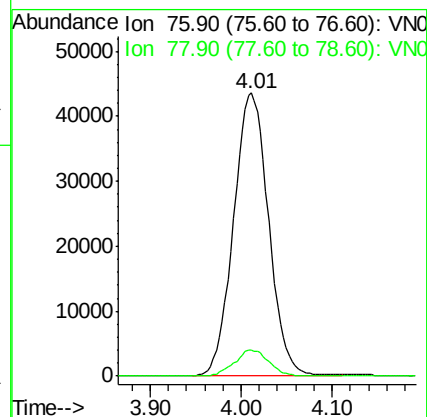
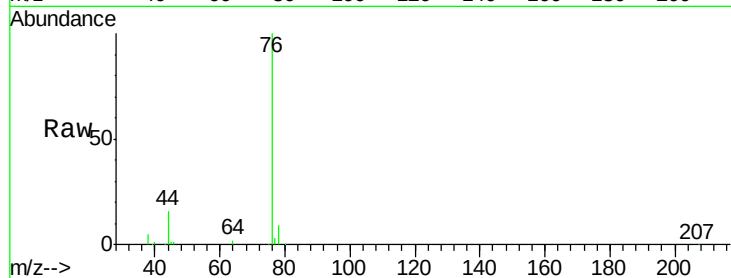
78 9.1 7.3 10.9

Manual Integrations

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#18

Methyl Acetate

Concen: 19.208 ug/l

RT: 4.28 min Scan# 780

Delta R.T. 0.00 min

Lab File: VN062423.D

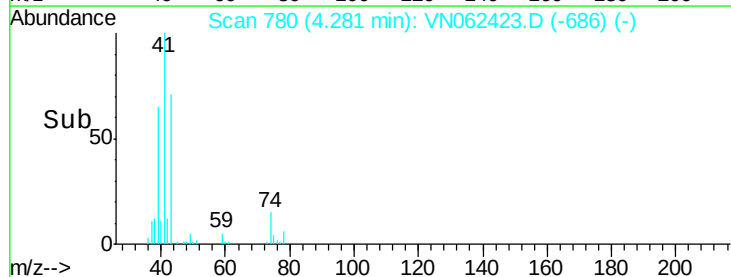
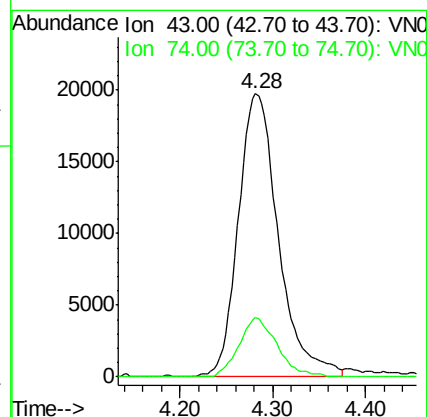
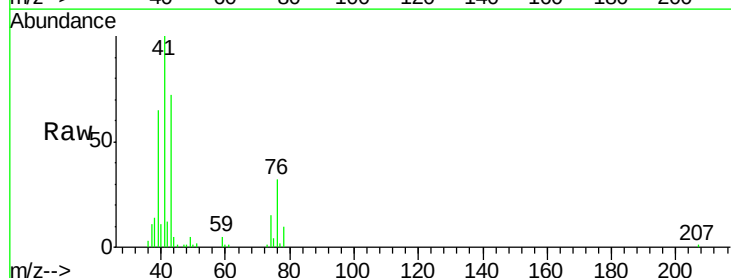
Acq: 8 Jul 2020 22:46

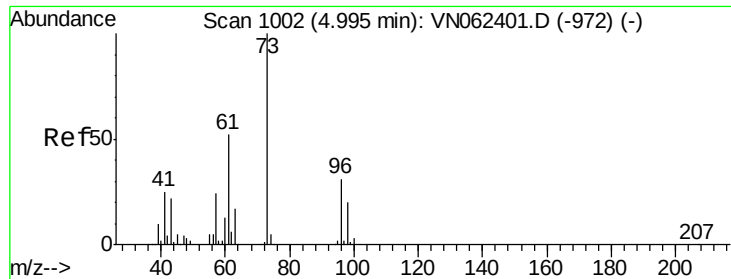
Tgt Ion: 43 Resp: 59424

Ion Ratio Lower Upper

43 100

74 19.8 16.0 24.0





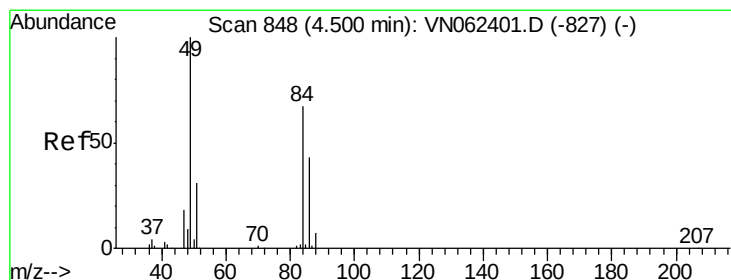
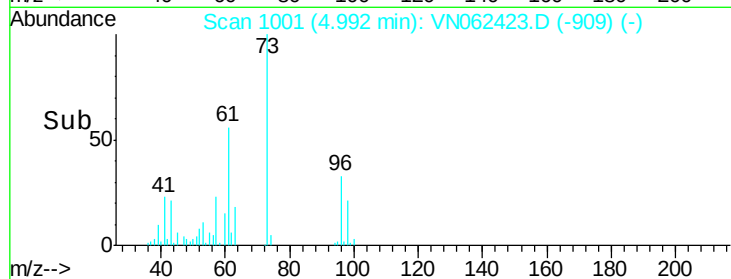
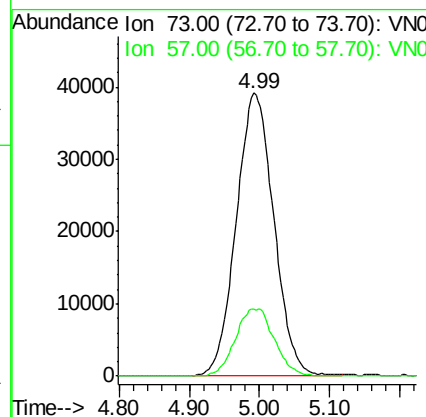
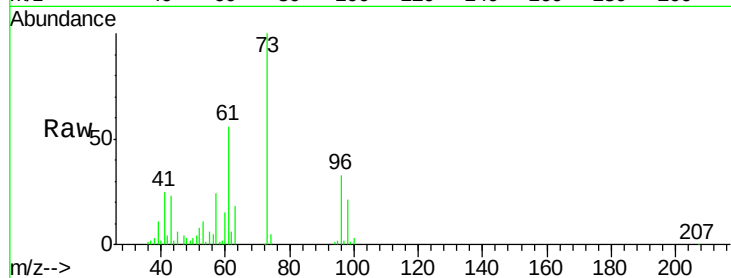
#19
Methvl tert-butvl Ether
Concen: 19.751 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VN062423.D
Acq: 8 Jul 2020 22:46

Instrument :
MSVOA_N
ClientSampleId :
VN0708WBS02

Tot Ion: 73 Resp: 145909
Ion Ratio Lower Upper
73 100
57 23.8 19.4 29.0

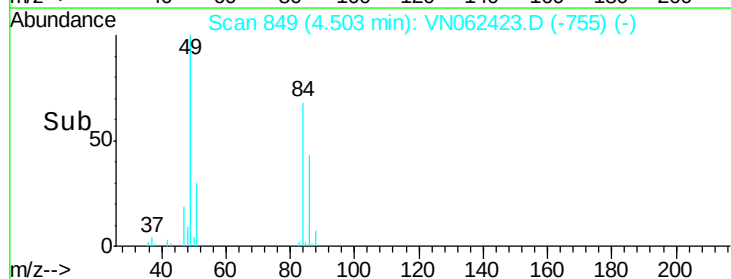
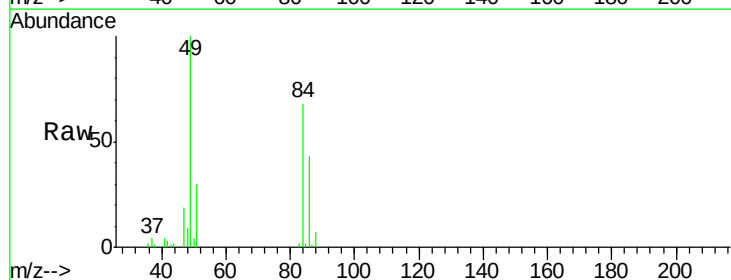
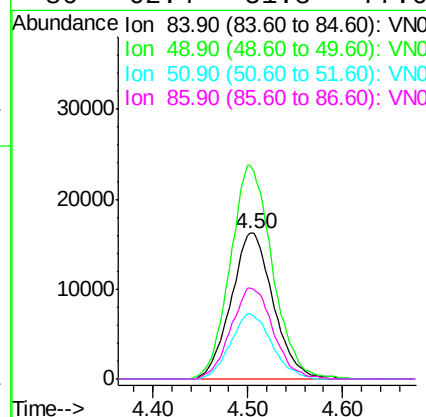
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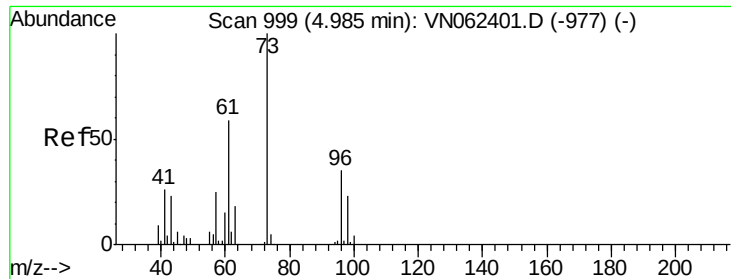
MMDadoda
7/9/2020 10:58:42 AM



#20
Methylene Chloride
Concen: 18.996 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN062423.D
Acq: 8 Jul 2020 22:46

Tgt Ion: 84 Resp: 50349
Ion Ratio Lower Upper
84 100
49 145.3 120.0 180.0
51 44.3 37.0 55.6
86 62.4 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 19.921 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VN062423.D

Acq: 8 Jul 2020 22:46

Instrument :

MSVOA_N

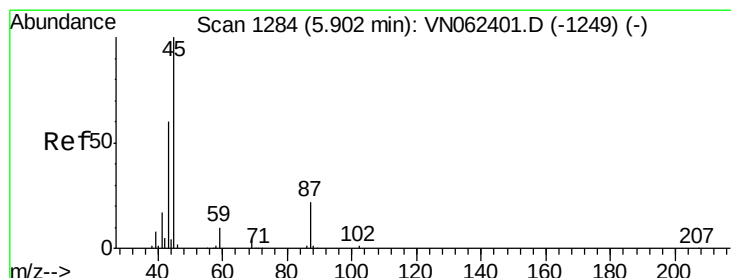
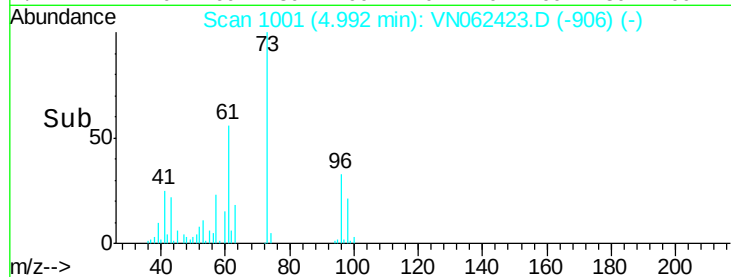
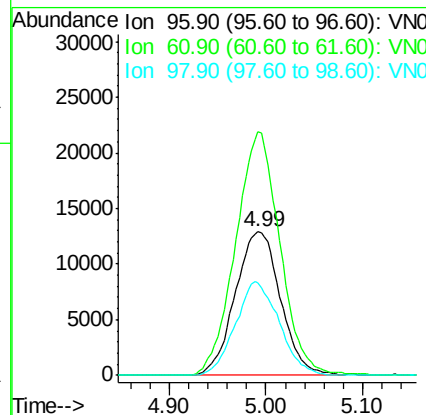
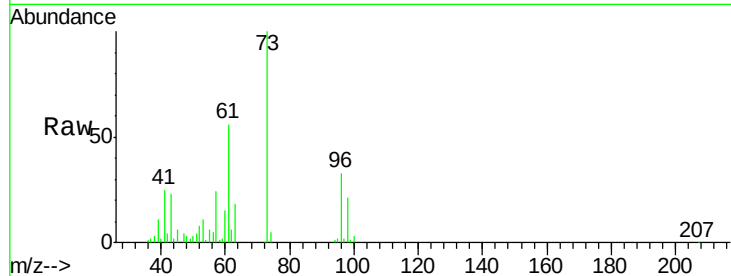
ClientSampleId :

VN0708WBS02

Tot Ion:	96	Resp:	42050
Ion	Ratio	Lower	Upper
96	100		
61	169.6	133.5	200.3
98	64.3	51.9	77.9

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#22

Diisopropyl ether

Concen: 20.532 ug/l

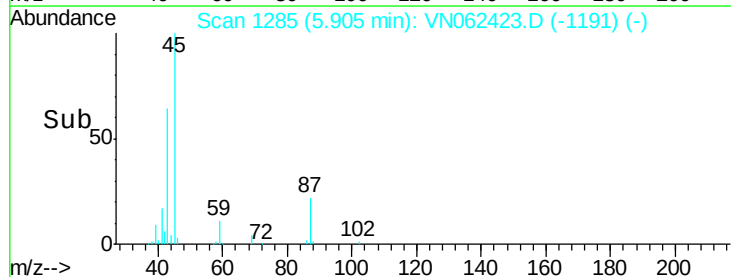
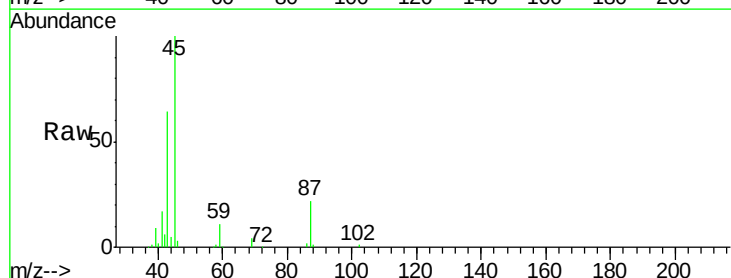
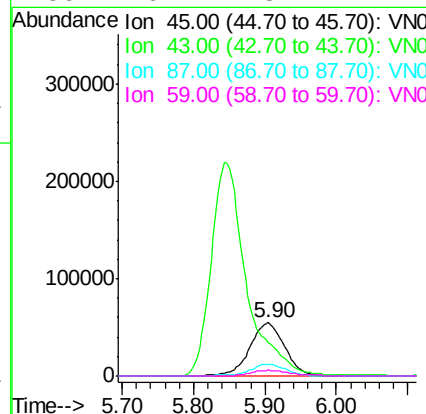
RT: 5.90 min Scan# 1285

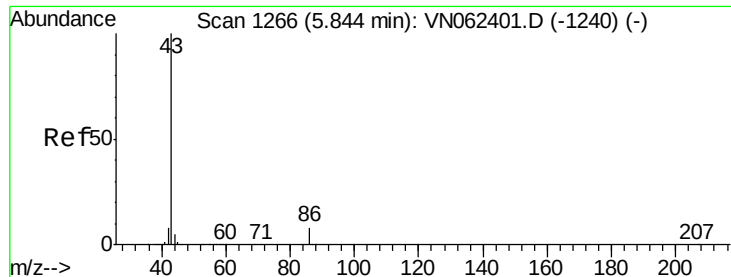
Delta R.T. 0.00 min

Lab File: VN062423.D

Acq: 8 Jul 2020 22:46

Tgt Ion:	45	Resp:	185893
Ion	Ratio	Lower	Upper
45	100		
43	61.6	50.1	75.1
87	21.7	18.2	27.4
59	10.7	8.2	12.2





#23

Vinyl Acetate

Concen: 100.315 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN062423.D

Acq: 8 Jul 2020 22:46

Instrument :

MSVOA_N

ClientSampled :

VN0708WBS02

Tot Ion: 43 Resp: 752351

Ion Ratio Lower Upper

43 100

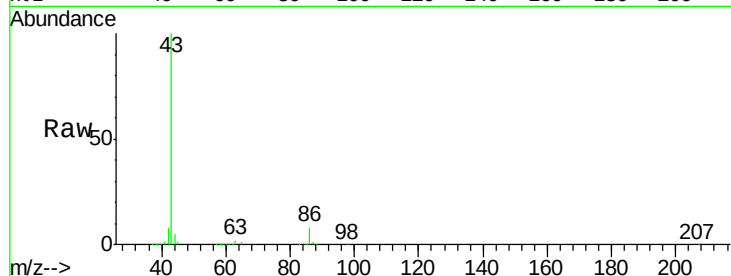
86 7.8 6.7 10.1

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.84

250000

200000

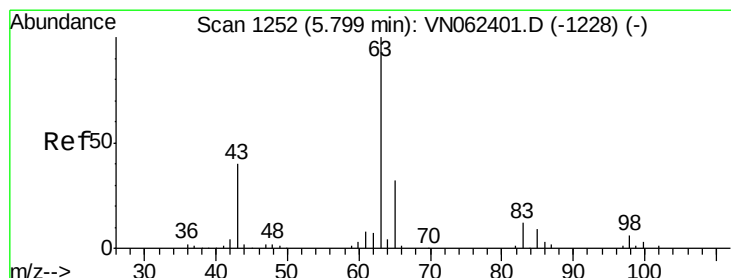
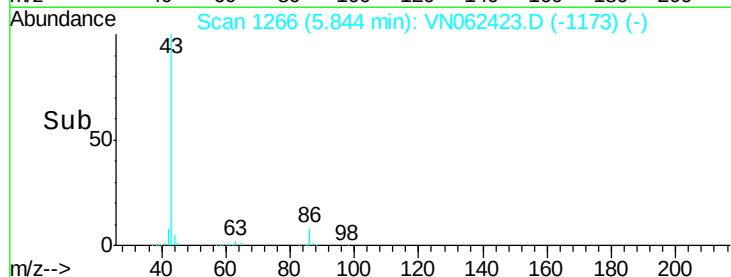
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.168 ug/l

RT: 5.80 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VN062423.D

Acq: 8 Jul 2020 22:46

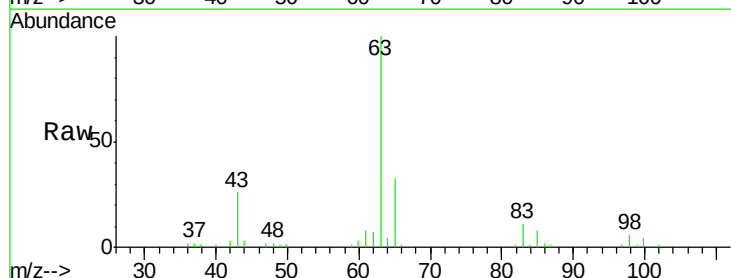
Tgt Ion: 63 Resp: 94353

Ion Ratio Lower Upper

63 100

98 6.3 2.9 8.8

100 3.7 1.8 5.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.80

40000

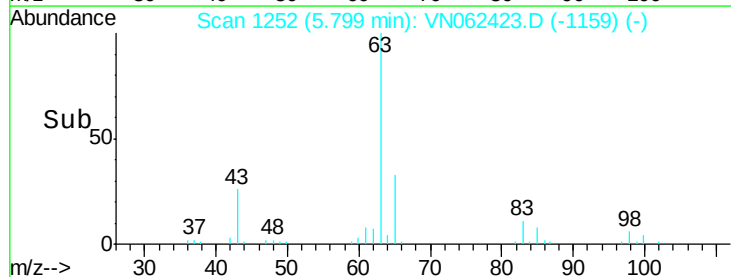
30000

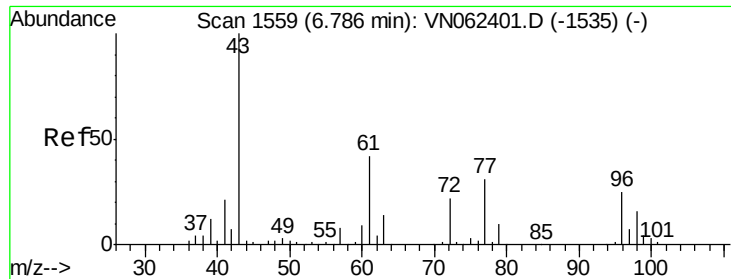
20000

10000

0

Time-->





#25

2-Butanone

Concen: 97.275 ug/l

RT: 6.79 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VN062423.D

Acq: 8 Jul 2020 22:46

Instrument :

MSVOA_N

ClientSampleId :

VN0708WBS02

Tot Ion: 43 Resp: 176110

Ion Ratio Lower Upper

43 100

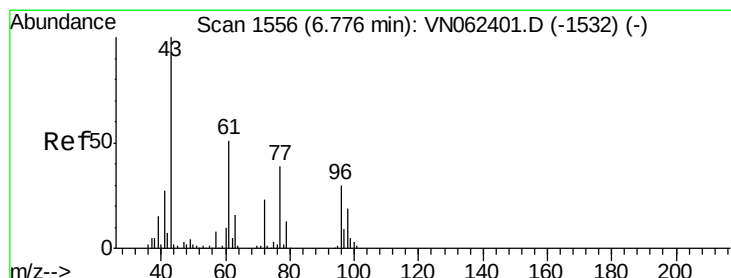
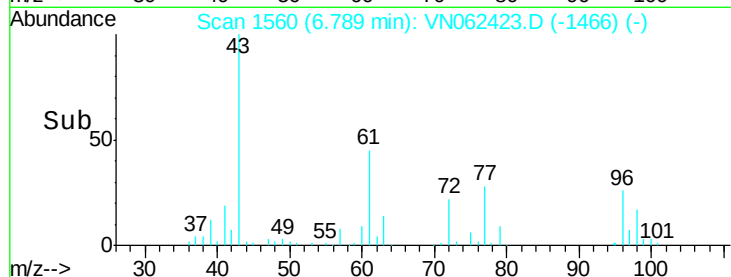
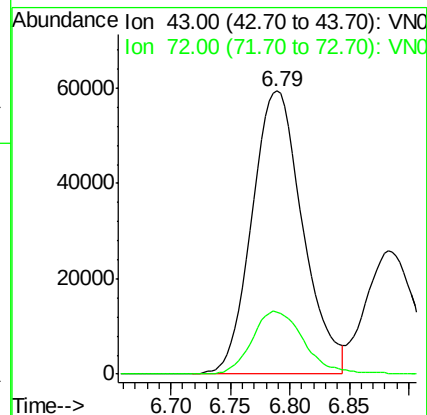
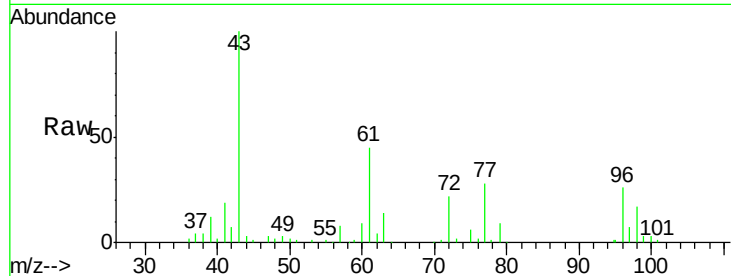
72 22.1 17.9 26.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.023 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.00 min

Lab File: VN062423.D

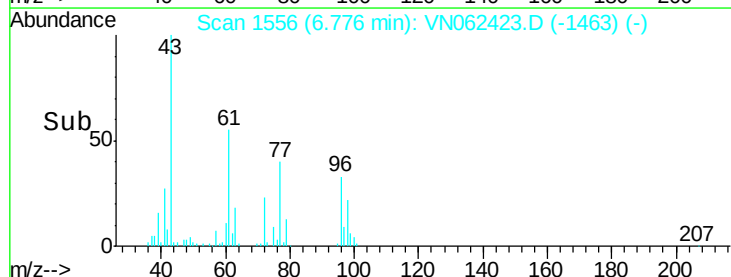
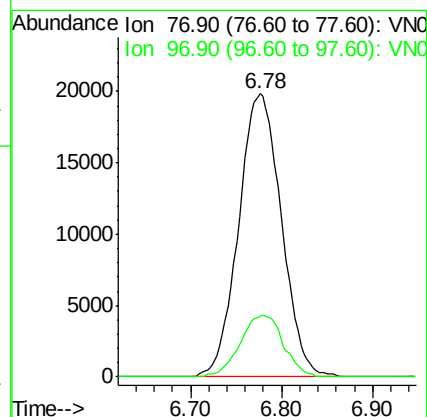
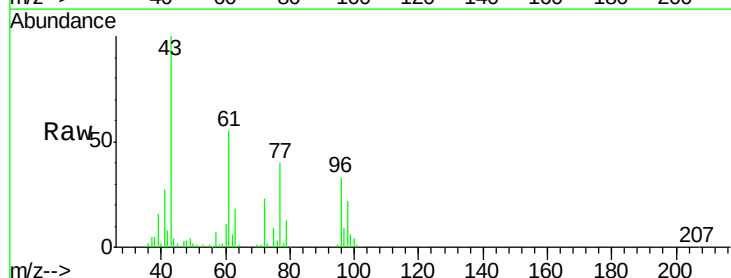
Acq: 8 Jul 2020 22:46

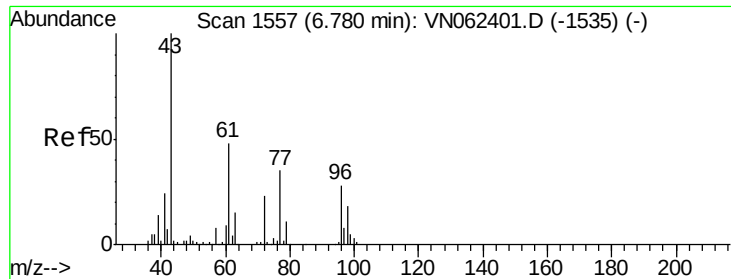
Tgt Ion: 77 Resp: 64652

Ion Ratio Lower Upper

77 100

97 22.0 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 20.396 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VN062423.D

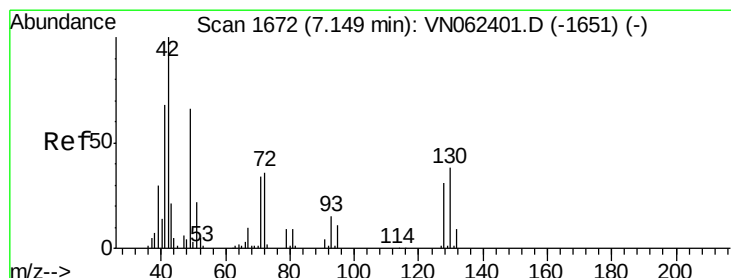
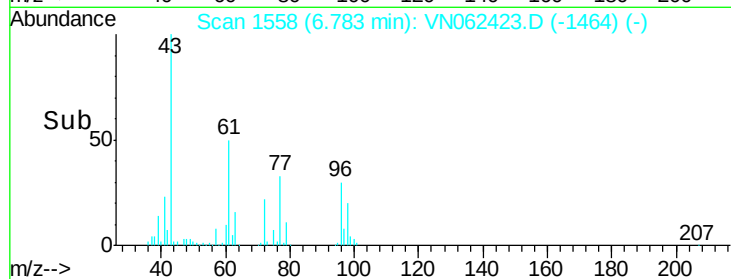
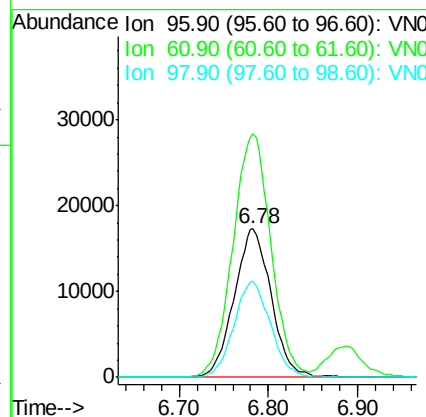
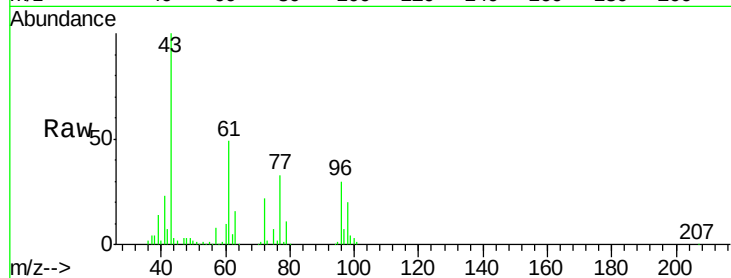
Acq: 8 Jul 2020 22:46

Instrument :
MSVOA_N
ClientSampleId :
VN0708WBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	168.2	0.0	343.4	
98	63.3	0.0	128.4	

Manual Integrations
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7/9/2020 10:58:42 AM



#28

Bromochloromethane

Concen: 18.963 ug/l

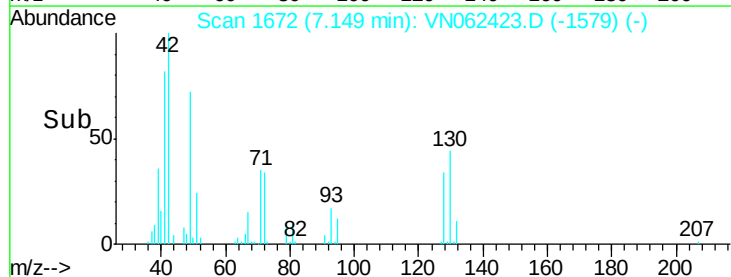
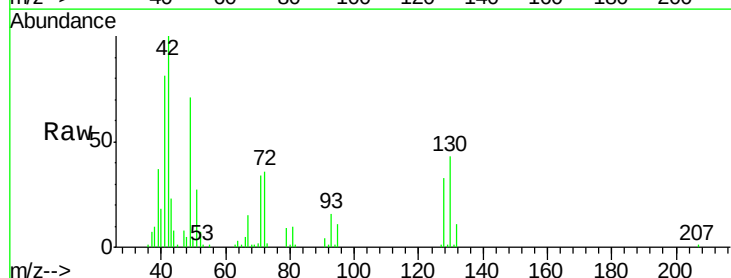
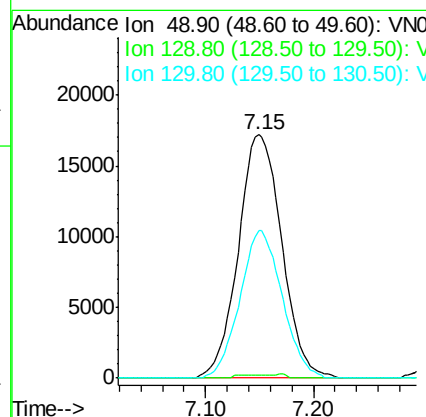
RT: 7.15 min Scan# 1672

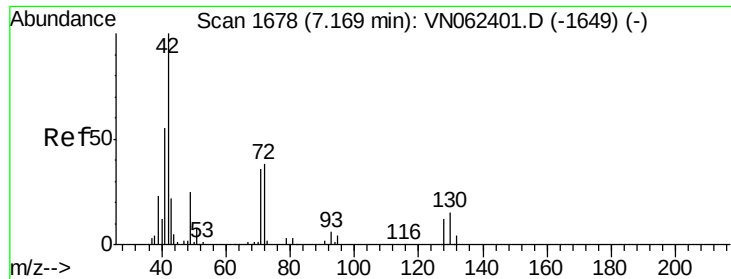
Delta R.T. -0.00 min

Lab File: VN062423.D

Acq: 8 Jul 2020 22:46

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.8	0.0	2.8	
130	58.9	46.5	69.7	





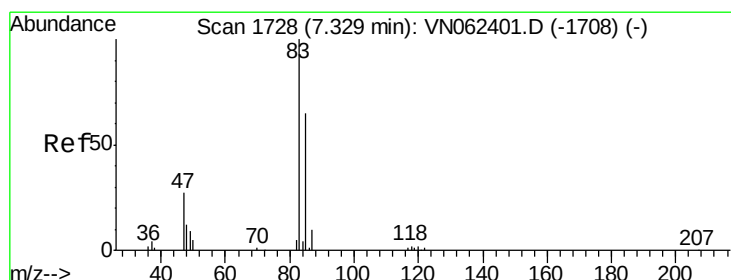
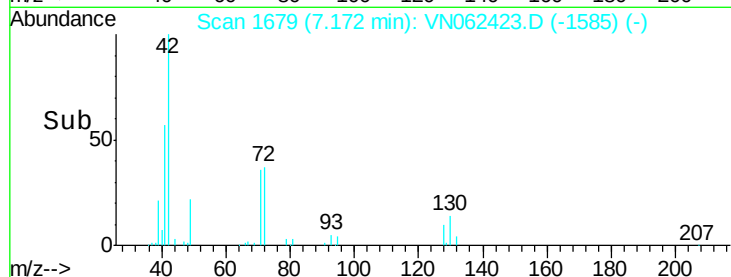
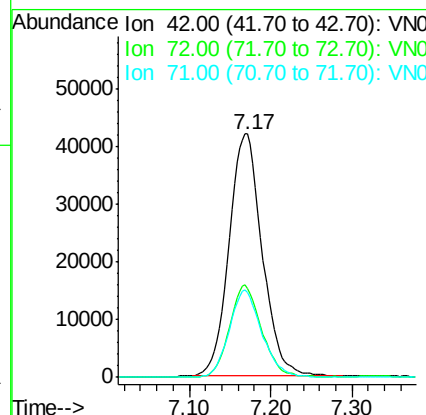
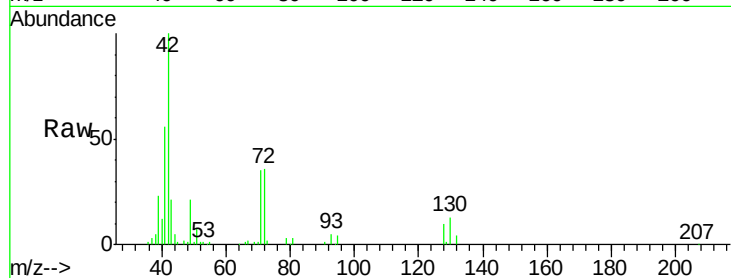
#29
Tetrahydrofuran
Concen: 97.311 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN062423.D
Acq: 8 Jul 2020 22:46

Instrument :
MSVOA_N
ClientSampleId :
VN0708WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.3	29.1	43.7
71	35.7	28.1	42.1

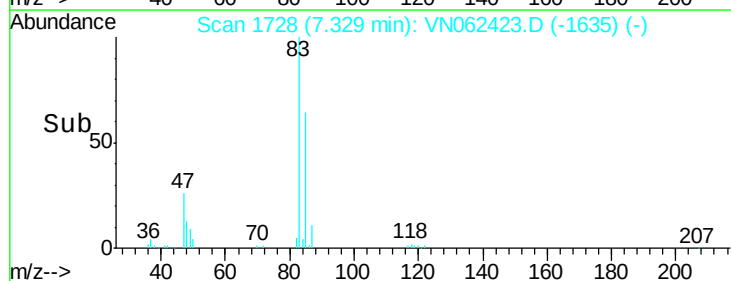
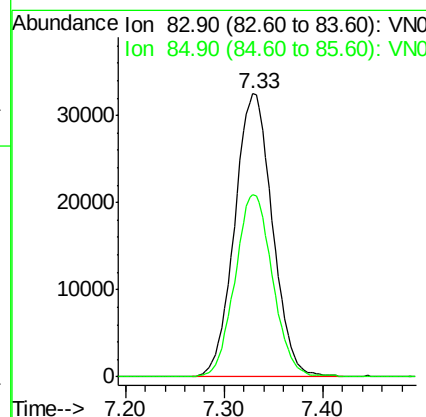
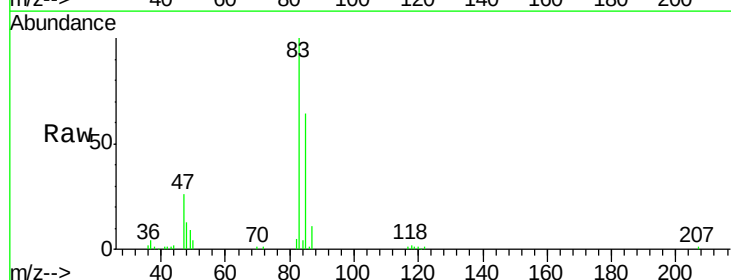
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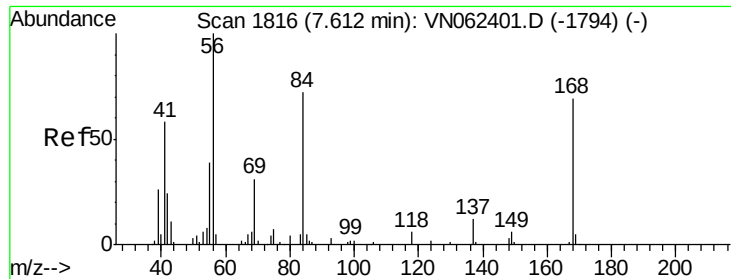
MMDadoda
7/9/2020 10:58:42 AM



#30
Chloroform
Concen: 20.499 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. -0.00 min
Lab File: VN062423.D
Acq: 8 Jul 2020 22:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.8	77.6





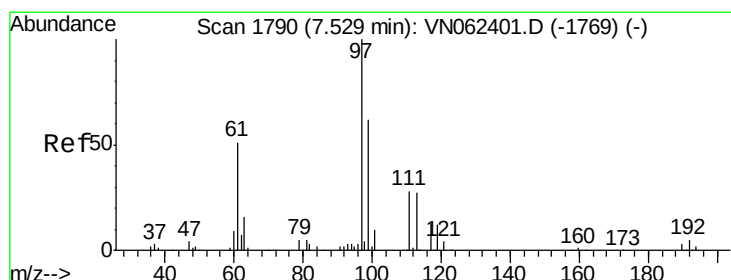
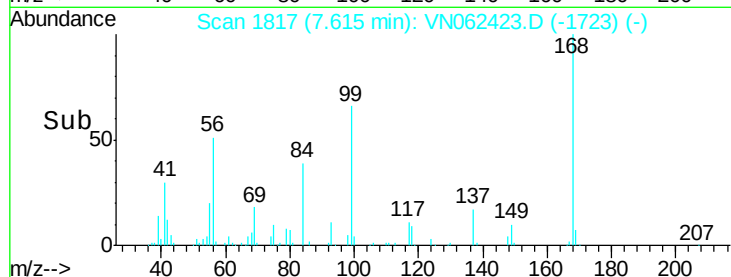
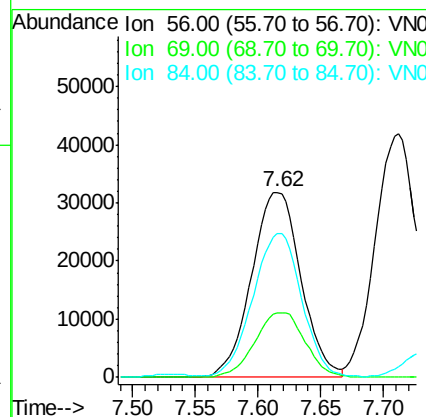
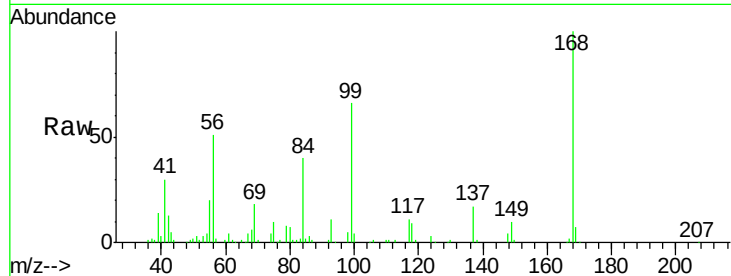
#31
Cyclohexane
Concen: 19.693 ug/l
RT: 7.62 min Scan# 1817
Delta R.T. 0.00 min
Lab File: VN062423.D
Acq: 8 Jul 2020 22:46

Instrument :
MSVOA_N
ClientSampled :
VN0708WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.1	24.5	36.7
84	76.8	57.4	86.2

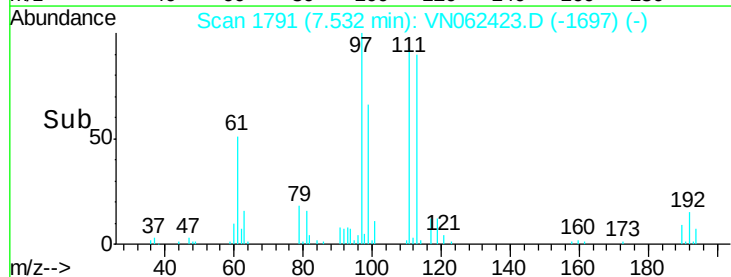
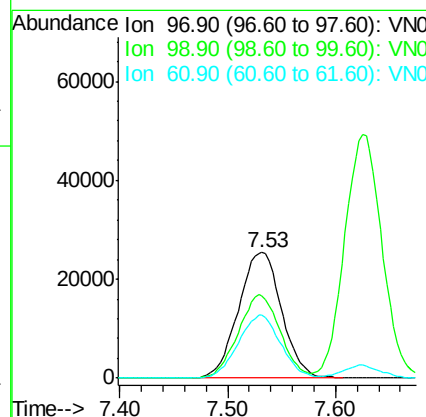
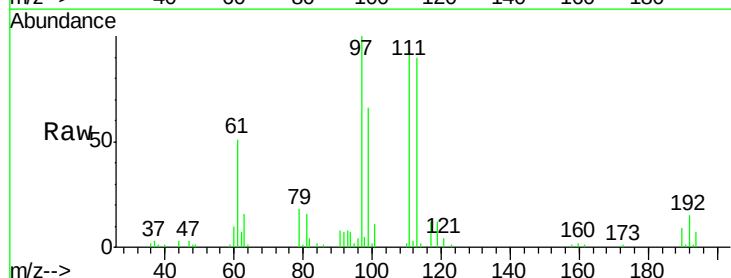
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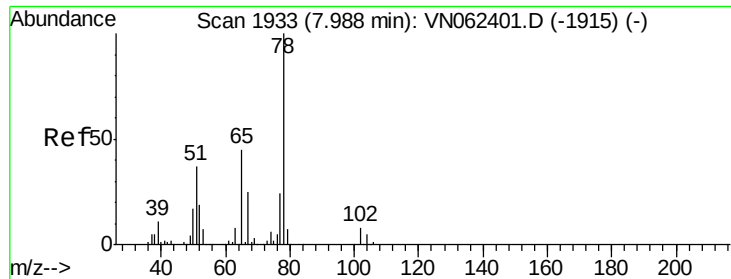
MMDadoda
7/9/2020 10:58:42 AM



#32
1,1,1-Trichloroethane
Concen: 20.081 ug/l
RT: 7.53 min Scan# 1791
Delta R.T. 0.00 min
Lab File: VN062423.D
Acq: 8 Jul 2020 22:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	50.4	75.6
61	49.2	39.9	59.9





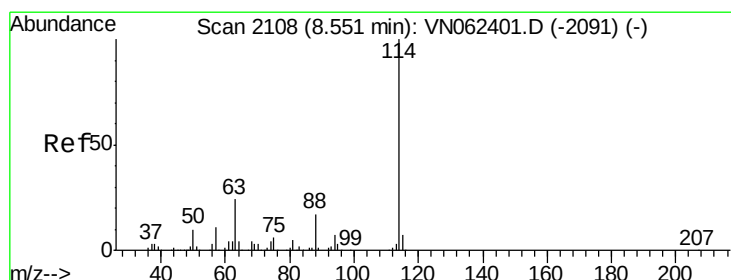
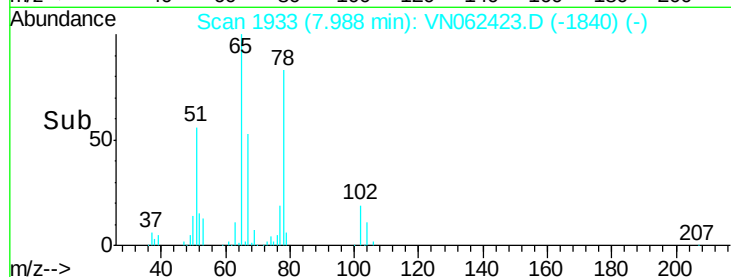
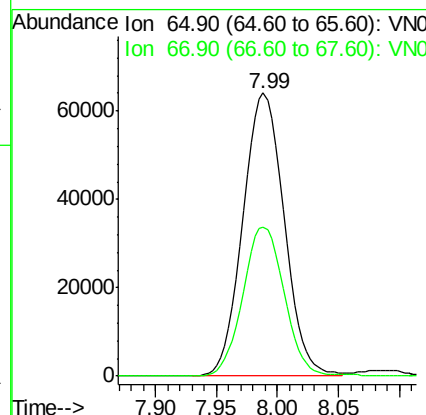
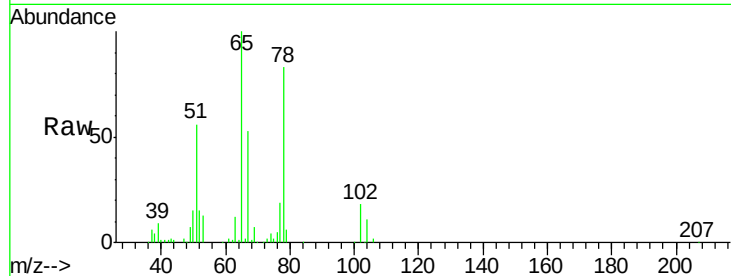
#33
 1,2-Dichloroethane-d4
 Concen: 51.476 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN062423.D
 Acq: 8 Jul 2020 22:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0708WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.0	0.0	107.6	

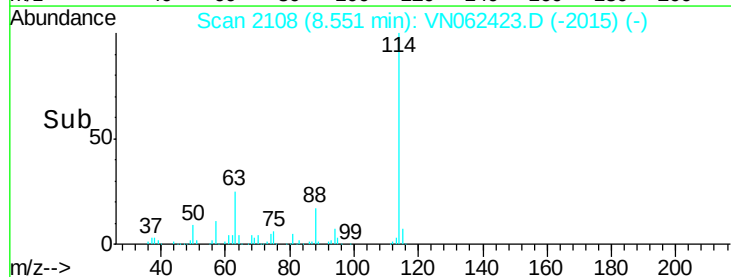
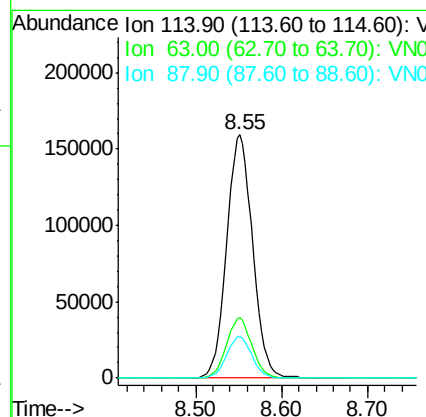
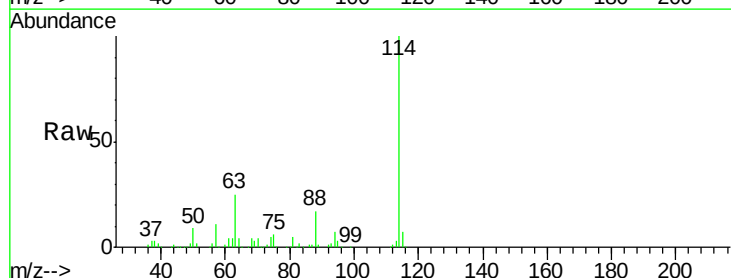
Manual Integrations
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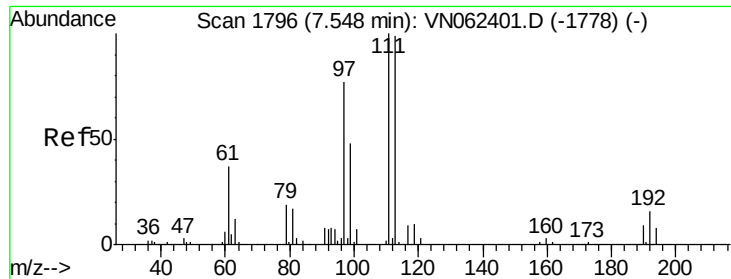
MMDadoda
 7/9/2020 10:58:42 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062423.D
 Acq: 8 Jul 2020 22:46

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	24.8	0.0	48.4	
88	17.1	0.0	33.8	





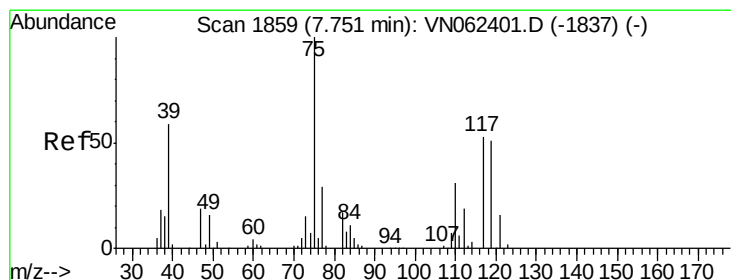
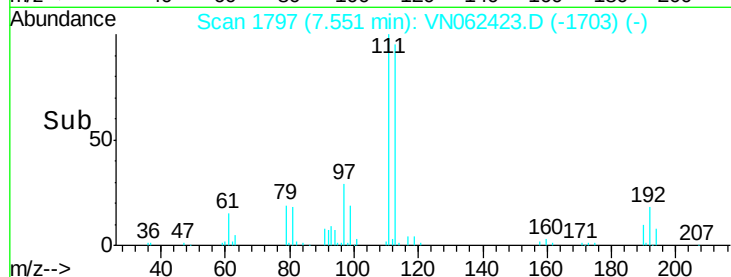
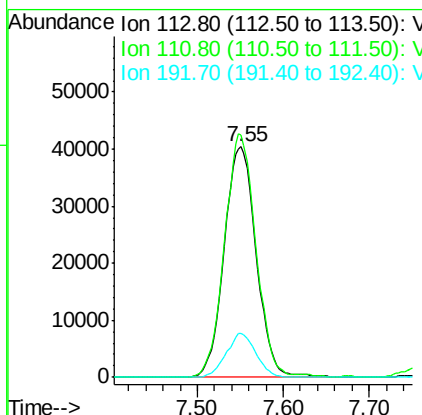
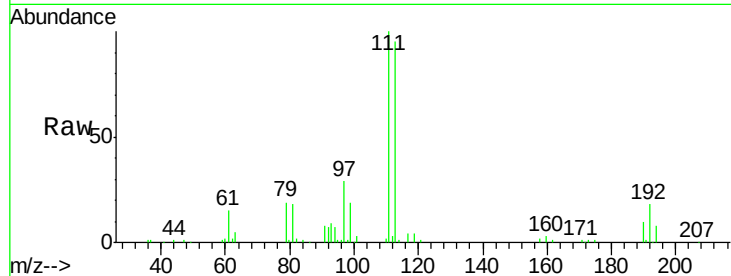
#35
 Dibromofluoromethane
 Concen: 50.777 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062423.D
 Acq: 8 Jul 2020 22:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0708WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.5	83.1	124.7	
192	17.7	14.1	21.1	

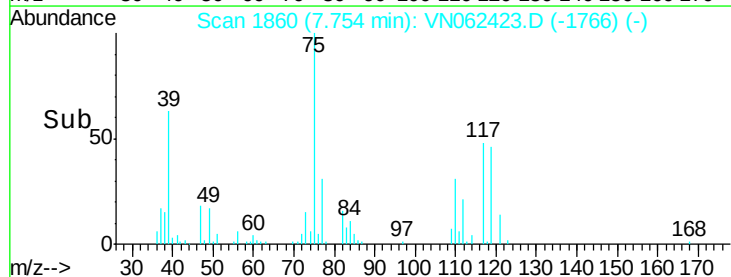
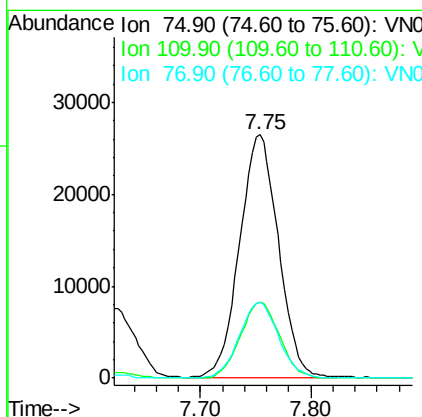
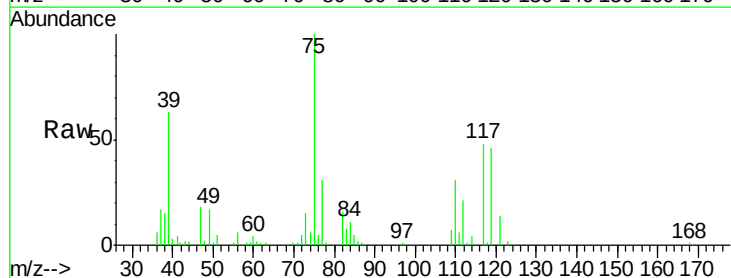
Manual Integrations
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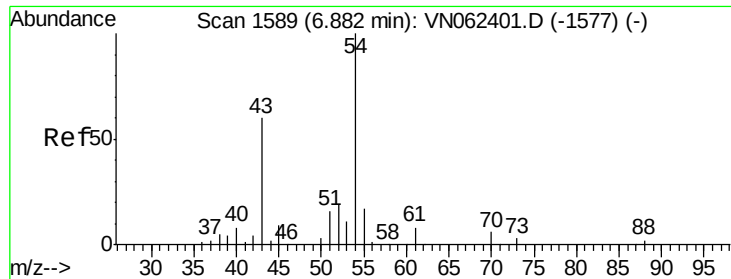
MMDadoda
 7/9/2020 10:58:42 AM



#36
 1,1-Dichloropropene
 Concen: 19.293 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN062423.D
 Acq: 8 Jul 2020 22:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	31.1	15.4	46.2	
77	31.5	24.1	36.1	





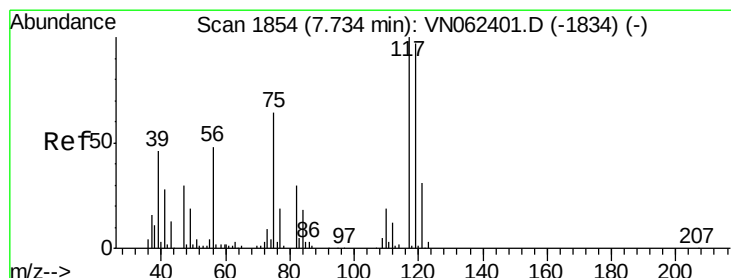
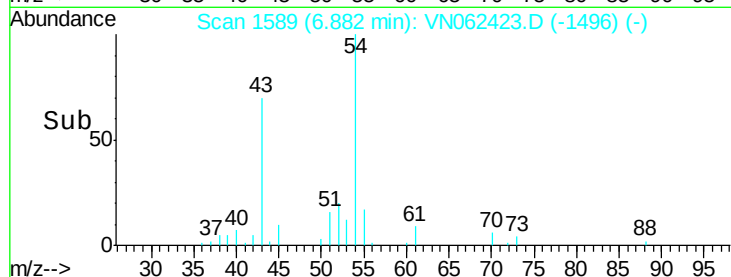
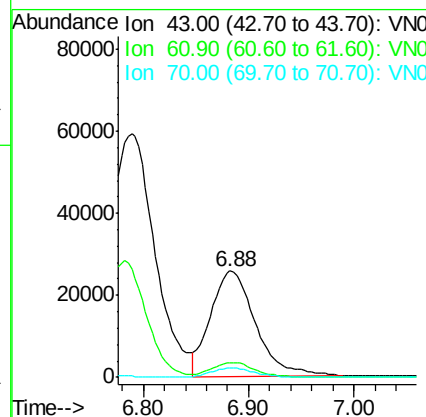
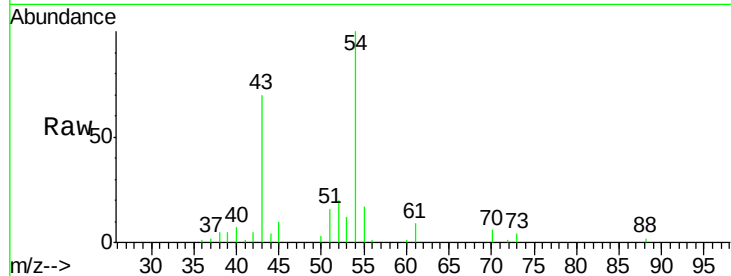
#37
Ethyl Acetate
Concen: 19.368 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. -0.00 min
Lab File: VN062423.D
Acq: 8 Jul 2020 22:46

Instrument :
MSVOA_N
ClientSampled :
VN0708WBS02

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	13.8	10.7	16.1	
70	8.4	7.2	10.8	

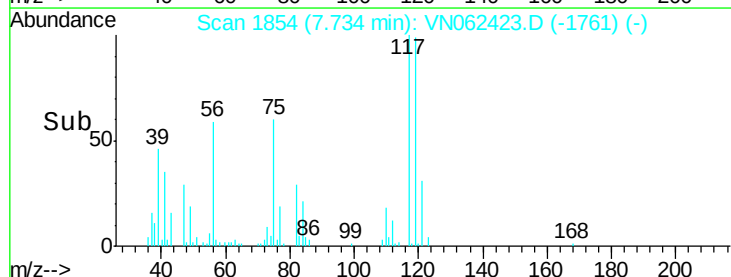
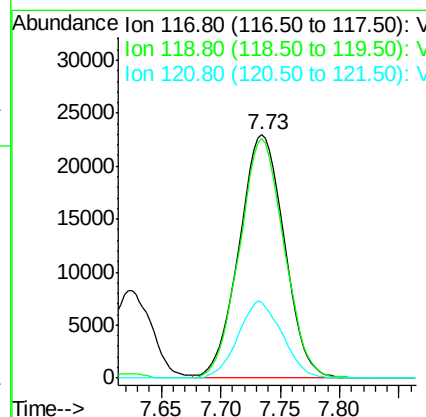
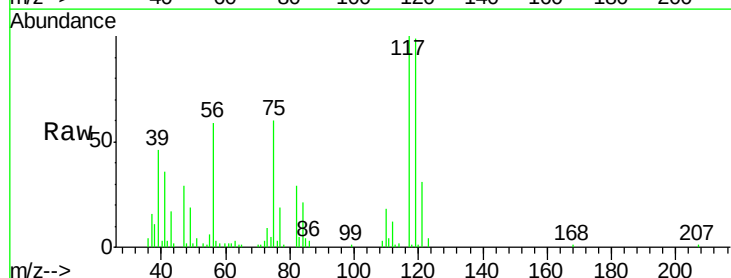
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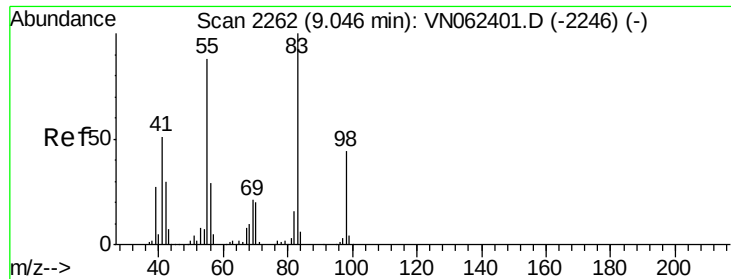
MMDadoda
7/9/2020 10:58:42 AM



#38
Carbon Tetrachloride
Concen: 20.034 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VN062423.D
Acq: 8 Jul 2020 22:46

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	98.7	77.2	115.8	
121	31.1	24.8	37.2	





#39

Methylvlcyclohexane

Concen: 19.557 ug/l

RT: 9.05 min Scan# 2263

Delta R.T. 0.00 min

Lab File: VN062423.D

Acq: 8 Jul 2020 22:46

Instrument :

MSVOA_N

ClientSampleId :

VN0708WBS02

Tot Ion: 83 Resp: 70148

Ion Ratio Lower Upper

83 100

55 88.2 70.5 105.7

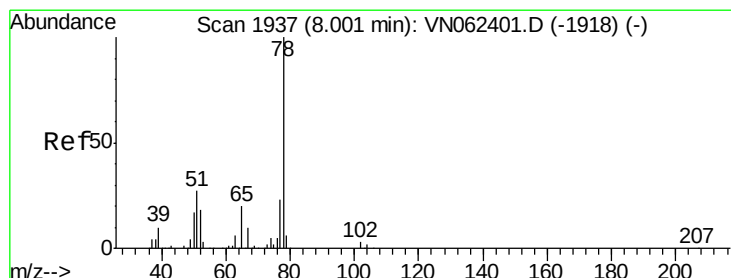
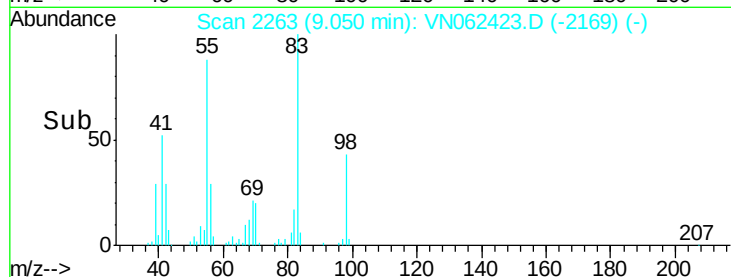
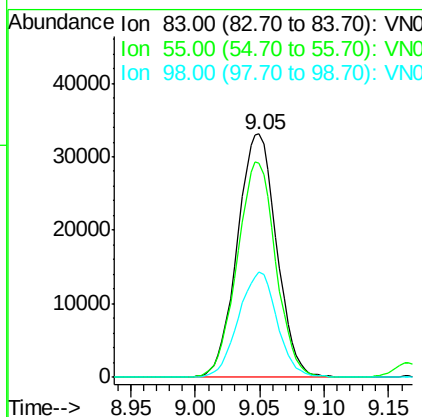
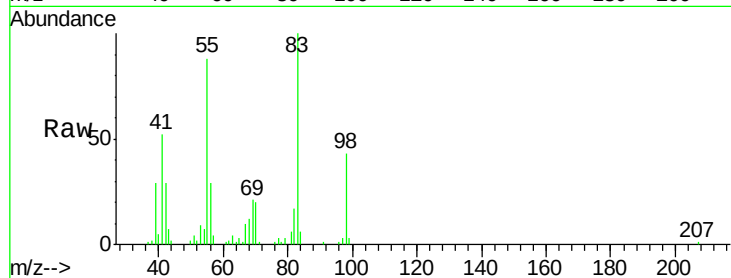
98 43.2 35.5 53.3

Manual Integrations

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7/9/2020 10:58:42 AM



#40

Benzene

Concen: 20.117 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN062423.D

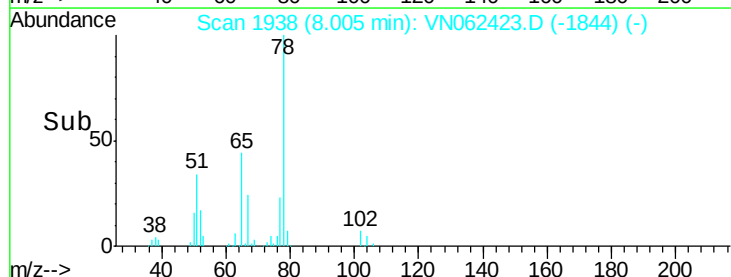
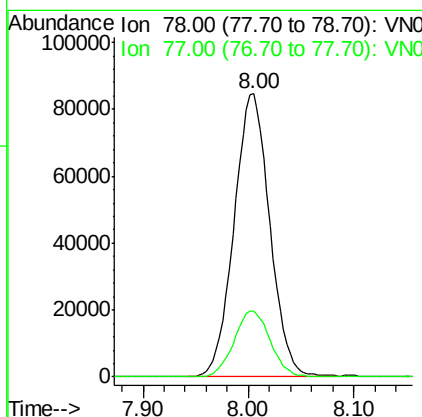
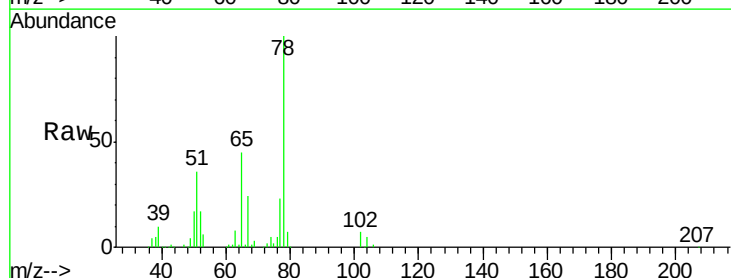
Acq: 8 Jul 2020 22:46

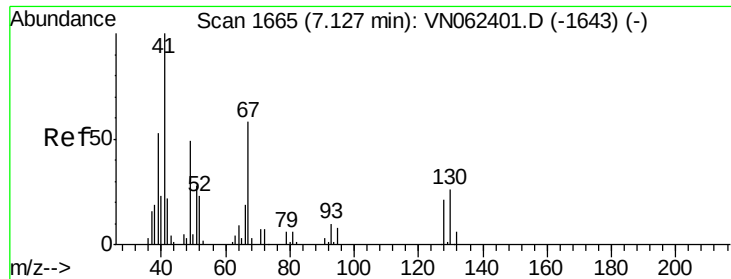
Tgt Ion: 78 Resp: 199203

Ion Ratio Lower Upper

78 100

77 23.2 18.7 28.1





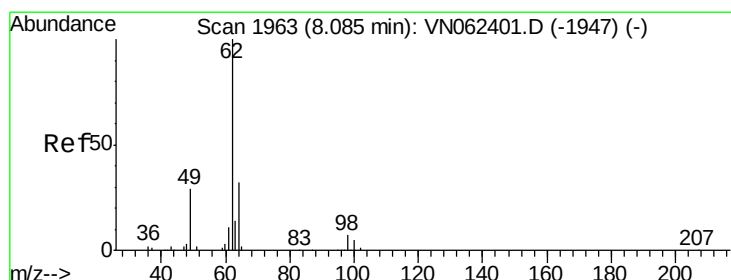
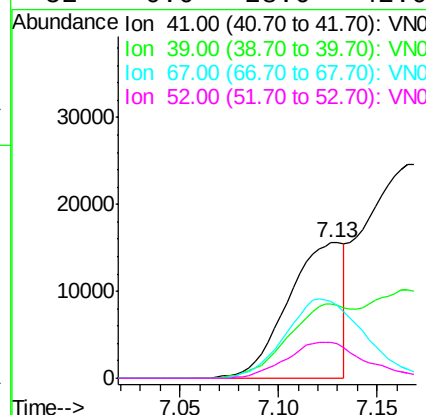
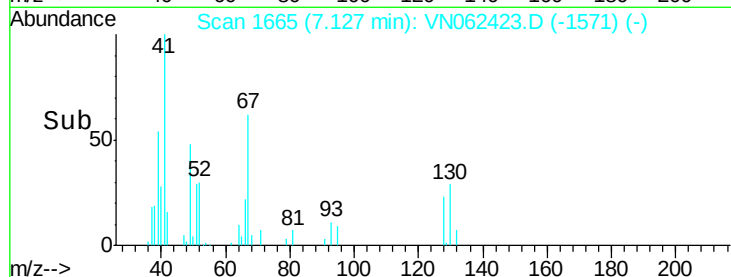
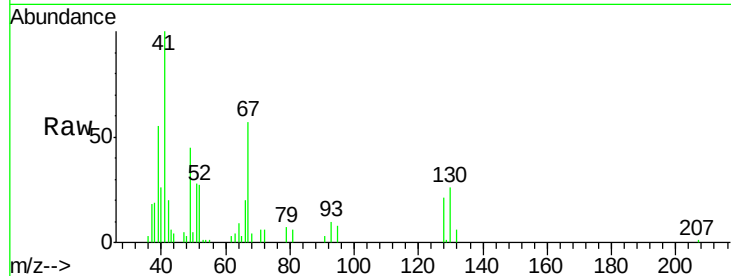
#41
Methacrylonitrile
Concen: 18.854 ug/l m
RT: 7.13 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VN062423.D
Acq: 8 Jul 2020 22:46

Instrument :
MSVOA_N
ClientSampled :
VN0708WBS02

Tot Ion	41	Resp	30947
Ion	Ratio	Lower	Upper
41	100		
39	0.0	50.2	75.2#
67	0.0	64.2	96.2#
52	0.0	28.0	42.0#

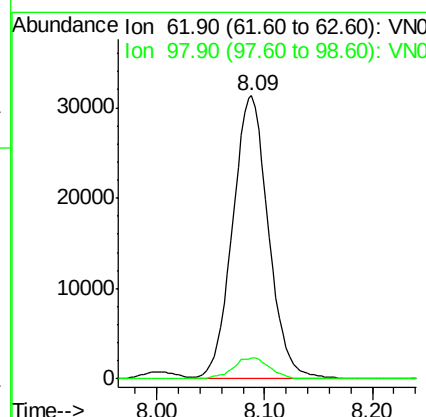
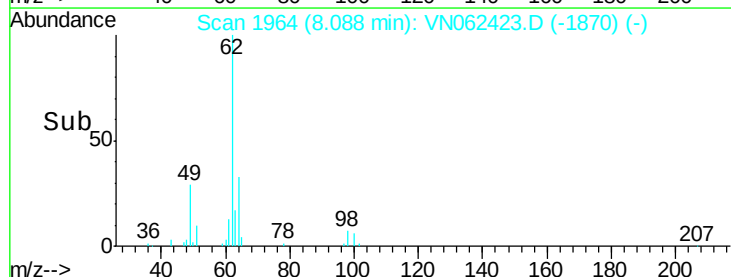
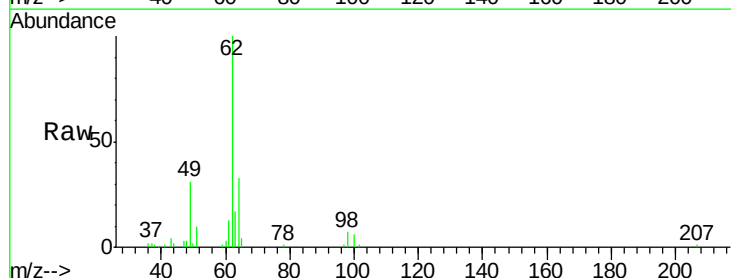
Manual Integrations
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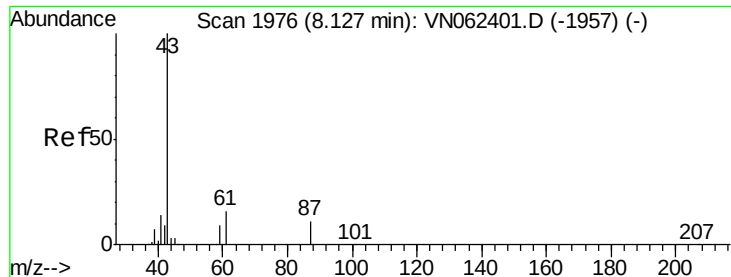
MMDadoda
7/9/2020 10:58:42 AM



#42
1,2-Dichloroethane
Concen: 19.979 ug/l
RT: 8.09 min Scan# 1964
Delta R.T. 0.00 min
Lab File: VN062423.D
Acq: 8 Jul 2020 22:46

Tgt Ion	62	Resp	72440
Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	15.8





#43

Isopropyl Acetate

Concen: 19.343 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN062423.D

Acq: 8 Jul 2020 22:46

Instrument :

MSVOA_N

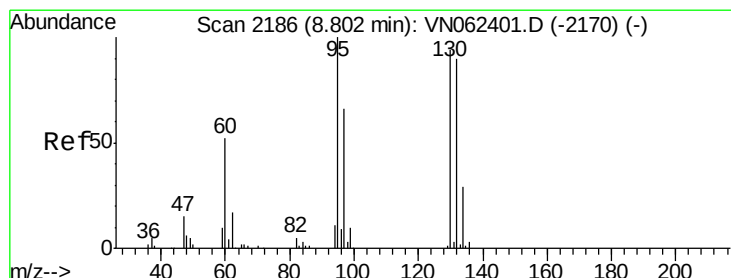
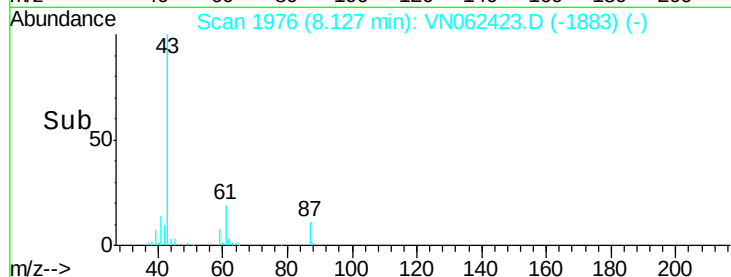
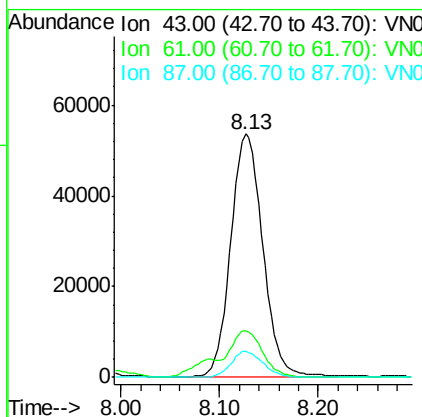
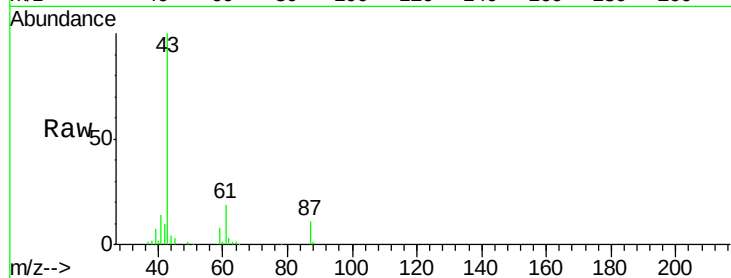
ClientSampled :

VN0708WBS02

Tot Ion:	43	Resp:	120047
Ion Ratio		Lower	Upper
43	100		
61	19.2	19.3	28.9#
87	10.7	8.6	13.0

Manual Integrations
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MMDadoda
7/9/2020 10:58:42 AM



#44

Trichloroethene

Concen: 20.405 ug/l

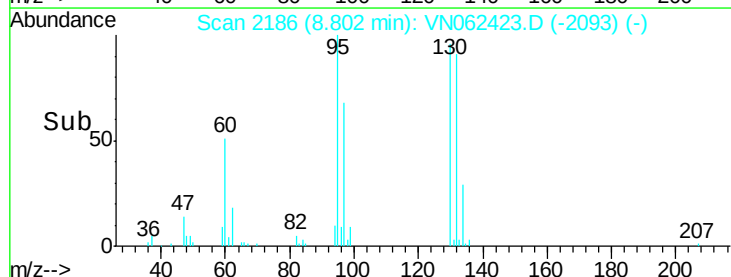
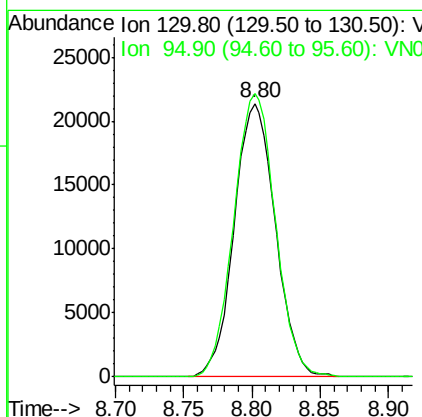
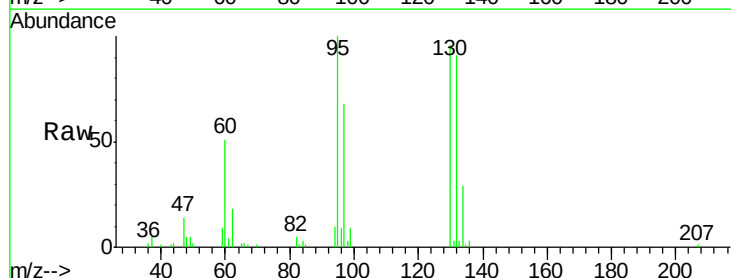
RT: 8.80 min Scan# 2186

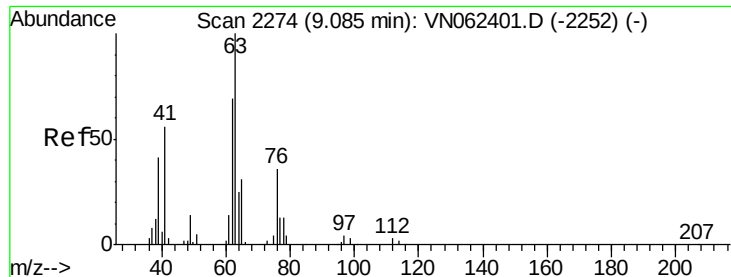
Delta R.T. -0.00 min

Lab File: VN062423.D

Acq: 8 Jul 2020 22:46

Tgt Ion:	130	Resp:	44830
Ion Ratio		Lower	Upper
130	100		
95	103.6	0.0	213.8





#45

1,2-Dichloropropane

Concen: 19.945 ug/l

RT: 9.08 min Scan# 2274

Delta R.T. -0.00 min

Lab File: VN062423.D

Acq: 8 Jul 2020 22:46

Instrument :

MSVOA_N

ClientSampled :

VN0708WBS02

Tot Ion: 63 Resp: 57332

Ion Ratio Lower Upper

63 100

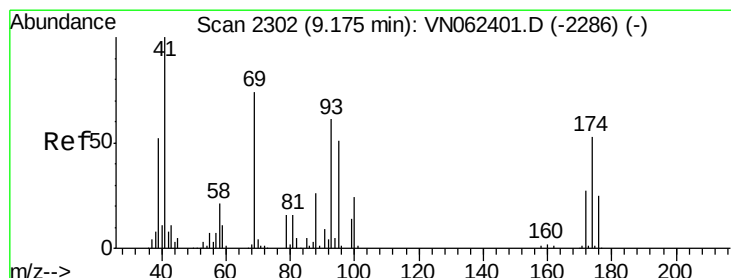
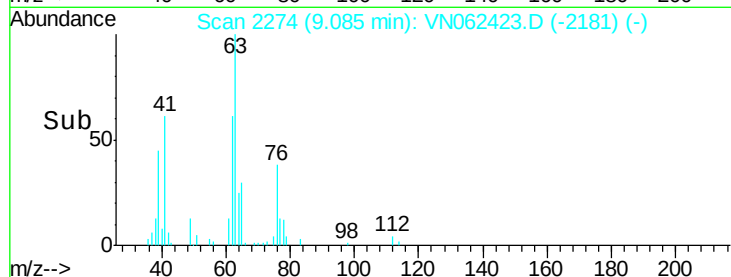
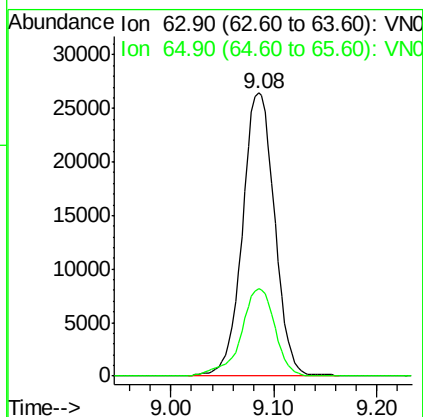
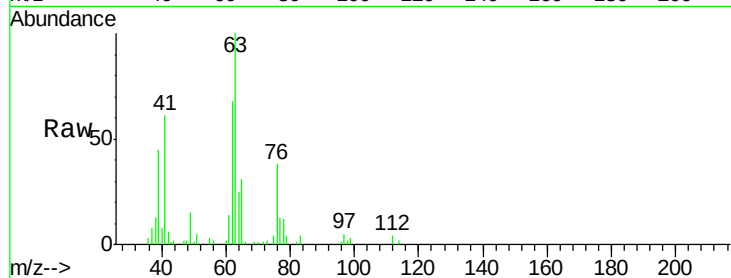
65 30.9 24.6 36.8

Manual Integrations

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MMDadoda

7/9/2020 10:58:42 AM



#46

Dibromomethane

Concen: 19.856 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. 0.00 min

Lab File: VN062423.D

Acq: 8 Jul 2020 22:46

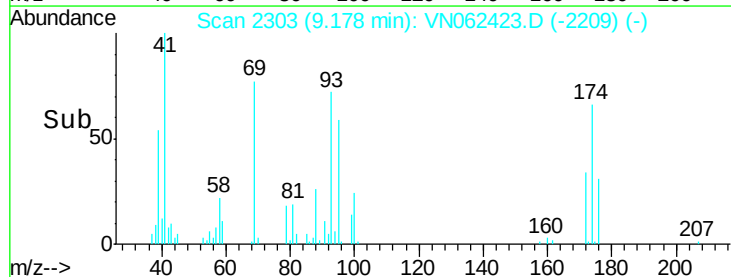
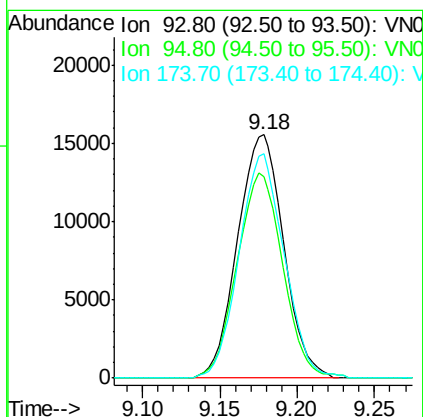
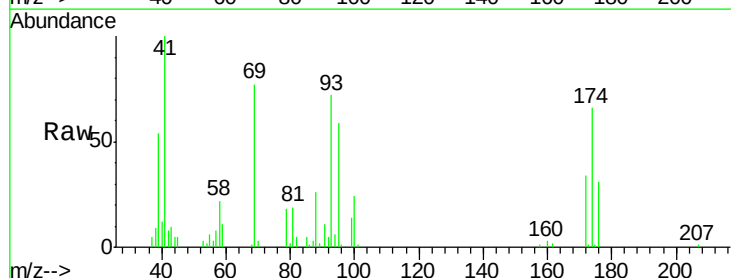
Tgt Ion: 93 Resp: 32209

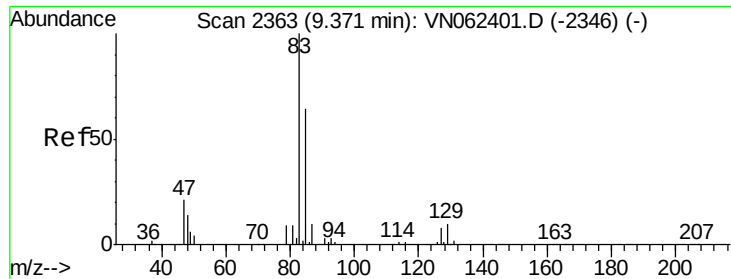
Ion Ratio Lower Upper

93 100

95 83.5 67.1 100.7

174 90.1 70.4 105.6





#47

Bromodichloromethane

Concen: 19.774 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. -0.00 min

Lab File: VN062423.D

Acq: 8 Jul 2020 22:46

Instrument :

MSVOA_N

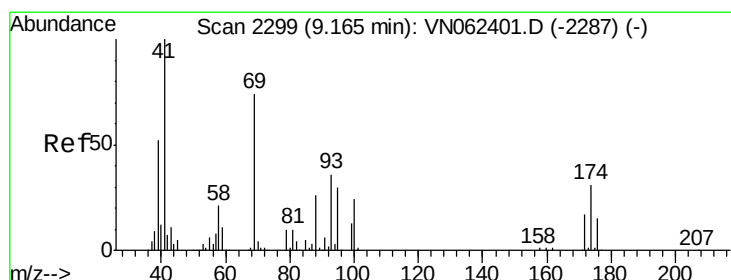
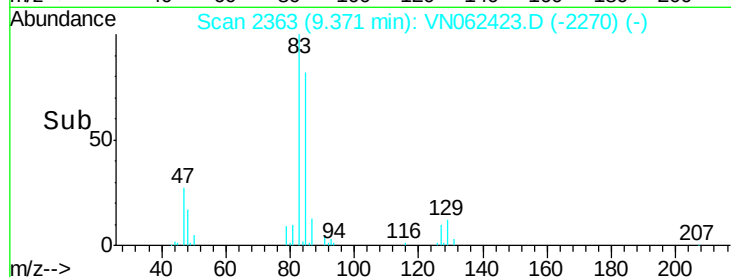
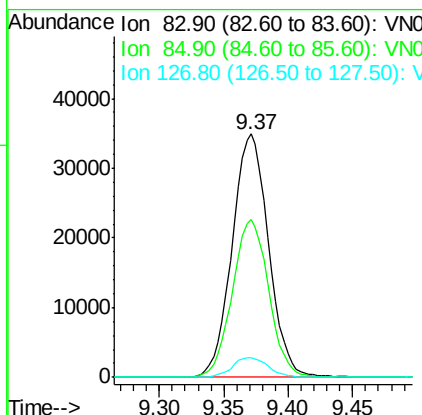
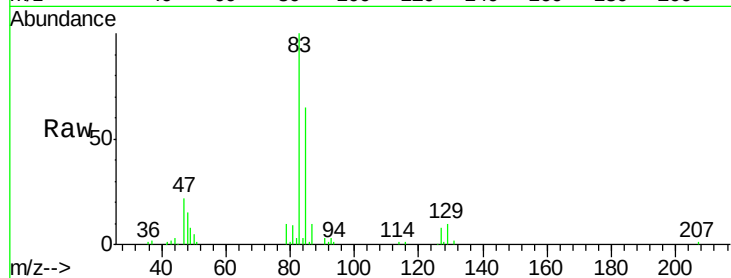
ClientSampleId :

VN0708WBS02

Tot Ion:	83	Resp:	68580
Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.2	76.8
127	8.1	6.2	9.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.824 ug/l

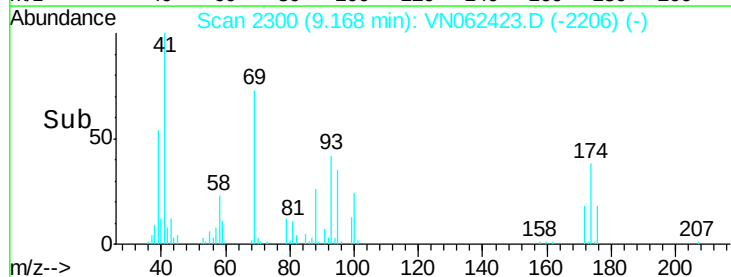
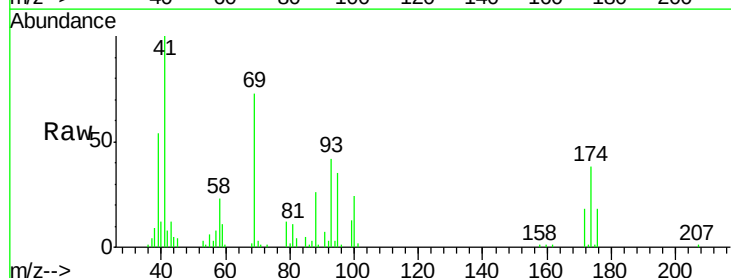
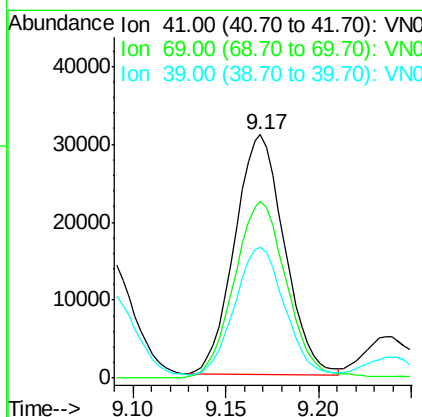
RT: 9.17 min Scan# 2300

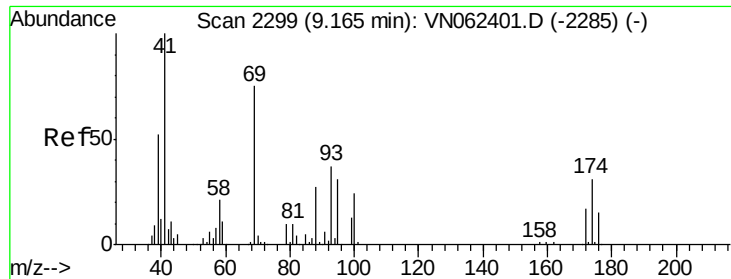
Delta R.T. 0.00 min

Lab File: VN062423.D

Acq: 8 Jul 2020 22:46

Tgt Ion:	41	Resp:	57305
Ion	Ratio	Lower	Upper
41	100		
69	77.9	60.8	91.2
39	55.4	43.5	65.3





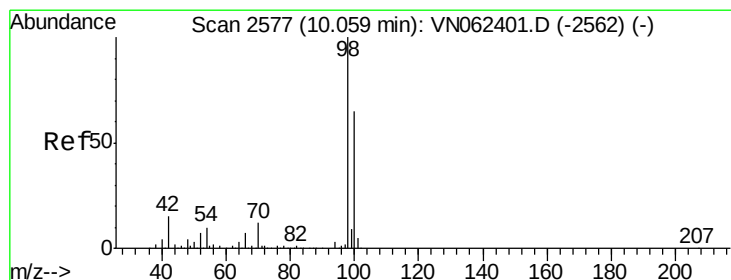
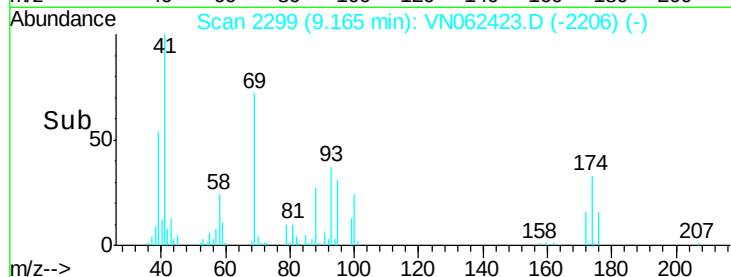
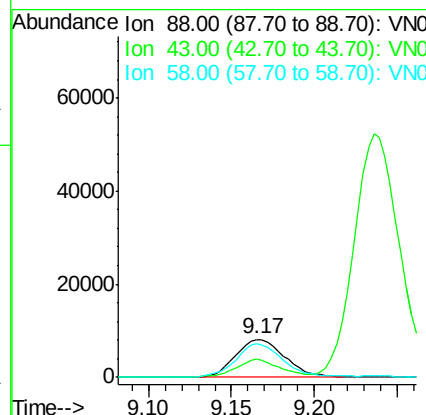
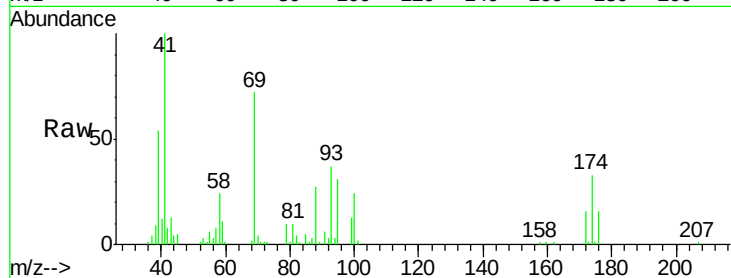
#49
1,4-Dioxane
Concen: 382.574 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN062423.D
Acq: 8 Jul 2020 22:46

Instrument :
MSVOA_N
ClientSampleId :
VN0708WBS02

Tot Ion	Ratio	Resp	Lower	Upper
88	100	16952		
43	42.8		31.0	46.4
58	85.5		63.3	94.9

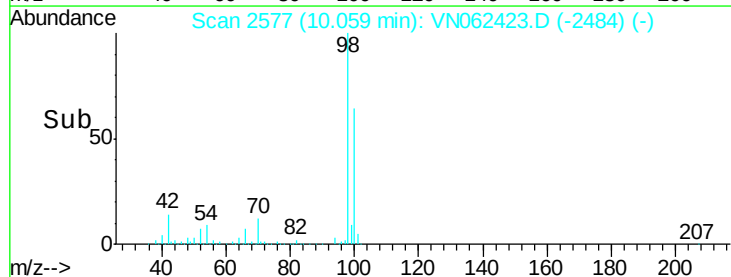
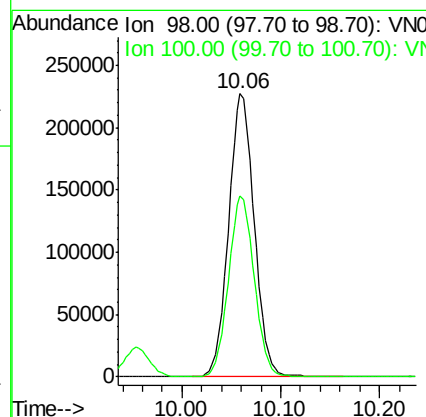
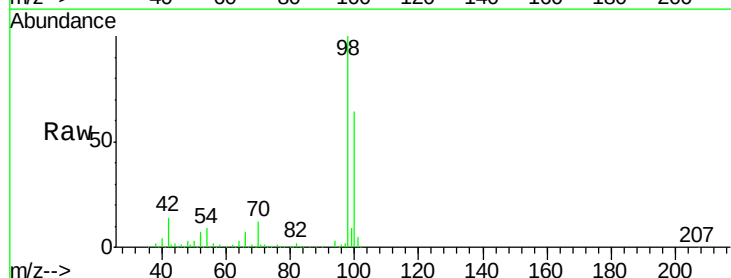
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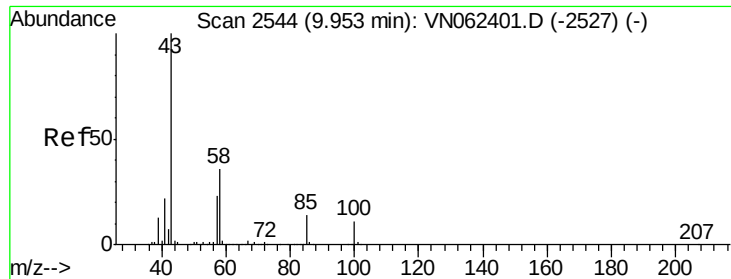
MMDadoda
7/9/2020 10:58:42 AM



#50
Toluene-d8
Concen: 50.840 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062423.D
Acq: 8 Jul 2020 22:46

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	413721		
100	64.4		51.5	77.3





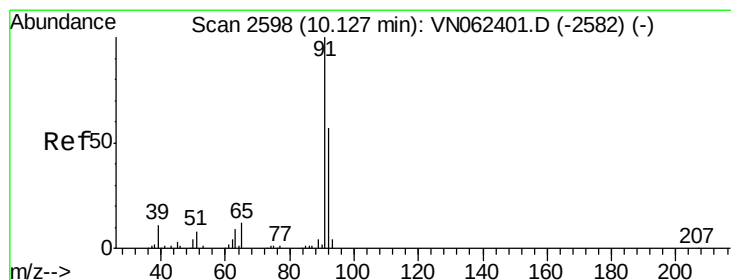
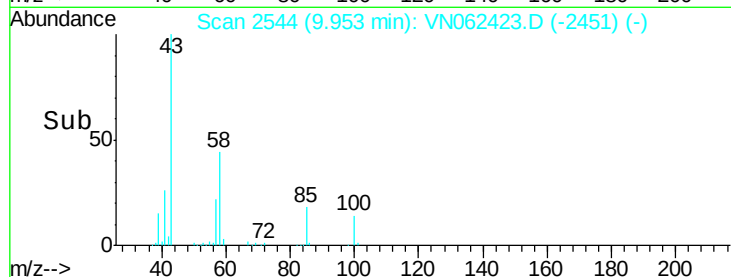
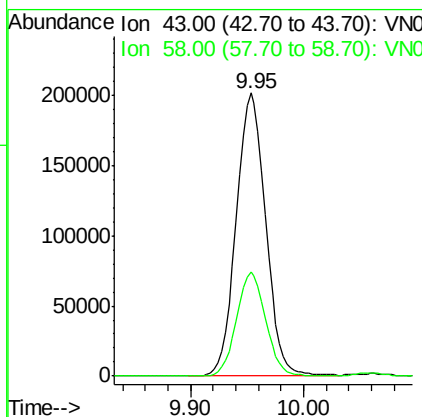
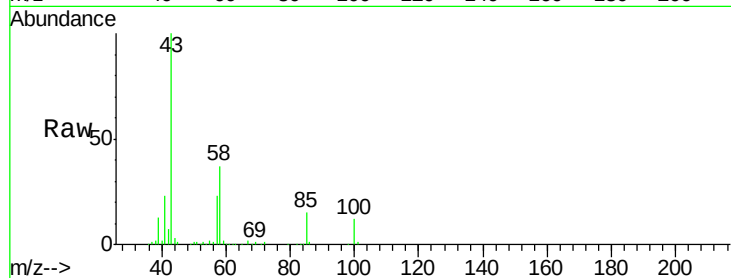
#51
4-Methyl-2-Pentanone
Concen: 98.991 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. -0.00 min
Lab File: VN062423.D
Acq: 8 Jul 2020 22:46

Instrument :
MSVOA_N
ClientSampleId :
VN0708WBS02

Tot Ion	43	Resp	366940
Ion Ratio	43	100	
Lower	58	36.3	29.0
Upper			43.6

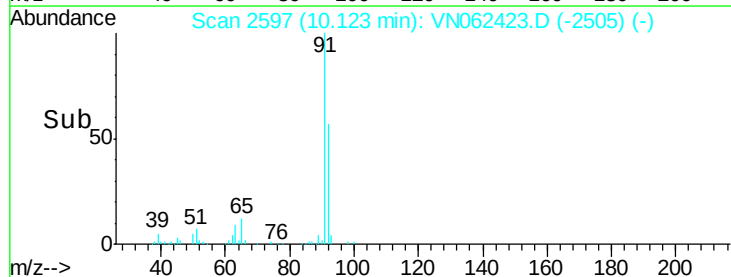
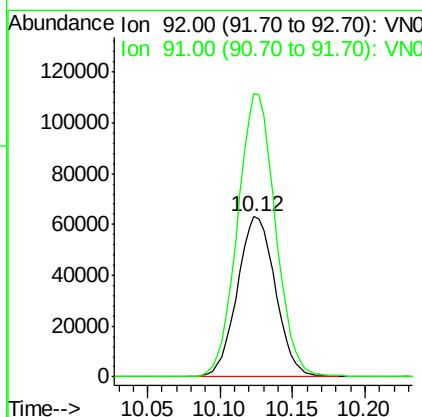
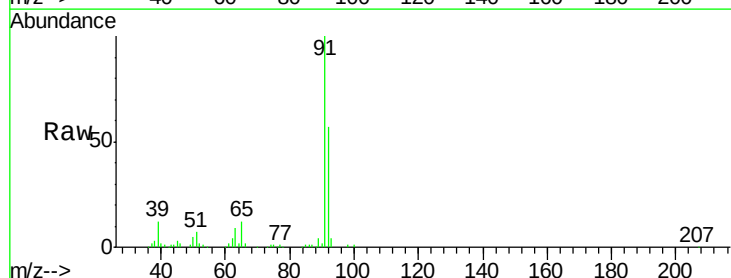
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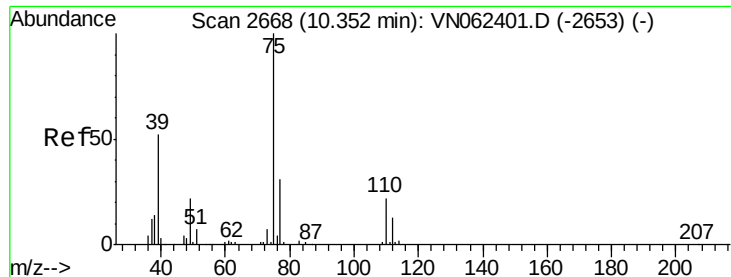
MMDadoda
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#52
Toluene
Concen: 20.203 ug/l
RT: 10.12 min Scan# 2597
Delta R.T. -0.00 min
Lab File: VN062423.D
Acq: 8 Jul 2020 22:46

Tgt Ion	92	Resp	115554
Ion Ratio	92	100	
Lower	91	175.6	141.0
Upper			211.6





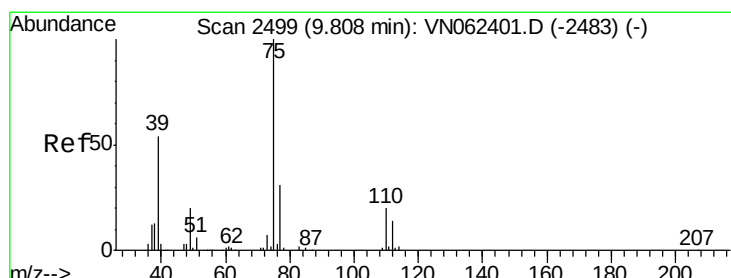
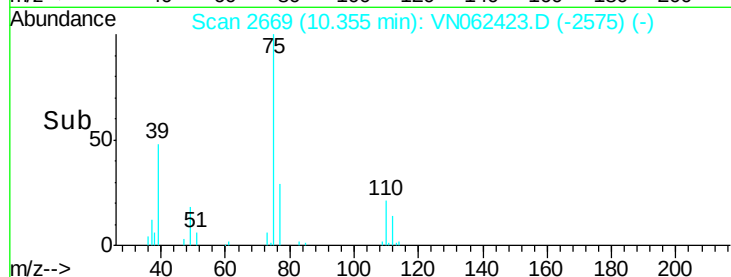
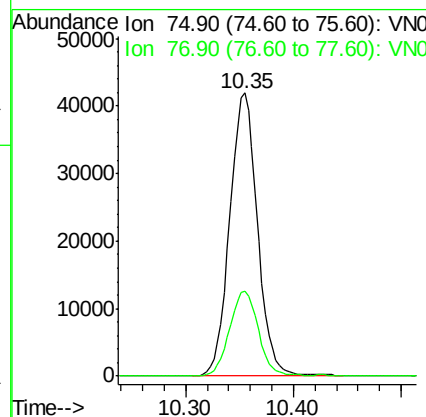
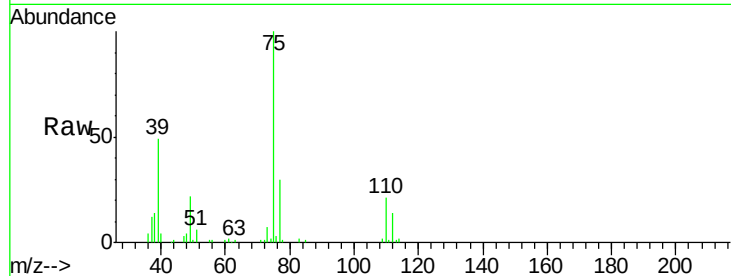
#53
t-1,3-Dichloropropene
Concen: 19.393 ug/l
RT: 10.35 min Scan# 2669
Delta R.T. 0.00 min
Lab File: VN062423.D
Acq: 8 Jul 2020 22:46

Instrument :
MSVOA_N
ClientSampleId :
VN0708WBS02

Tot Ion: 75 Resp: 75352
Ion Ratio Lower Upper
75 100
77 29.8 25.2 37.8

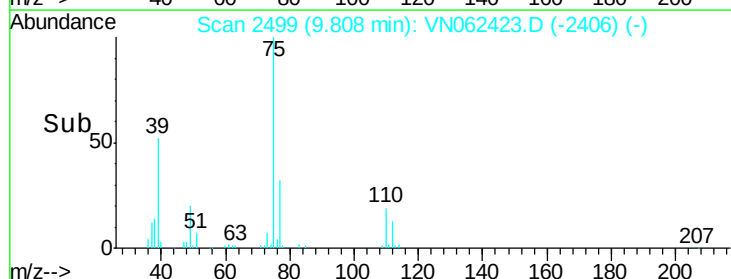
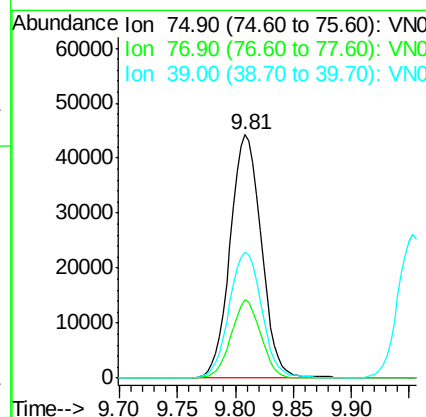
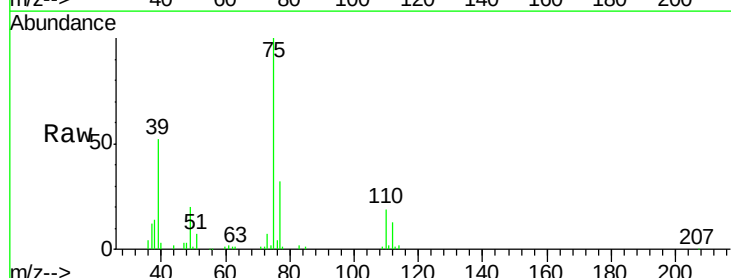
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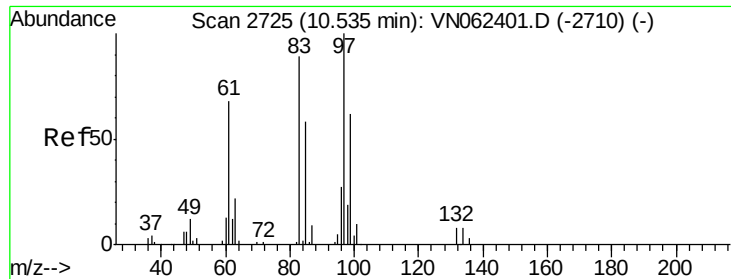
MMDadoda
7/9/2020 10:58:42 AM



#54
cis-1,3-Dichloropropene
Concen: 19.312 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VN062423.D
Acq: 8 Jul 2020 22:46

Tgt Ion: 75 Resp: 82793
Ion Ratio Lower Upper
75 100
77 32.0 24.5 36.7
39 51.6 43.4 65.0





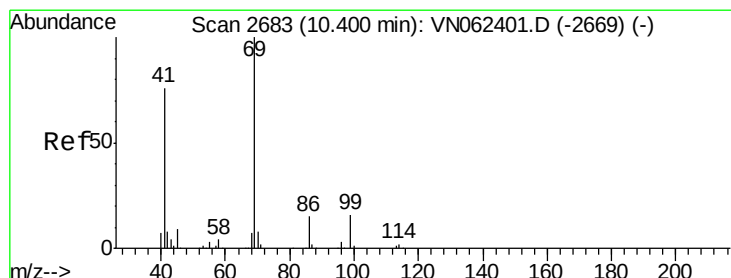
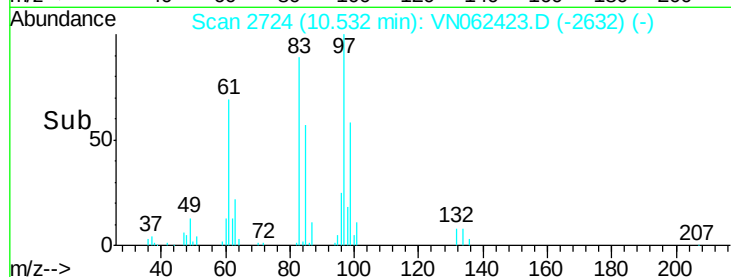
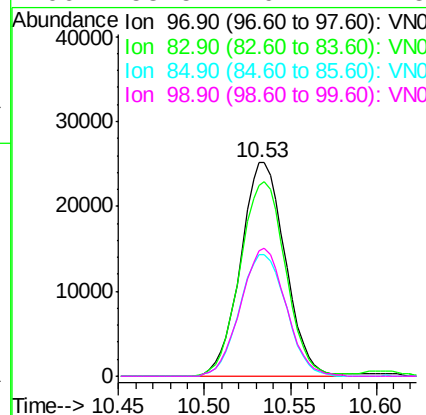
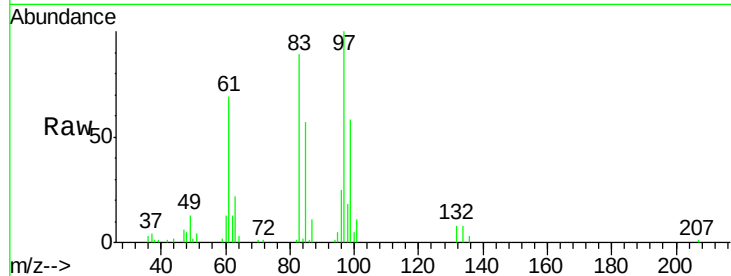
#55
 1,1,2-Trichloroethane
 Concen: 20.132 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN062423.D
 Acq: 8 Jul 2020 22:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0708WBS02

Tot Ion:	97	Resp:	45287
Ion	Ratio	Lower	Upper
97	100		
83	89.2	71.0	106.4
85	56.8	46.2	69.4
99	58.5	49.7	74.5

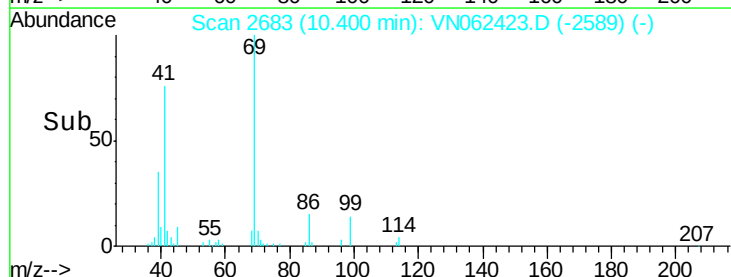
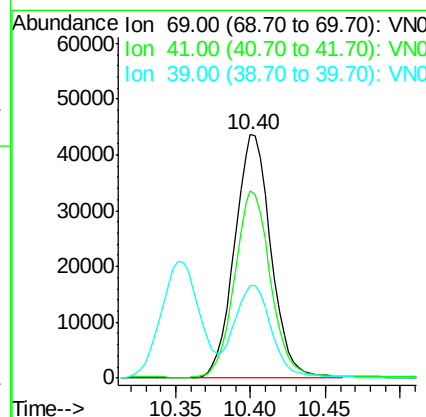
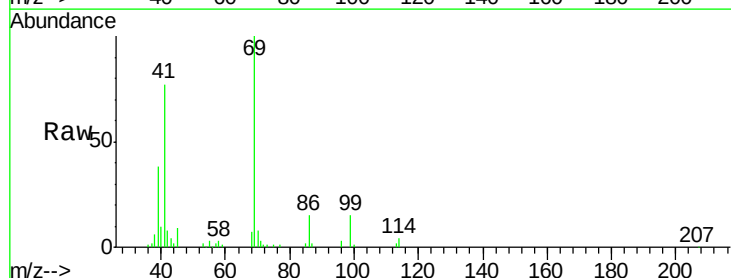
Manual Integrations
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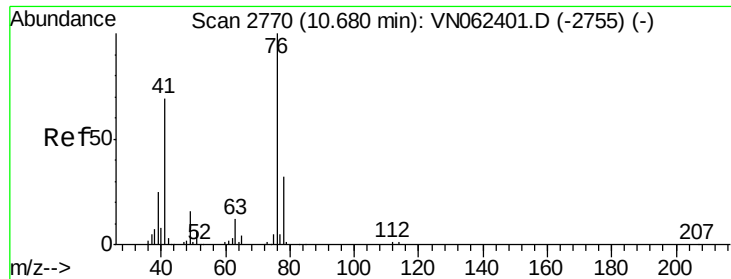
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#56
 Ethyl methacrylate
 Concen: 19.001 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN062423.D
 Acq: 8 Jul 2020 22:46

Tgt Ion:	69	Resp:	74111
Ion	Ratio	Lower	Upper
69	100		
41	76.4	59.7	89.5
39	38.9	30.6	45.8





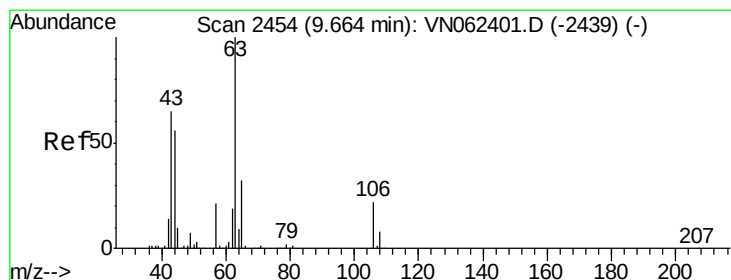
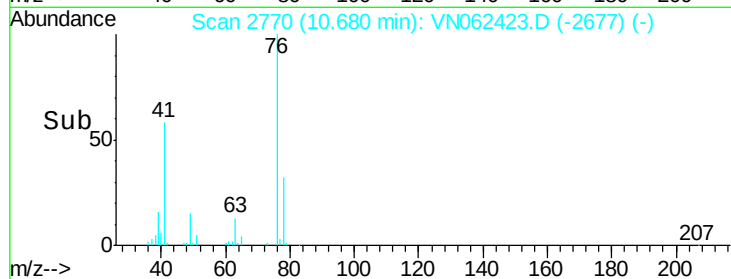
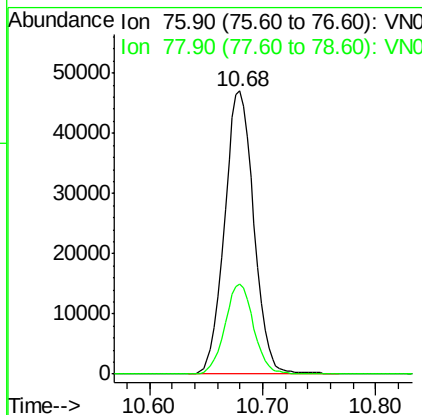
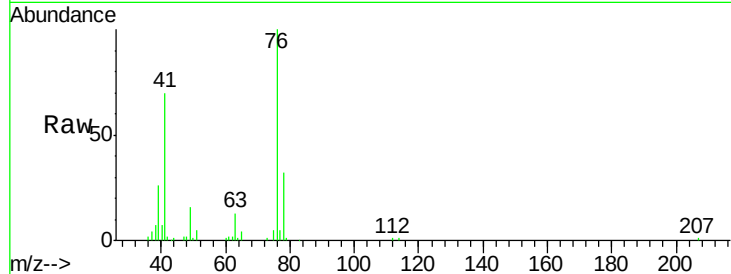
#57
 1,3-Dichloropropane
 Concen: 20.383 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. -0.00 min
 Lab File: VN062423.D
 Acq: 8 Jul 2020 22:46

Instrument :
 MSVOA_N
 ClientSampled :
 VN0708WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.0	25.6	38.4

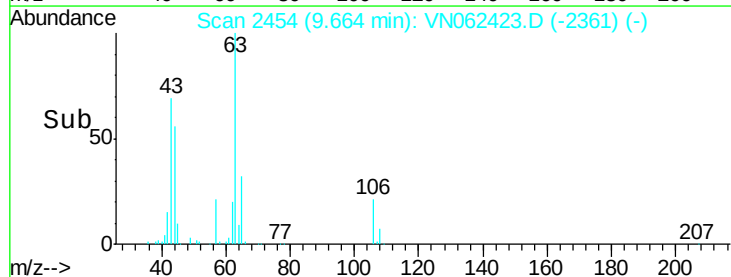
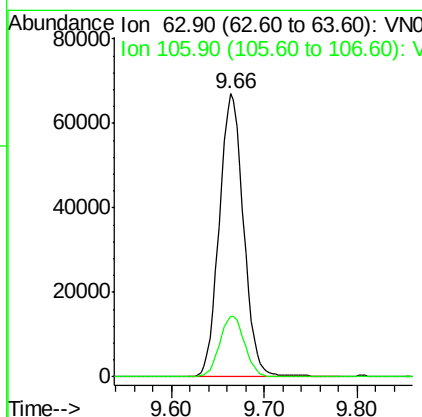
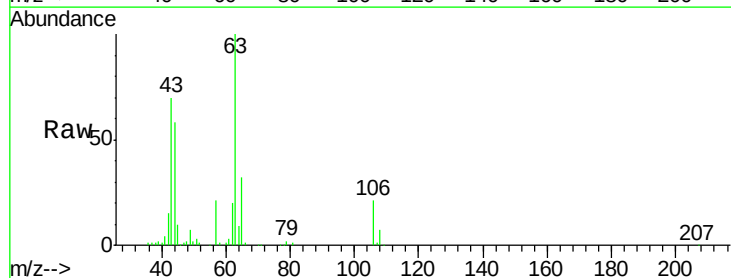
Manual Integrations
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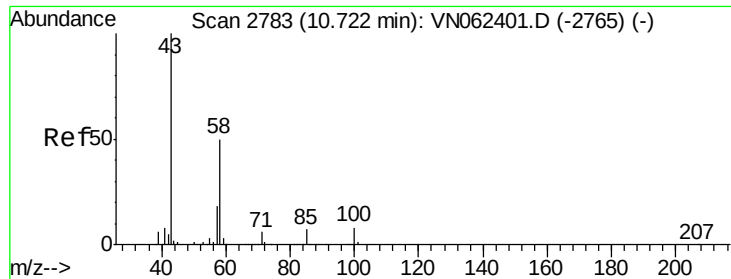
MMDadoda
 7/9/2020 10:58:42 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 91.478 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. -0.00 min
 Lab File: VN062423.D
 Acq: 8 Jul 2020 22:46

Tgt Ion	Ratio	Lower	Upper
63	100		
106	21.8	17.6	26.4





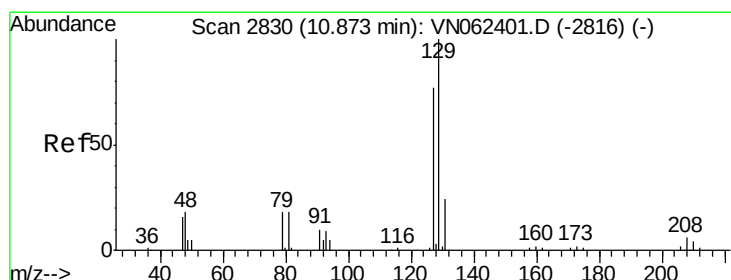
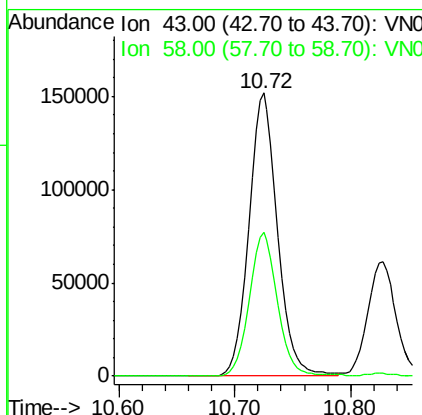
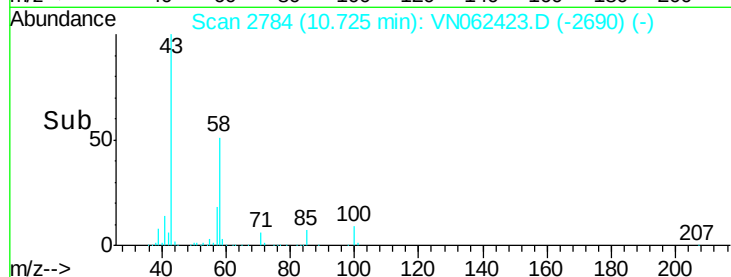
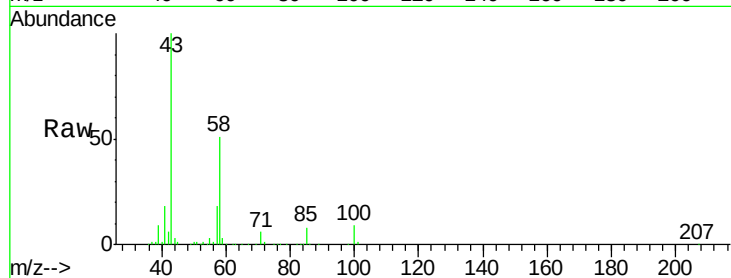
#59
2-Hexanone
Concen: 97.082 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN062423.D
Acq: 8 Jul 2020 22:46

Instrument :
MSVOA_N
ClientSampleId :
VN0708WBS02

Tot Ion: 43 Resp: 261253
Ion Ratio Lower Upper
43 100
58 50.2 25.1 75.2

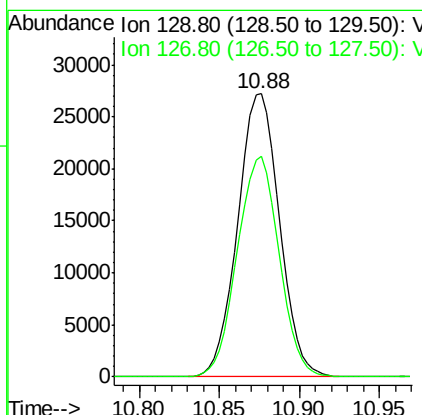
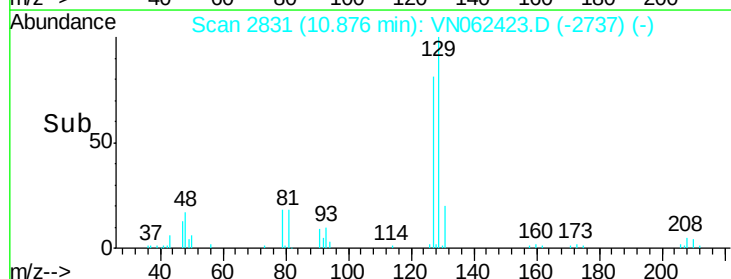
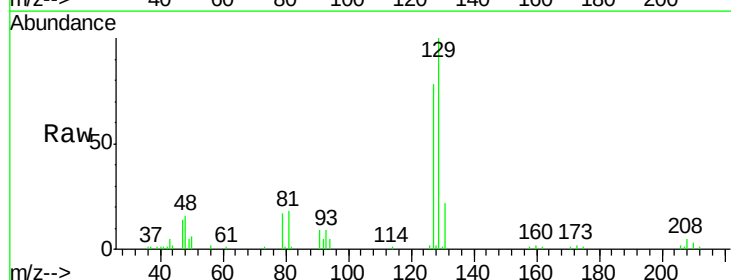
Manual Integrations
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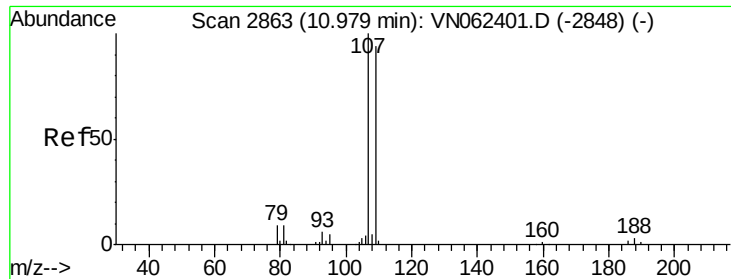
MMDadoda
7/9/2020 10:58:42 AM



#60
Dibromochloromethane
Concen: 19.885 ug/l
RT: 10.88 min Scan# 2831
Delta R.T. 0.00 min
Lab File: VN062423.D
Acq: 8 Jul 2020 22:46

Tgt Ion: 129 Resp: 48502
Ion Ratio Lower Upper
129 100
127 78.1 38.6 115.8





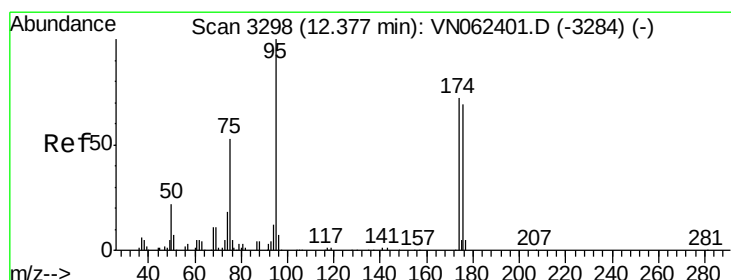
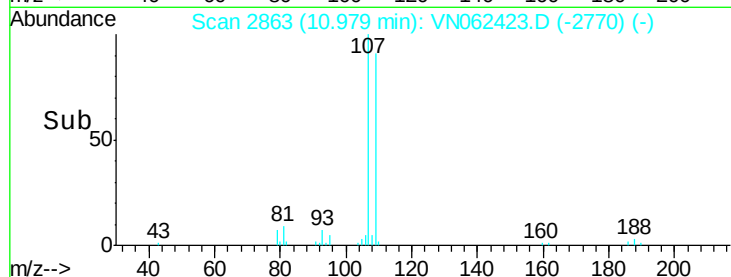
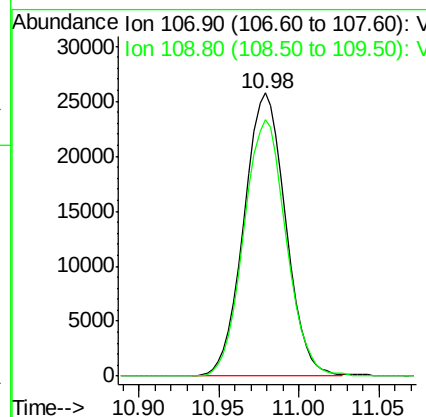
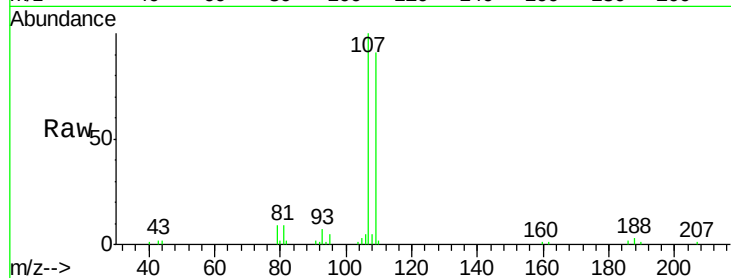
#61
 1,2-Dibromoethane
 Concen: 20.208 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VN062423.D
 Acq: 8 Jul 2020 22:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0708WBS02

Tot Ion: 107 Resp: 45888
 Ion Ratio Lower Upper
 107 100
 109 91.7 75.6 113.4

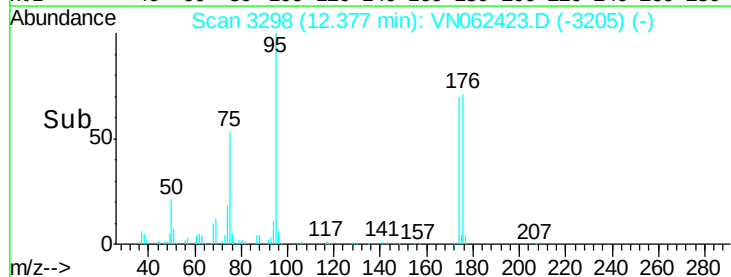
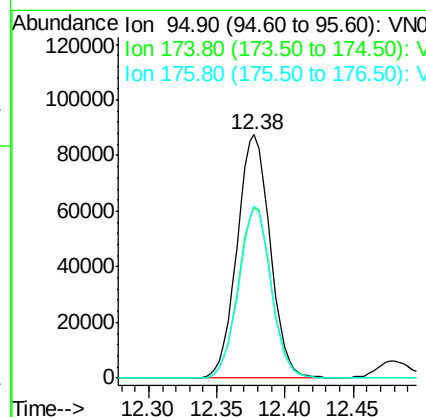
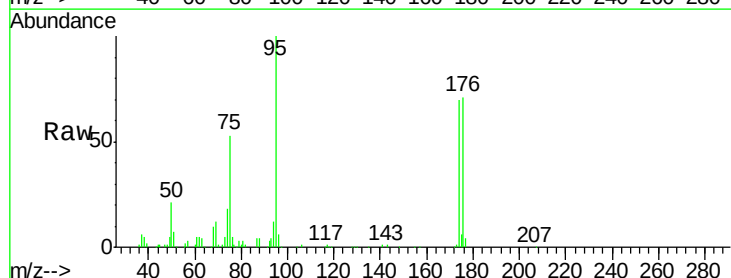
Manual Integrations
 APPROVED

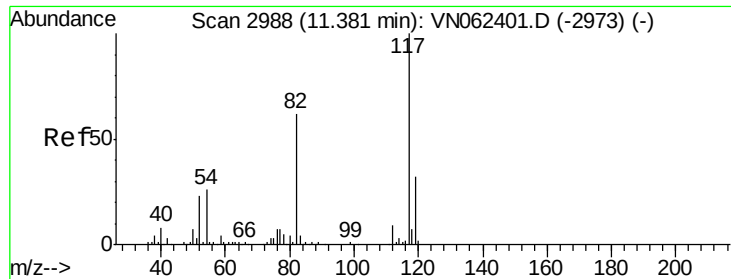
MMDadoda
 7/9/2020 10:58:42 AM



#62
 4-Bromofluorobenzene
 Concen: 49.647 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN062423.D
 Acq: 8 Jul 2020 22:46

Tgt Ion: 95 Resp: 147639
 Ion Ratio Lower Upper
 95 100
 174 69.6 0.0 141.6
 176 69.3 0.0 137.2





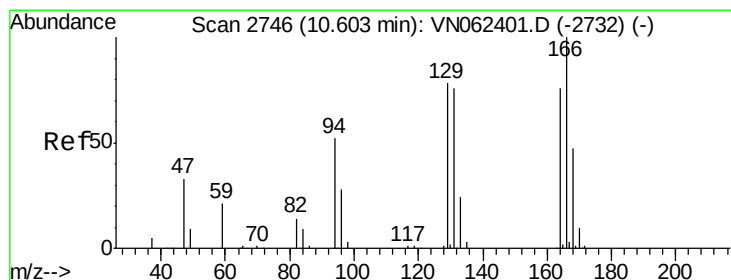
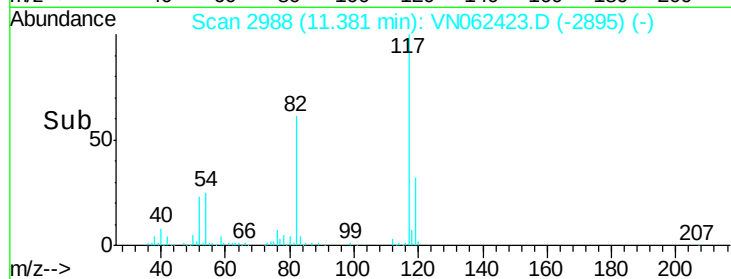
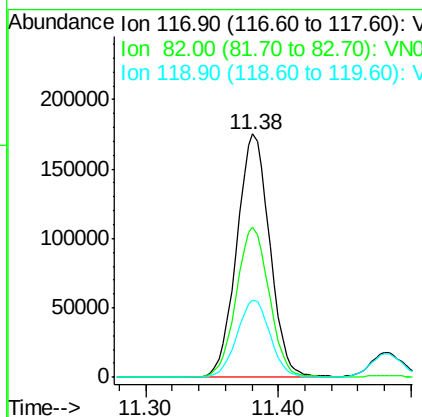
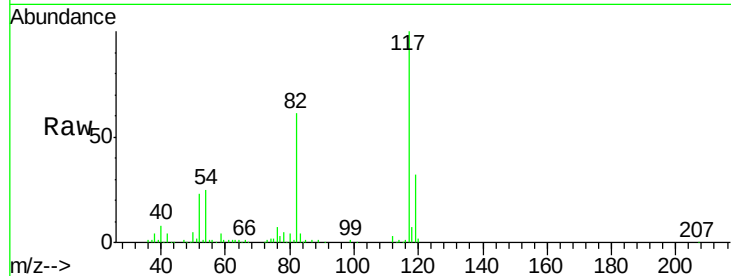
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062423.D
Acq: 8 Jul 2020 22:46

Instrument :
MSVOA_N
ClientSampleId :
VN0708WBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	303011		
82	61.4	49.6	74.4	
119	31.6	25.4	38.0	

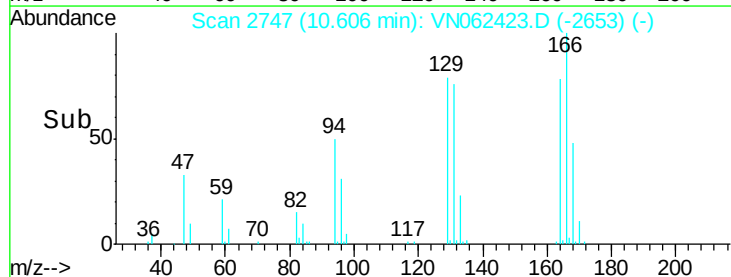
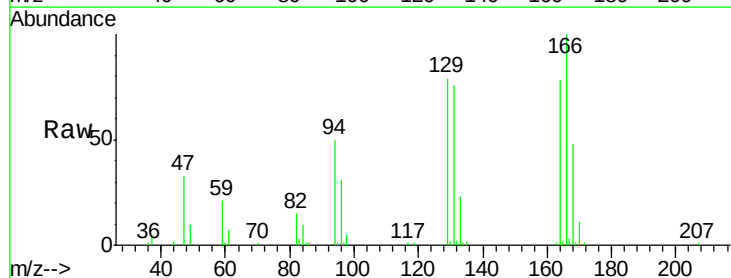
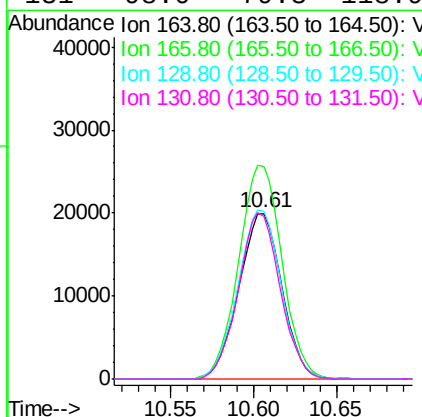
Manual Integrations
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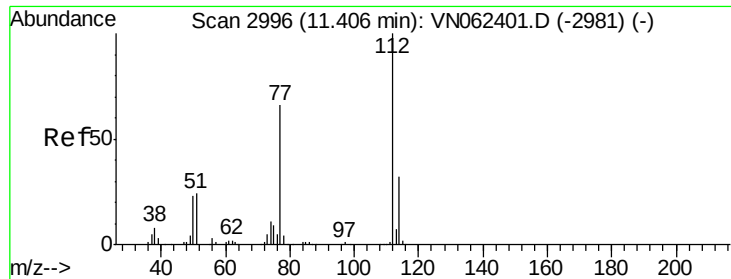
MMDadoda
7/9/2020 10:58:42 AM



#64
Tetrachloroethene
Concen: 20.026 ug/l
RT: 10.61 min Scan# 2747
Delta R.T. 0.00 min
Lab File: VN062423.D
Acq: 8 Jul 2020 22:46

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	36008		
166	128.6	104.9	157.3	
129	101.0	81.8	122.6	
131	98.0	79.3	118.9	





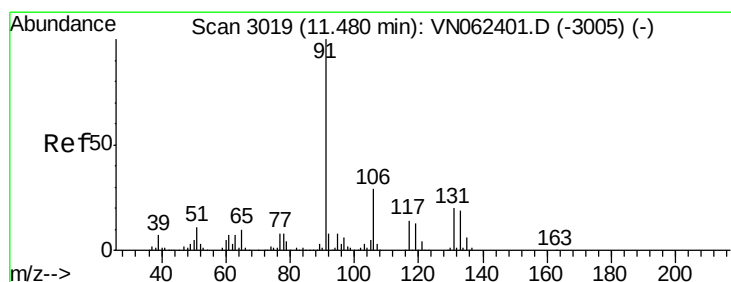
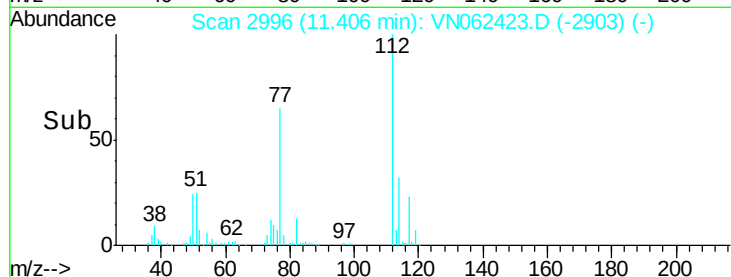
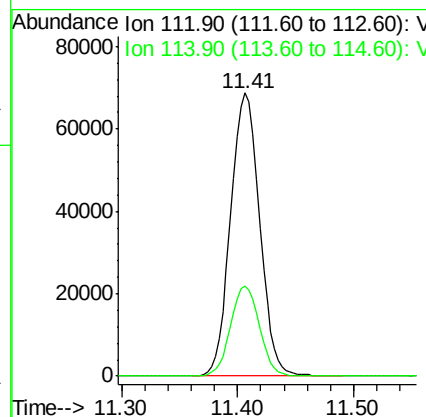
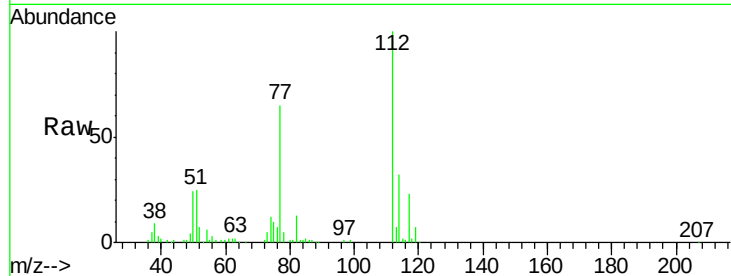
#65
Chlorobenzene
Concen: 20.237 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN062423.D
Acq: 8 Jul 2020 22:46

Instrument :
MSVOA_N
ClientSampleId :
VN0708WBS02

Tot Ion:112 Resp: 119178
Ion Ratio Lower Upper
112 100
114 31.9 25.9 38.9

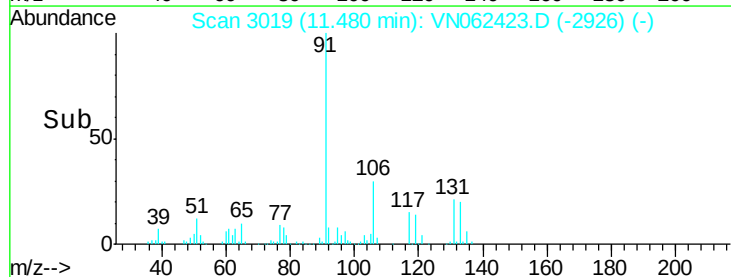
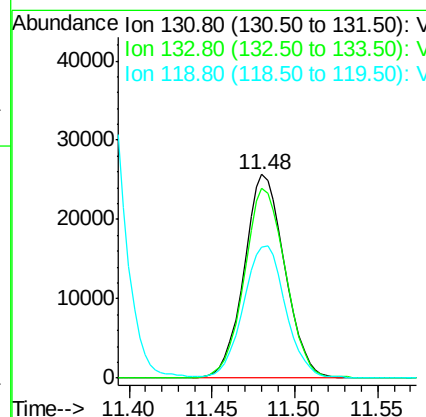
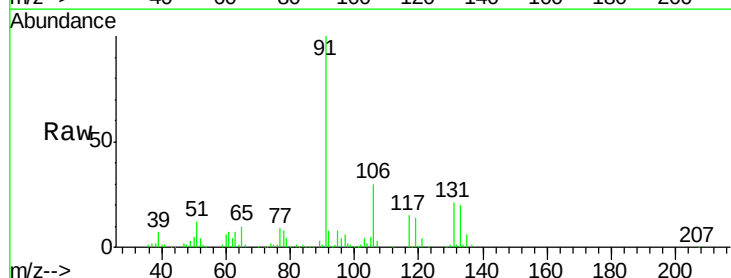
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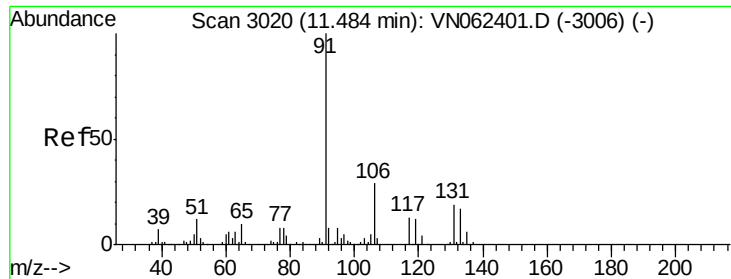
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.187 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN062423.D
Acq: 8 Jul 2020 22:46

Tgt Ion:131 Resp: 43841
Ion Ratio Lower Upper
131 100
133 94.9 46.9 140.8
119 67.7 33.2 99.6





#67

Ethyl Benzene

Concen: 19.946 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. -0.00 min

Lab File: VN062423.D

Acq: 8 Jul 2020 22:46

Instrument :

MSVOA_N

ClientSampled :

VN0708WBS02

Tot Ion: 91 Resp: 220494

Ion Ratio Lower Upper

91 100

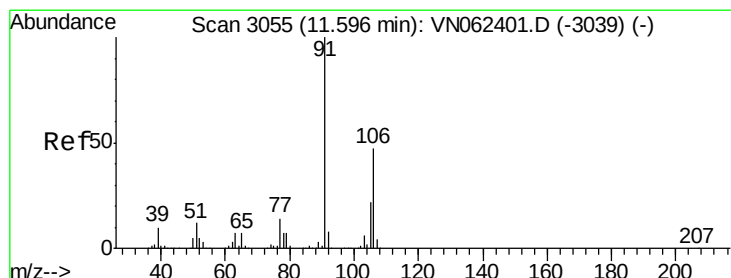
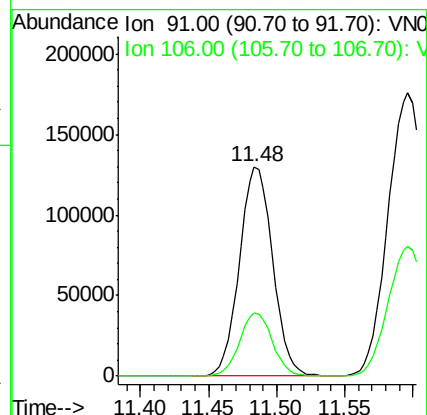
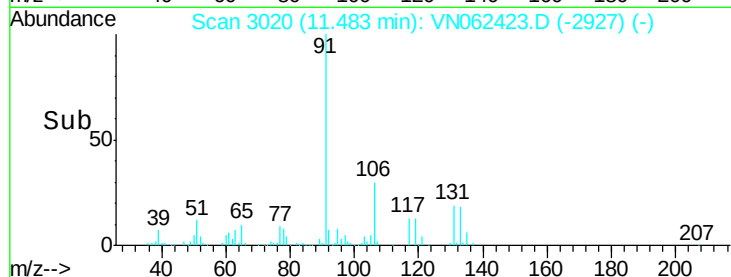
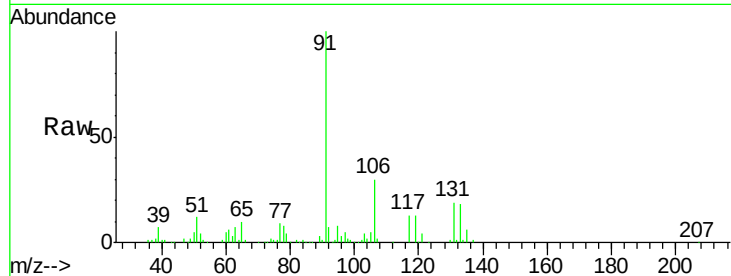
106 30.0 23.4 35.2

Manual Integrations

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#68

m/p-Xylenes

Concen: 40.265 ug/l

RT: 11.60 min Scan# 3055

Delta R.T. -0.00 min

Lab File: VN062423.D

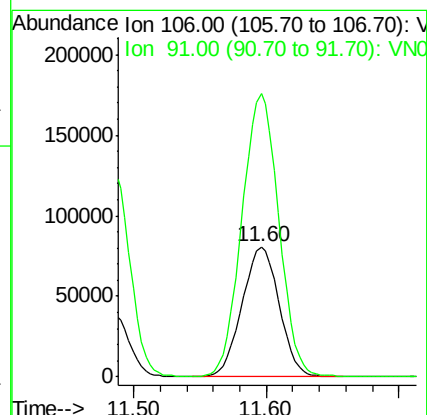
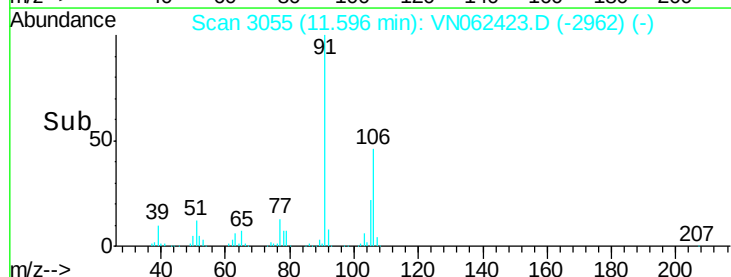
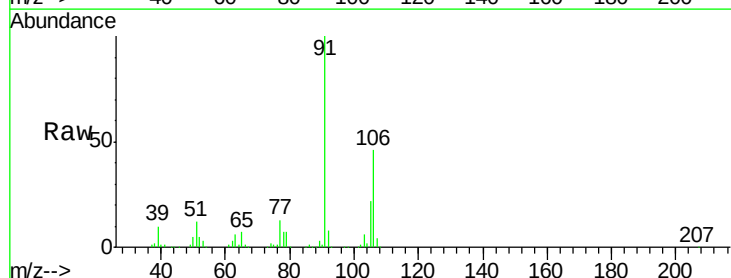
Acq: 8 Jul 2020 22:46

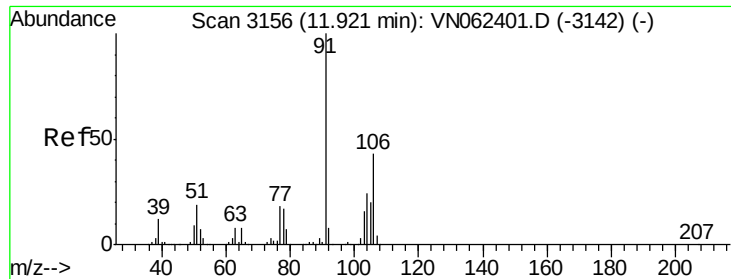
Tgt Ion: 106 Resp: 157569

Ion Ratio Lower Upper

106 100

91 216.0 172.4 258.6





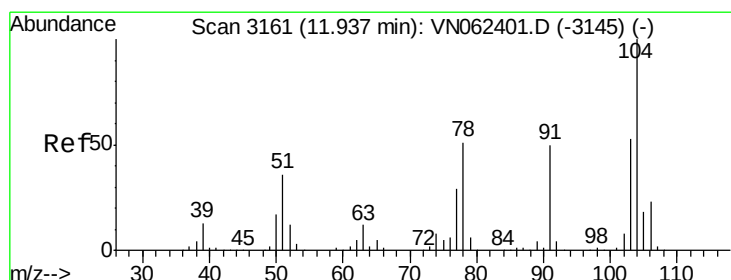
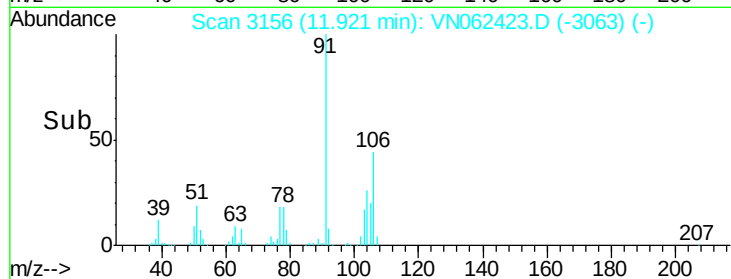
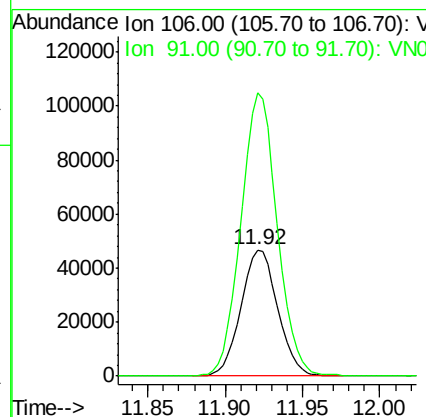
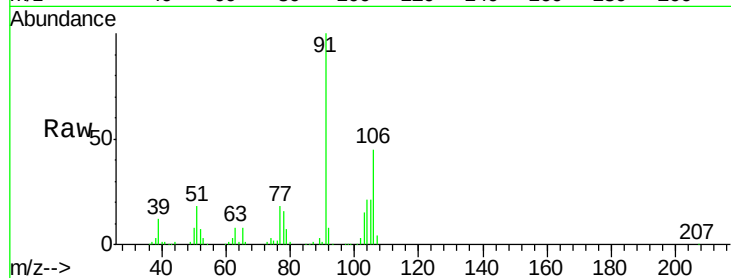
#69
o-Xylene
Concen: 20.174 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062423.D
Acq: 8 Jul 2020 22:46

Instrument :
MSVOA_N
ClientSampled :
VN0708WBS02

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	222.1	113.8	341.4	

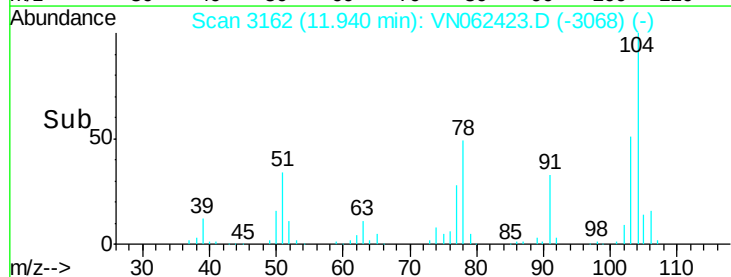
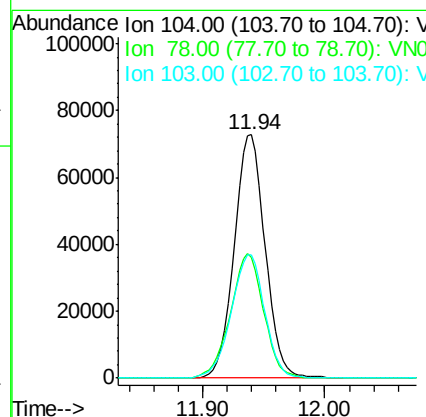
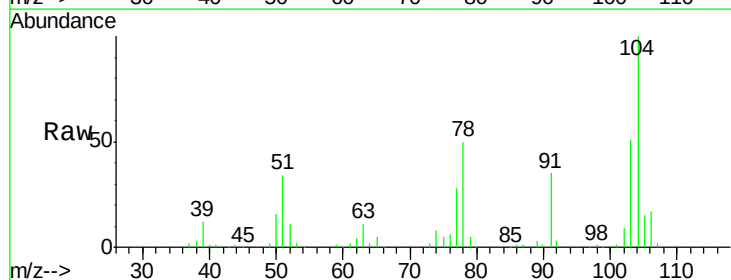
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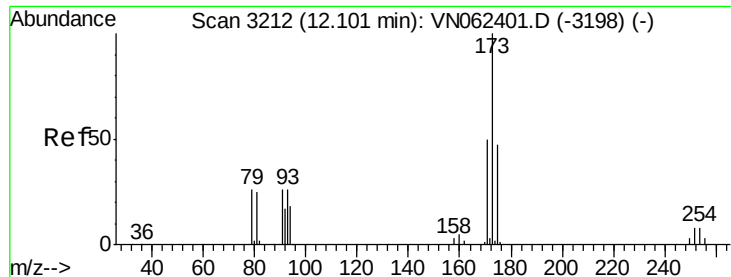
MMDadoda
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#70
Styrene
Concen: 20.406 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN062423.D
Acq: 8 Jul 2020 22:46

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	54.9	44.2	66.4	
103	55.0	44.4	66.6	





#71

Bromoform

Concen: 20.308 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN062423.D

Acq: 8 Jul 2020 22:46

Instrument :

MSVOA_N

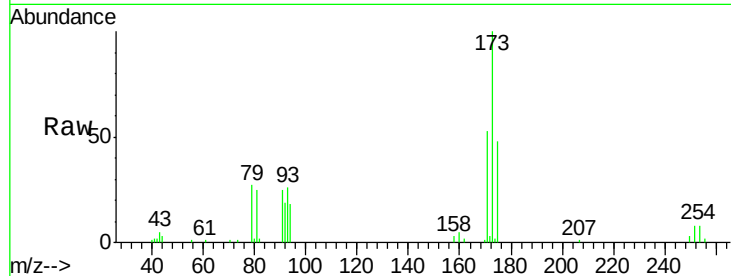
ClientSampleId :

VN0708WBS02

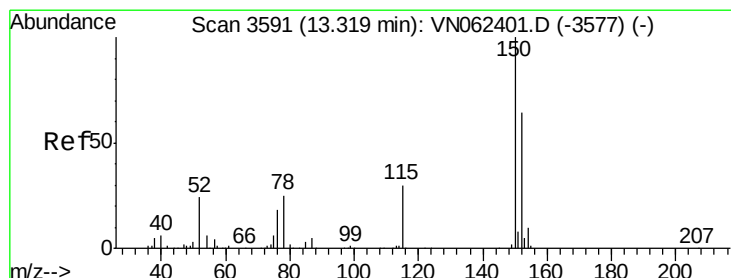
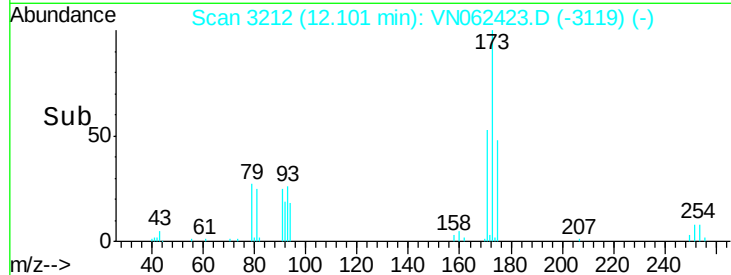
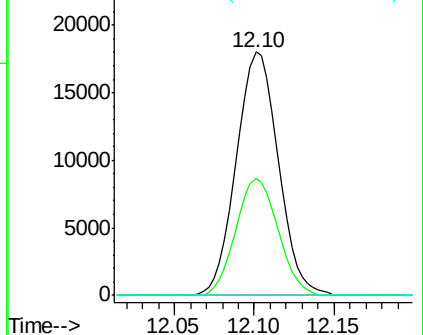
Tot Ion:	173	Resp:	32331
Ion Ratio	Lower	Upper	
173	100		
175	48.2	23.7	71.1
254	0.0	0.0	0.0

Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

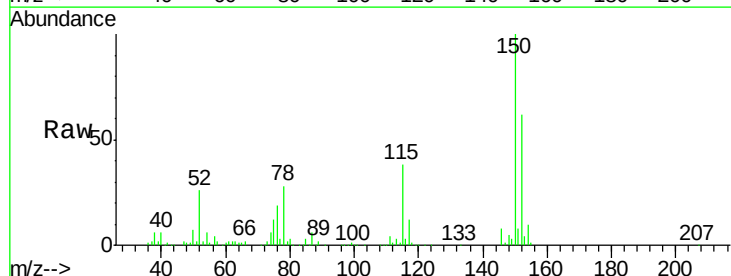
RT: 13.32 min Scan# 3591

Delta R.T. -0.00 min

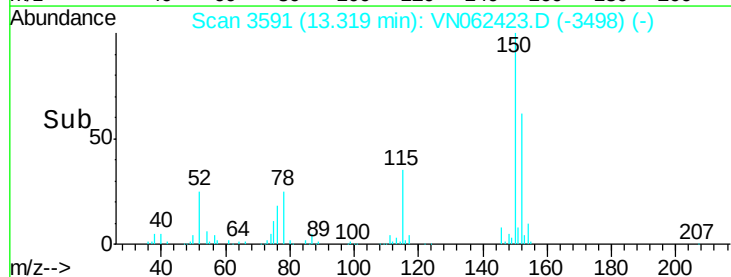
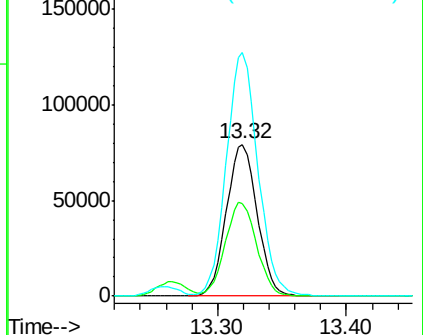
Lab File: VN062423.D

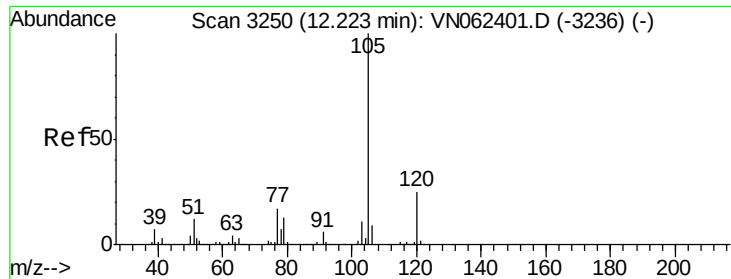
Acq: 8 Jul 2020 22:46

Tgt Ion:	152	Resp:	131419
Ion Ratio	Lower	Upper	
152	100		
115	63.1	31.4	94.2
150	164.2	0.0	347.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





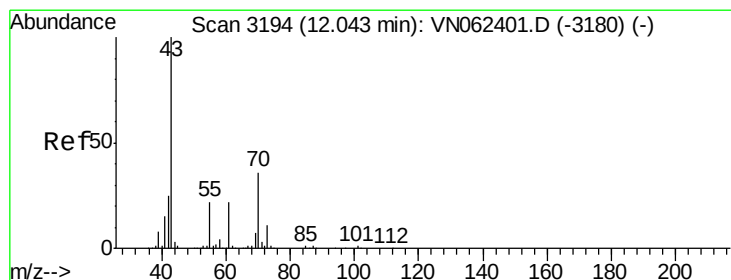
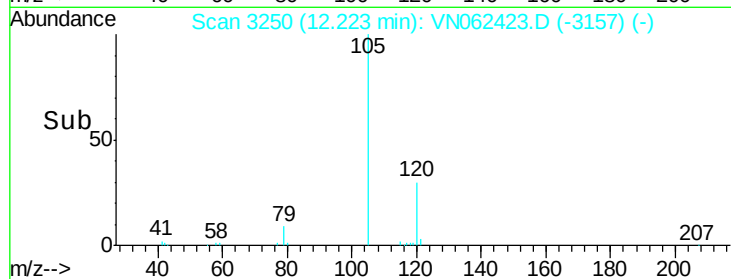
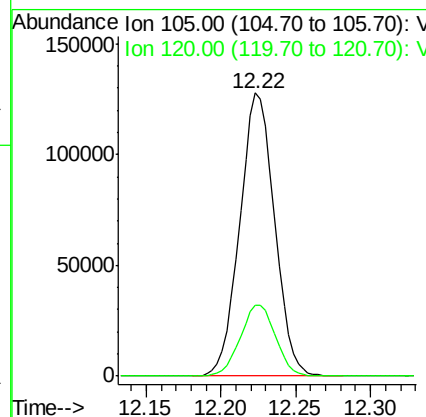
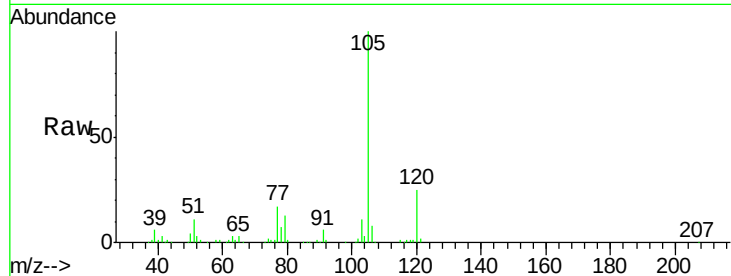
#73
Isopropylbenzene
Concen: 20.393 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VN062423.D
Acq: 8 Jul 2020 22:46

Instrument :
MSVOA_N
ClientSampled :
VN0708WBS02

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.5	12.7	38.1

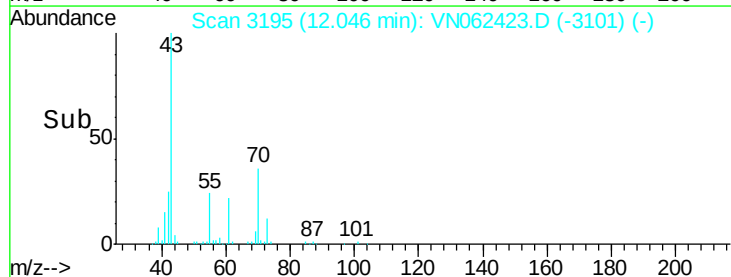
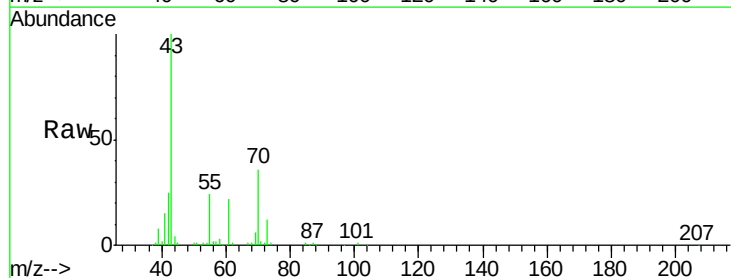
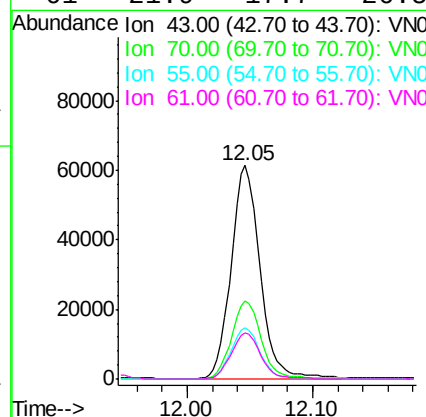
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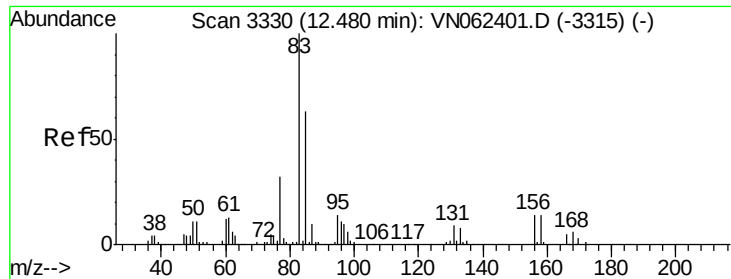
MMDadoda
7/9/2020 10:58:42 AM



#74
N-ethyl acetate
Concen: 19.891 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. 0.00 min
Lab File: VN062423.D
Acq: 8 Jul 2020 22:46

Tgt Ion	Ratio	Lower	Upper
43	100		
70	37.1	30.0	45.0
55	24.1	18.2	27.4
61	21.9	17.7	26.5





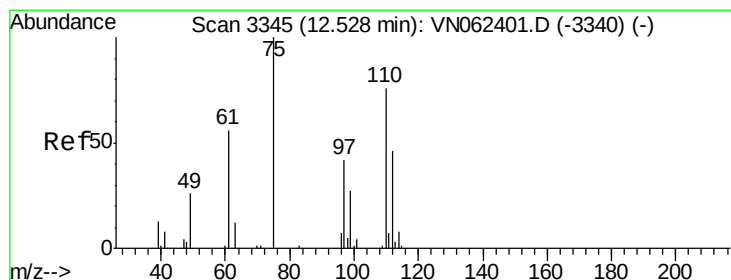
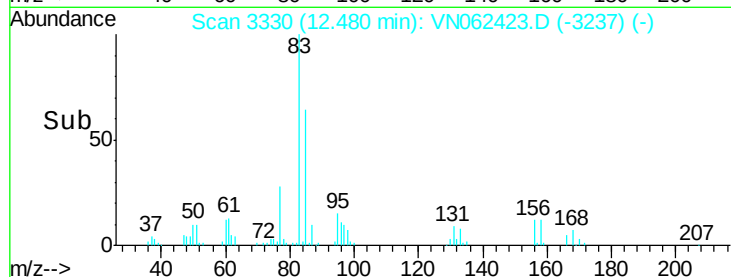
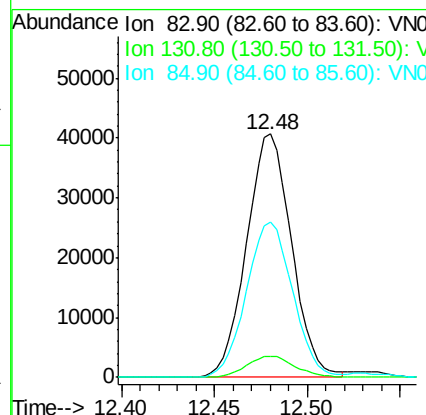
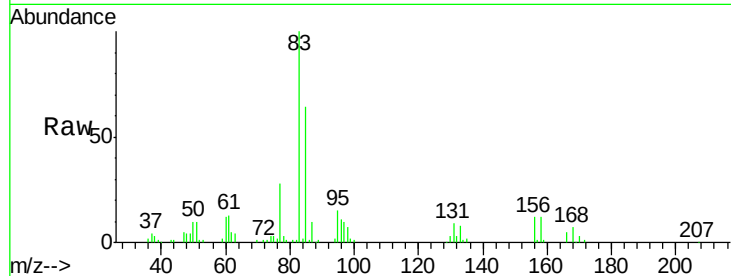
#75
 1,1,2,2-Tetrachloroethane
 Concen: 20.045 ug/l
 RT: 12.48 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VN062423.D
 Acq: 8 Jul 2020 22:46

Instrument :
 MSVOA_N
 ClientSampled :
 VN0708WBS02

Tot Ion	83	Resp	68540
Ion Ratio	100	Lower	Upper
83	100		
131	9.2	4.5	13.5
85	65.6	31.9	95.9

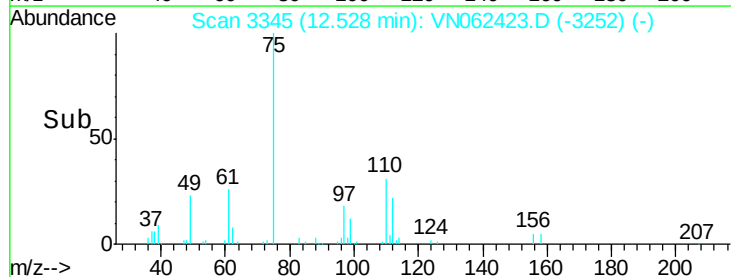
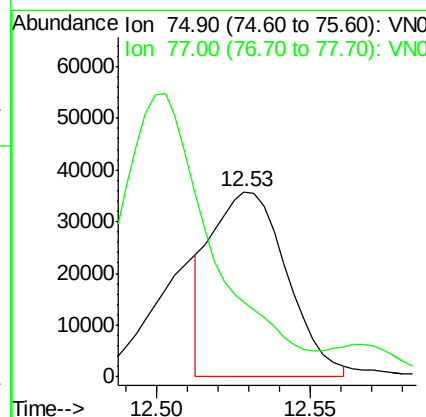
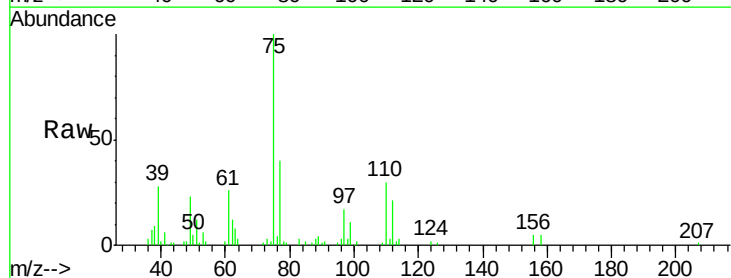
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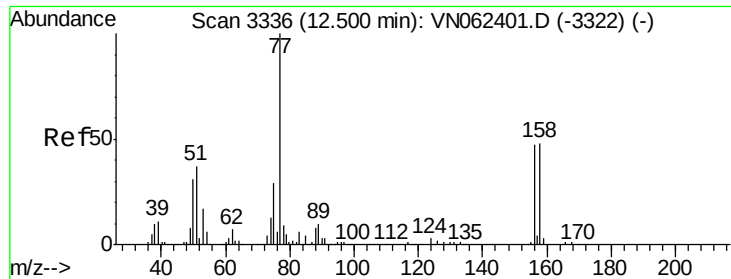
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#76
 1,2,3-Trichloropropane
 Concen: 18.991 ug/l m
 RT: 12.53 min Scan# 3345
 Delta R.T. -0.00 min
 Lab File: VN062423.D
 Acq: 8 Jul 2020 22:46

Tgt Ion	75	Resp	61238
Ion Ratio	100	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.491 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062423.D

Acq: 8 Jul 2020 22:46

Instrument :

MSVOA_N

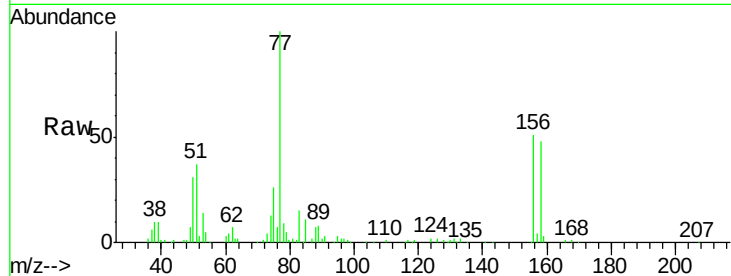
ClientSampled :

VN0708WBS02

Tot Ion:	156	Resp:	47374
Ion	Ratio	Lower	Upper
156	100		
77	243.9	126.4	379.3
158	95.8	49.8	149.4

Manual Integrations
APPROVED

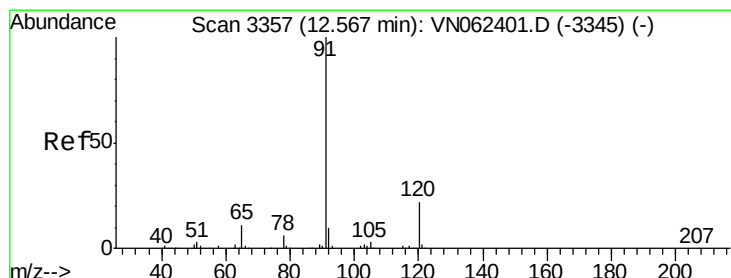
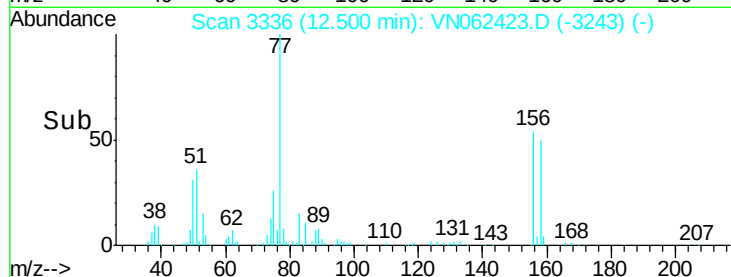
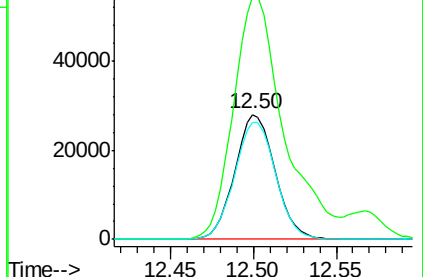
MMDadoda
7/9/2020 10:58:42 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.130 ug/l

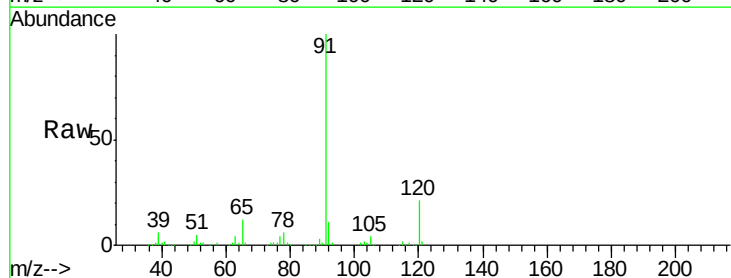
RT: 12.57 min Scan# 3357

Delta R.T. -0.00 min

Lab File: VN062423.D

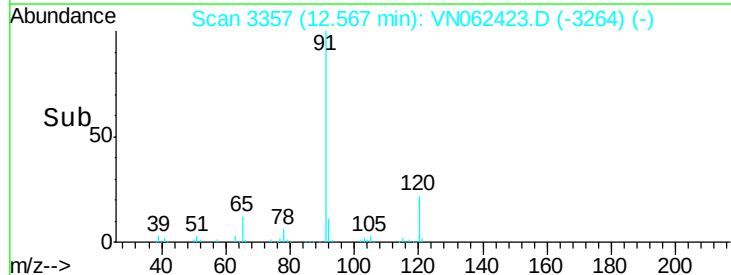
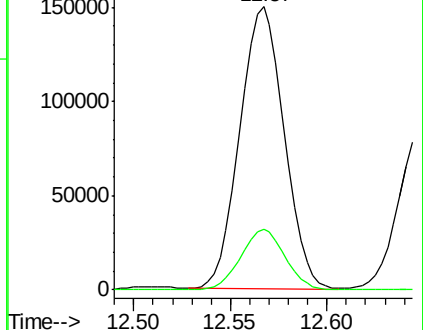
Acq: 8 Jul 2020 22:46

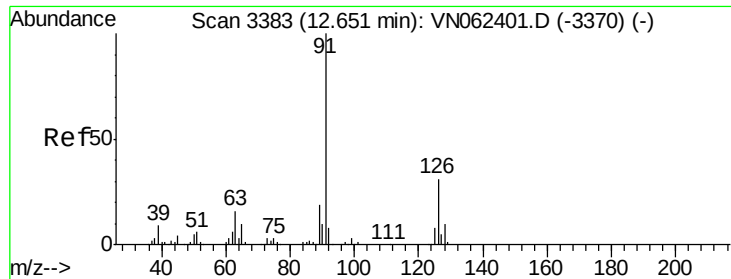
Tgt Ion:	91	Resp:	239121
Ion	Ratio	Lower	Upper
91	100		
120	21.2	10.7	32.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.090 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. -0.00 min

Lab File: VN062423.D

Acq: 8 Jul 2020 22:46

Instrument :

MSVOA_N

ClientSampled :

VN0708WBS02

Tot Ion: 91 Resp: 144841

Ion Ratio Lower Upper

91 100

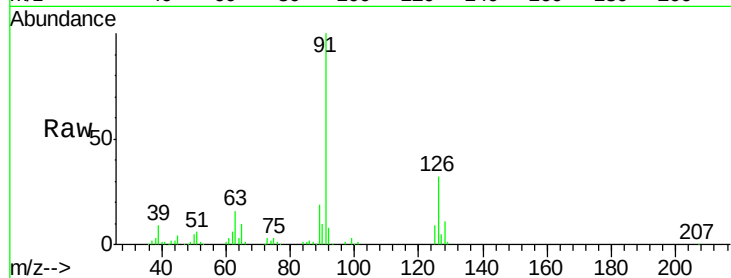
126 31.8 15.6 46.7

Manual Integrations

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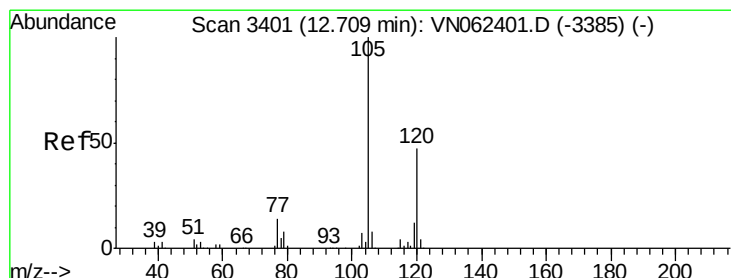
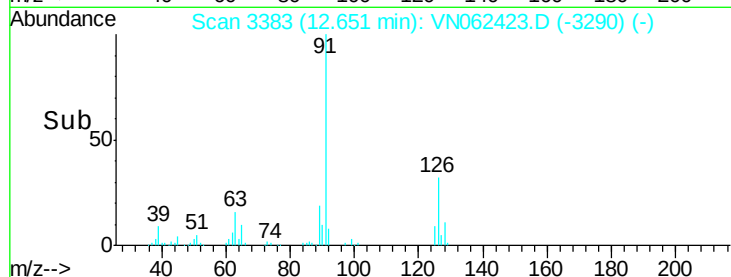
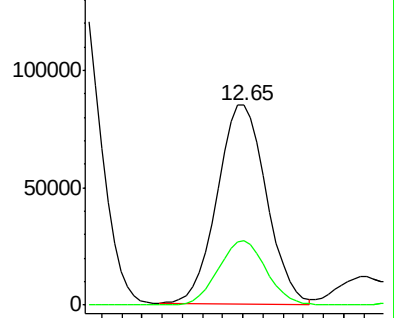
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Abundance Ion 91.00 (90.70 to 91.70): VN062401.D (-3370) (-)

Ion 125.90 (125.60 to 126.60): VN062401.D (-3370) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.407 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN062423.D

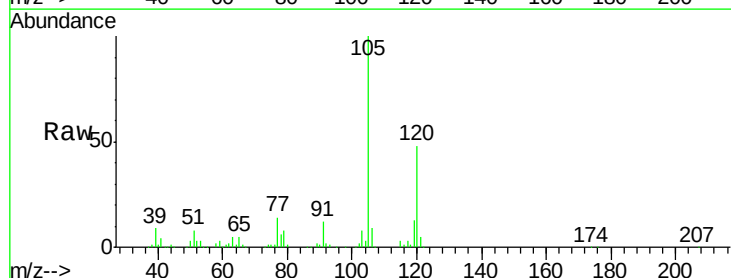
Acq: 8 Jul 2020 22:46

Tgt Ion: 105 Resp: 170125

Ion Ratio Lower Upper

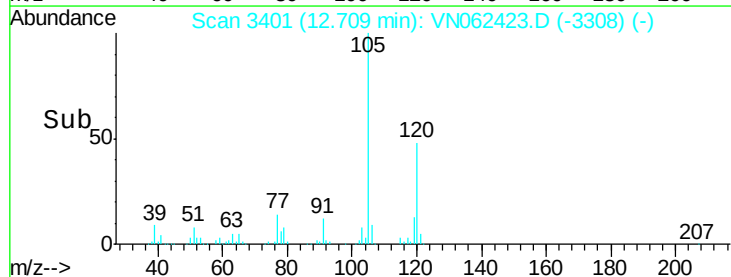
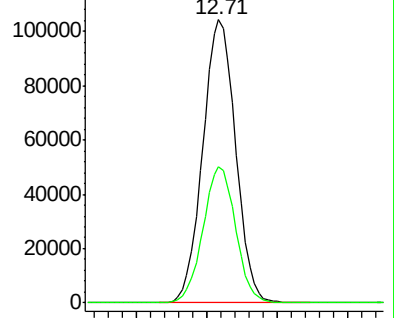
105 100

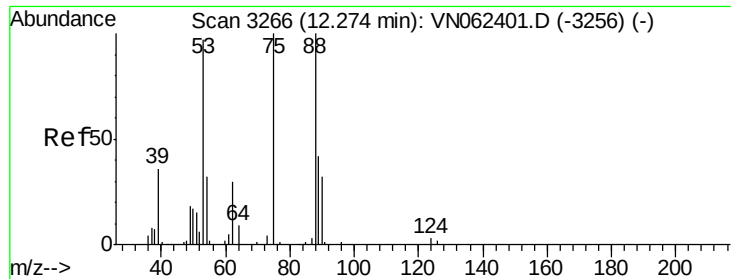
120 47.9 23.4 70.2



Abundance Ion 105.00 (104.70 to 105.70): VN062401.D (-3385) (-)

Ion 120.00 (119.70 to 120.70): VN062401.D (-3385) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 17.959 ug/l

RT: 12.28 min Scan# 3267

Delta R.T. 0.00 min

Lab File: VN062423.D

Acq: 8 Jul 2020 22:46

Instrument :

MSVOA_N

ClientSampled :

VN0708WBS02

Tot Ion: 75 Resp: 21636

Ion Ratio Lower Upper

75 100

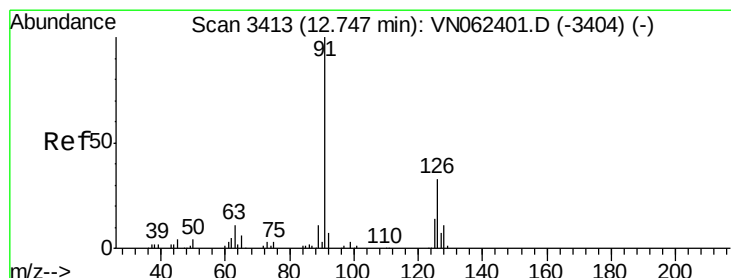
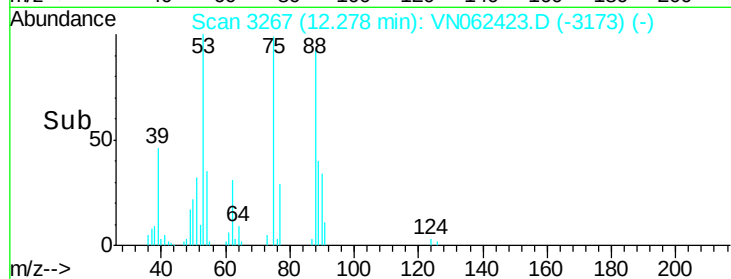
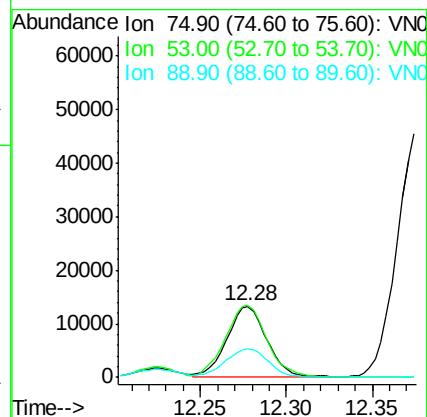
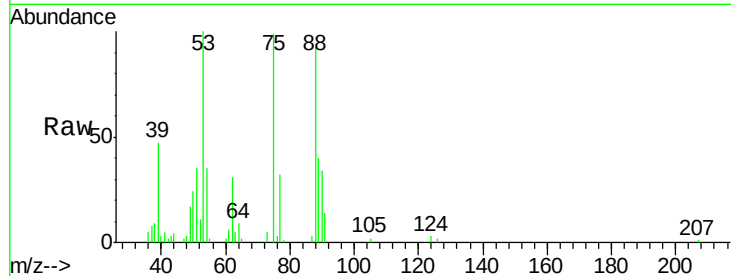
53 105.5 79.2 118.8

89 43.0 34.6 52.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.316 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN062423.D

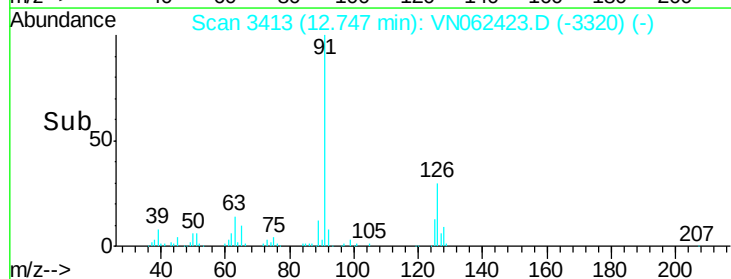
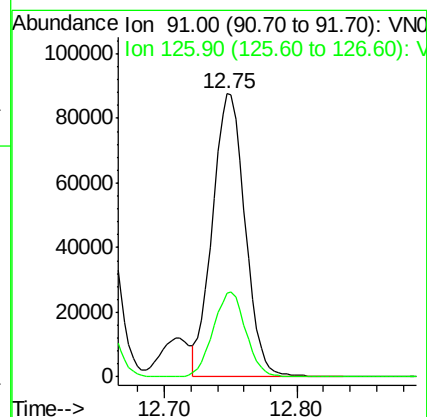
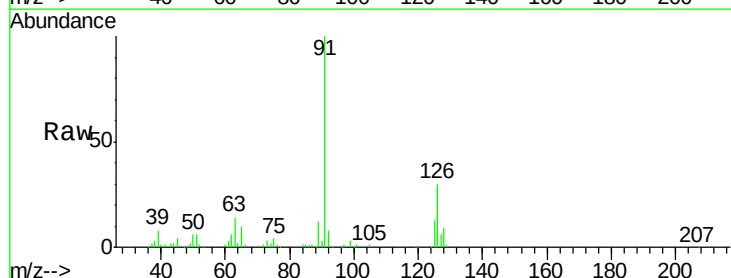
Acq: 8 Jul 2020 22:46

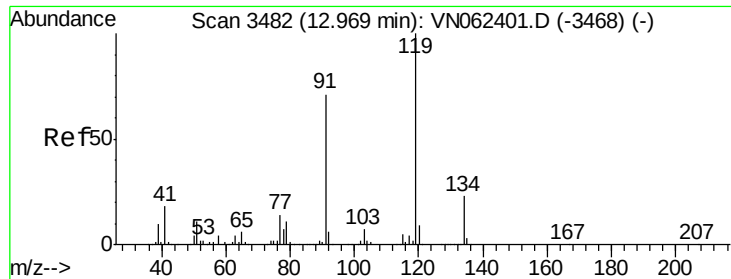
Tgt Ion: 91 Resp: 148703

Ion Ratio Lower Upper

91 100

126 30.2 15.2 45.6





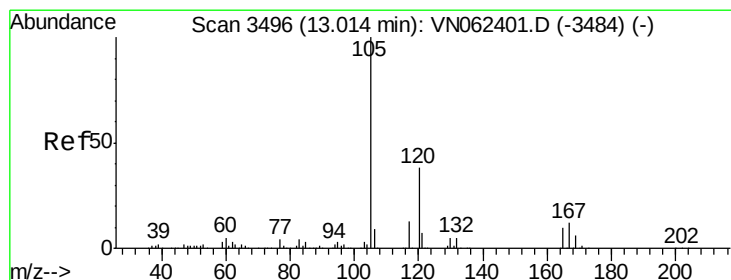
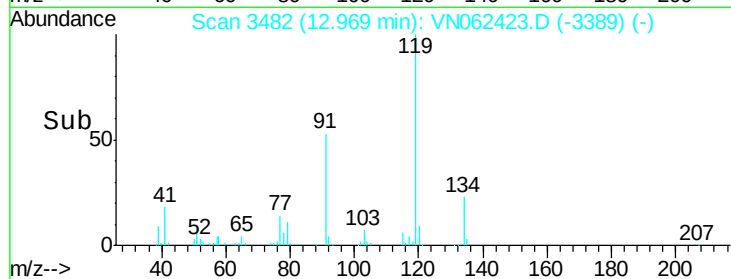
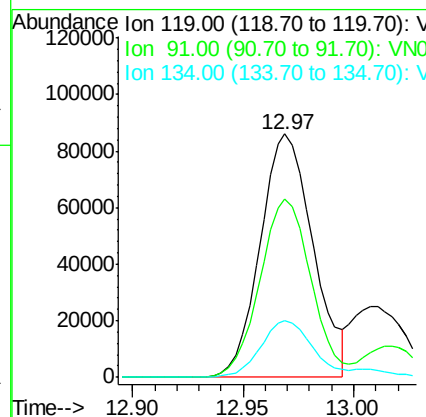
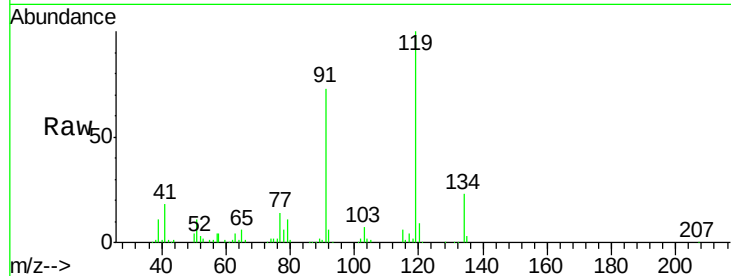
#83
 tert-Butylbenzene
 Concen: 20.167 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN062423.D
 Acq: 8 Jul 2020 22:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0708WBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	71.1	34.8	104.3
134	23.1	11.7	35.0

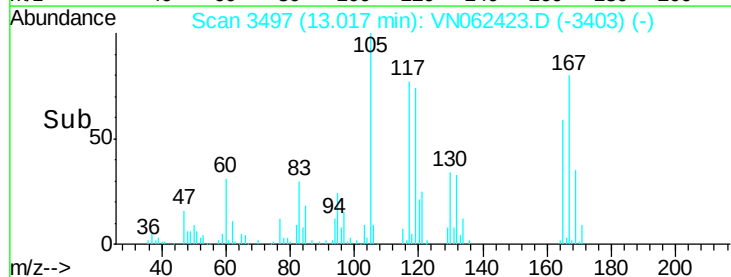
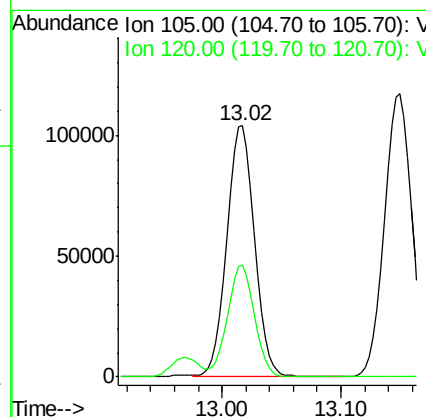
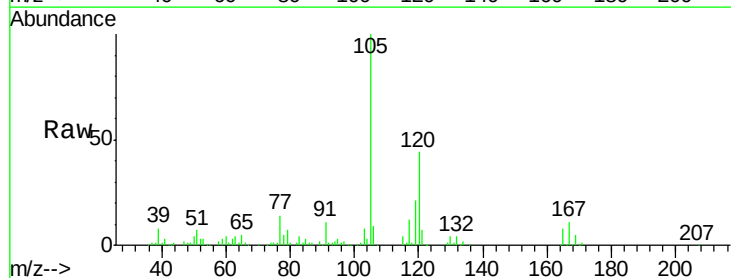
Manual Integrations
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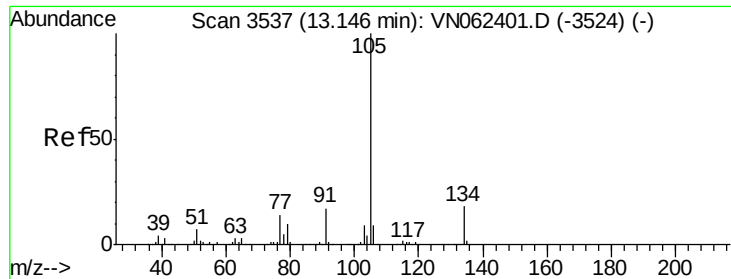
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.300 ug/l
 RT: 13.02 min Scan# 3497
 Delta R.T. 0.00 min
 Lab File: VN062423.D
 Acq: 8 Jul 2020 22:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.1	21.6	64.8





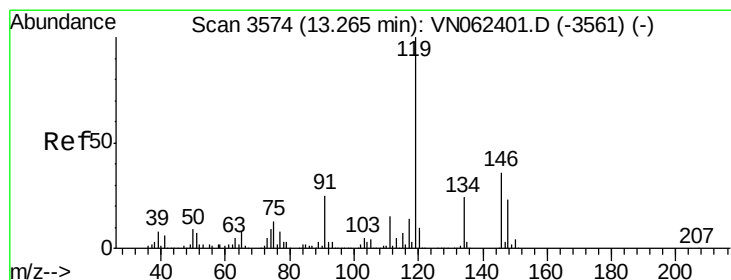
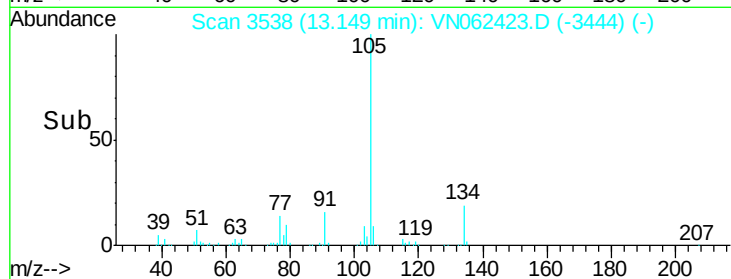
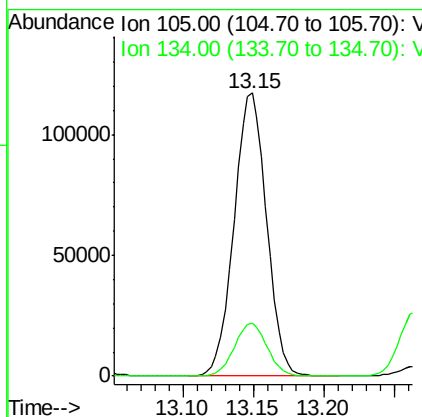
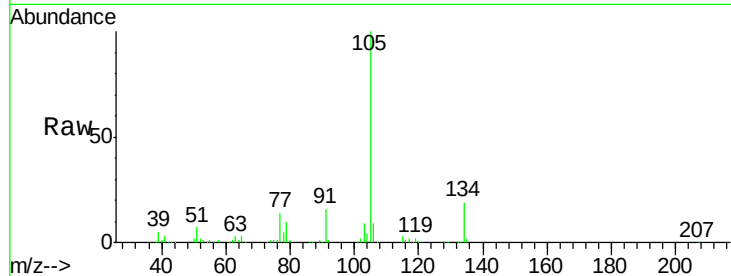
#85
 sec-Butylbenzene
 Concen: 20.220 ug/l
 RT: 13.15 min Scan# 3538
 Delta R.T. 0.00 min
 Lab File: VN062423.D
 Acq: 8 Jul 2020 22:46

Instrument :
 MSVOA_N
 ClientSampled :
 VN0708WBS02

Tot Ion	Ratio	Resp	Lower	Upper
105	100	189563		
134	18.6	9.3	28.0	

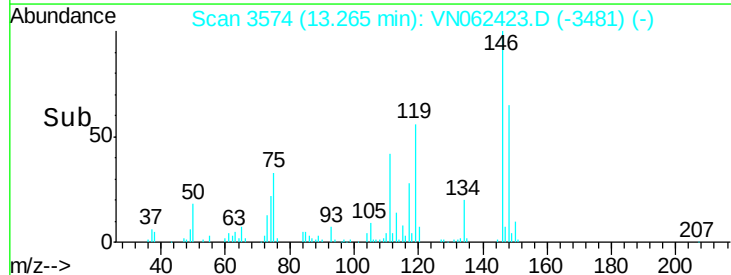
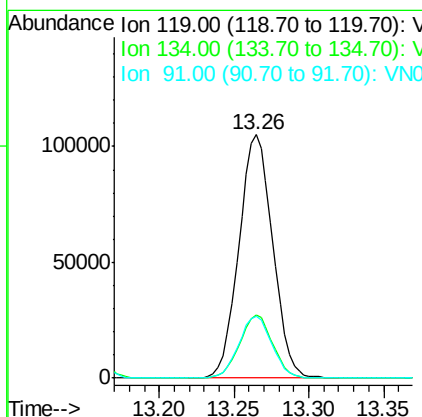
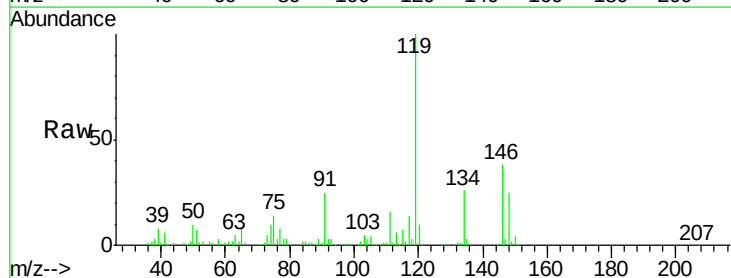
Manual Integrations
 APPROVED

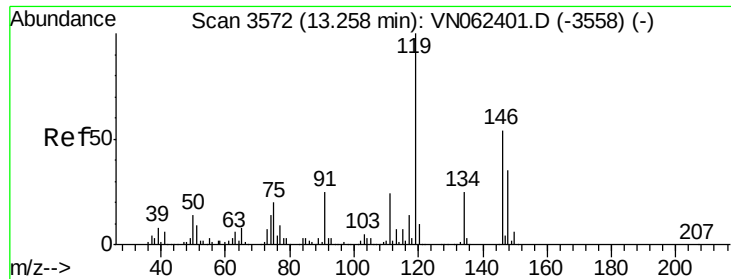
MMDadoda
 7/9/2020 10:58:42 AM



#86
 p-Isopropyltoluene
 Concen: 20.413 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. -0.00 min
 Lab File: VN062423.D
 Acq: 8 Jul 2020 22:46

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	165168		
134	25.4	12.4	37.0	
91	25.0	12.4	37.4	





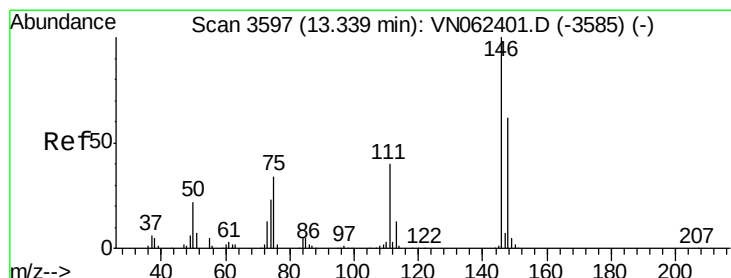
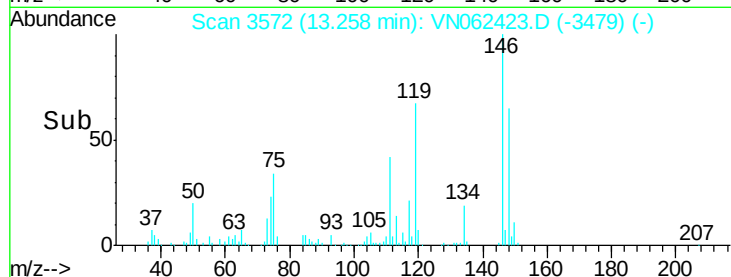
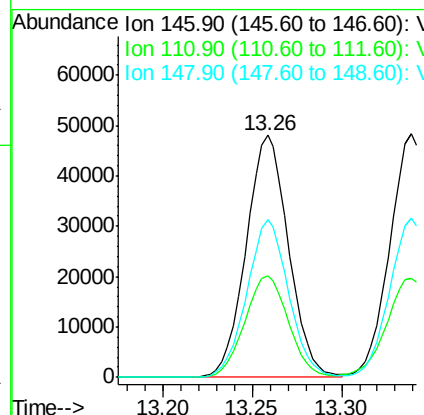
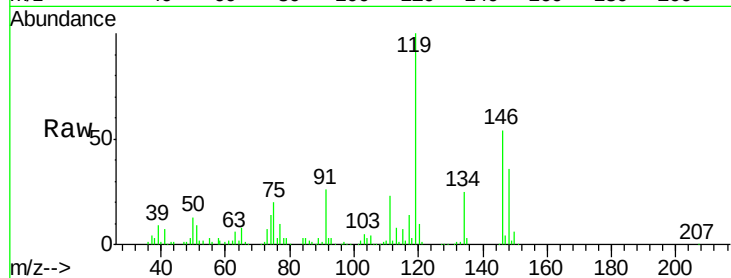
#87
 1,3-Dichlorobenzene
 Concen: 20.010 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN062423.D
 Acq: 8 Jul 2020 22:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0708WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.6	64.6
148	64.4	32.2	96.6

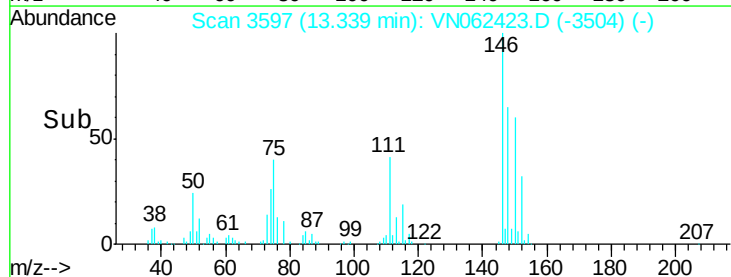
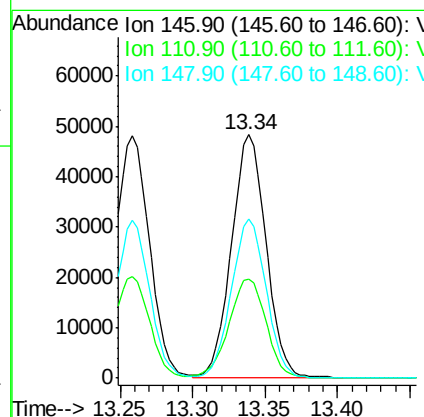
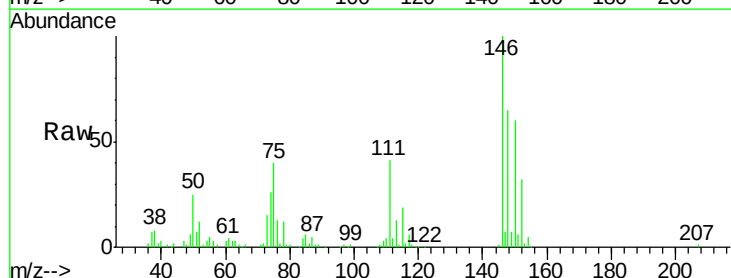
Manual Integrations
 APPROVED

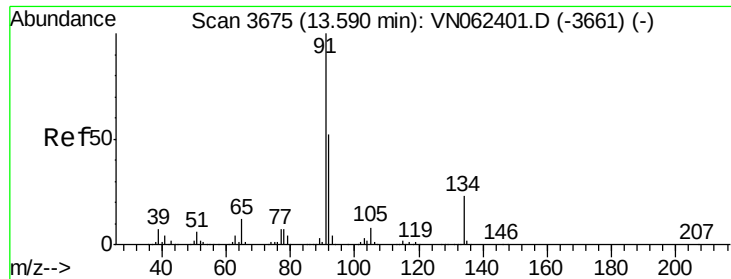
MMDadoda
 7/9/2020 10:58:42 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.523 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN062423.D
 Acq: 8 Jul 2020 22:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.1	21.1	63.1
148	65.0	31.4	94.2





#89

n-Butylbenzene

Concen: 18.874 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. -0.00 min

Lab File: VN062423.D

Acq: 8 Jul 2020 22:46

Instrument :

MSVOA_N

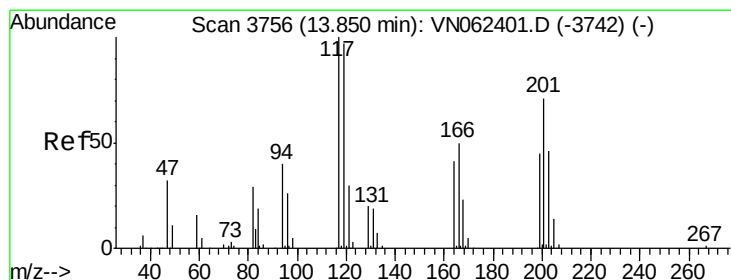
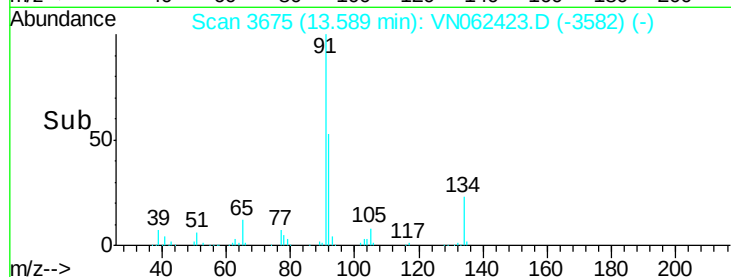
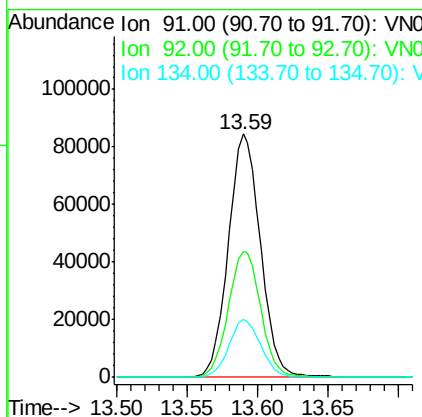
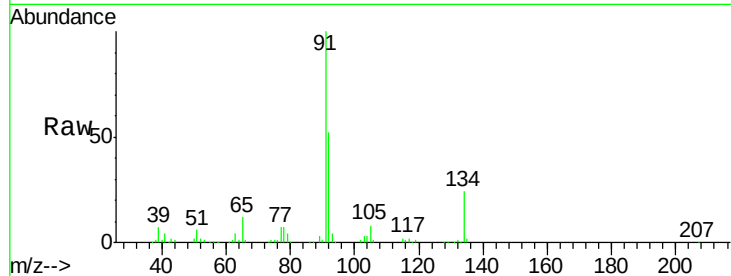
ClientSampled :

VN0708WBS02

Tot Ion:	91	Resp:	134844
Ion	Ratio	Lower	Upper
91	100		
92	52.3	25.9	77.7
134	23.5	11.6	34.8

Manual Integrations
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#90

Hexachloroethane

Concen: 20.014 ug/l

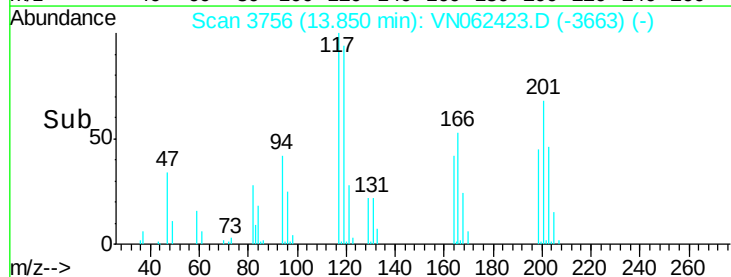
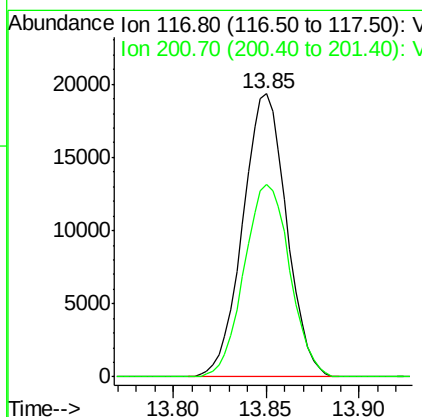
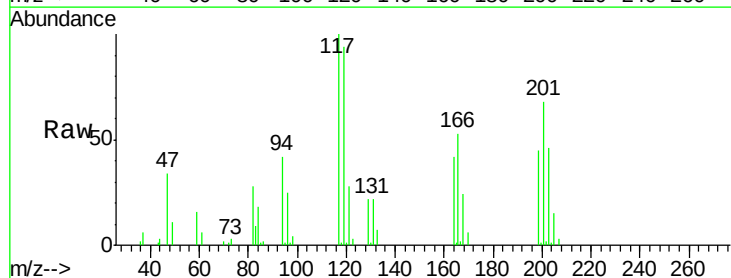
RT: 13.85 min Scan# 3756

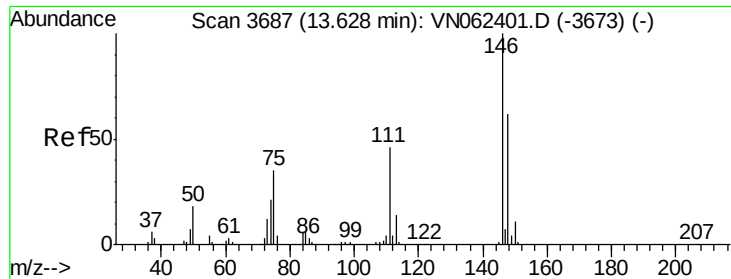
Delta R.T. -0.00 min

Lab File: VN062423.D

Acq: 8 Jul 2020 22:46

Tgt Ion:	117	Resp:	31856
Ion	Ratio	Lower	Upper
117	100		
201	71.1	35.4	106.2





#91

1,2-Dichlorobenzene

Concen: 20.637 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. -0.00 min

Lab File: VN062423.D

Acq: 8 Jul 2020 22:46

Instrument :

MSVOA_N

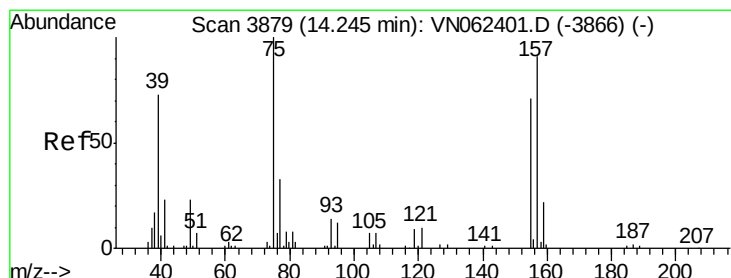
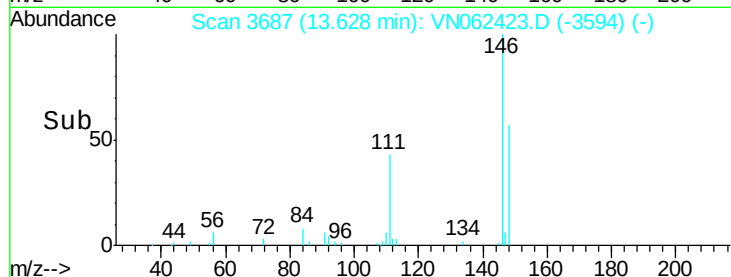
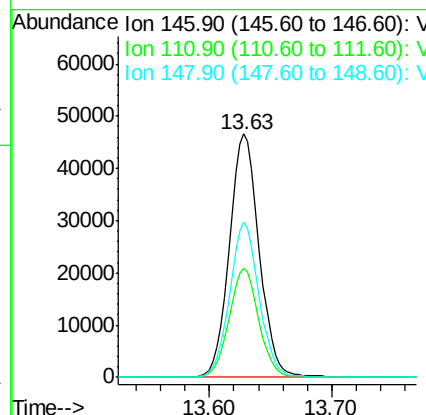
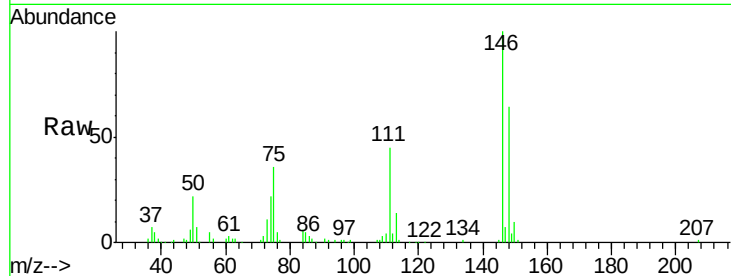
ClientSampled :

VN0708WBS02

Tot Ion:	146	Resp:	79583
Ion Ratio	Lower	Upper	
146	100		
111	44.5	22.5	67.5
148	62.8	31.4	94.2

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 20.160 ug/l

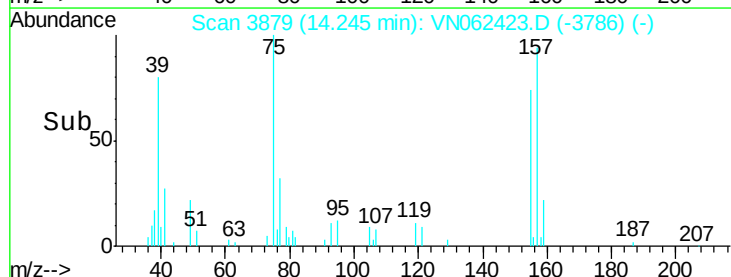
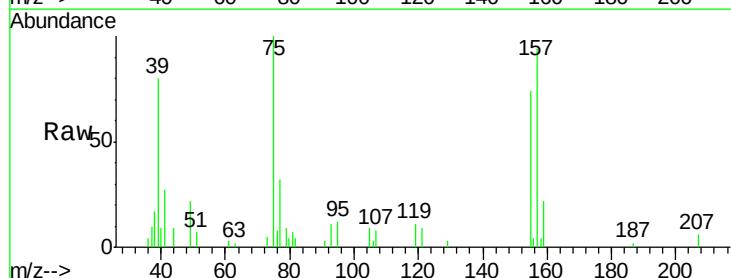
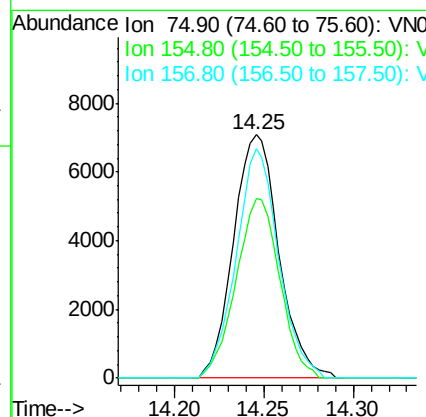
RT: 14.25 min Scan# 3879

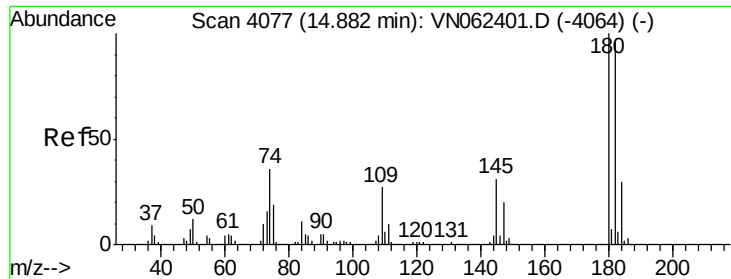
Delta R.T. -0.00 min

Lab File: VN062423.D

Acq: 8 Jul 2020 22:46

Tgt Ion:	75	Resp:	12580
Ion Ratio	Lower	Upper	
75	100		
155	70.9	35.2	105.6
157	88.0	45.8	137.3





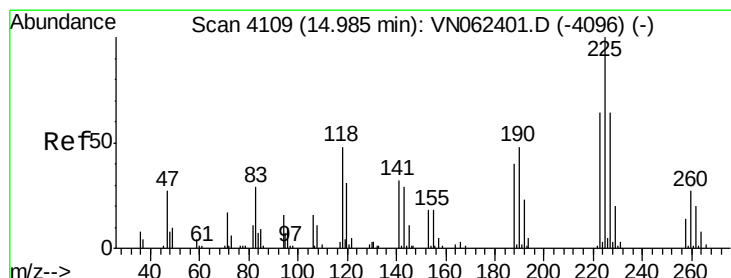
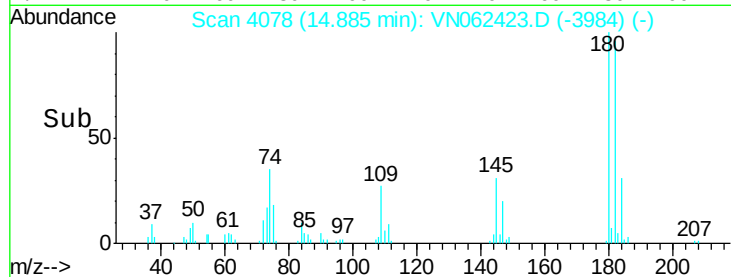
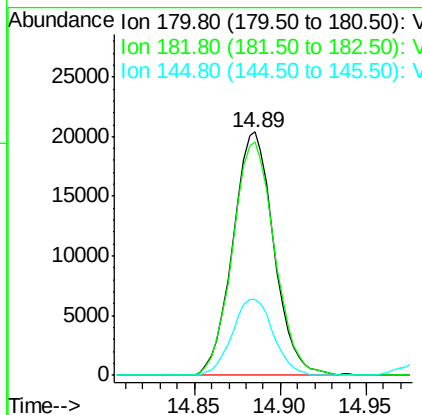
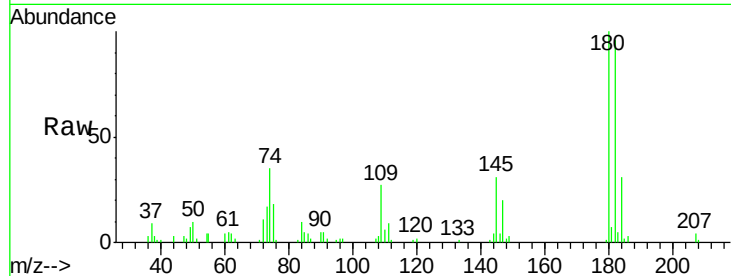
#93
1,2,4-Trichlorobenzene
Concen: 19.671 ug/l
RT: 14.89 min Scan# 4078
Delta R.T. 0.00 min
Lab File: VN062423.D
Acq: 8 Jul 2020 22:46

Instrument :
MSVOA_N
ClientSampled :
VN0708WBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.2	48.4	145.2
145	31.5	15.5	46.5

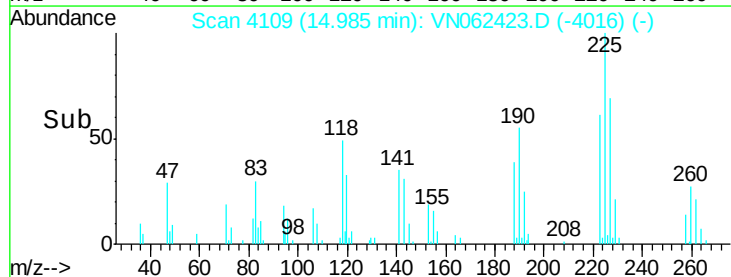
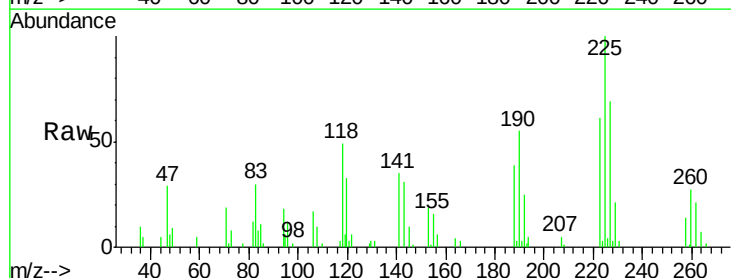
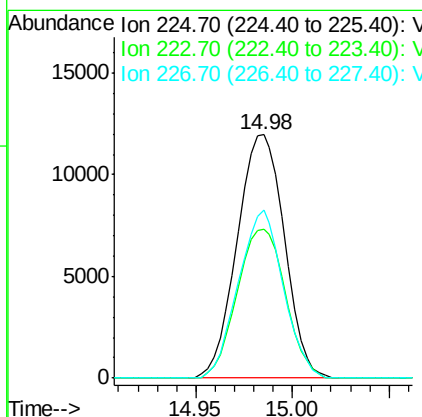
Manual Integrations
APPROVED

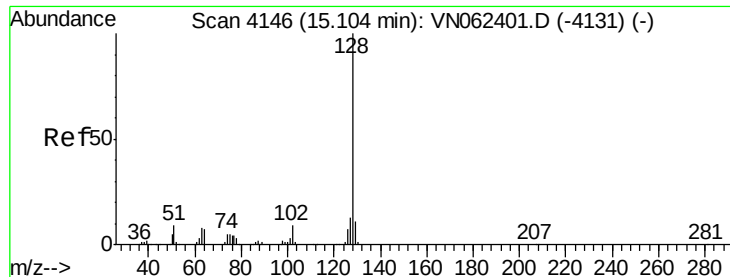
MMDadoda
7/9/2020 10:58:42 AM



#94
Hexachlorobutadiene
Concen: 19.877 ug/l
RT: 14.98 min Scan# 4109
Delta R.T. -0.00 min
Lab File: VN062423.D
Acq: 8 Jul 2020 22:46

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	32.3	96.8
227	65.3	31.9	95.7





#95

Naphthalene

Concen: 19.985 ug/l

RT: 15.11 min Scan# 4147

Delta R.T. 0.00 min

Lab File: VN062423.D

Acq: 8 Jul 2020 22:46

Instrument :

MSVOA_N

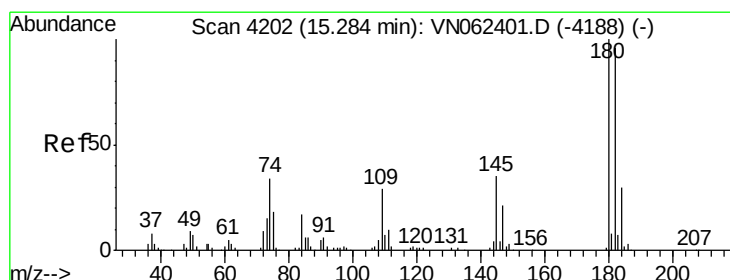
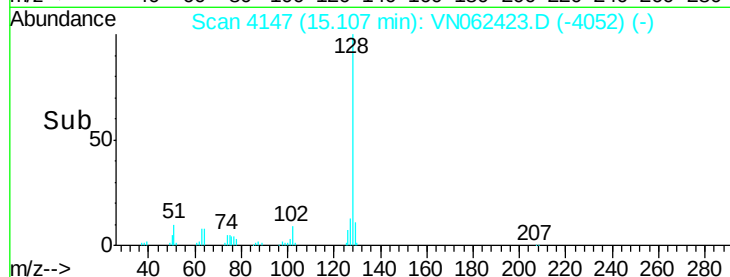
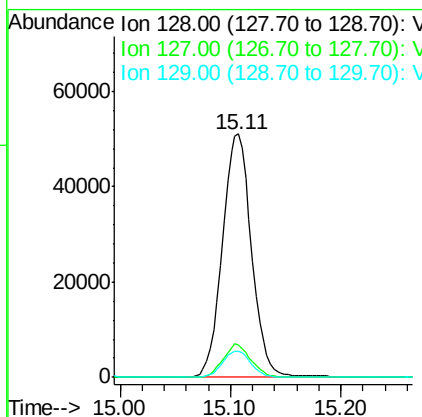
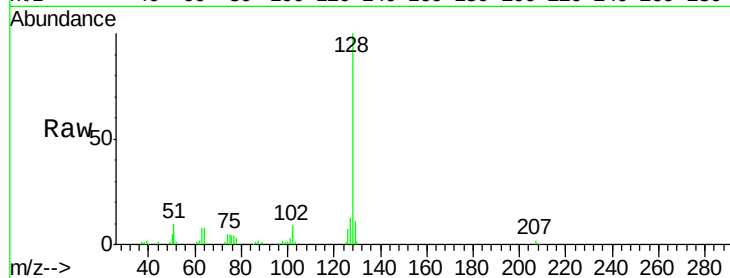
ClientSampled :

VN0708WBS02

Tot Ion:	128	Resp:	93252
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.2
129	10.4	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
7/9/2020 10:58:42 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.003 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. -0.00 min

Lab File: VN062423.D

Acq: 8 Jul 2020 22:46

Tgt Ion:	180	Resp:	35029
Ion Ratio	Lower	Upper	
180	100		
182	98.3	47.8	143.4
145	33.9	17.0	50.9

