

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070820\
 Data File : VN062410.D
 Acq On : 8 Jul 2020 16:14
 Operator : JC/MD
 Sample : VN0708WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0708WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/9/2020 10:55:08 AM

Quant Time: Jul 09 02:37:58 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	185079	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	324006	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	298289	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	129533	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	147146	51.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.38%	
35) Dibromofluoromethane	7.55	113	102642	51.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.50%	
50) Toluene-d8	10.06	98	408763	51.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.40%	
62) 4-Bromofluorobenzene	12.38	95	143638	49.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	38007	20.161	ug/l	99
3) Chloromethane	2.04	50	58428	19.316	ug/l	96
4) Vinyl Chloride	2.16	62	50479	20.369	ug/l	98
5) Bromomethane	2.53	94	27439	20.615	ug/l	99
6) Chloroethane	2.67	64	29968	20.762	ug/l	99
7) Trichlorofluoromethane	2.98	101	64773	20.579	ug/l	98
8) Diethyl Ether	3.37	74	29000	20.605	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	38506	20.637	ug/l	99
10) Methyl Iodide	3.91	142	47257	19.182	ug/l	100
11) Tert butyl alcohol	4.73	59	46918	99.355	ug/l	98
12) 1,1-Dichloroethene	3.70	96	38388	20.208	ug/l	96
13) Acrolein	3.57	56	30271	88.861	ug/l	99
14) Allyl chloride	4.28	41	89026	19.926	ug/l	99
15) Acrylonitrile	4.93	53	131075	105.834	ug/l	100
16) Acetone	3.78	43	113374	93.806	ug/l	99
17) Carbon Disulfide	4.01	76	118772	19.953	ug/l	98
18) Methyl Acetate	4.28	43	62304	20.657	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	147069	20.420	ug/l	99
20) Methylene Chloride	4.50	84	49137	19.015	ug/l	95
21) trans-1,2-Dichloroethene	4.99	96	42427	20.616	ug/l	94
22) Diisopropyl ether	5.90	45	185462	21.011	ug/l	98
23) Vinyl Acetate	5.84	43	760551	104.014	ug/l	99
24) 1,1-Dichloroethane	5.80	63	94464	20.711	ug/l	99
25) 2-Butanone	6.79	43	181115	102.609	ug/l	100
26) 2,2-Dichloropropane	6.78	77	68978	19.723	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	50119	21.025	ug/l	98
28) Bromochloromethane	7.15	49	47224	19.057	ug/l	98
29) Tetrahydrofuran	7.17	42	125802	105.862	ug/l	99
30) Chloroform	7.33	83	86382	20.975	ug/l	98
31) Cyclohexane	7.61	56	85025	19.663	ug/l	95
32) 1,1,1-Trichloroethane	7.53	97	70019	20.440	ug/l	98
36) 1,1-Dichloropropene	7.75	75	65391	20.032	ug/l	99
37) Ethyl Acetate	6.89	43	78649	20.605	ug/l	99
38) Carbon Tetrachloride	7.73	117	60273	20.538	ug/l	98

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 Misc : 5.00mL/MSVOA N/WATER
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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	70414	20.205	ug/l	98
40) Benzene	8.00	78	197180	20.495	ug/l	100
41) Methacrylonitrile	7.13	41	35952	22.544	ug/l	92
42) 1,2-Dichloroethane	8.08	62	74571	21.169	ug/l	99
43) Isopropyl Acetate	8.13	43	123643	20.505	ug/l	98
44) Trichloroethene	8.80	130	43780	20.510	ug/l	99
45) 1,2-Dichloropropane	9.08	63	58169	20.828	ug/l	97
46) Dibromomethane	9.17	93	31967	20.283	ug/l	99
47) Bromodichloromethane	9.37	83	68330	20.278	ug/l	100
48) Methyl methacrylate	9.17	41	59802	20.218	ug/l	99
49) 1,4-Dioxane	9.17	88	18534	430.510	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	381721	105.990	ug/l	100
52) Toluene	10.12	92	113855	20.488	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	75029	19.875	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	83528	20.054	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	45494	20.815	ug/l	97
56) Ethyl methacrylate	10.40	69	75339	19.801	ug/l	98
57) 1,3-Dichloropropane	10.68	76	83183	20.601	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	127520	98.347	ug/l	99
59) 2-Hexanone	10.72	43	271038	103.664	ug/l	100
60) Dibromochloromethane	10.87	129	46771	19.736	ug/l	96
61) 1,2-Dibromoethane	10.98	107	45931	20.818	ug/l	97
64) Tetrachloroethene	10.60	164	36166	20.432	ug/l	98
65) Chlorobenzene	11.41	112	115543	19.930	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	42624	19.938	ug/l	99
67) Ethyl Benzene	11.48	91	216143	19.862	ug/l	99
68) m/p-Xylenes	11.60	106	155634	40.400	ug/l	100
69) o-Xylene	11.92	106	75443	20.114	ug/l	100
70) Styrene	11.94	104	126210	20.360	ug/l	100
71) Bromoform	12.10	173	31856	20.326	ug/l #	99
73) Isopropylbenzene	12.22	105	204479	20.400	ug/l	100
74) N-amyl acetate	12.05	43	102115	20.931	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	69515	20.626	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	62016m	19.512	ug/l	
77) Bromobenzene	12.50	156	46251	20.297	ug/l	97
78) n-propylbenzene	12.57	91	238285	20.351	ug/l	99
79) 2-Chlorotoluene	12.65	91	143938	20.255	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	170061	20.696	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	23030	19.395	ug/l	98
82) 4-Chlorotoluene	12.75	91	146643	20.327	ug/l	99
83) tert-Butylbenzene	12.97	119	142695	20.463	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	162754	19.927	ug/l	98
85) sec-Butylbenzene	13.15	105	187518	20.293	ug/l	100
86) p-Isopropyltoluene	13.26	119	163718	20.528	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	78625	20.000	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	78936	19.514	ug/l	98
89) n-Butylbenzene	13.59	91	135320	19.217	ug/l	99
90) Hexachloroethane	13.85	117	31839	20.295	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	77498	20.389	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	13069	21.249	ug/l	97

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Instrument :
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ClientSampleId :
VN0708WBS01

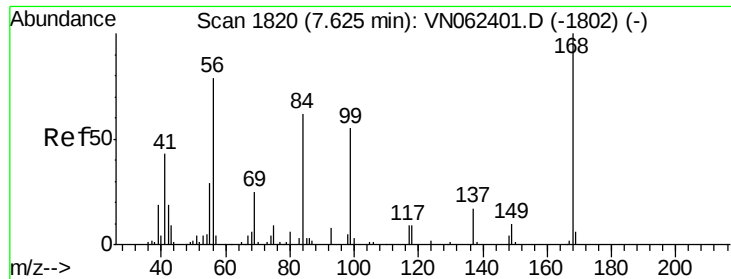
Manual Integrations
APPROVED

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)
93) 1,2,4-Trichlorobenzene	14.88	180	34442	20.255	ug/l	97
94) Hexachlorobutadiene	14.98	225	20400	20.214	ug/l	99
95) Naphthalene	15.10	128	91944	19.991	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	35425	19.414	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062410.D

Acq: 8 Jul 2020 16:14

Instrument :

MSVOA_N

ClientSampled :

VN0708WBS01

Tot Ion:168 Resp: 185079

Ion Ratio Lower Upper

168 100

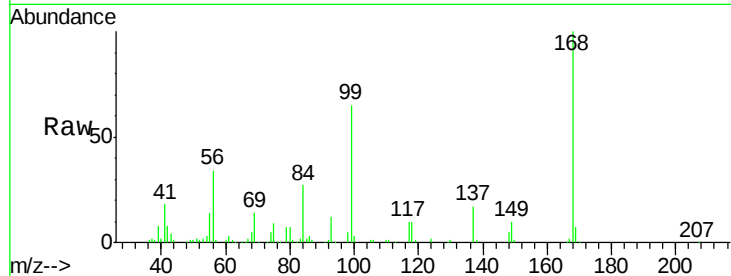
99 64.6 48.8 73.2

Manual Integrations

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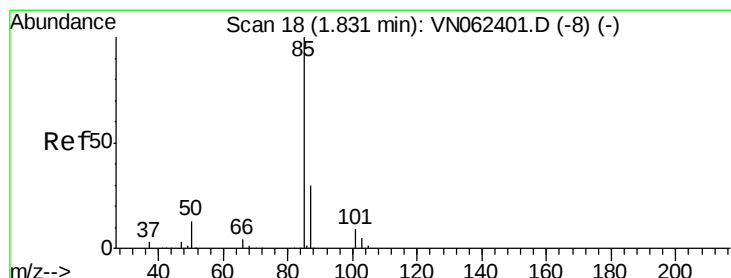
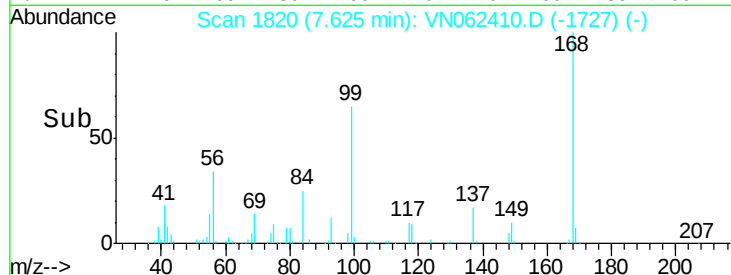
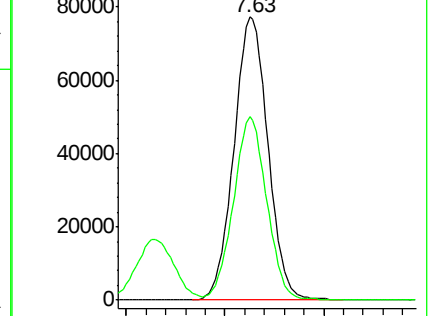
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 20.161 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN062410.D

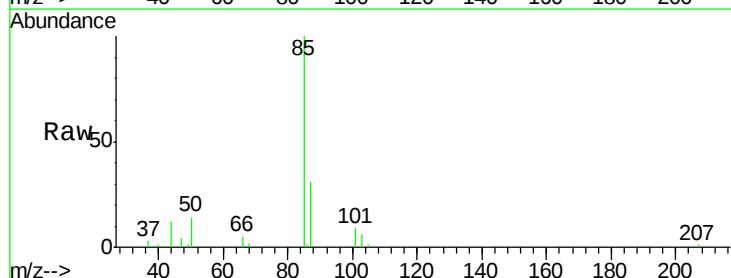
Acq: 8 Jul 2020 16:14

Tgt Ion: 85 Resp: 38007

Ion Ratio Lower Upper

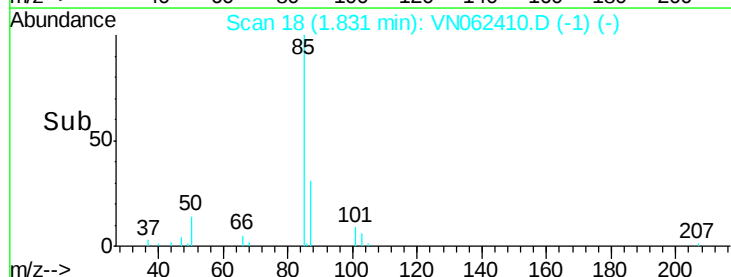
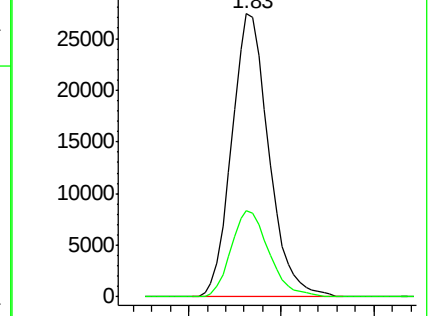
85 100

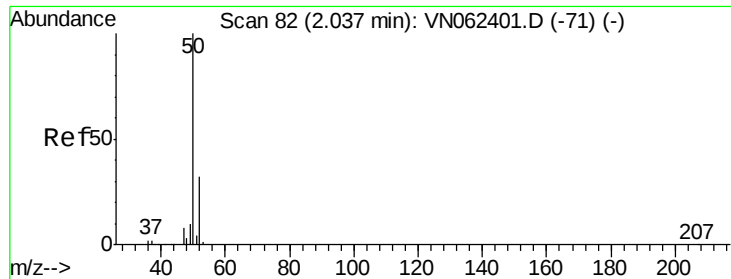
87 30.6 15.2 45.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 19.316 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN062410.D

Acq: 8 Jul 2020 16:14

Instrument :

MSVOA_N

ClientSampleId :

VN0708WBS01

Tot Ion: 50 Resp: 58428

Ion Ratio Lower Upper

50 100

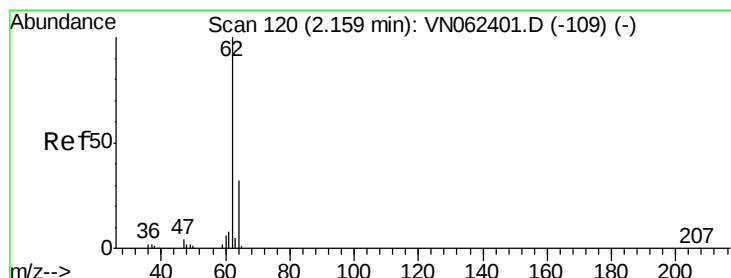
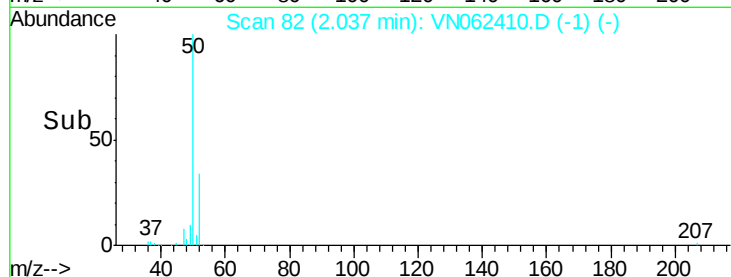
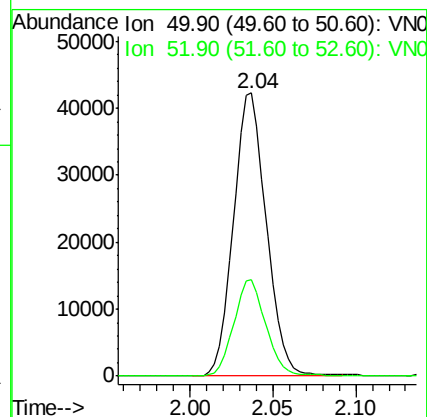
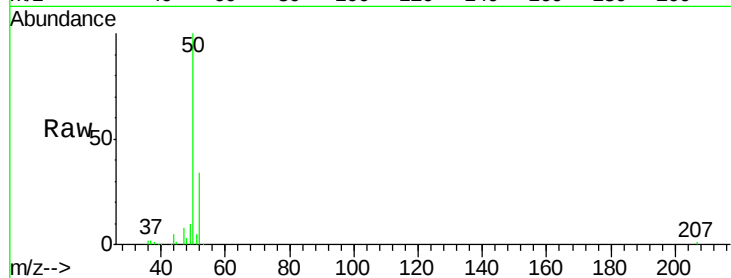
52 33.9 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.369 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062410.D

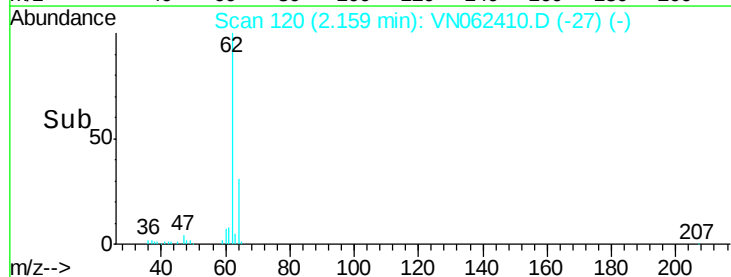
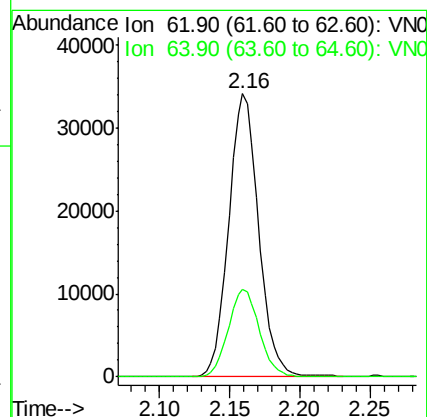
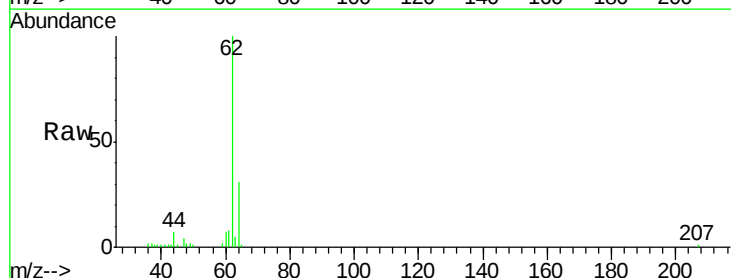
Acq: 8 Jul 2020 16:14

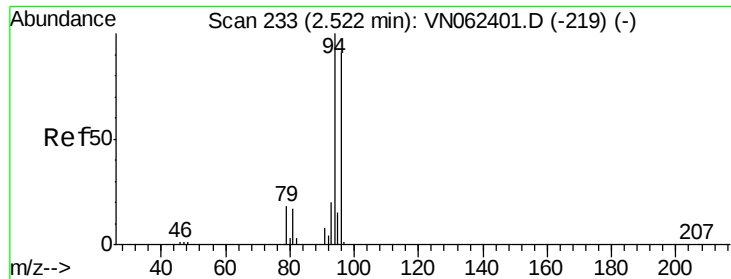
Tgt Ion: 62 Resp: 50479

Ion Ratio Lower Upper

62 100

64 31.0 25.7 38.5





#5

Bromomethane

Concen: 20.615 ug/l

RT: 2.53 min Scan# 236

Delta R.T. 0.01 min

Lab File: VN062410.D

Acq: 8 Jul 2020 16:14

Instrument :

MSVOA_N

ClientSampled :

VN0708WBS01

Tot Ion: 94 Resp: 27439

Ion Ratio Lower Upper

94 100

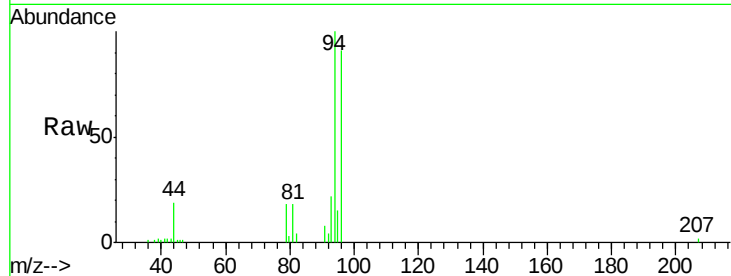
96 90.6 73.2 109.8

Manual Integrations

APPROVED

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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

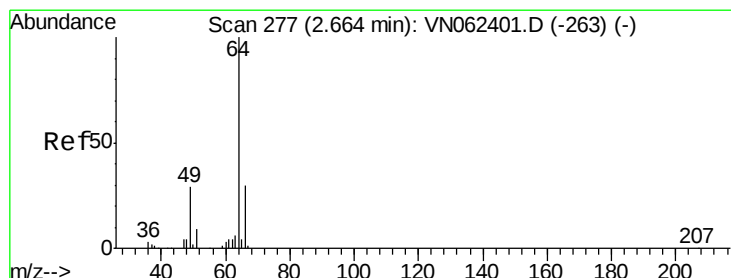
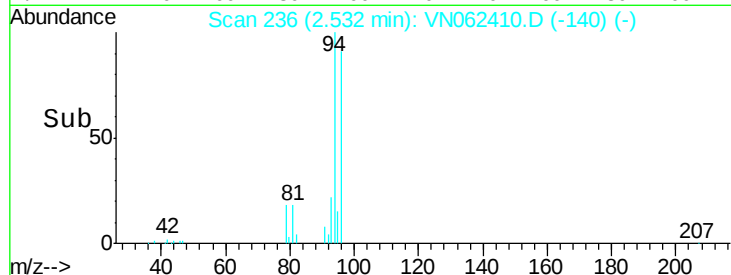
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 20.762 ug/l

RT: 2.67 min Scan# 279

Delta R.T. 0.01 min

Lab File: VN062410.D

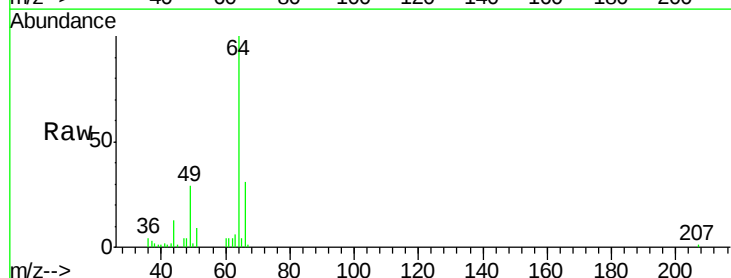
Acq: 8 Jul 2020 16:14

Tgt Ion: 64 Resp: 29968

Ion Ratio Lower Upper

64 100

66 30.7 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

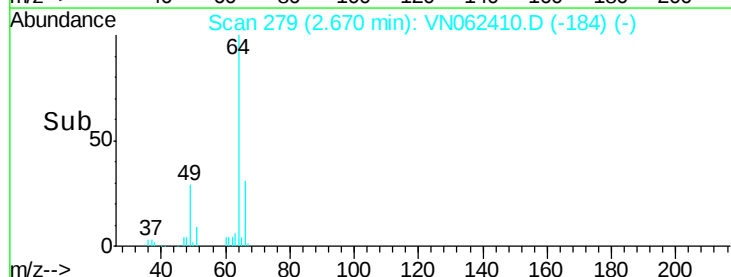
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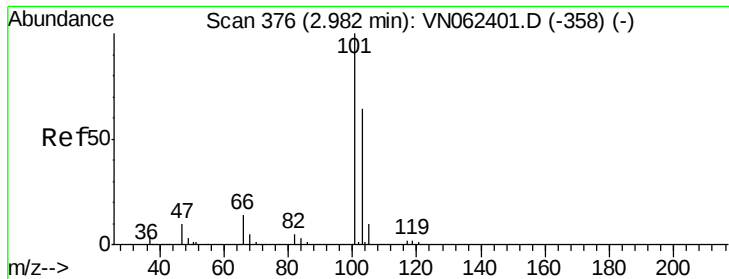
10000

5000

0

Time-->





#7

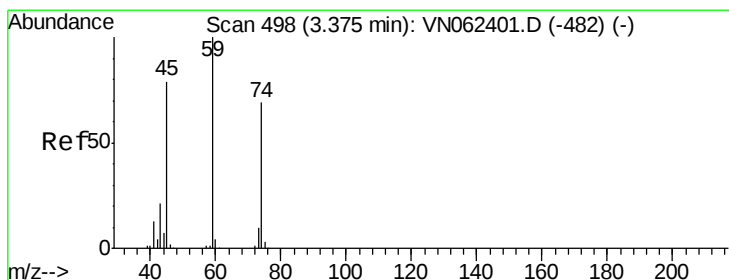
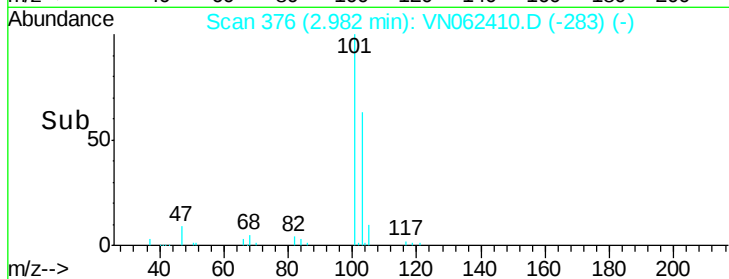
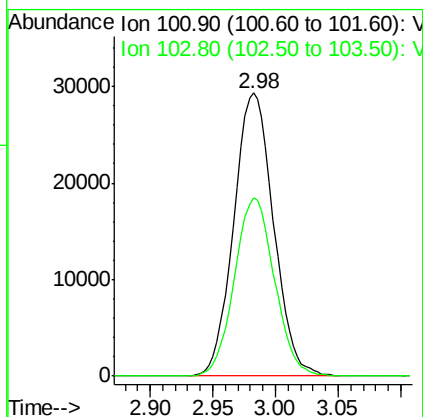
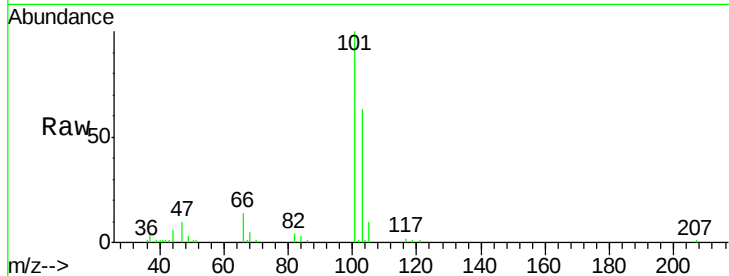
Trichlorofluoromethane
 Concen: 20.579 ug/l
 RT: 2.98 min Scan# 376
 Delta R.T. 0.00 min
 Lab File: VN062410.D
 Acq: 8 Jul 2020 16:14

Instrument :
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 ClientSampleId :
 VN0708WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.1	51.6	77.4

Manual Integrations
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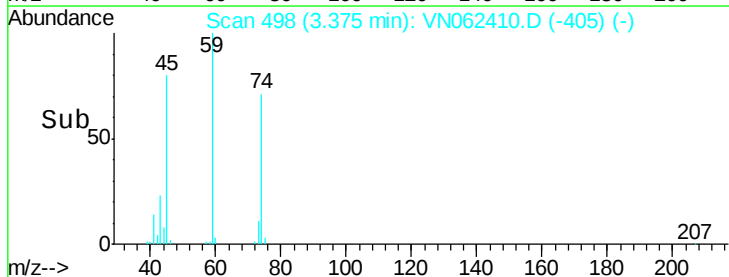
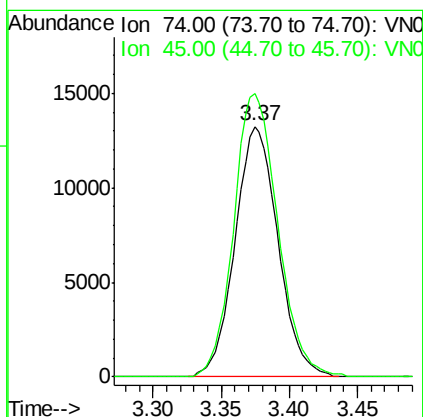
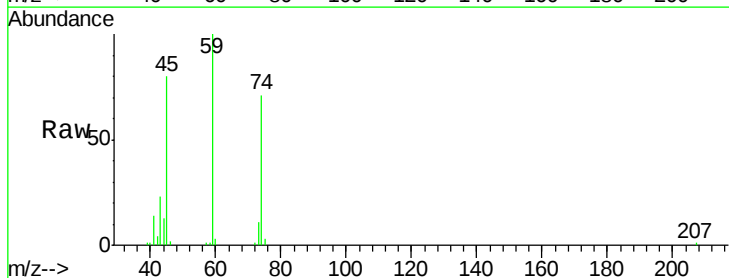
MMDadoda
 7/9/2020 10:55:08 AM

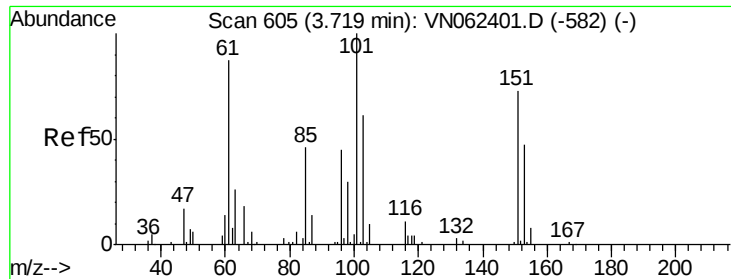


#8

Diethyl Ether
 Concen: 20.605 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: VN062410.D
 Acq: 8 Jul 2020 16:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	116.0	58.5	175.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.637 ug/l

RT: 3.72 min Scan# 606

Delta R.T. 0.00 min

Lab File: VN062410.D

Acq: 8 Jul 2020 16:14

Instrument :

MSVOA_N

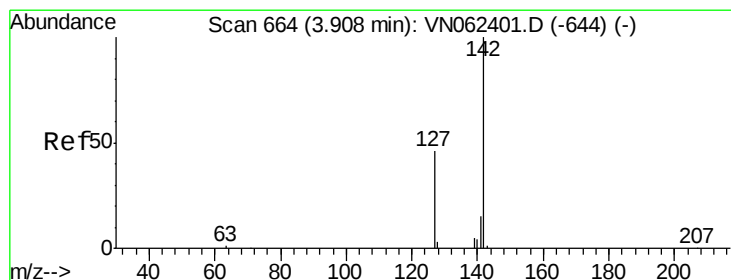
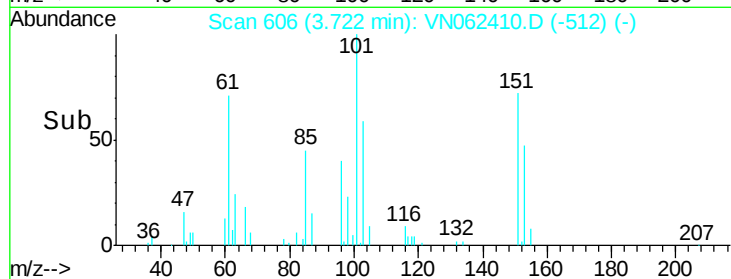
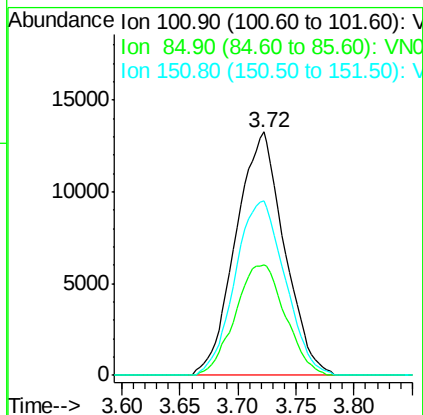
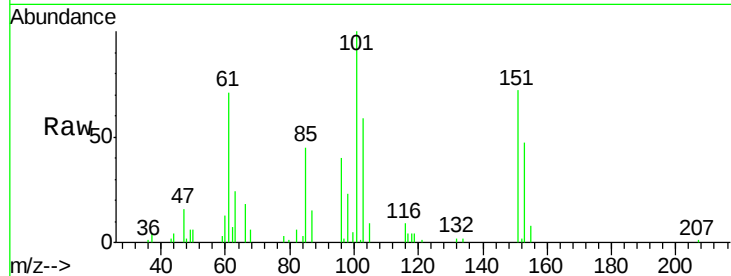
ClientSampleId :

VN0708WBS01

Tot Ion:	101	Resp:	38506
Ion Ratio	Lower	Upper	
101	100		
85	46.8	36.7	55.1
151	73.8	58.3	87.5

Manual Integrations
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#10

Methyl Iodide

Concen: 19.182 ug/l

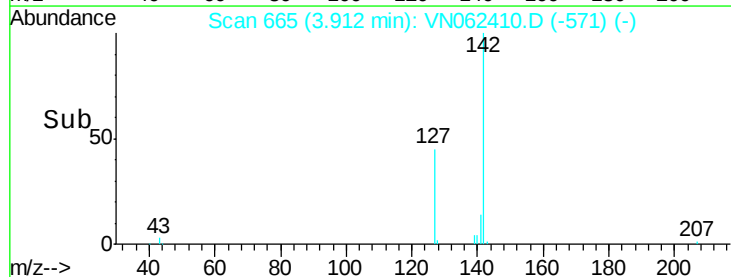
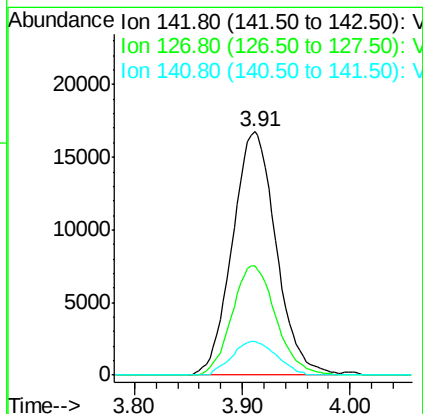
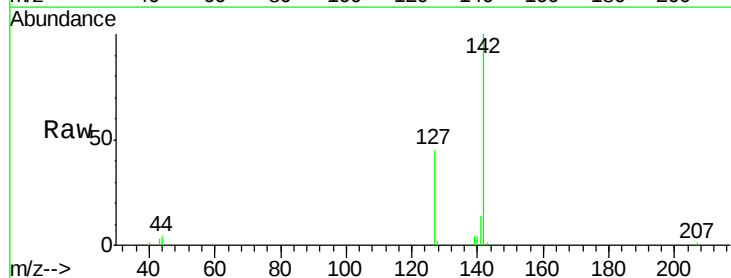
RT: 3.91 min Scan# 665

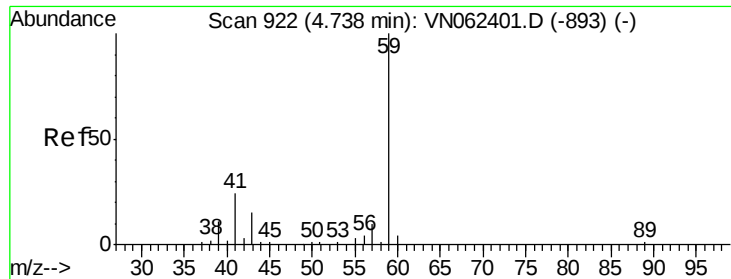
Delta R.T. 0.00 min

Lab File: VN062410.D

Acq: 8 Jul 2020 16:14

Tgt Ion:	142	Resp:	47257
Ion Ratio	Lower	Upper	
142	100		
127	45.0	36.1	54.1
141	14.1	11.4	17.0





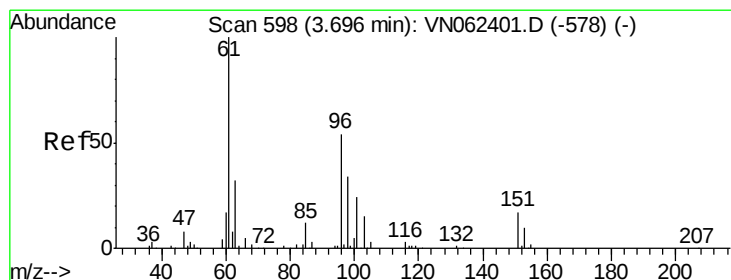
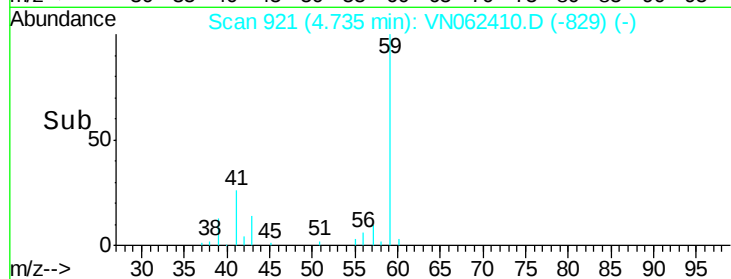
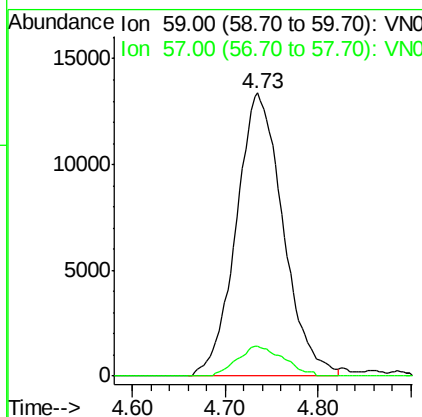
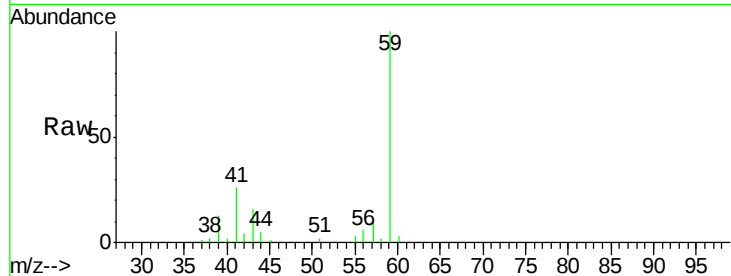
#11
Tert butyl alcohol
Concen: 99.355 ug/l
RT: 4.73 min Scan# 921
Delta R.T. -0.00 min
Lab File: VN062410.D
Acq: 8 Jul 2020 16:14

Instrument :
MSVOA_N
ClientSampled :
VN0708WBS01

Tot Ion	59.00 (58.70 to 59.70): VN0	Resp	46918
Ion	Ratio	Lower	Upper
59	100		
57	10.5	7.8	11.6

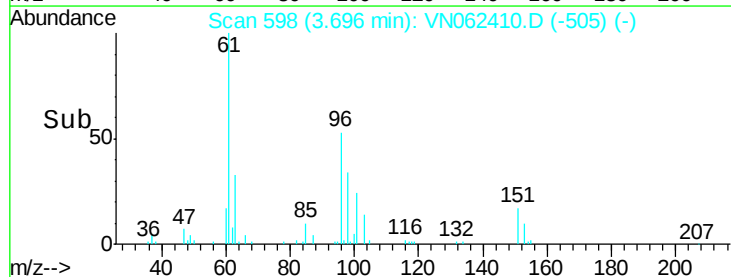
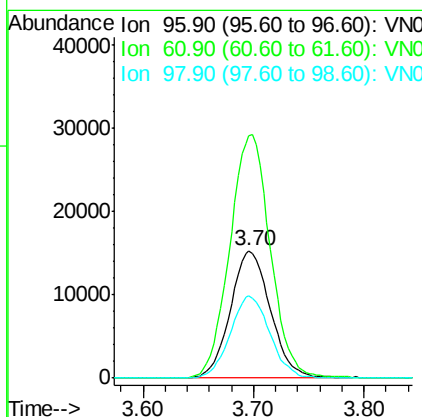
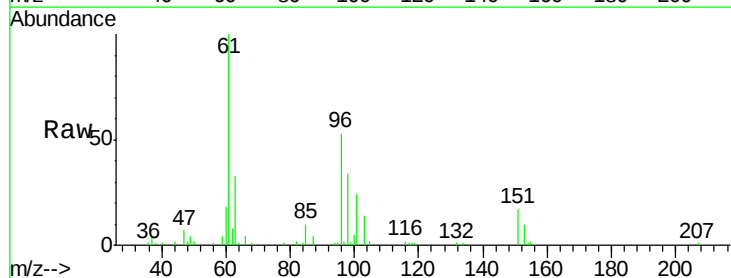
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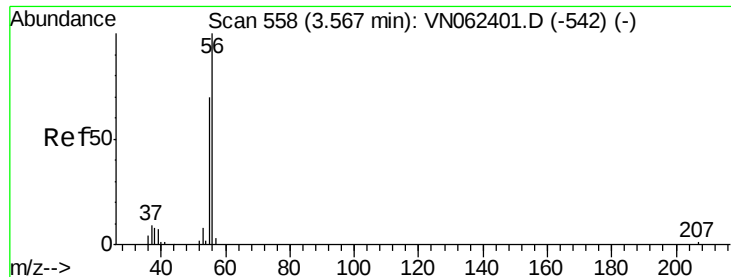
MMDadoda
7/9/2020 10:55:08 AM



#12
1,1-Dichloroethene
Concen: 20.208 ug/l
RT: 3.70 min Scan# 598
Delta R.T. 0.00 min
Lab File: VN062410.D
Acq: 8 Jul 2020 16:14

Tgt Ion	96	Resp	38388
Ion	Ratio	Lower	Upper
96	100		
61	189.9	147.4	221.0
98	64.8	50.4	75.6





#13

Acrolein

Concen: 88.861 ug/l

RT: 3.57 min Scan# 559

Delta R.T. 0.00 min

Lab File: VN062410.D

Acq: 8 Jul 2020 16:14

Instrument :

MSVOA_N

ClientSampled :

VN0708WBS01

Tot Ion: 56 Resp: 30271

Ion Ratio Lower Upper

56 100

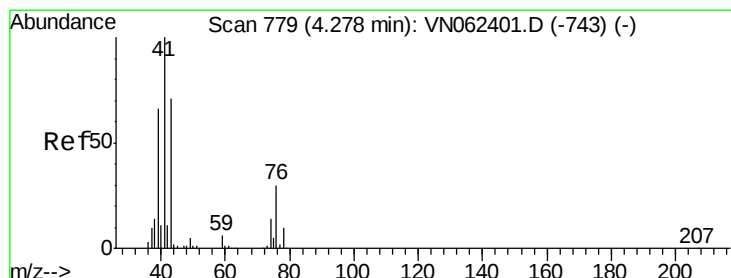
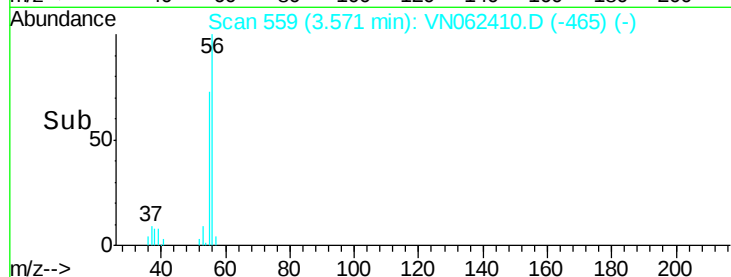
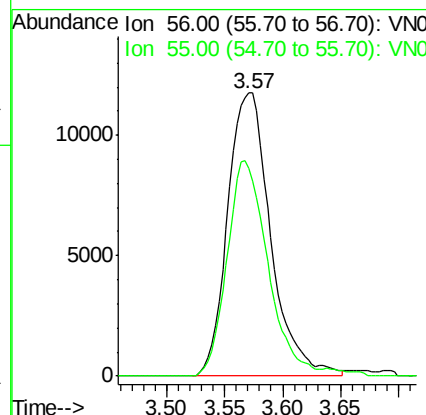
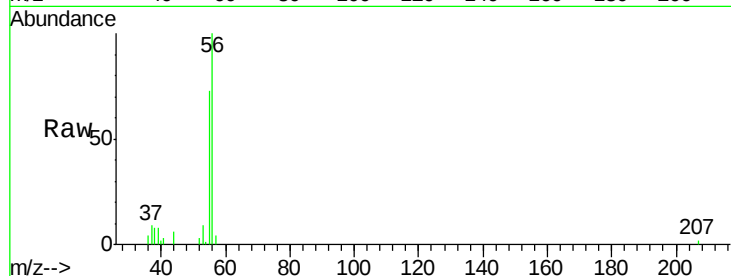
55 72.0 57.2 85.8

Manual Integrations

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MMDadoda

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#14

Allyl chloride

Concen: 19.926 ug/l

RT: 4.28 min Scan# 779

Delta R.T. 0.00 min

Lab File: VN062410.D

Acq: 8 Jul 2020 16:14

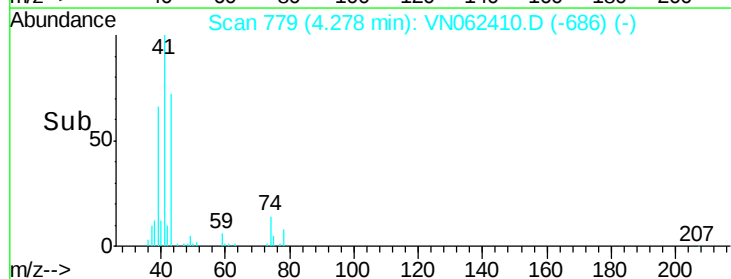
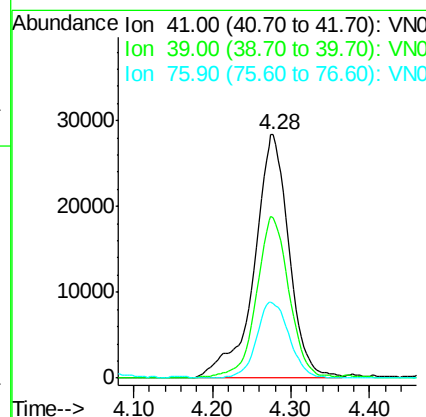
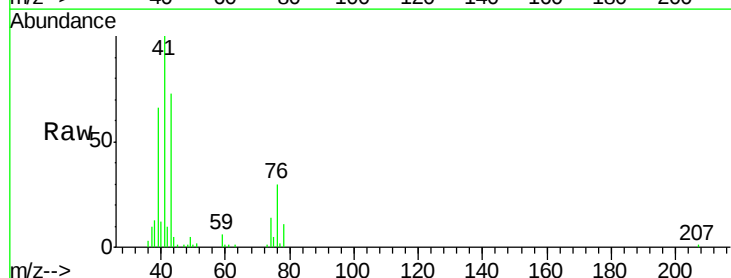
Tgt Ion: 41 Resp: 89026

Ion Ratio Lower Upper

41 100

39 62.5 49.6 74.4

76 29.2 22.2 33.4





#15

Acrylonitrile

Concen: 105.834 ug/l

RT: 4.93 min Scan# 983

Delta R.T. 0.00 min

Lab File: VN062410.D

Acq: 8 Jul 2020 16:14

Instrument :

MSVOA_N

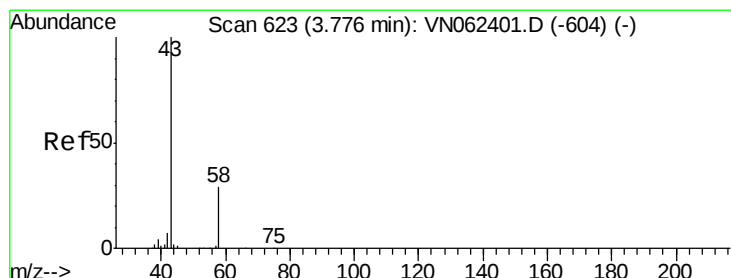
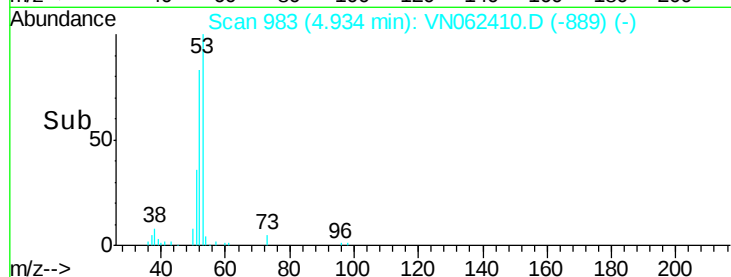
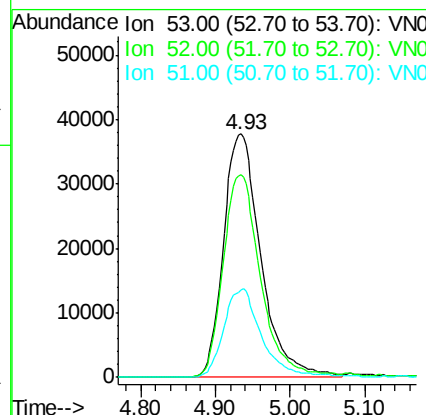
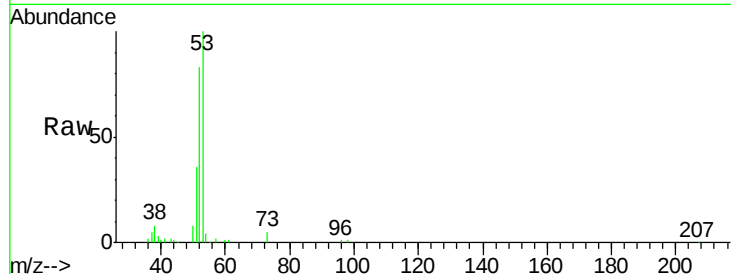
ClientSampled :

VN0708WBS01

Tot Ion:	53	Resp:	131075
Ion Ratio	Lower	Upper	
53	100		
52	82.8	66.2	99.4
51	36.8	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 93.806 ug/l

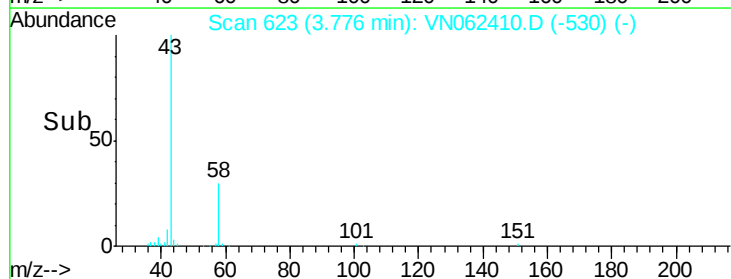
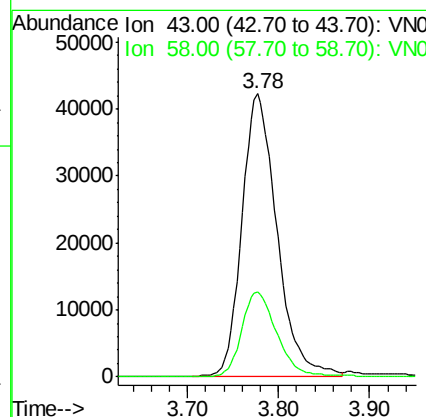
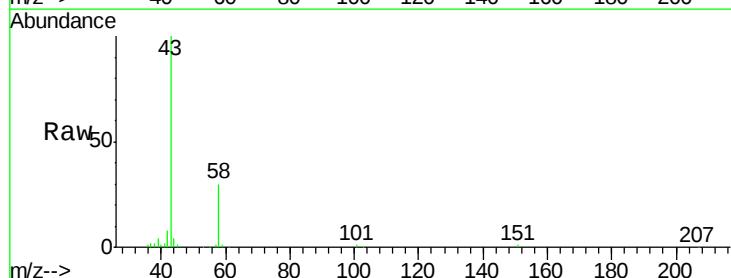
RT: 3.78 min Scan# 623

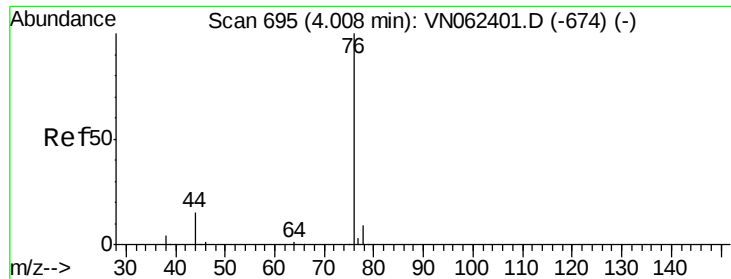
Delta R.T. 0.00 min

Lab File: VN062410.D

Acq: 8 Jul 2020 16:14

Tgt Ion:	43	Resp:	113374
Ion Ratio	Lower	Upper	
43	100		
58	29.8	23.5	35.3





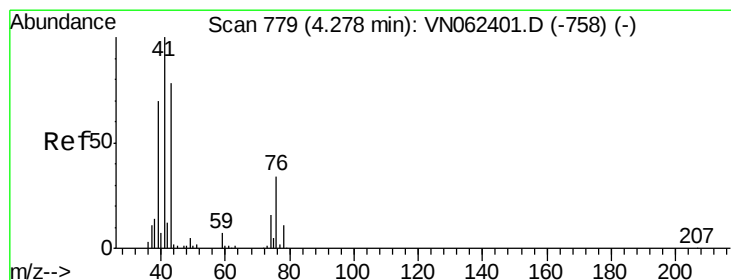
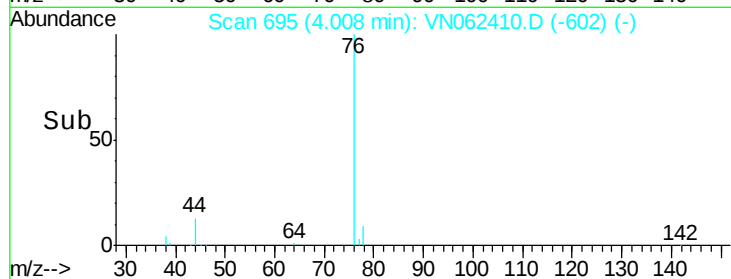
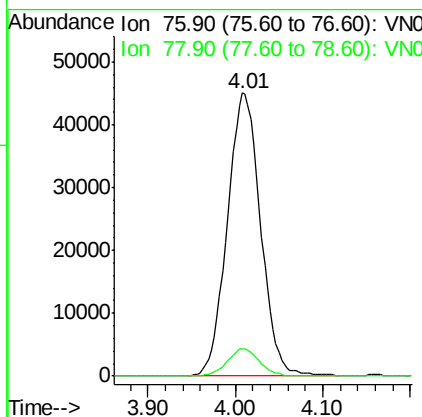
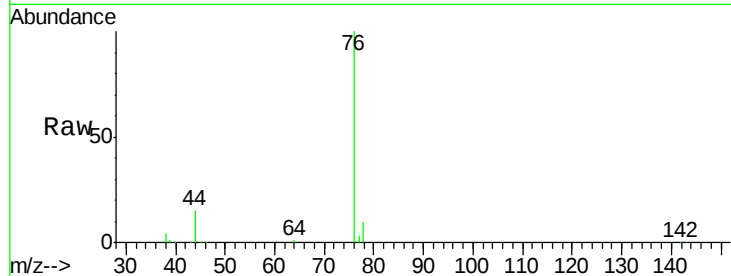
#17
Carbon Disulfide
Concen: 19.953 ug/l
RT: 4.01 min Scan# 695
Delta R.T. 0.00 min
Lab File: VN062410.D
Acq: 8 Jul 2020 16:14

Instrument :
MSVOA_N
ClientSampled :
VN0708WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.3	10.9

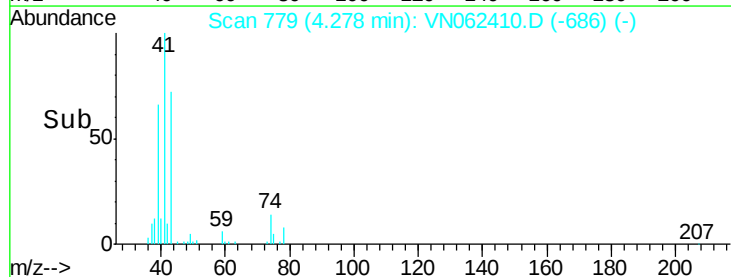
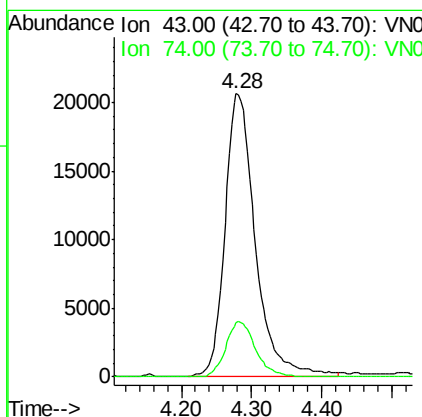
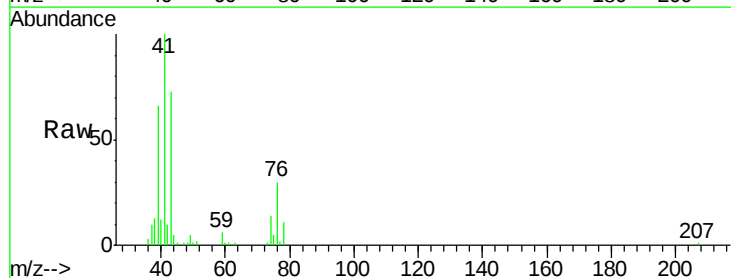
Manual Integrations
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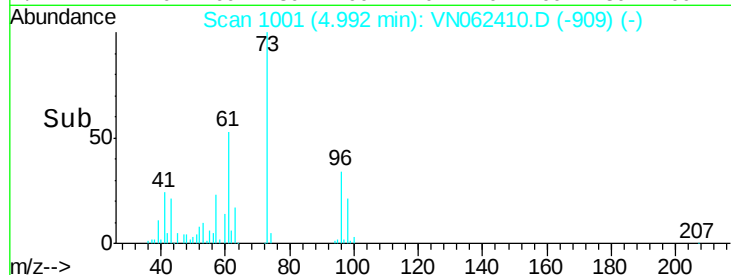
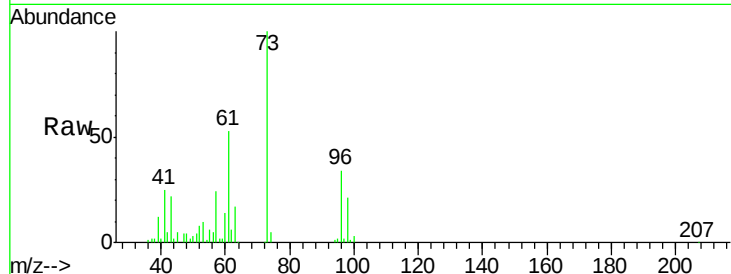
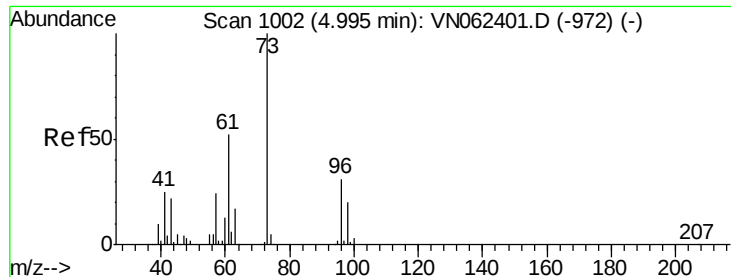
MMDadoda
7/9/2020 10:55:08 AM



#18
Methyl Acetate
Concen: 20.657 ug/l
RT: 4.28 min Scan# 779
Delta R.T. 0.00 min
Lab File: VN062410.D
Acq: 8 Jul 2020 16:14

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.0	16.0	24.0





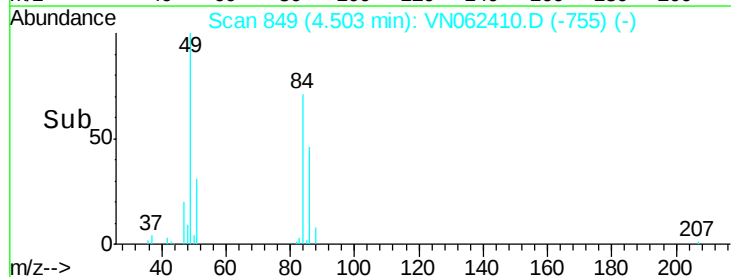
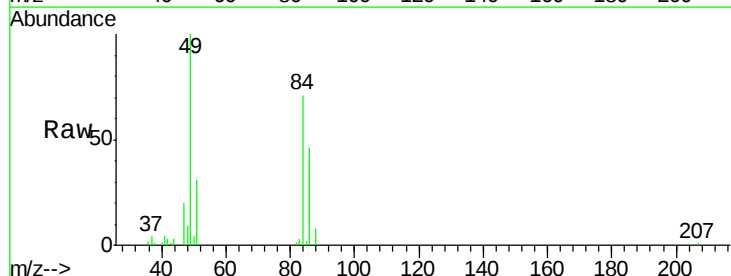
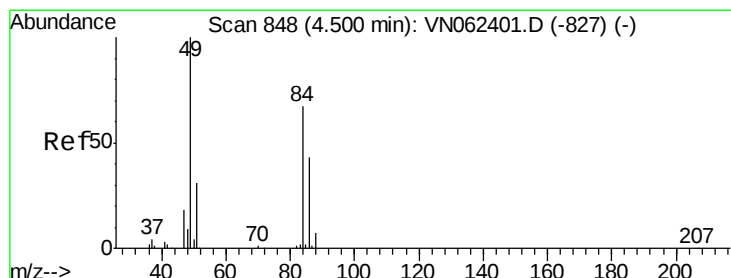
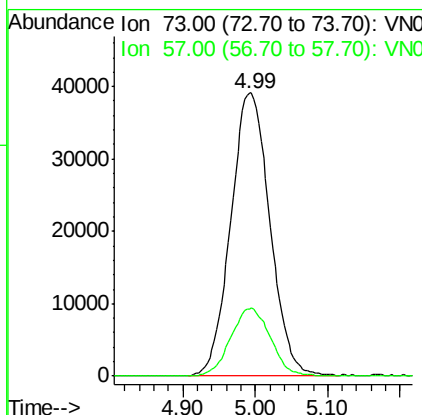
#19
Methvl tert-butvl Ether
Concen: 20.420 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VN062410.D
Acq: 8 Jul 2020 16:14

Tot Ion: 73 Resp: 147069
Ion Ratio Lower Upper
73 100
57 23.9 19.4 29.0

Instrument :
MSVOA_N
ClientSampleId :
VN0708WBS01

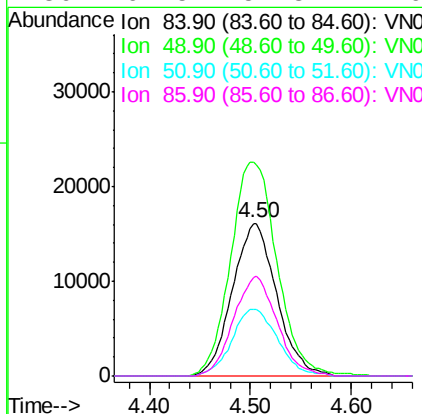
Manual Integrations
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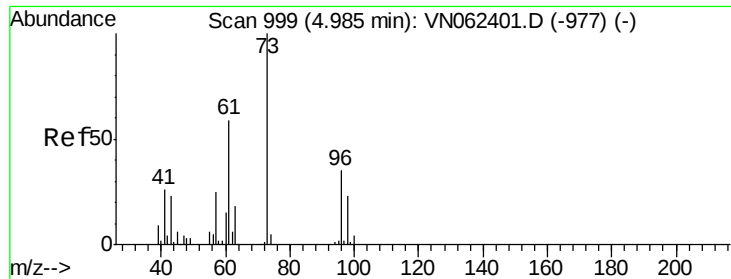
MMDadoda
7/9/2020 10:55:08 AM



#20
Methylene Chloride
Concen: 19.015 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN062410.D
Acq: 8 Jul 2020 16:14

Tgt Ion: 84 Resp: 49137
Ion Ratio Lower Upper
84 100
49 139.9 120.0 180.0
51 43.8 37.0 55.6
86 64.5 51.8 77.6





#21

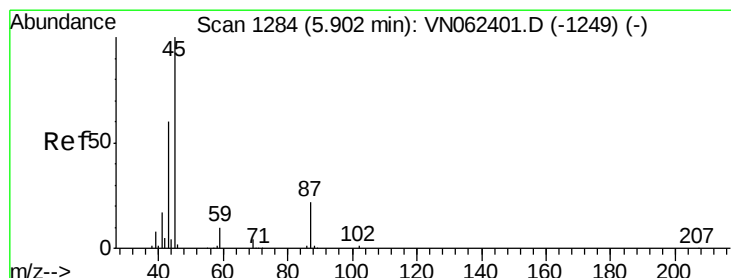
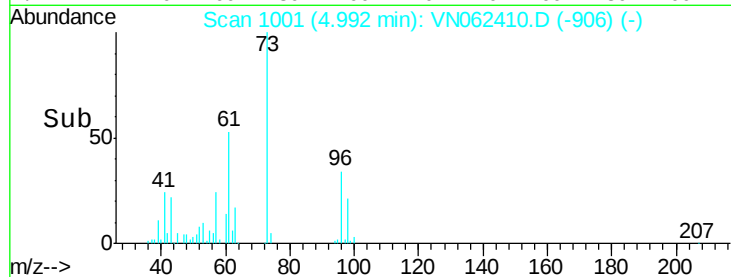
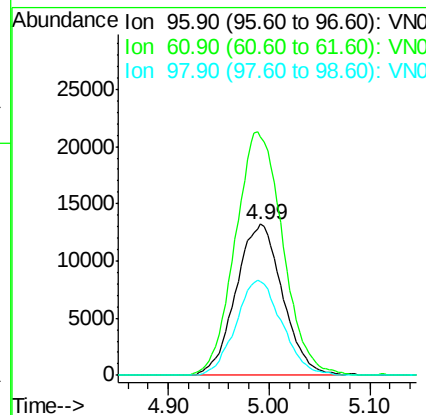
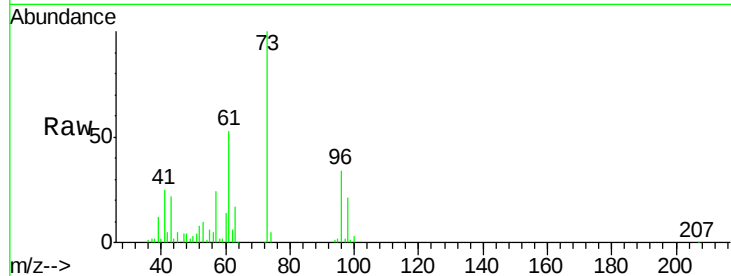
trans-1,2-Dichloroethene
Concen: 20.616 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. 0.01 min
Lab File: VN062410.D
Acq: 8 Jul 2020 16:14

Instrument :
MSVOA_N
ClientSampled :
VN0708WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	157.2	133.5	200.3
98	62.3	51.9	77.9

Manual Integrations
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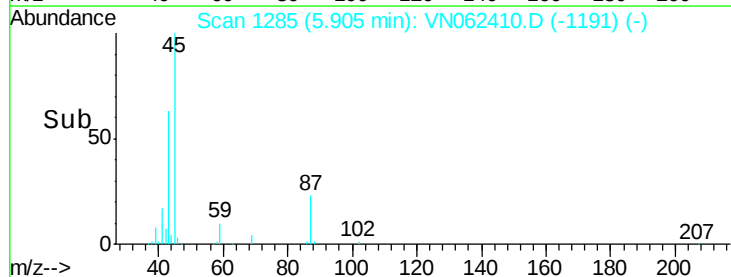
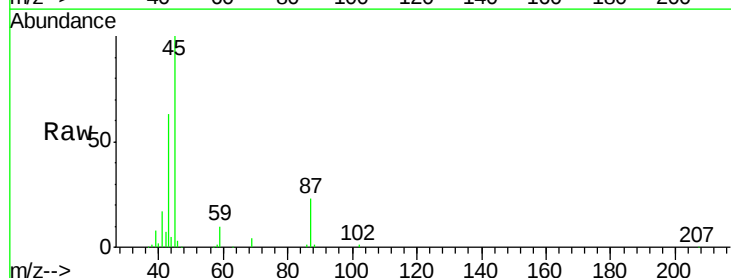
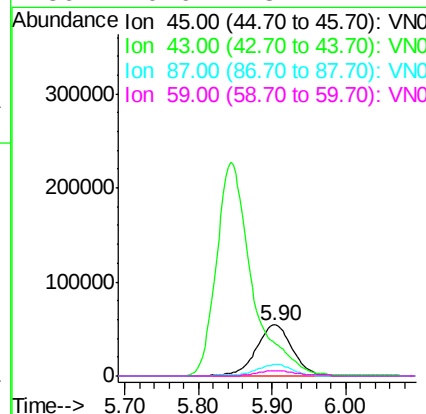
MMDadoda
7/9/2020 10:55:08 AM



#22

Diisopropyl ether
Concen: 21.011 ug/l
RT: 5.90 min Scan# 1285
Delta R.T. 0.00 min
Lab File: VN062410.D
Acq: 8 Jul 2020 16:14

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.5	50.1	75.1
87	22.7	18.2	27.4
59	9.9	8.2	12.2





#23

Vinyl Acetate

Concen: 104.014 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN062410.D

Acq: 8 Jul 2020 16:14

Instrument :

MSVOA_N

ClientSampled :

VN0708WBS01

Tot Ion: 43 Resp: 760551

Ion Ratio Lower Upper

43 100

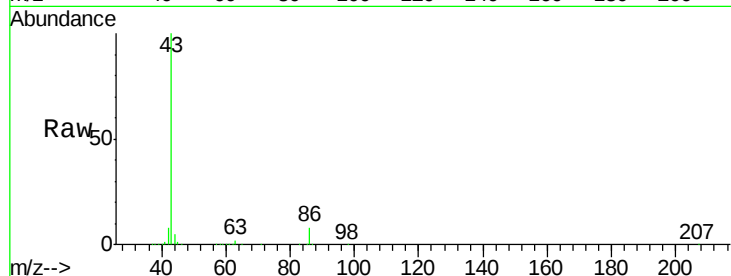
86 7.9 6.7 10.1

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

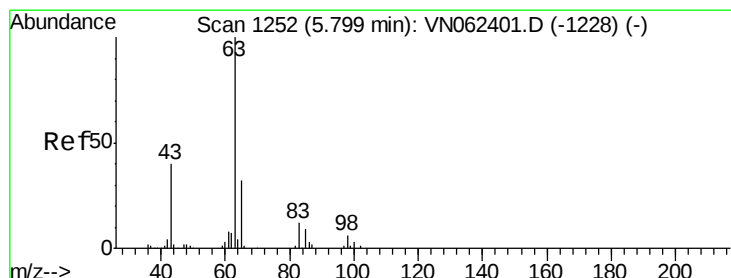
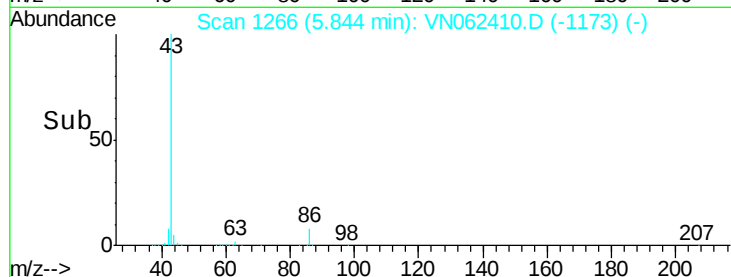
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.711 ug/l

RT: 5.80 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VN062410.D

Acq: 8 Jul 2020 16:14

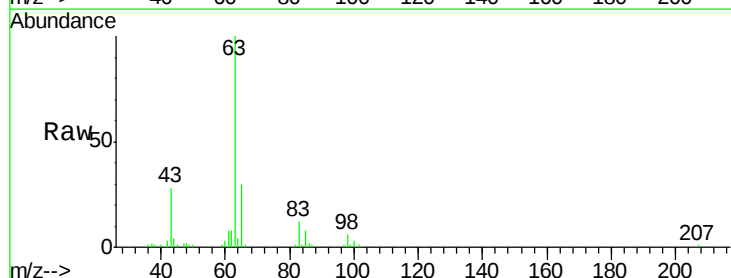
Tgt Ion: 63 Resp: 94464

Ion Ratio Lower Upper

63 100

98 5.6 2.9 8.8

100 3.4 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

40000

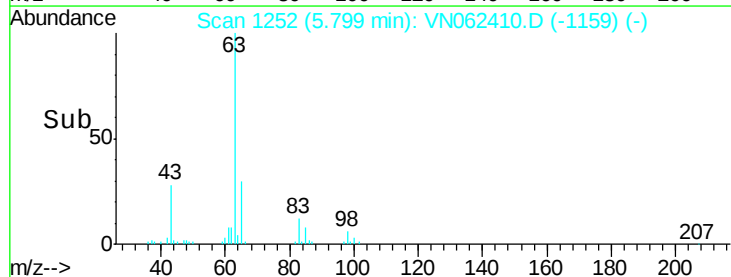
30000

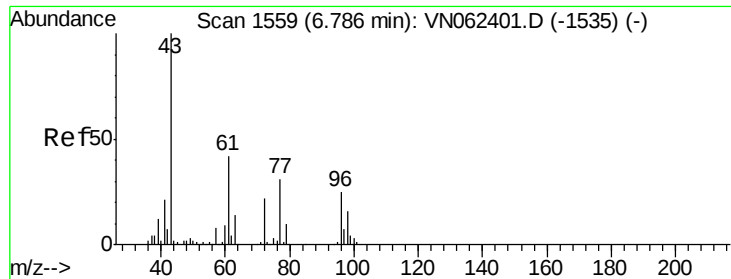
20000

10000

0

Time-->





#25

2-Butanone

Concen: 102.609 ug/l

RT: 6.79 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VN062410.D

Acq: 8 Jul 2020 16:14

Tot Ion: 43 Resp: 181115

Ion Ratio Lower Upper

43 100

72 22.3 17.9 26.9

Instrument :

MSVOA_N

ClientSampled :

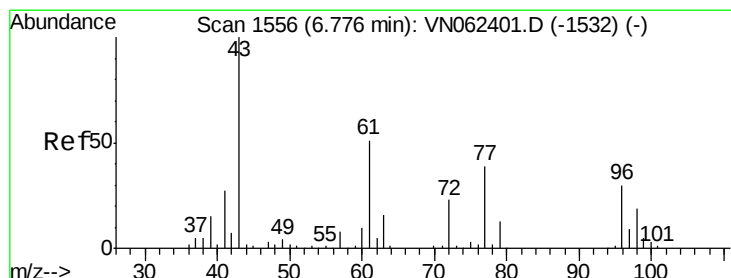
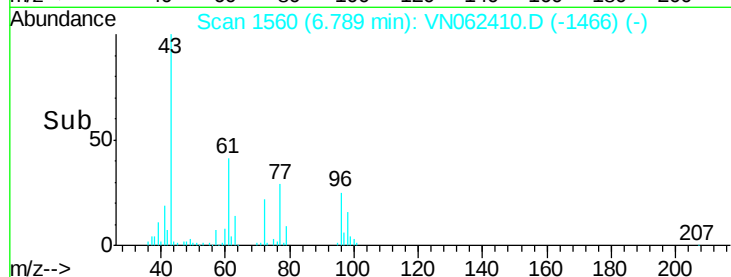
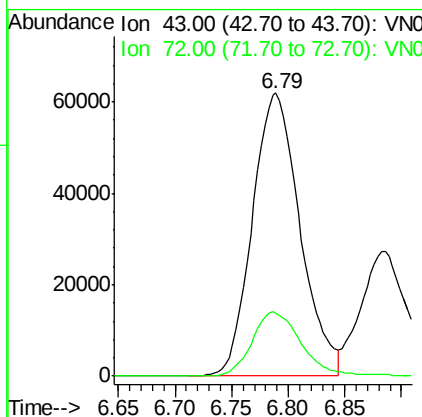
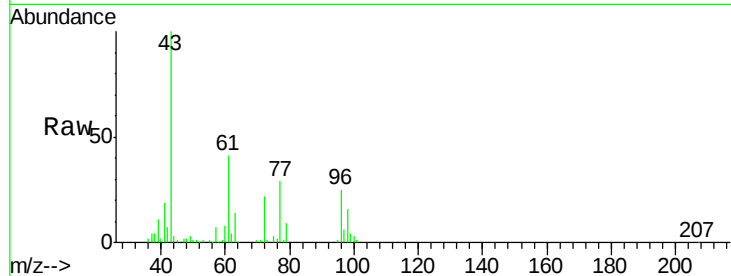
VN0708WBS01

Manual Integrations

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MMDadoda

7/9/2020 10:55:08 AM



#26

2,2-Dichloropropane

Concen: 19.723 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. 0.00 min

Lab File: VN062410.D

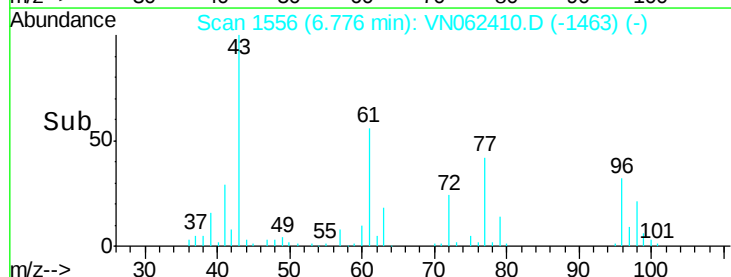
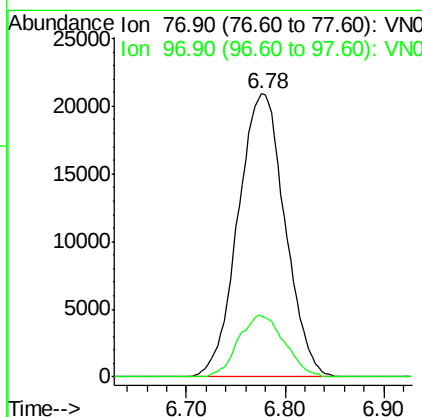
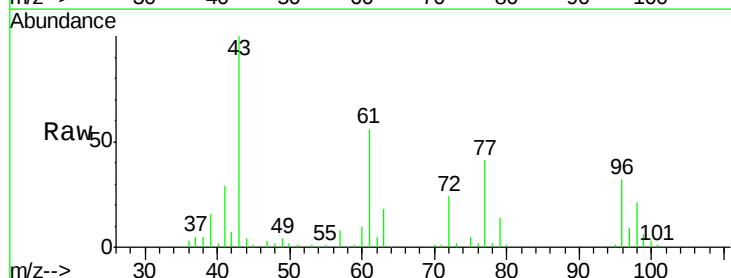
Acq: 8 Jul 2020 16:14

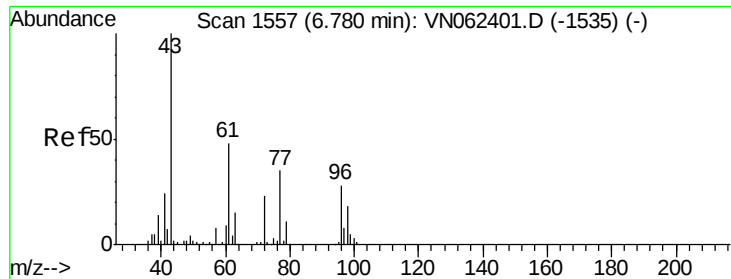
Tgt Ion: 77 Resp: 68978

Ion Ratio Lower Upper

77 100

97 21.3 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 21.025 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VN062410.D

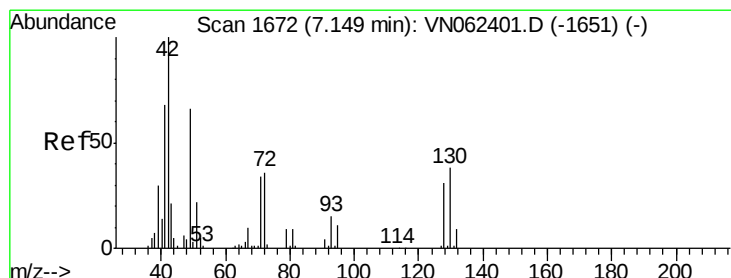
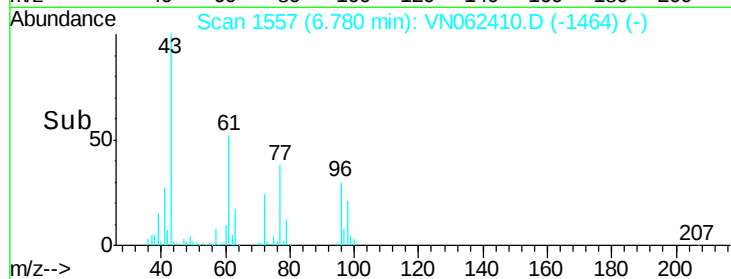
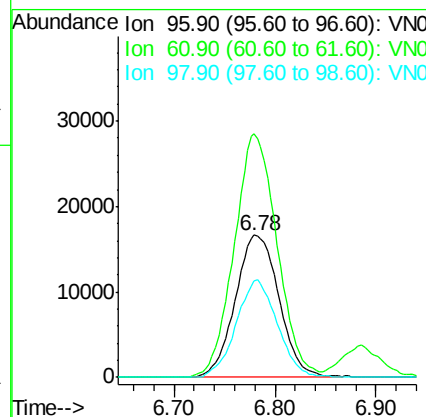
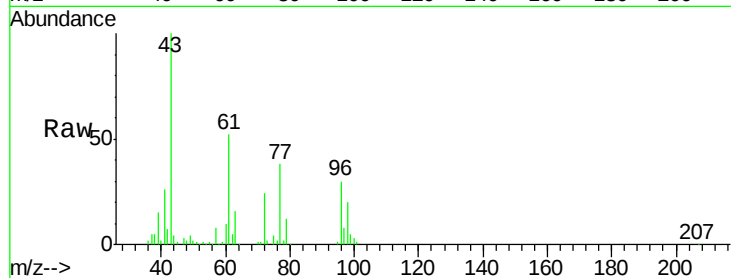
Acq: 8 Jul 2020 16:14

Instrument :
MSVOA_N
ClientSampled :
VN0708WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	167.9	0.0	343.4	
98	64.3	0.0	128.4	

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#28

Bromochloromethane

Concen: 19.057 ug/l

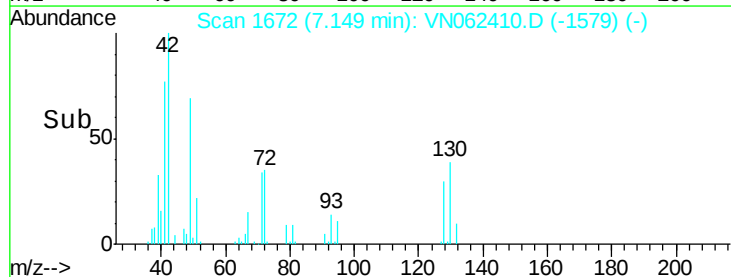
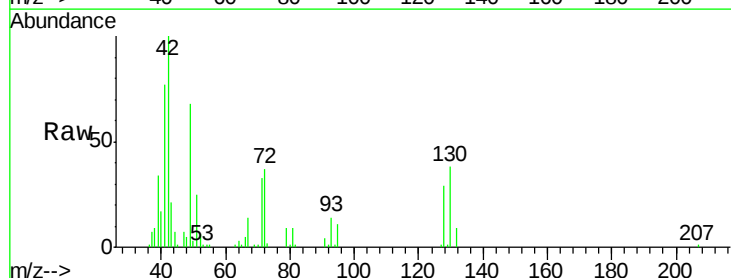
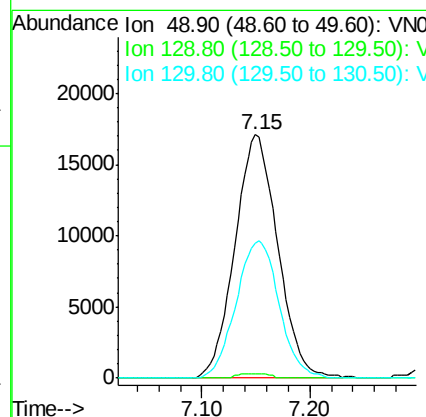
RT: 7.15 min Scan# 1672

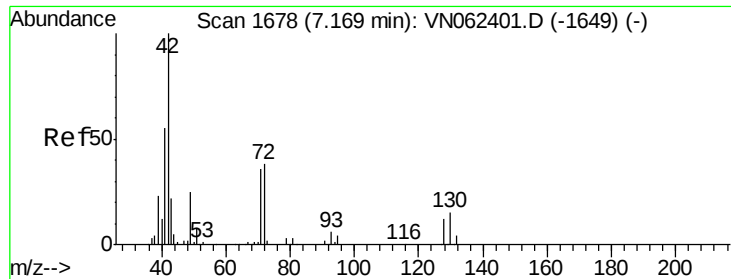
Delta R.T. 0.00 min

Lab File: VN062410.D

Acq: 8 Jul 2020 16:14

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.7	0.0	2.8	
130	56.4	46.5	69.7	





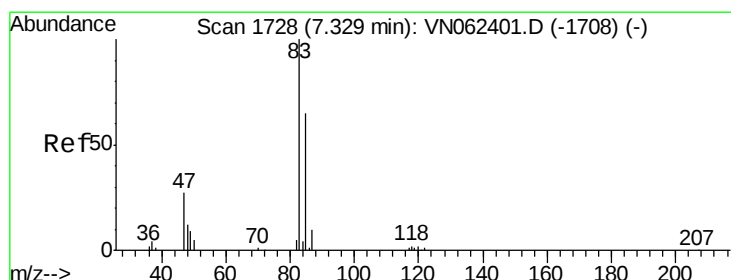
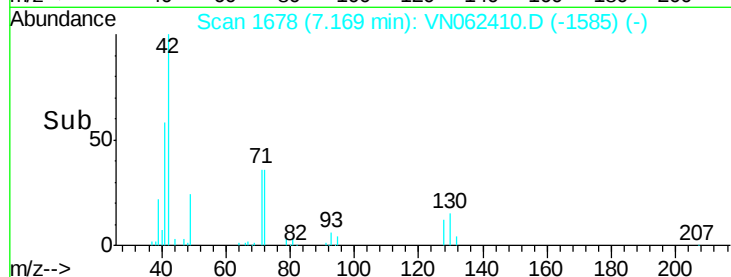
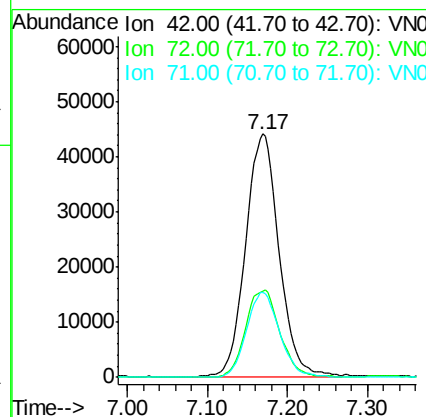
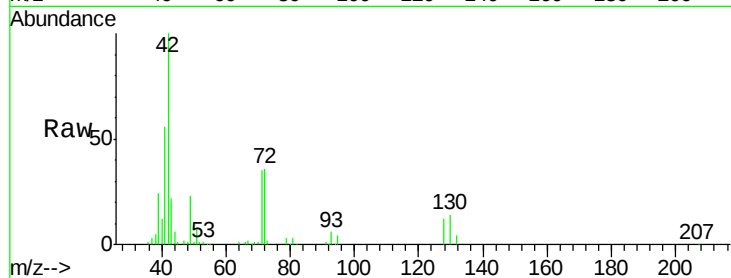
#29
Tetrahydrofuran
Concen: 105.862 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN062410.D
Acq: 8 Jul 2020 16:14

Instrument :
MSVOA_N
ClientSampleId :
VN0708WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.6	29.1	43.7
71	34.3	28.1	42.1

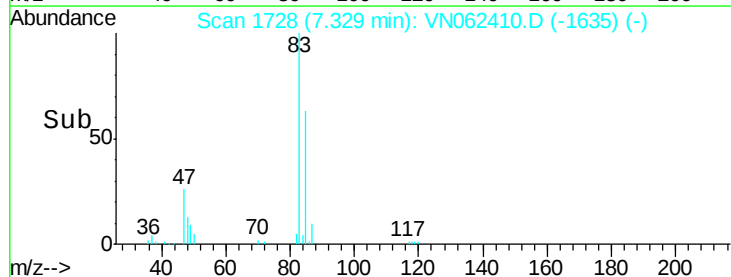
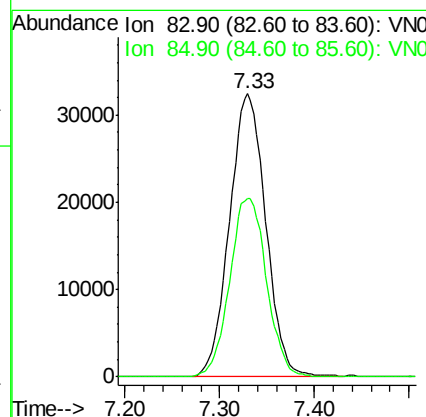
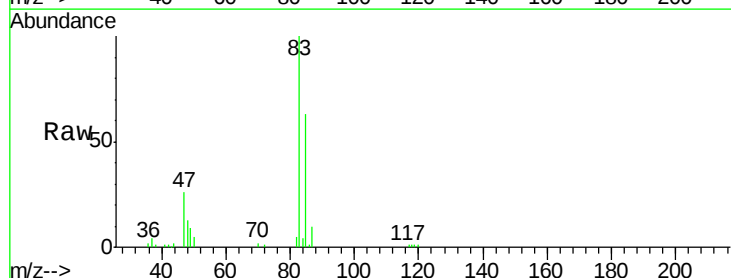
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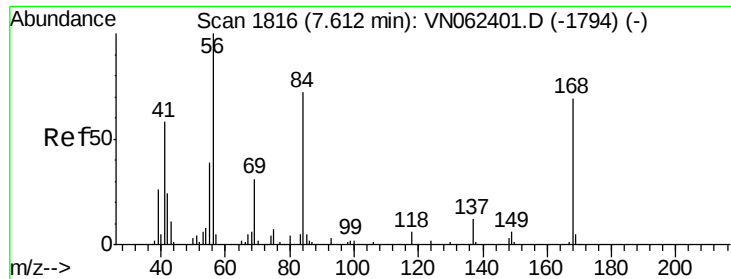
MMDadoda
7/9/2020 10:55:08 AM



#30
Chloroform
Concen: 20.975 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN062410.D
Acq: 8 Jul 2020 16:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.9	51.8	77.6





#31

Cyclohexane

Concen: 19.663 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VN062410.D

Acq: 8 Jul 2020 16:14

Instrument :

MSVOA_N

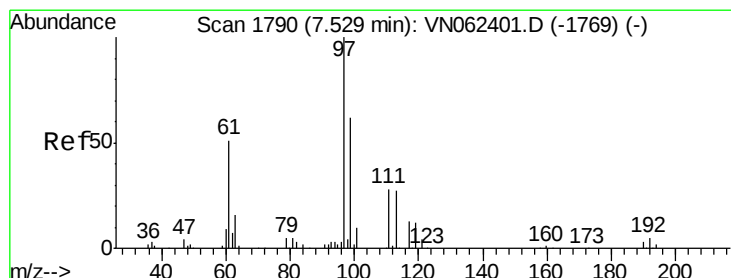
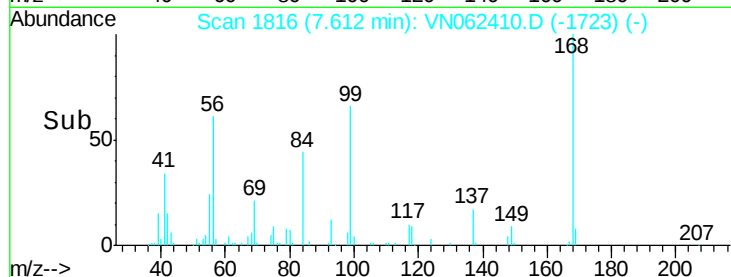
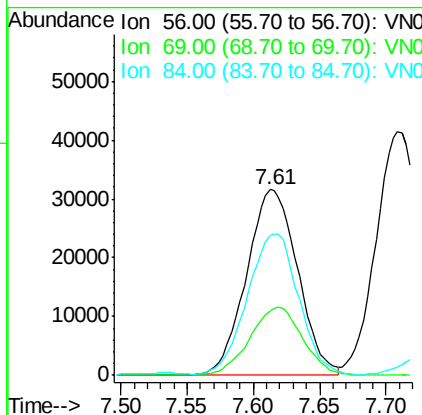
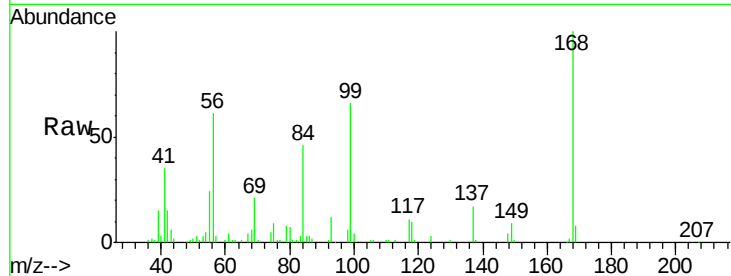
ClientSampleId :

VN0708WBS01

Tot Ion:	56	Resp:	85025
Ion Ratio	Lower	Upper	
56	100		
69	34.9	24.5	36.7
84	74.6	57.4	86.2

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#32

1,1,1-Trichloroethane

Concen: 20.440 ug/l

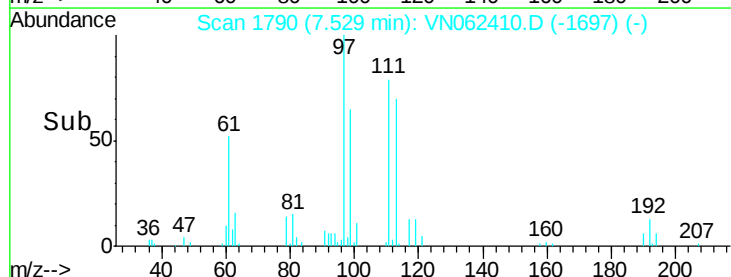
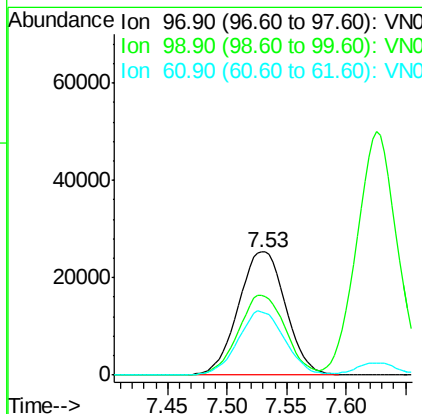
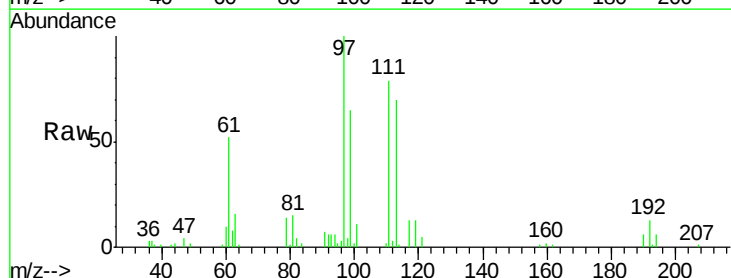
RT: 7.53 min Scan# 1790

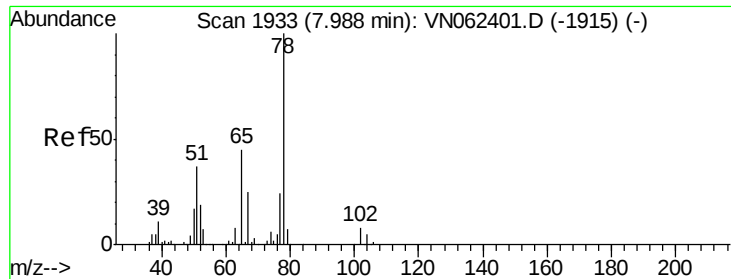
Delta R.T. 0.00 min

Lab File: VN062410.D

Acq: 8 Jul 2020 16:14

Tgt Ion:	97	Resp:	70019
Ion Ratio	Lower	Upper	
97	100		
99	64.5	50.4	75.6
61	51.1	39.9	59.9





#33

1,2-Dichloroethane-d4

Concen: 51.689 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN062410.D

Acq: 8 Jul 2020 16:14

Instrument :

MSVOA_N

ClientSampled :

VN0708WBS01

Tot Ion: 65 Resp: 147146

Ion Ratio Lower Upper

65 100

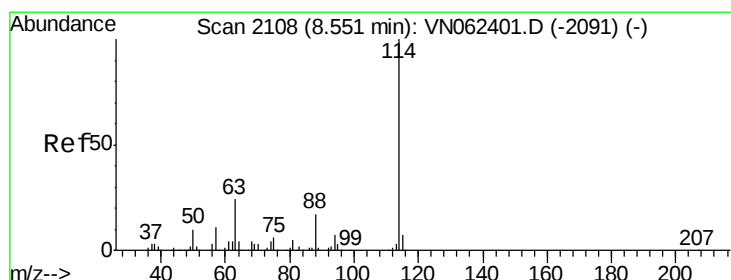
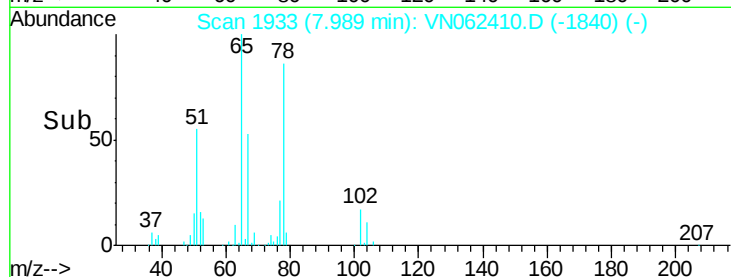
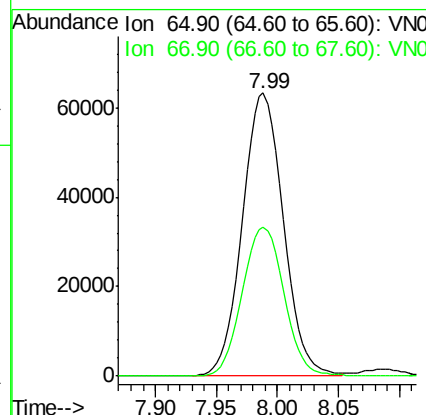
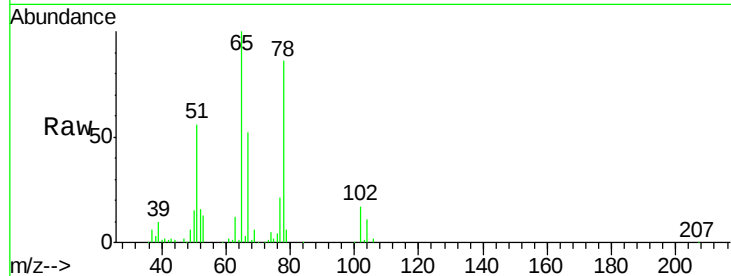
67 53.8 0.0 107.6

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VN062410.D

Acq: 8 Jul 2020 16:14

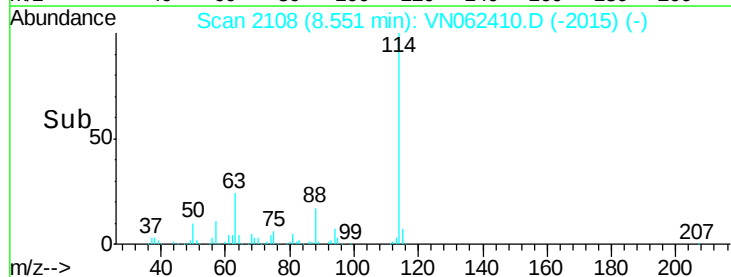
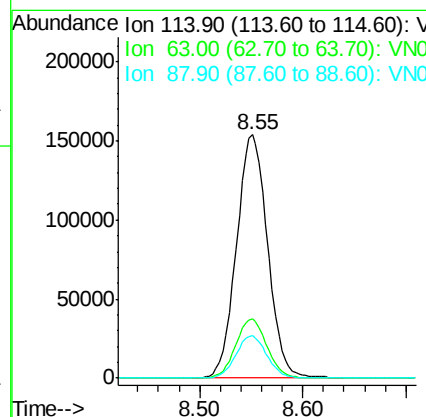
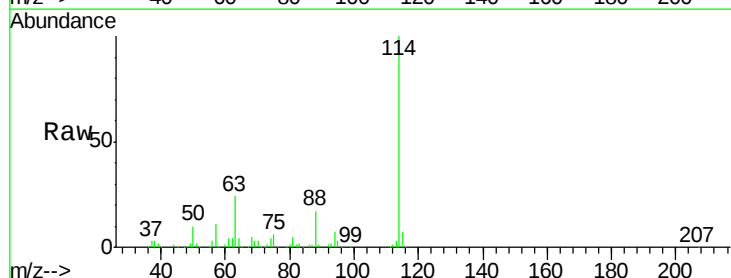
Tgt Ion: 114 Resp: 324006

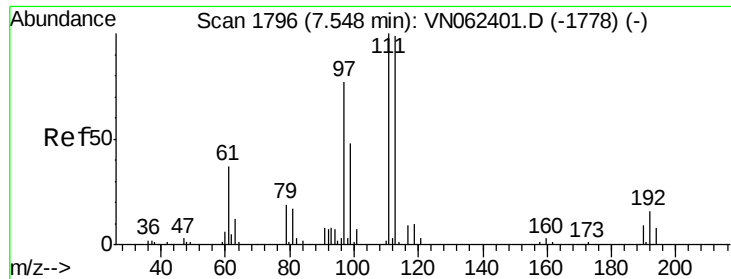
Ion Ratio Lower Upper

114 100

63 24.2 0.0 48.4

88 17.4 0.0 33.8





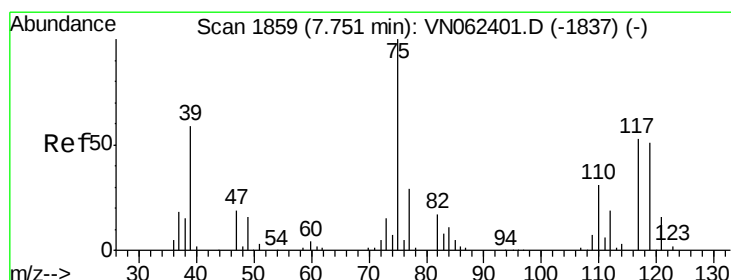
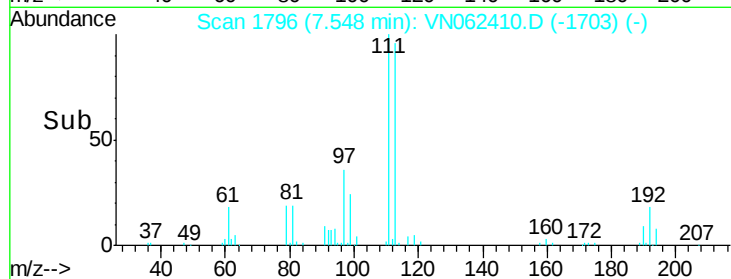
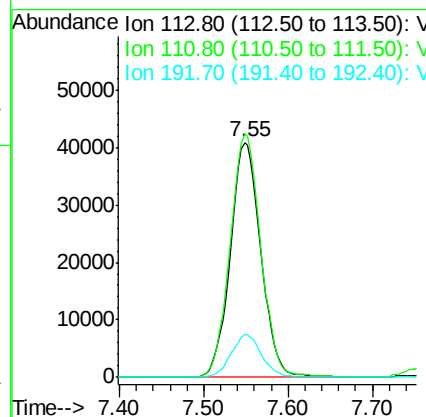
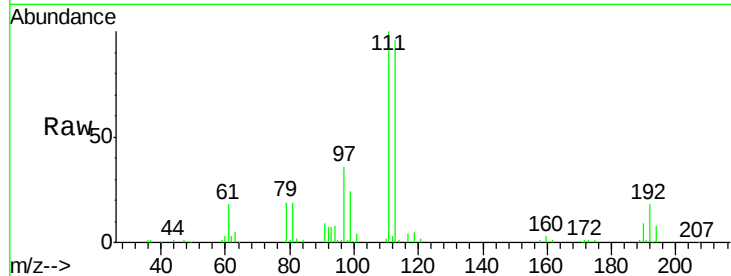
#35
Dibromofluoromethane
Concen: 51.249 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN062410.D
Acq: 8 Jul 2020 16:14

Instrument :
MSVOA_N
ClientSampled :
VN0708WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	104.5	83.1	124.7	
192	18.1	14.1	21.1	

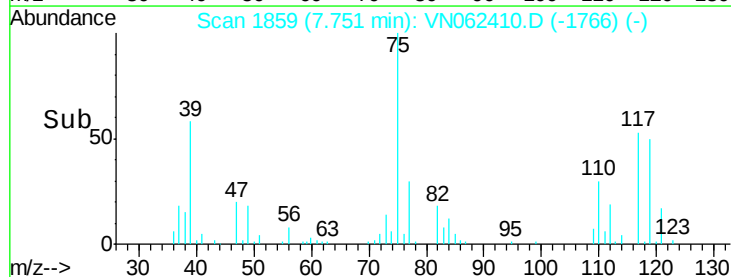
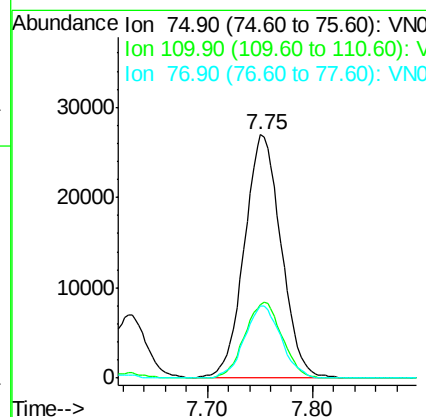
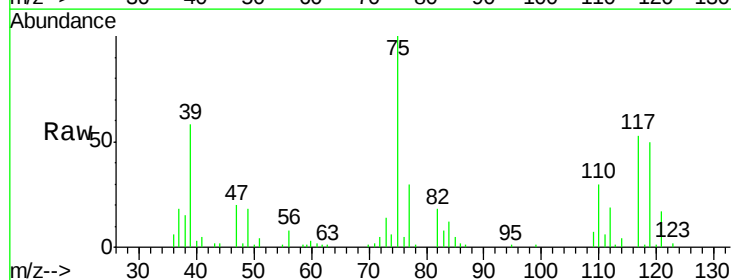
Manual Integrations
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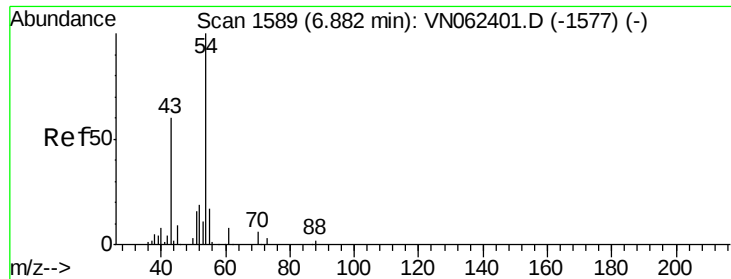
MMDadoda
7/9/2020 10:55:08 AM



#36
1,1-Dichloropropene
Concen: 20.032 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN062410.D
Acq: 8 Jul 2020 16:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	31.5	15.4	46.2	
77	29.4	24.1	36.1	





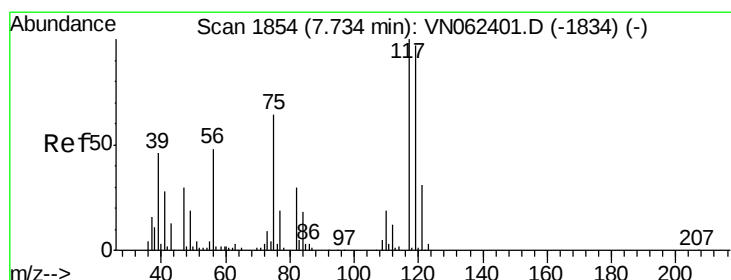
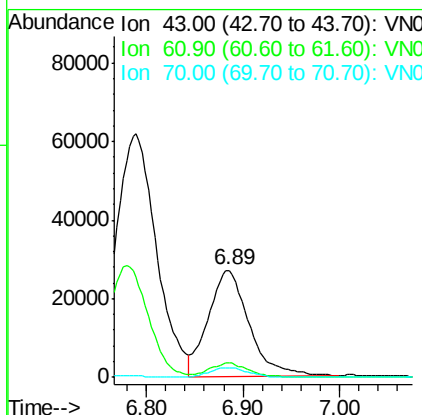
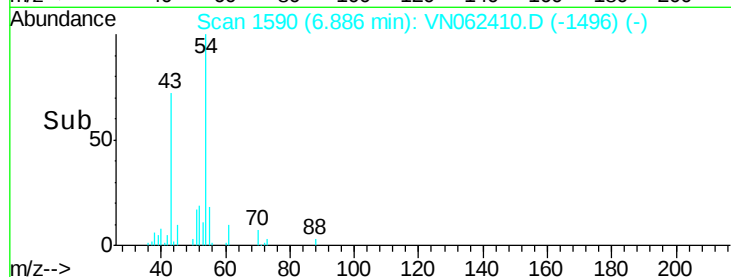
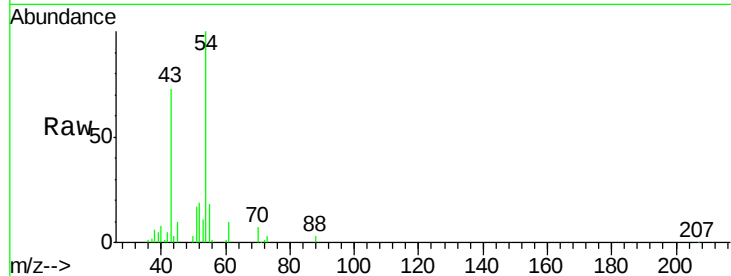
#37
Ethyl Acetate
Concen: 20.605 ug/l
RT: 6.89 min Scan# 1590
Delta R.T. 0.00 min
Lab File: VN062410.D
Acq: 8 Jul 2020 16:14

Instrument :
MSVOA_N
ClientSampleId :
VN0708WBS01

Tot Ion	43	61	70
Resp	78649		
Ratio	100	13.0	8.5
Lower		10.7	7.2
Upper		16.1	10.8

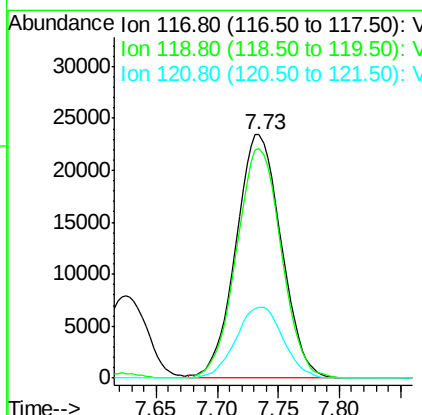
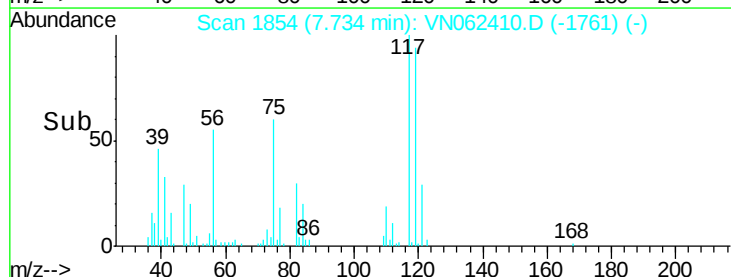
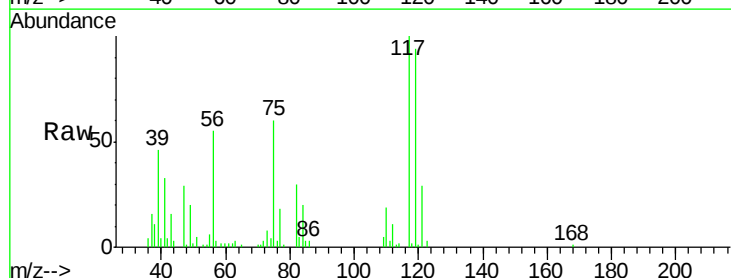
Manual Integrations
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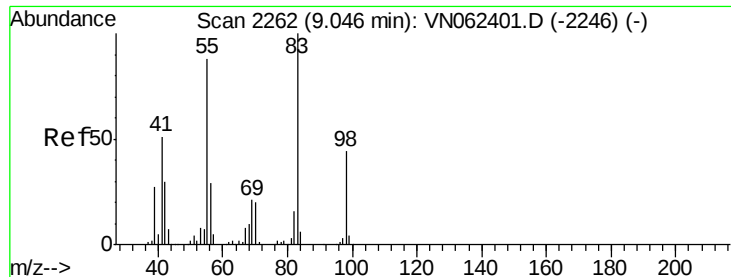
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#38
Carbon Tetrachloride
Concen: 20.538 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN062410.D
Acq: 8 Jul 2020 16:14

Tgt Ion	117	119	121
Resp	60273		
Ratio	100	94.5	29.2
Lower		77.2	24.8
Upper		115.8	37.2





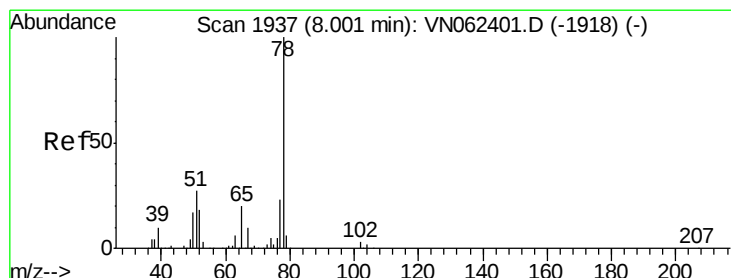
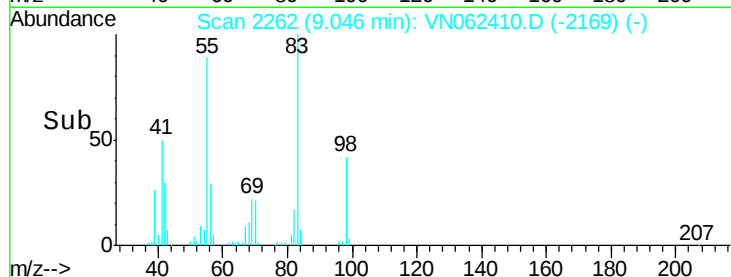
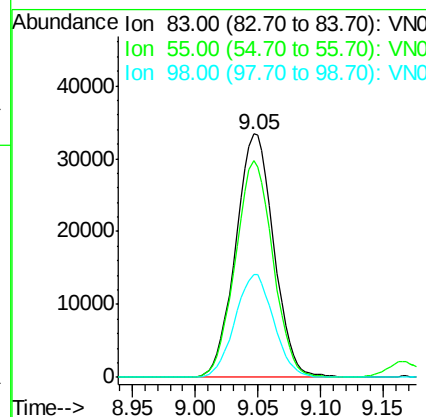
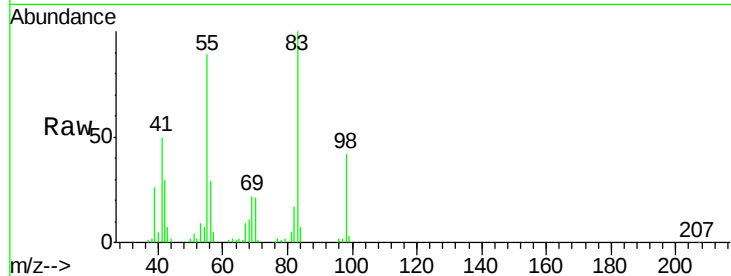
#39
Methvlcvclohexane
Concen: 20.205 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN062410.D
Acq: 8 Jul 2020 16:14

Instrument :
MSVOA_N
ClientSampleId :
VN0708WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.0	70.5	105.7
98	42.3	35.5	53.3

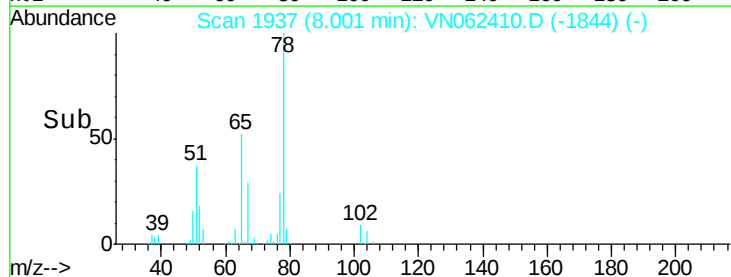
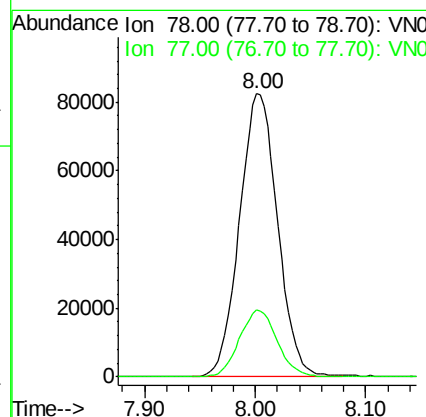
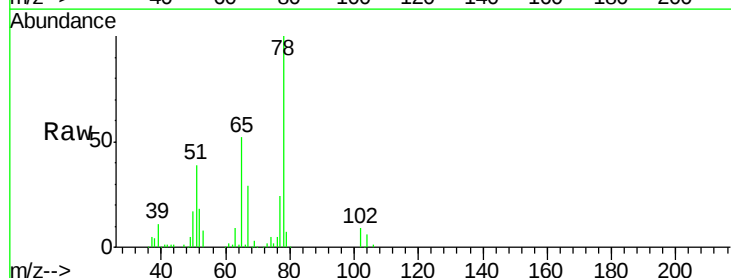
Manual Integrations
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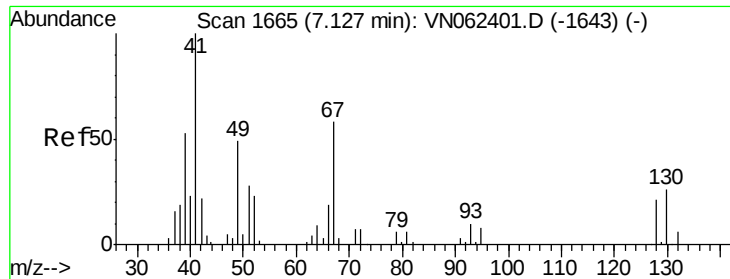
MMDadoda
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#40
Benzene
Concen: 20.495 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN062410.D
Acq: 8 Jul 2020 16:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.7	28.1





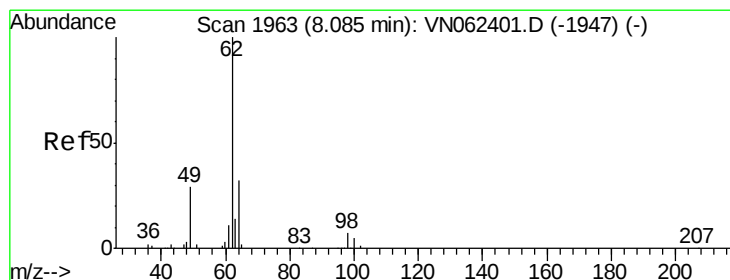
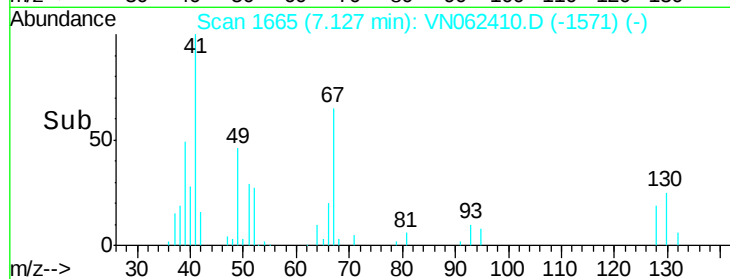
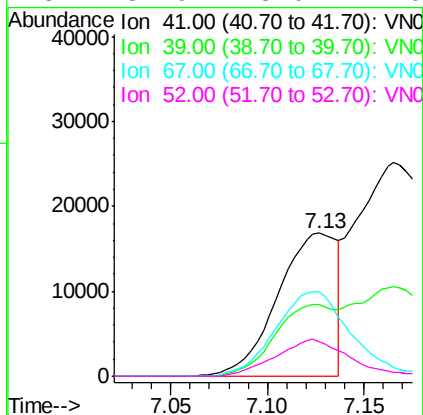
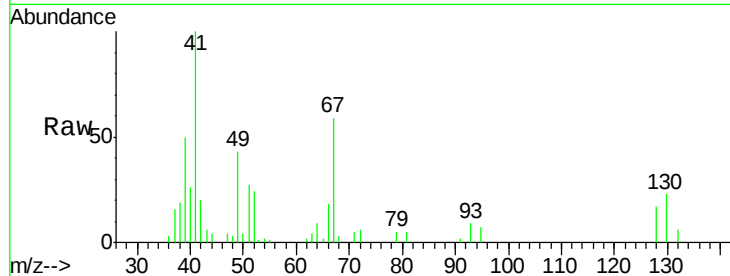
#41
Methacrylonitrile
Concen: 22.544 ug/l
RT: 7.13 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VN062410.D
Acq: 8 Jul 2020 16:14

Instrument :
MSVOA_N
ClientSampleId :
VN0708WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		35952		
39	51.5	50.2	75.2		
67	75.9	64.2	96.2		
52	32.9	28.0	42.0		

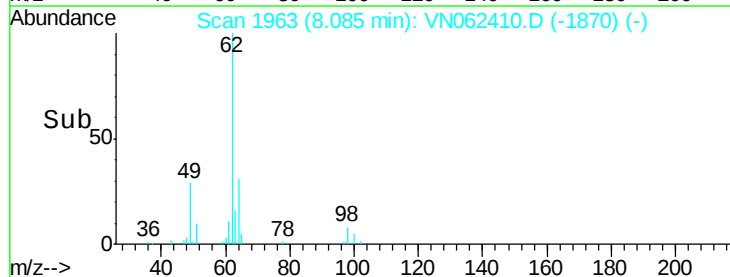
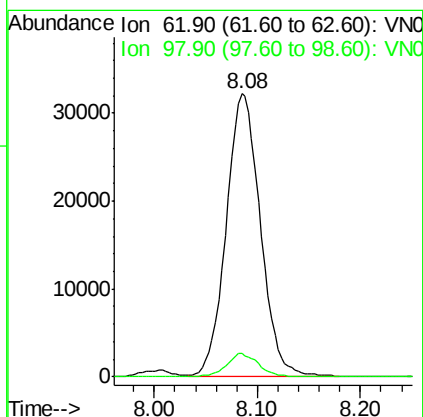
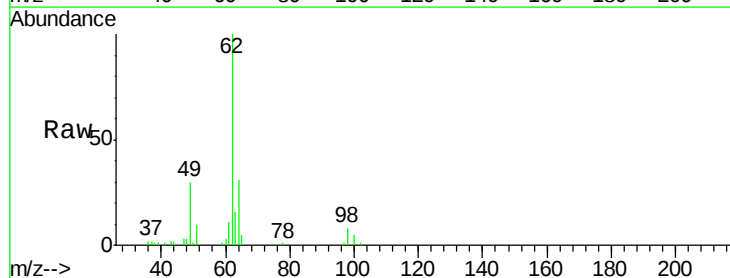
Manual Integrations
APPROVED

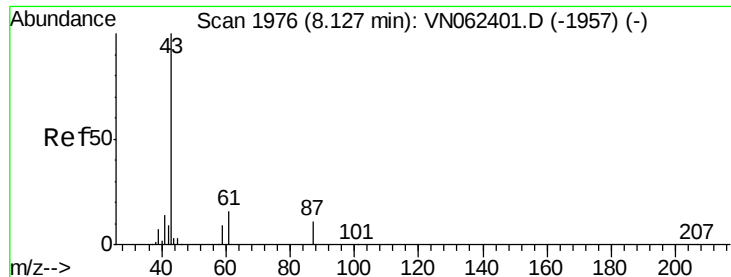
MMDadoda
7/9/2020 10:55:08 AM



#42
1,2-Dichloroethane
Concen: 21.169 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN062410.D
Acq: 8 Jul 2020 16:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		74571		
98	7.7	0.0	15.8		





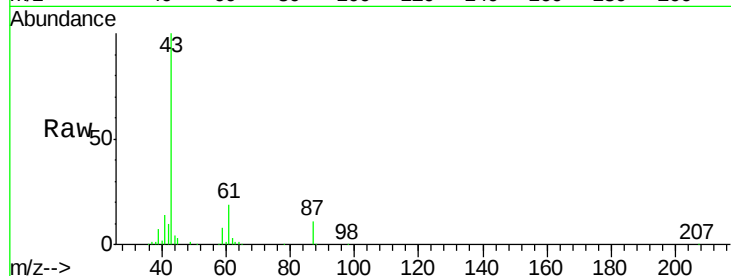
#43
Isopropyl Acetate
Concen: 20.505 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN062410.D
Acq: 8 Jul 2020 16:14

Instrument :
MSVOA_N
ClientSampled :
VN0708WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.6	19.3	28.9
87	11.0	8.6	13.0

Manual Integrations
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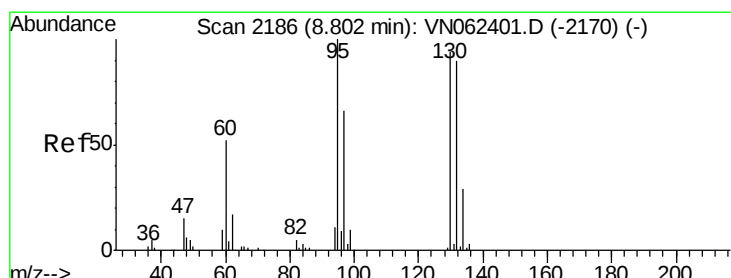
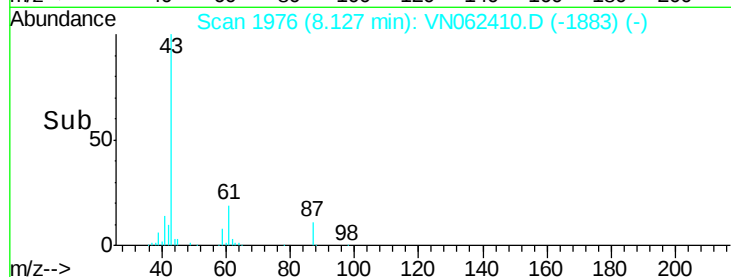
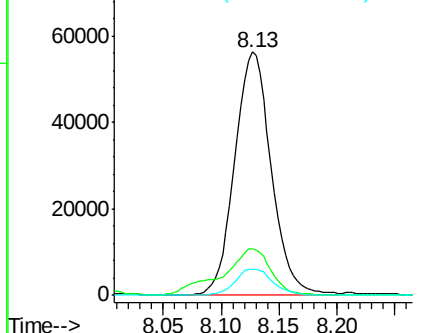
MMDadoda
7/9/2020 10:55:08 AM



Abundance Ion 43.00 (42.70 to 43.70): VN062410.D (-1957) (-)

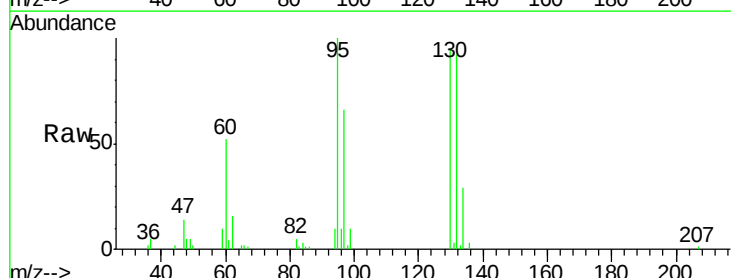
Ion 61.00 (60.70 to 61.70): VN062410.D (-1957) (-)

Ion 87.00 (86.70 to 87.70): VN062410.D (-1957) (-)



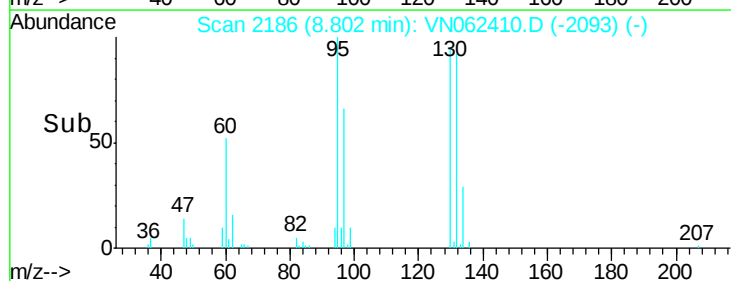
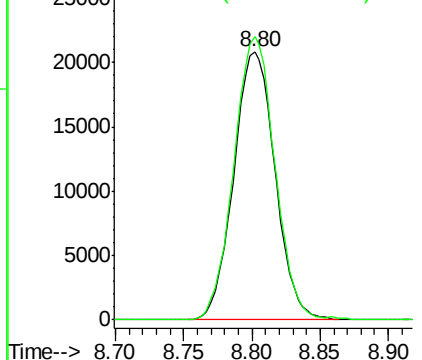
#44
Trichloroethene
Concen: 20.510 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. 0.00 min
Lab File: VN062410.D
Acq: 8 Jul 2020 16:14

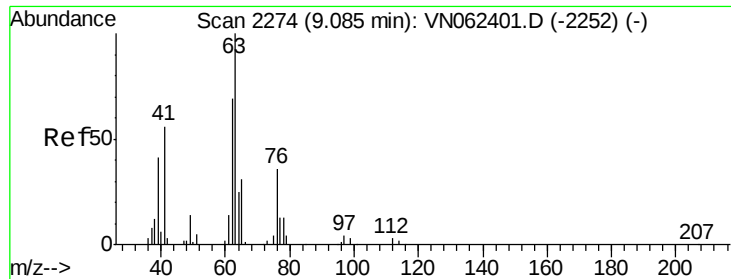
Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.5	0.0	213.8



Abundance Ion 129.80 (129.50 to 130.50): VN062410.D (-2170) (-)

Ion 94.90 (94.60 to 95.60): VN062410.D (-2170) (-)





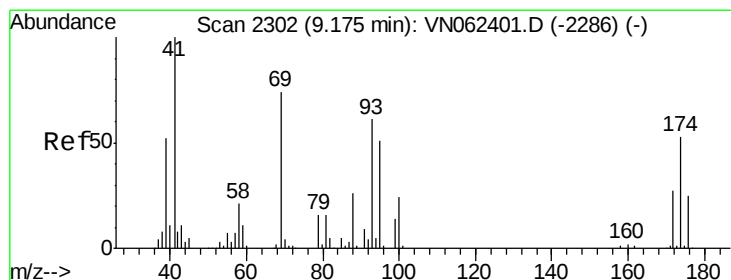
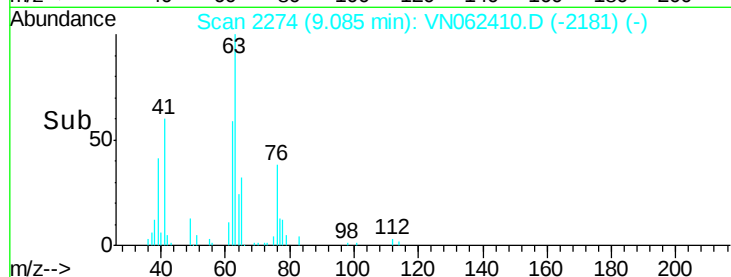
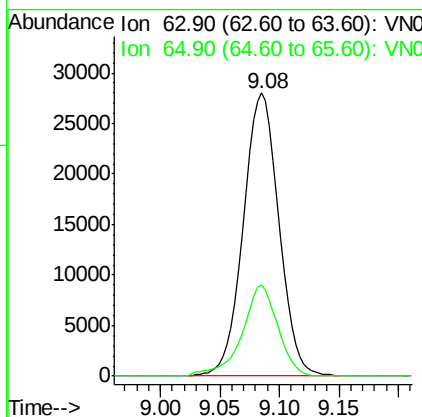
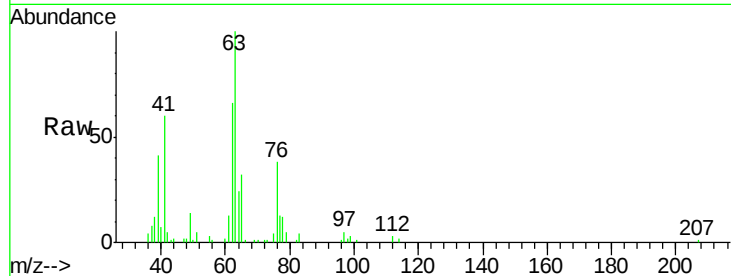
#45
 1,2-Dichloropropane
 Concen: 20.828 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VN062410.D
 Acq: 8 Jul 2020 16:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0708WBS01

Tot Ion: 63 Resp: 58169
 Ion Ratio Lower Upper
 63 100
 65 32.4 24.6 36.8

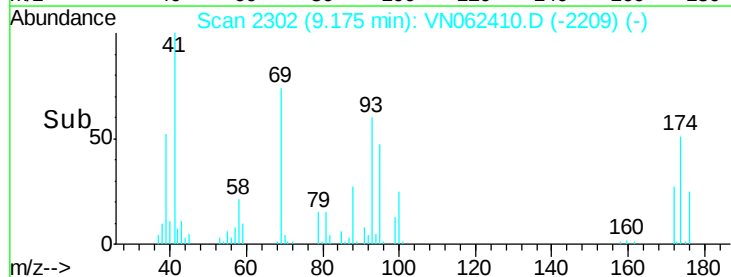
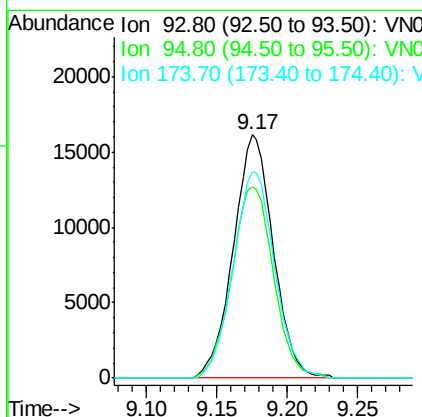
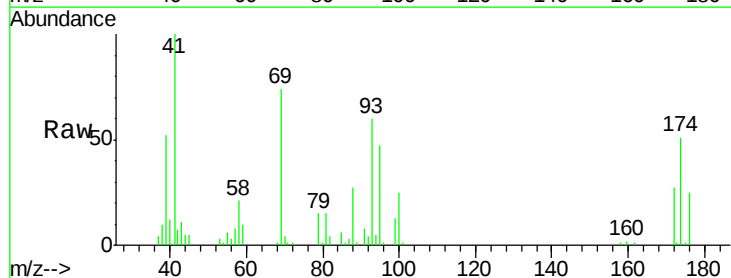
Manual Integrations
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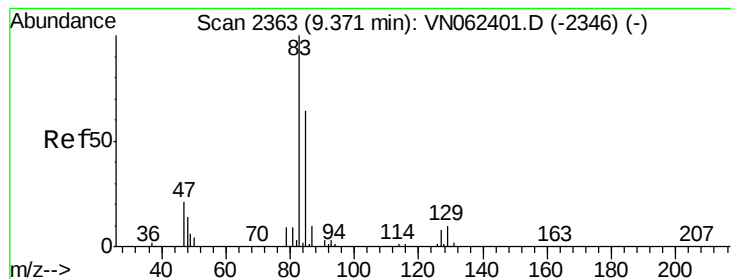
MMDadoda
 7/9/2020 10:55:08 AM



#46
 Dibromomethane
 Concen: 20.283 ug/l
 RT: 9.17 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: VN062410.D
 Acq: 8 Jul 2020 16:14

Tgt Ion: 93 Resp: 31967
 Ion Ratio Lower Upper
 93 100
 95 82.3 67.1 100.7
 174 87.9 70.4 105.6





#47

Bromodichloromethane

Concen: 20.278 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. 0.00 min

Lab File: VN062410.D

Acq: 8 Jul 2020 16:14

Instrument :

MSVOA_N

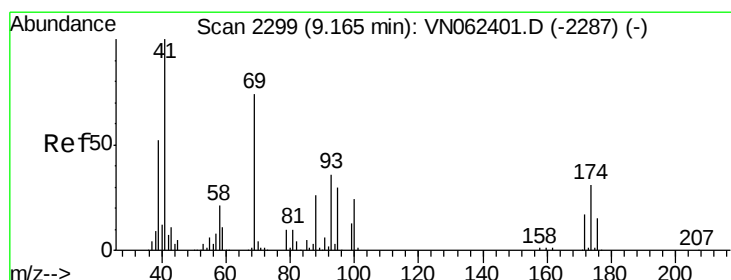
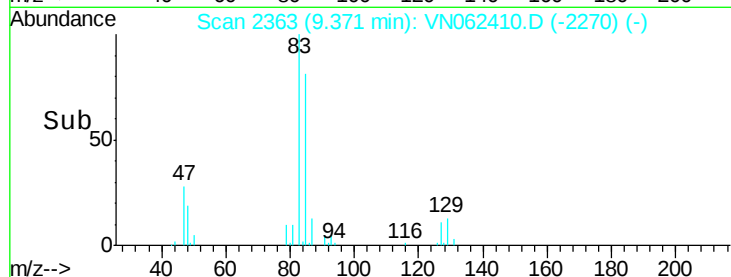
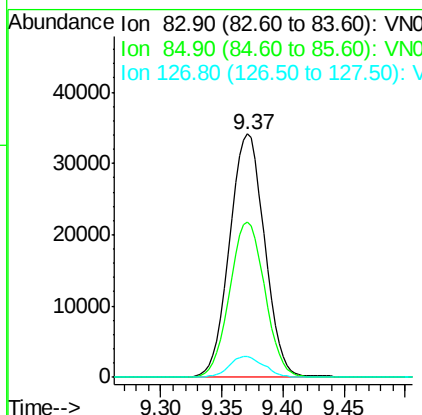
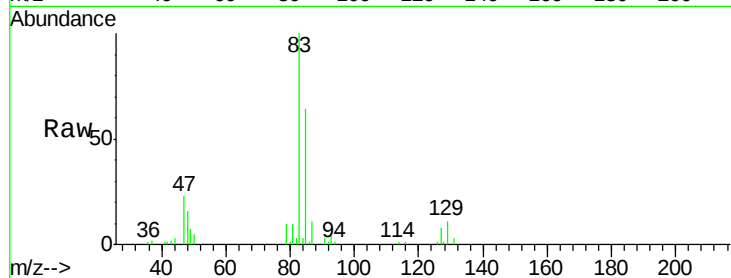
ClientSampleId :

VN0708WBS01

Tot Ion:	83	Resp:	68330
Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.2	76.8
127	8.5	6.2	9.2

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#48

Methyl methacrylate

Concen: 20.218 ug/l

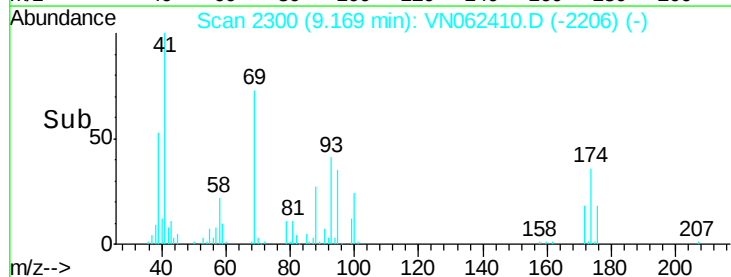
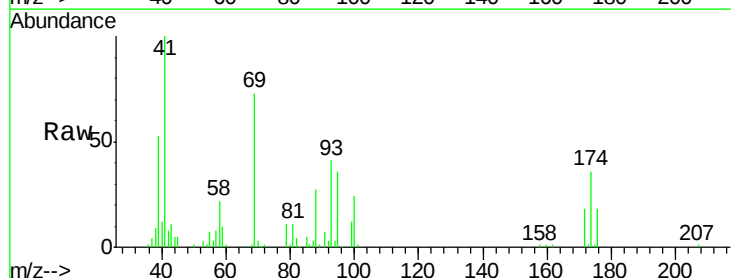
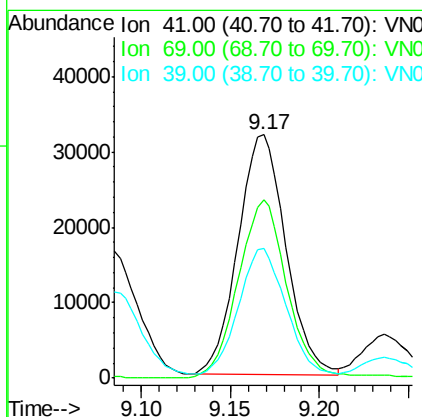
RT: 9.17 min Scan# 2300

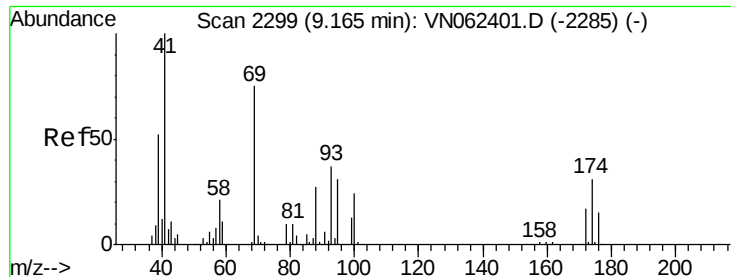
Delta R.T. 0.00 min

Lab File: VN062410.D

Acq: 8 Jul 2020 16:14

Tgt Ion:	41	Resp:	59802
Ion	Ratio	Lower	Upper
41	100		
69	75.2	60.8	91.2
39	55.0	43.5	65.3





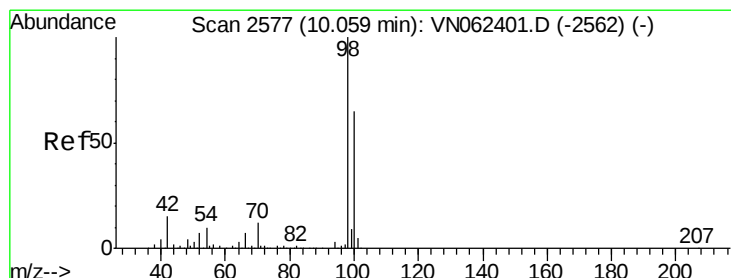
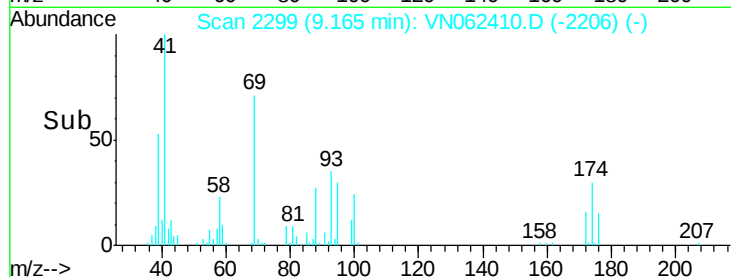
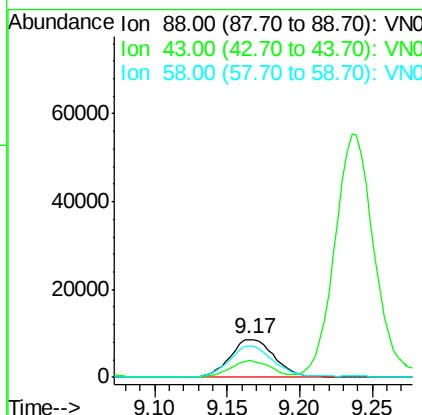
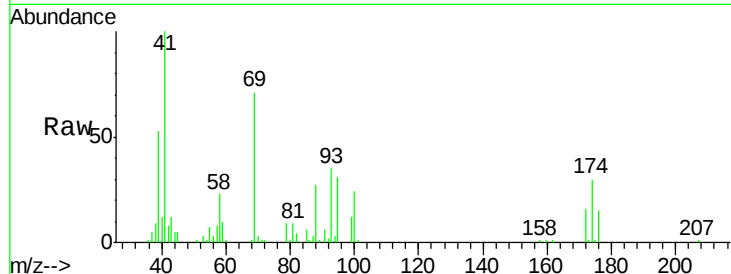
#49
1,4-Dioxane
Concen: 430.510 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN062410.D
Acq: 8 Jul 2020 16:14

Instrument :
MSVOA_N
ClientSampled :
VN0708WBS01

Tot Ion	Ratio	Resp	Lower	Upper
88	100	18534		
43	41.4	31.0	46.4	
58	82.2	63.3	94.9	

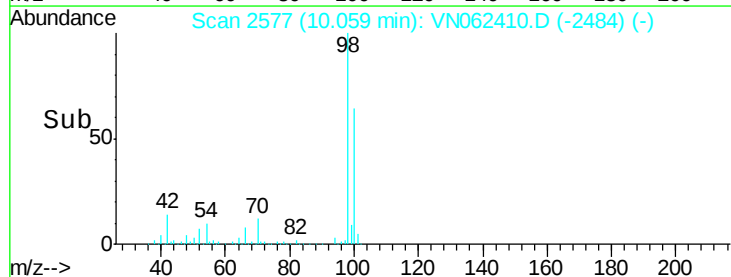
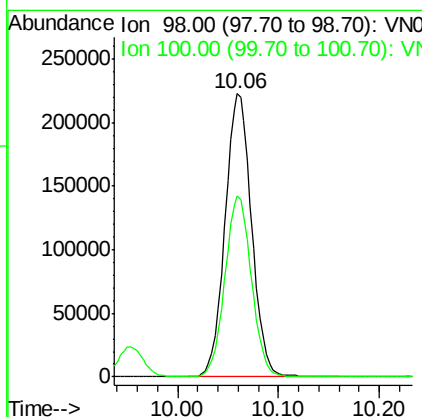
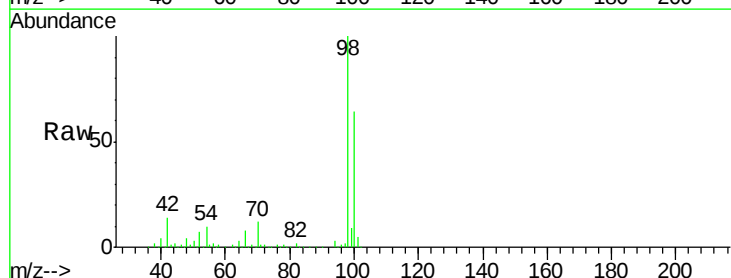
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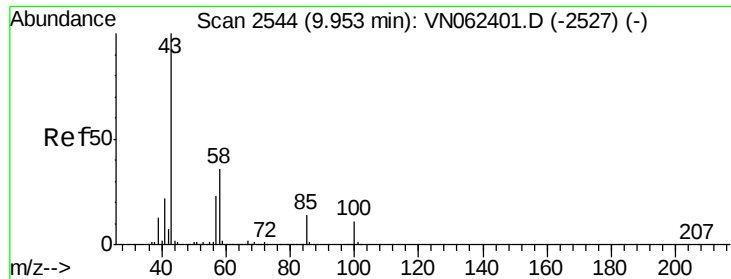
MMDadoda
7/9/2020 10:55:08 AM



#50
Toluene-d8
Concen: 51.700 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN062410.D
Acq: 8 Jul 2020 16:14

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	408763		
100	63.6	51.5	77.3	





#51

4-Methyl-2-Pentanone

Concen: 105.990 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN062410.D

Acq: 8 Jul 2020 16:14

Instrument :

MSVOA_N

ClientSampleId :

VN0708WBS01

Tot Ion: 43 Resp: 381721

Ion Ratio Lower Upper

43 100

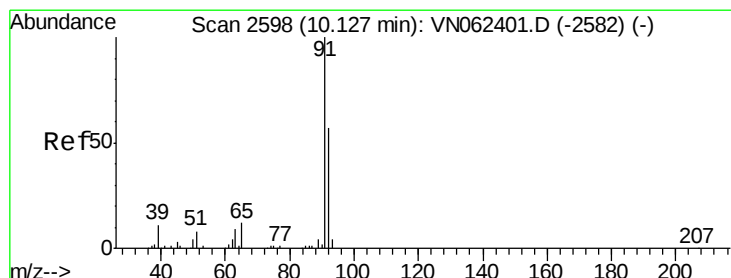
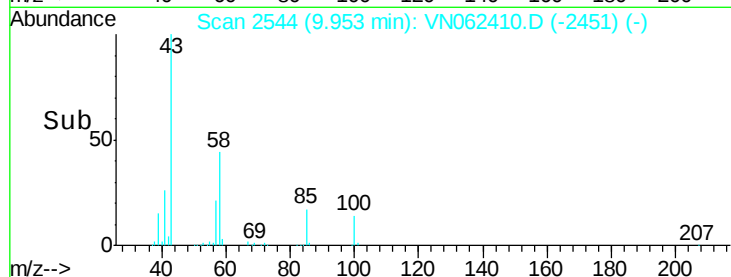
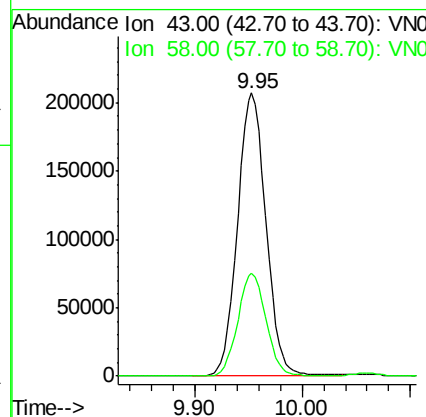
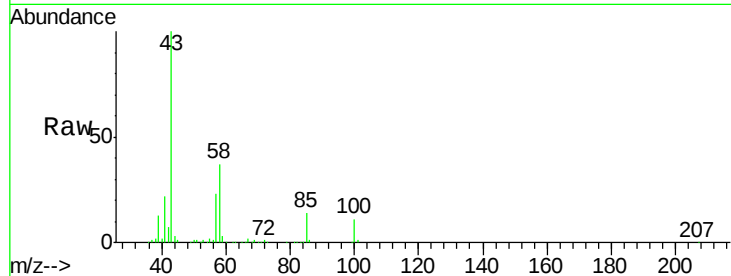
58 36.2 29.0 43.6

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#52

Toluene

Concen: 20.488 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062410.D

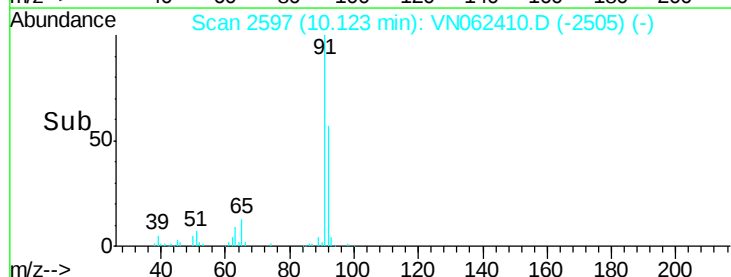
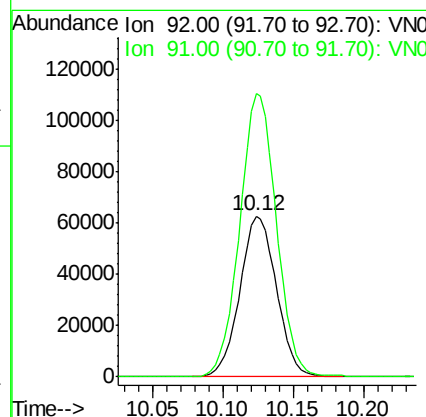
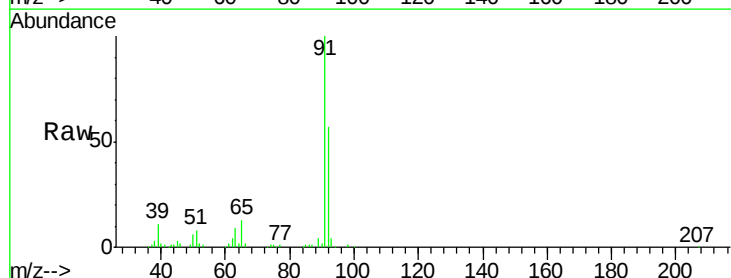
Acq: 8 Jul 2020 16:14

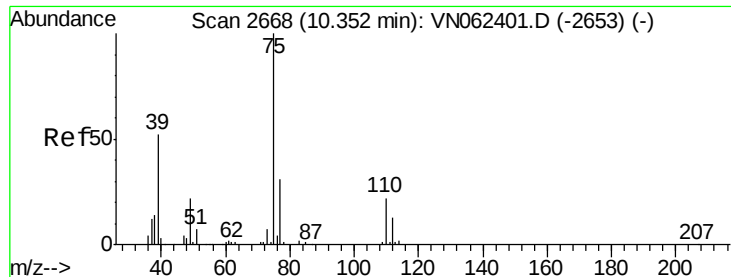
Tgt Ion: 92 Resp: 113855

Ion Ratio Lower Upper

92 100

91 176.9 141.0 211.6





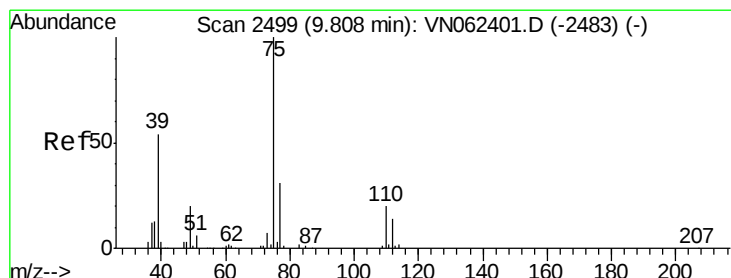
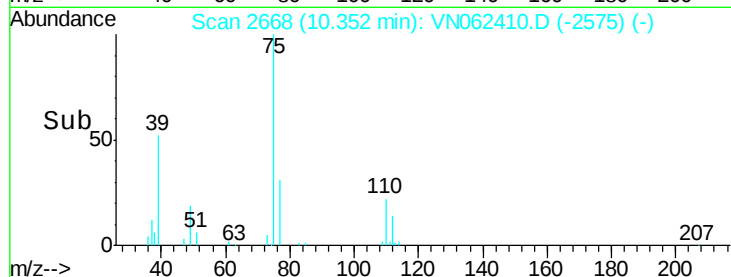
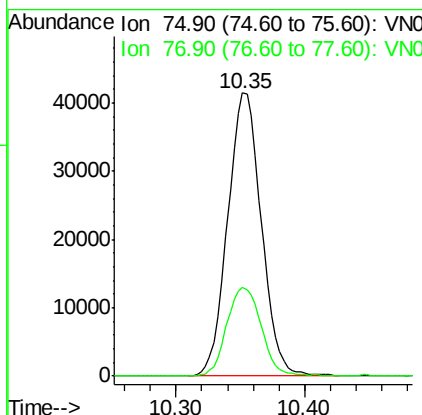
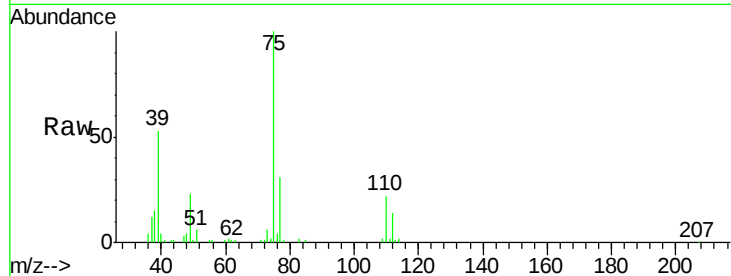
#53
t-1,3-Dichloropropene
Concen: 19.875 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. 0.00 min
Lab File: VN062410.D
Acq: 8 Jul 2020 16:14

Instrument :
MSVOA_N
ClientSampled :
VN0708WBS01

Tot Ion: 75 Resp: 75029
Ion Ratio Lower Upper
75 100
77 31.3 25.2 37.8

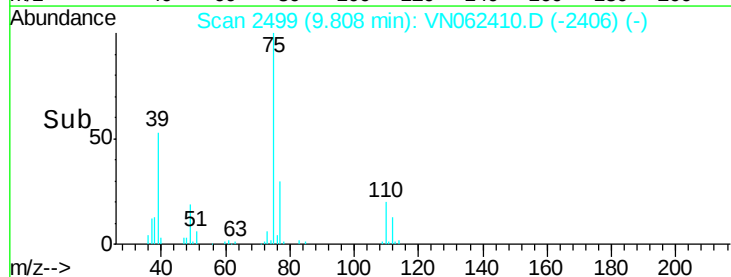
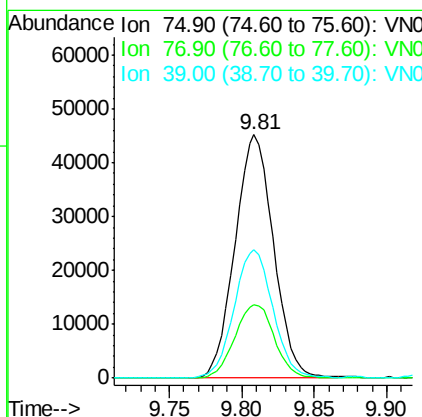
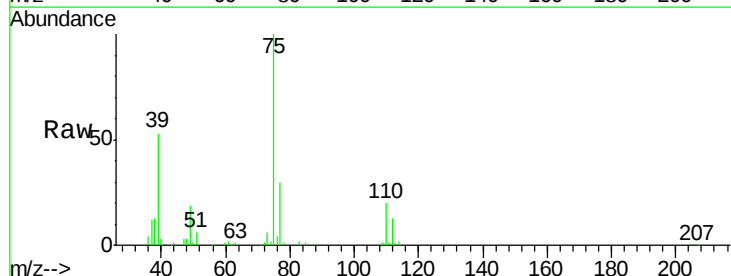
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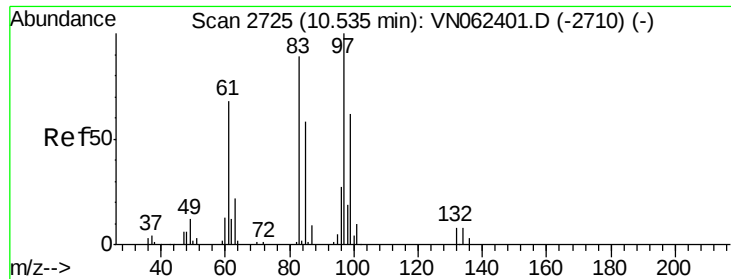
MMDadoda
7/9/2020 10:55:08 AM



#54
cis-1,3-Dichloropropene
Concen: 20.054 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VN062410.D
Acq: 8 Jul 2020 16:14

Tgt Ion: 75 Resp: 83528
Ion Ratio Lower Upper
75 100
77 30.1 24.5 36.7
39 52.7 43.4 65.0





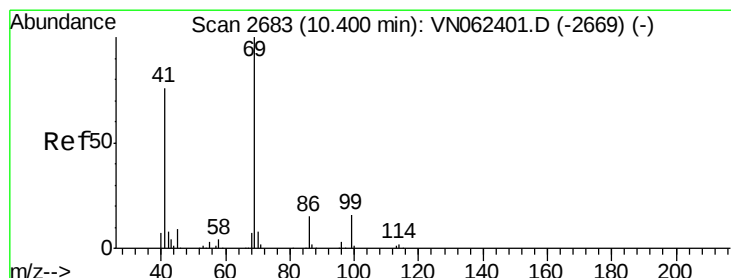
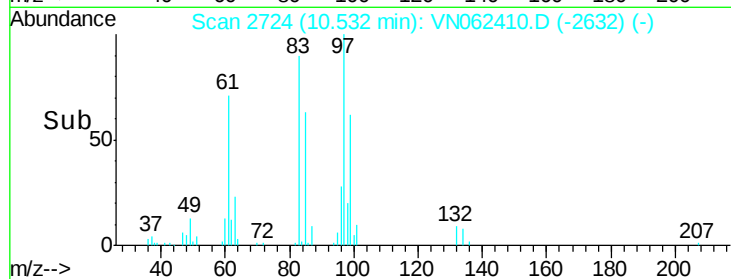
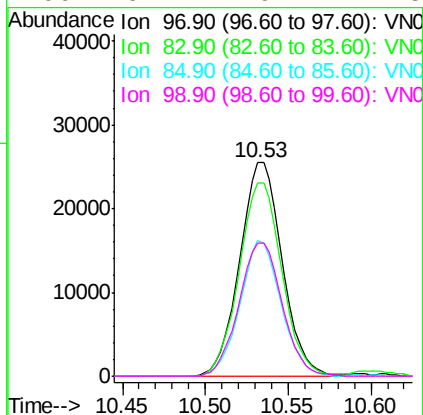
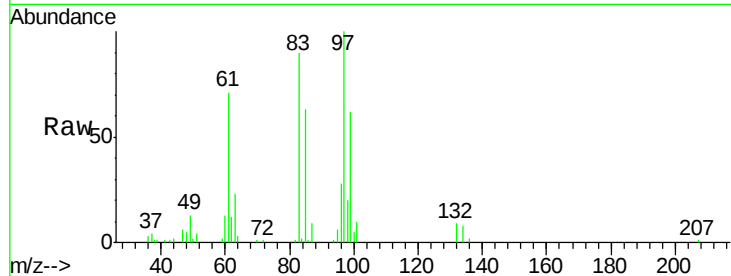
#55
 1,1,2-Trichloroethane
 Concen: 20.815 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN062410.D
 Acq: 8 Jul 2020 16:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0708WBS01

Tot Ion:	97	Resp:	45494
Ion	Ratio	Lower	Upper
97	100		
83	90.4	71.0	106.4
85	63.5	46.2	69.4
99	62.4	49.7	74.5

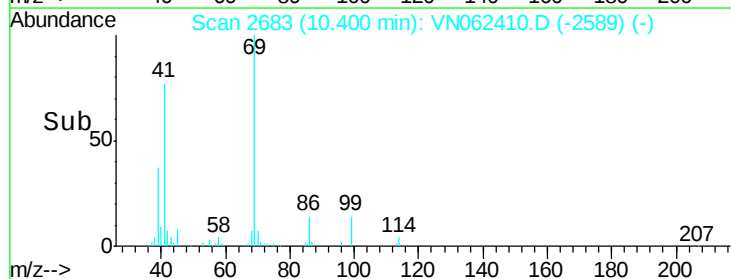
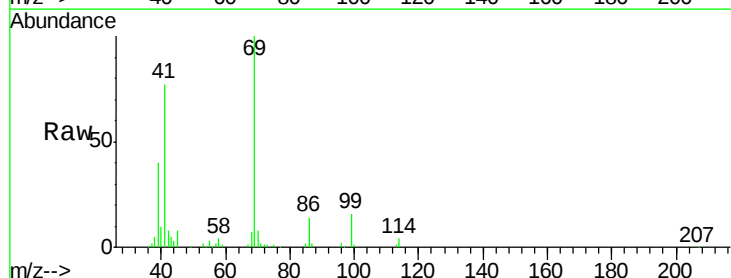
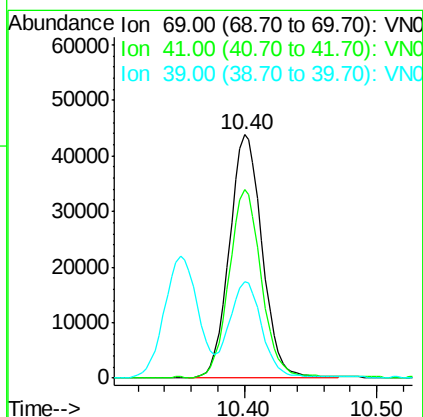
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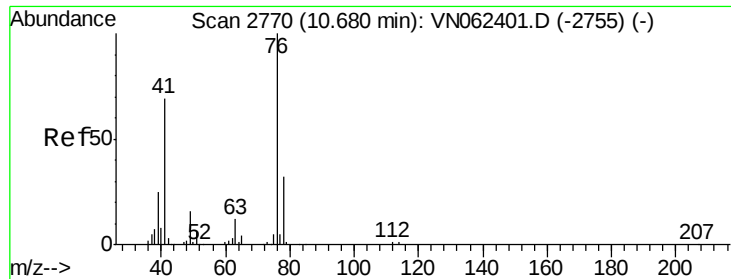
MMDadoda
 7/9/2020 10:55:08 AM



#56
 Ethyl methacrylate
 Concen: 19.801 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN062410.D
 Acq: 8 Jul 2020 16:14

Tgt Ion:	69	Resp:	75339
Ion	Ratio	Lower	Upper
69	100		
41	76.8	59.7	89.5
39	38.0	30.6	45.8





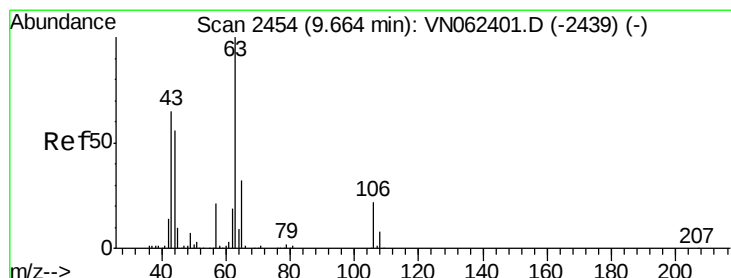
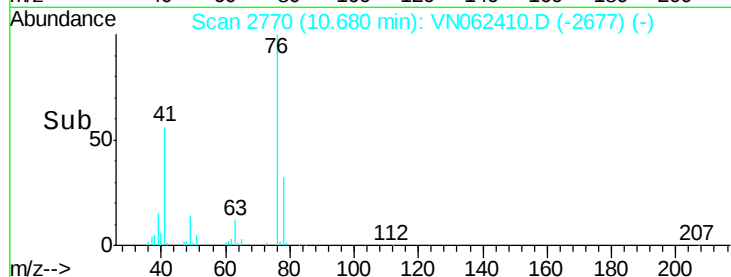
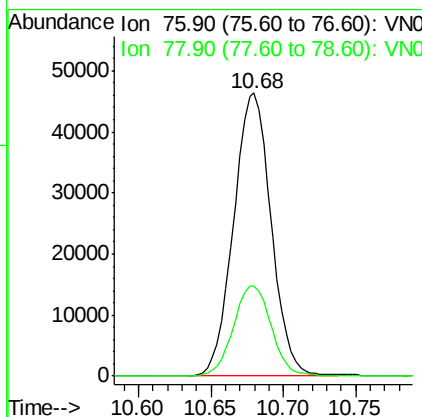
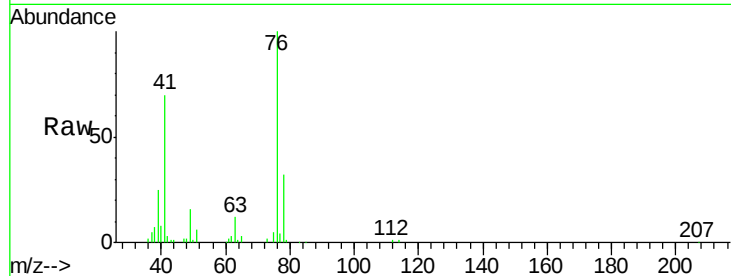
#57
 1,3-Dichloropropane
 Concen: 20.601 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: VN062410.D
 Acq: 8 Jul 2020 16:14

Instrument :
 MSVOA_N
 ClientSampled :
 VN0708WBS01

Tot Ion: 76 Resp: 83183
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.6 38.4

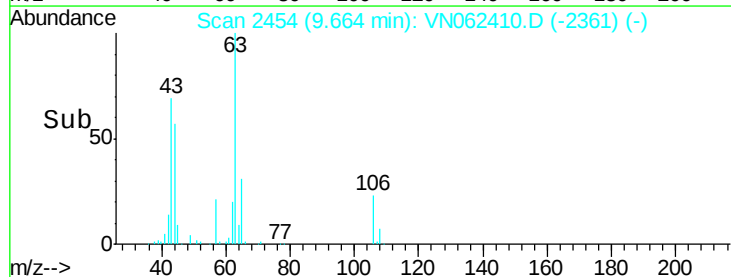
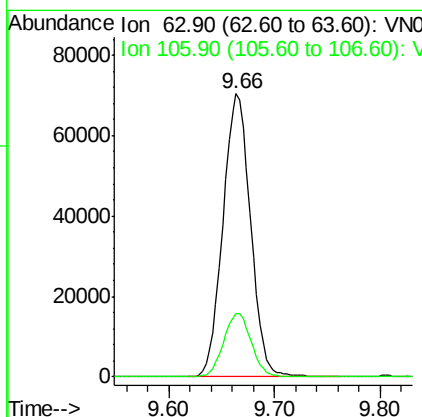
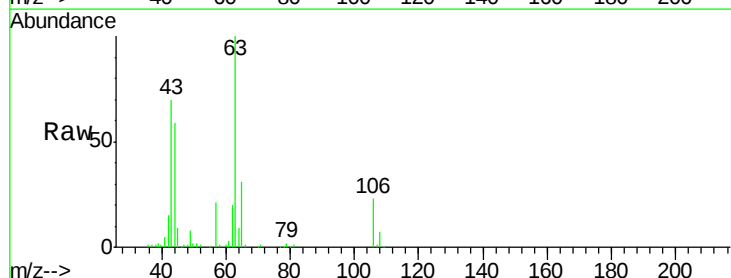
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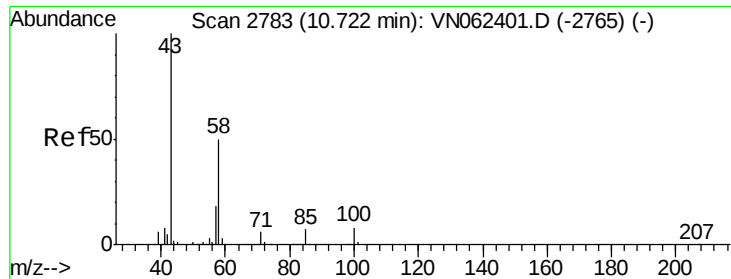
MMDadoda
 7/9/2020 10:55:08 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.347 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VN062410.D
 Acq: 8 Jul 2020 16:14

Tgt Ion: 63 Resp: 127520
 Ion Ratio Lower Upper
 63 100
 106 22.4 17.6 26.4





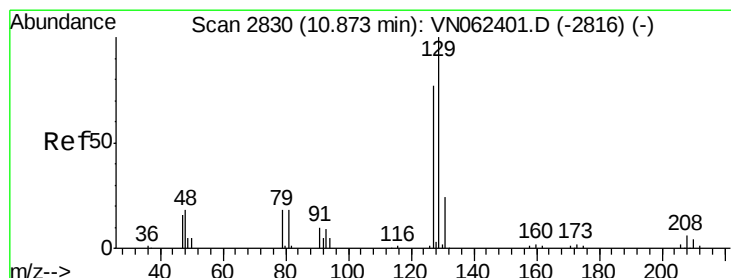
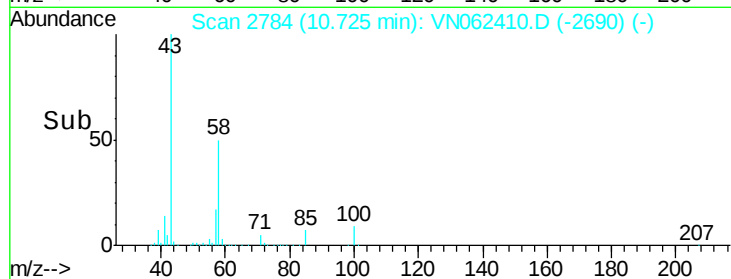
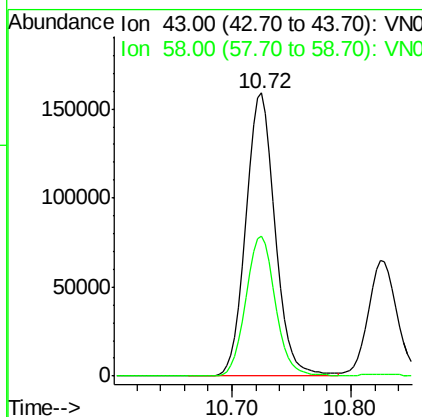
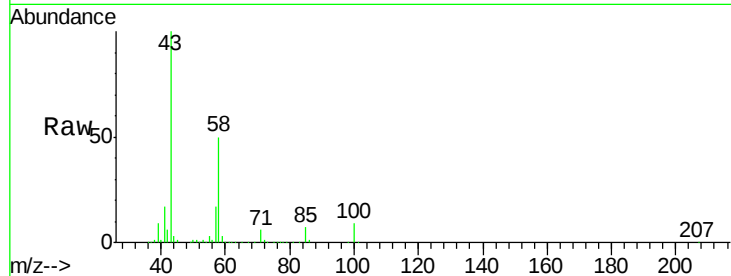
#59
2-Hexanone
Concen: 103.664 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN062410.D
Acq: 8 Jul 2020 16:14

Instrument :
MSVOA_N
ClientSampleId :
VN0708WBS01

Tot Ion: 43 Resp: 271038
Ion Ratio Lower Upper
43 100
58 50.1 25.1 75.2

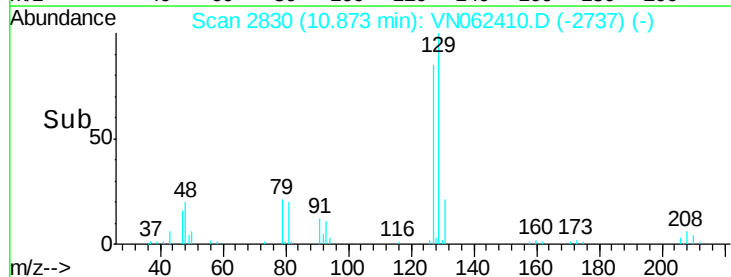
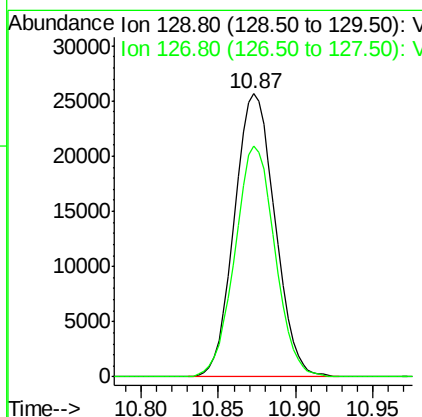
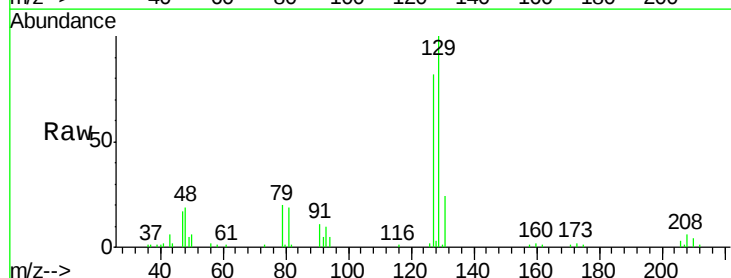
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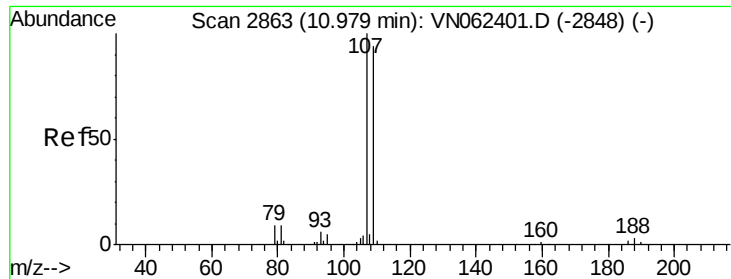
MMDadoda
7/9/2020 10:55:08 AM



#60
Dibromochloromethane
Concen: 19.736 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. 0.00 min
Lab File: VN062410.D
Acq: 8 Jul 2020 16:14

Tgt Ion: 129 Resp: 46771
Ion Ratio Lower Upper
129 100
127 80.4 38.6 115.8





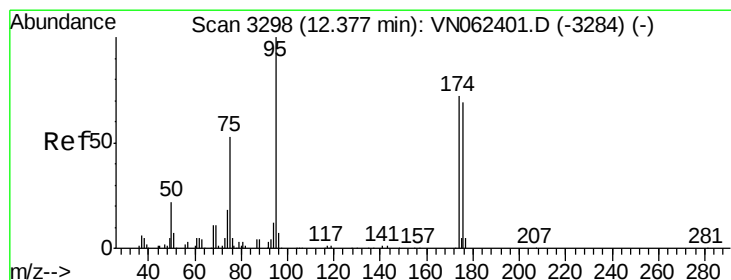
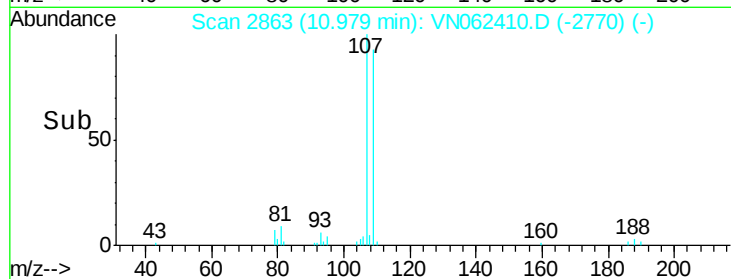
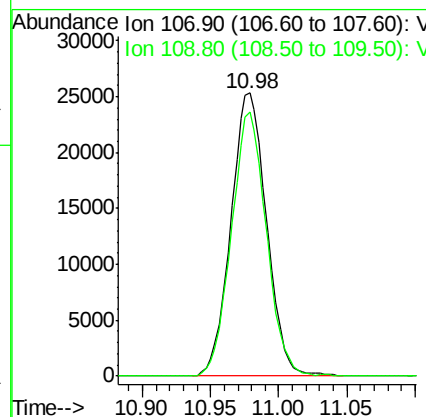
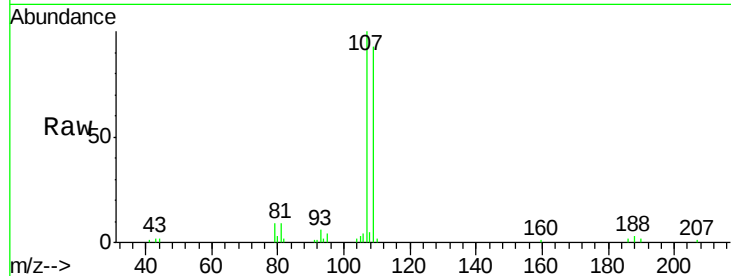
#61
 1,2-Dibromoethane
 Concen: 20.818 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VN062410.D
 Acq: 8 Jul 2020 16:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0708WBS01

Tot Ion:107 Resp: 45931
 Ion Ratio Lower Upper
 107 100
 109 91.4 75.6 113.4

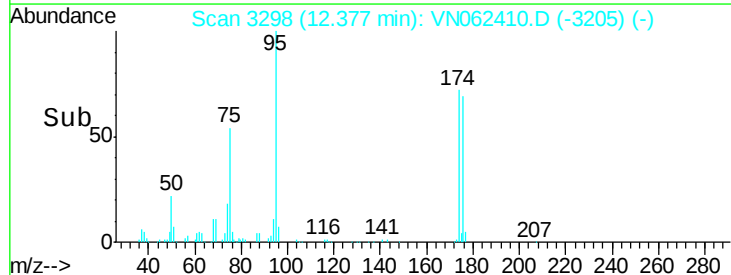
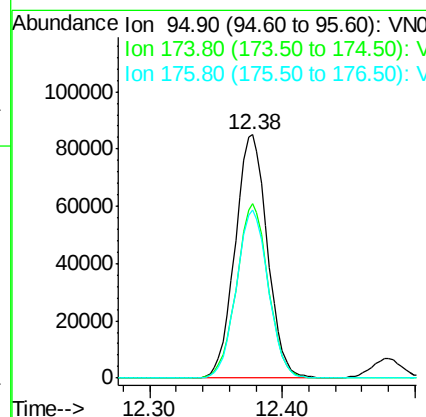
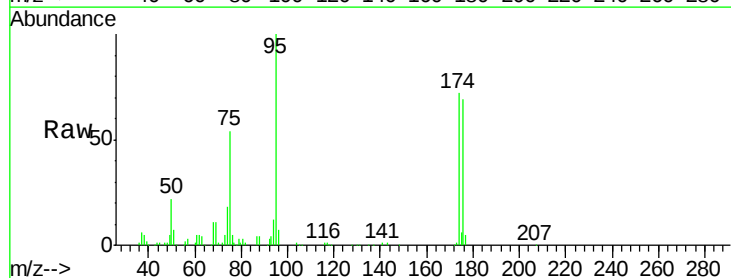
Manual Integrations
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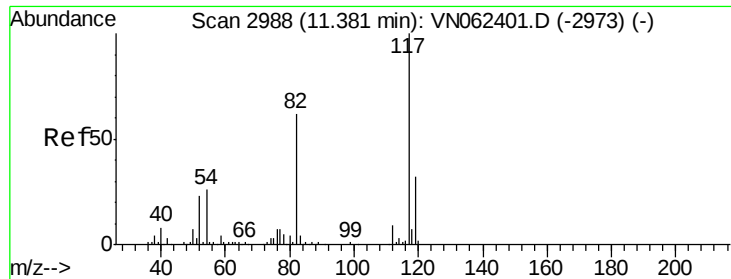
MMDadoda
 7/9/2020 10:55:08 AM



#62
 4-Bromofluorobenzene
 Concen: 49.714 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VN062410.D
 Acq: 8 Jul 2020 16:14

Tgt Ion: 95 Resp: 143638
 Ion Ratio Lower Upper
 95 100
 174 70.2 0.0 141.6
 176 68.3 0.0 137.2





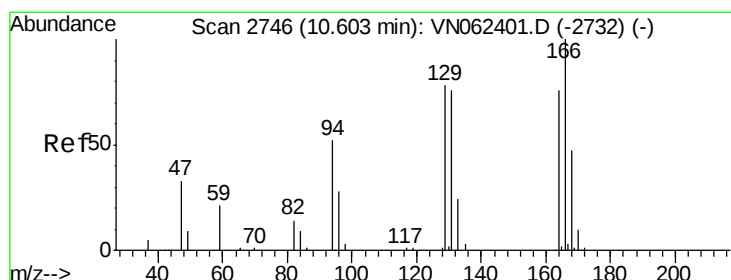
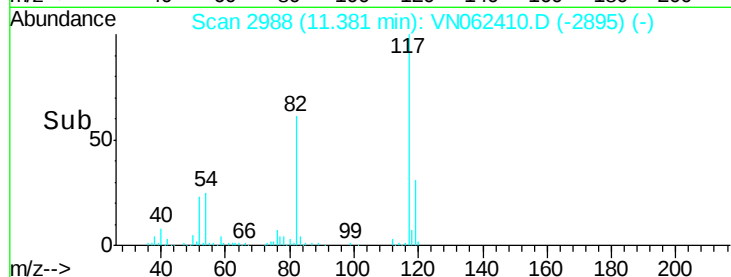
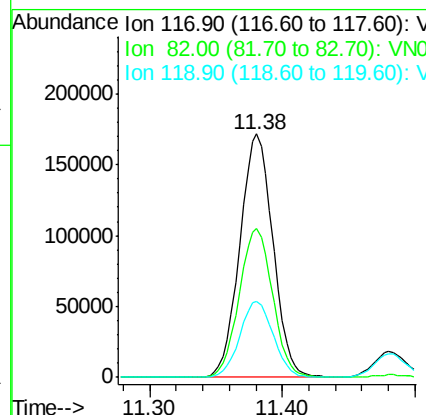
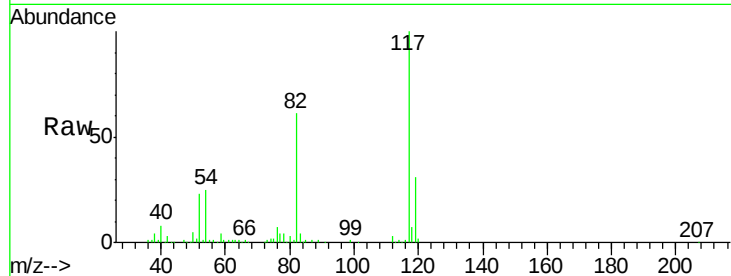
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062410.D
Acq: 8 Jul 2020 16:14

Instrument :
MSVOA_N
ClientSampled :
VN0708WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	298289		
82	61.0		49.6	74.4
119	31.4		25.4	38.0

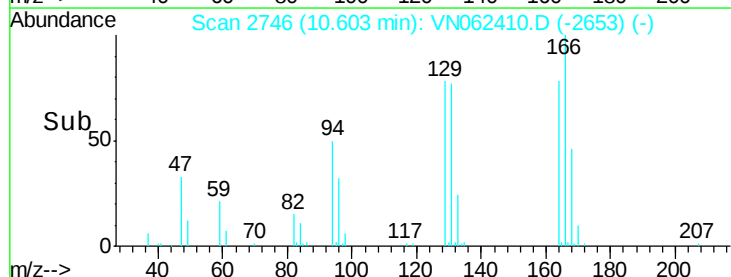
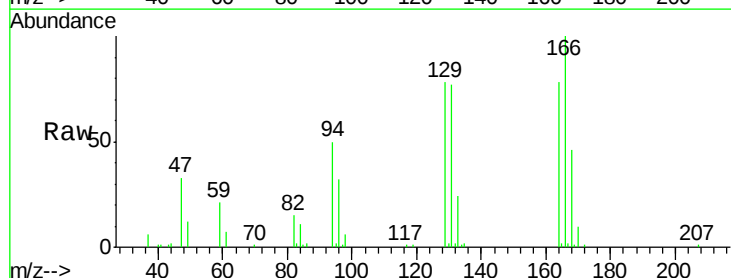
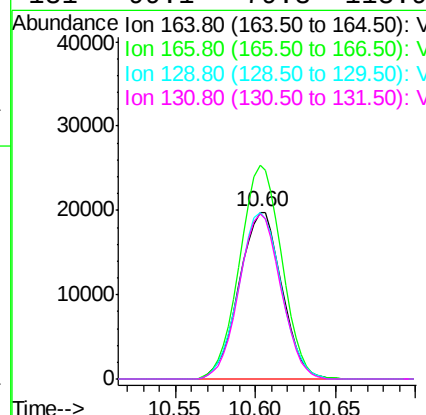
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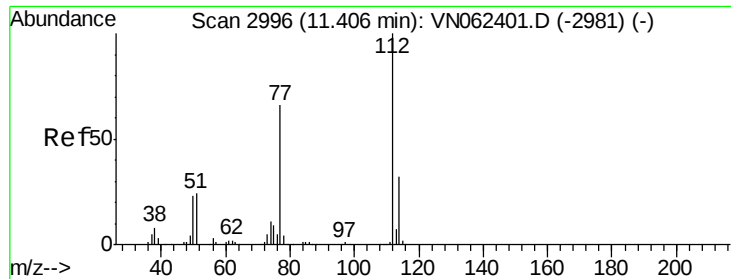
MMDadoda
7/9/2020 10:55:08 AM



#64
Tetrachloroethene
Concen: 20.432 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN062410.D
Acq: 8 Jul 2020 16:14

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	36166		
166	128.3		104.9	157.3
129	99.8		81.8	122.6
131	99.1		79.3	118.9





#65

Chlorobenzene

Concen: 19.930 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN062410.D

Acq: 8 Jul 2020 16:14

Instrument :

MSVOA_N

ClientSampleId :

VN0708WBS01

Tot Ion:112 Resp: 115543

Ion Ratio Lower Upper

112 100

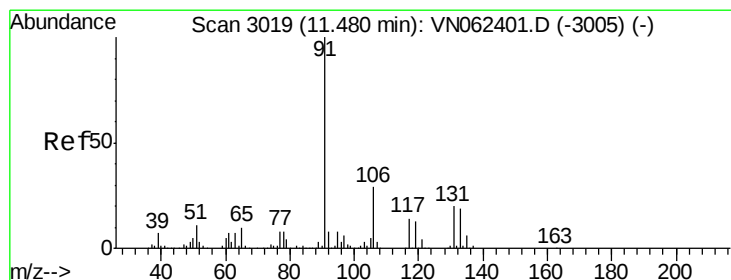
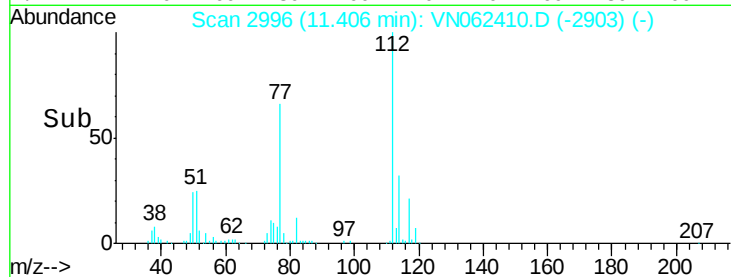
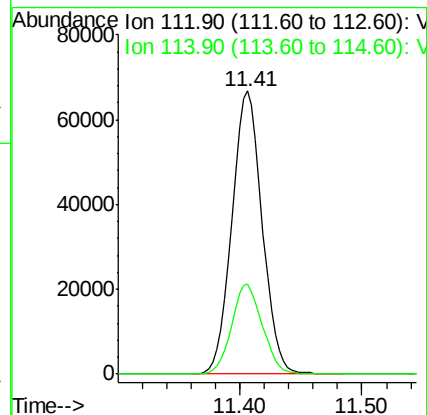
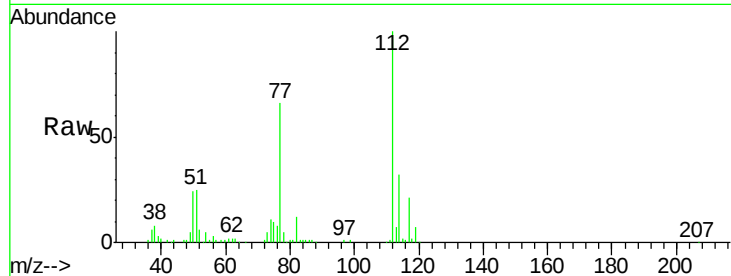
114 31.6 25.9 38.9

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#66

1,1,1,2-Tetrachloroethane

Concen: 19.938 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. 0.00 min

Lab File: VN062410.D

Acq: 8 Jul 2020 16:14

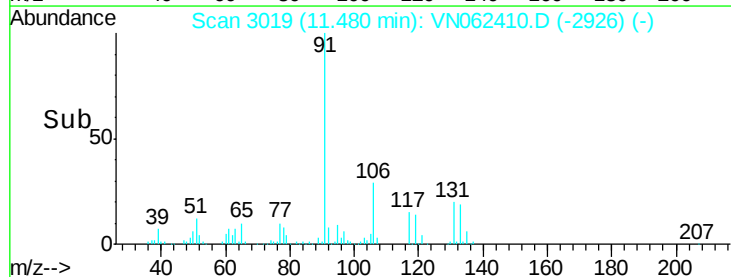
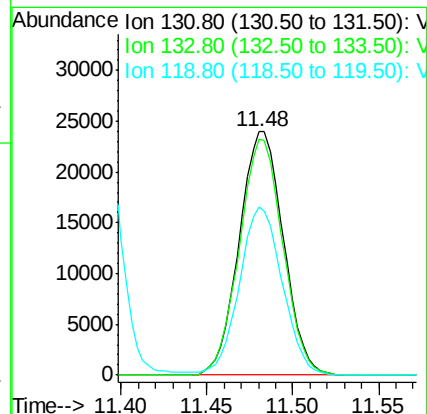
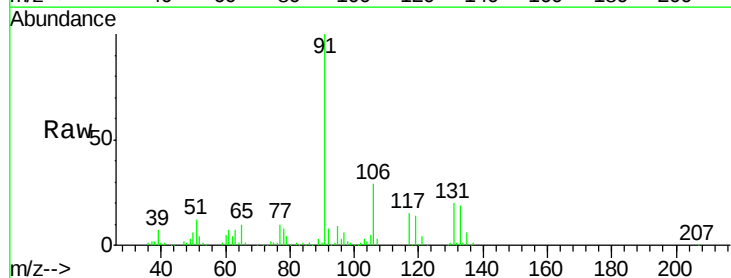
Tgt Ion:131 Resp: 42624

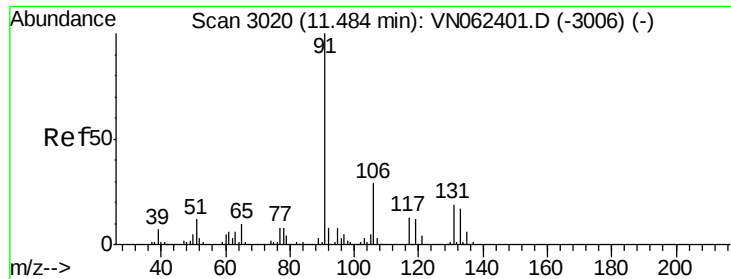
Ion Ratio Lower Upper

131 100

133 95.5 46.9 140.8

119 67.3 33.2 99.6





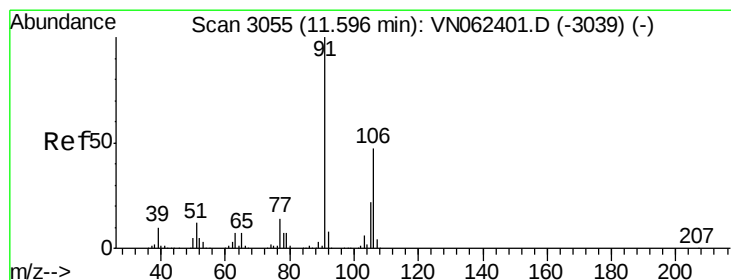
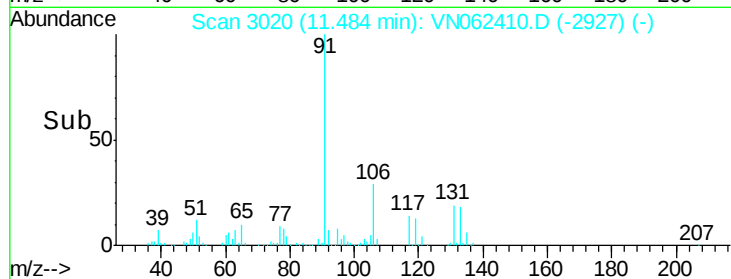
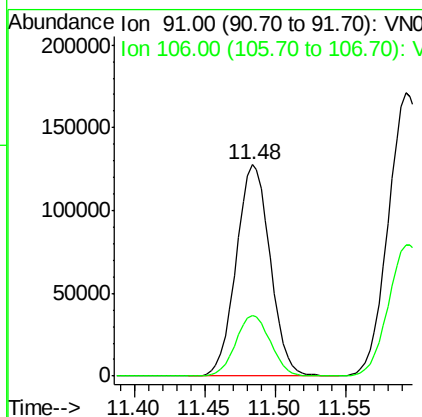
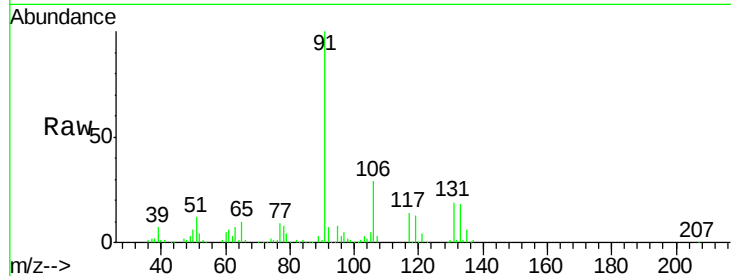
#67
Ethyl Benzene
Concen: 19.862 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN062410.D
Acq: 8 Jul 2020 16:14

Instrument :
MSVOA_N
ClientSampled :
VN0708WBS01

Tot Ion	91	Resp	216143
Ion Ratio	100	Lower	Upper
106	28.9	23.4	35.2

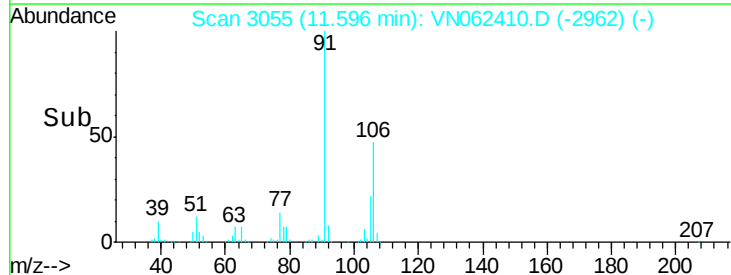
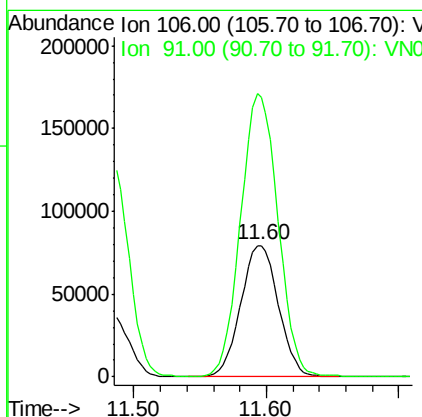
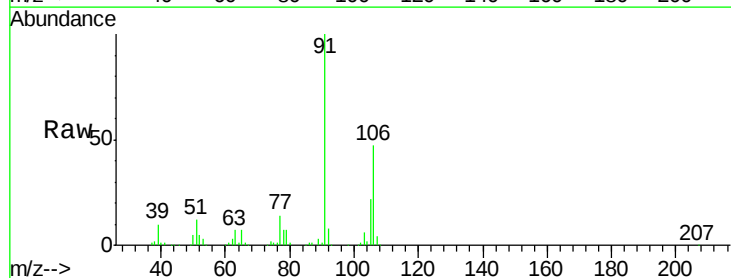
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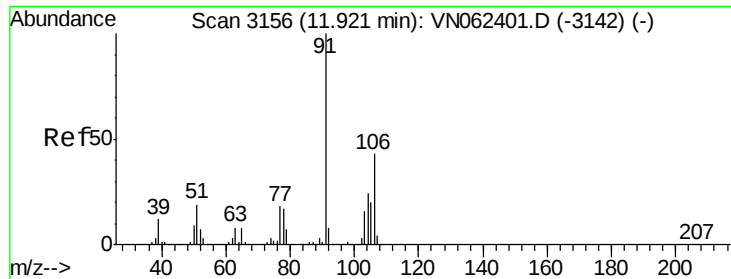
MMDadoda
7/9/2020 10:55:08 AM



#68
m/p-Xylenes
Concen: 40.400 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN062410.D
Acq: 8 Jul 2020 16:14

Tgt Ion	106	Resp	155634
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
91	214.7	172.4	258.6





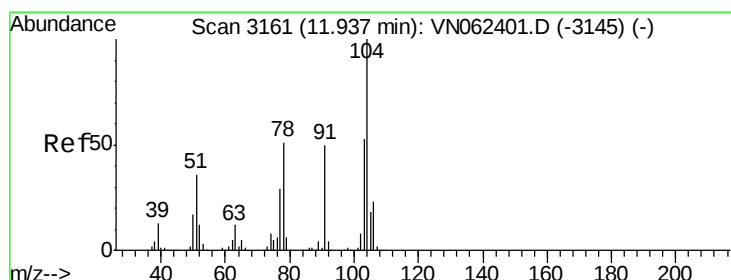
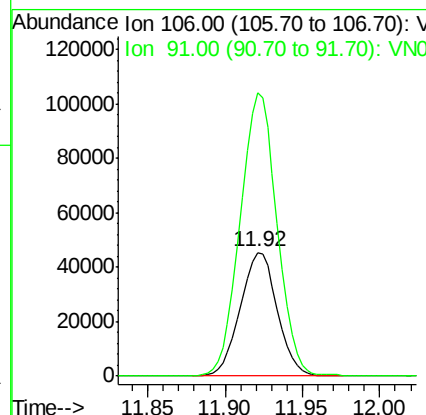
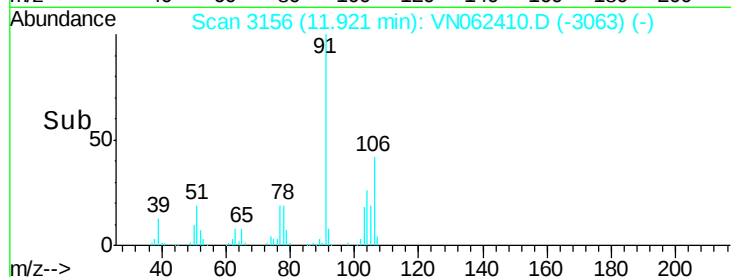
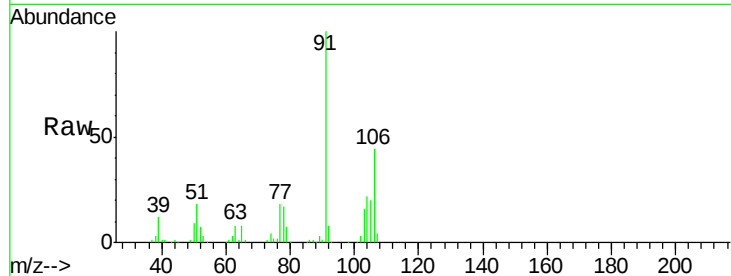
#69
o-Xylene
Concen: 20.114 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN062410.D
Acq: 8 Jul 2020 16:14

Instrument :
MSVOA_N
ClientSampled :
VN0708WBS01

Tot Ion:106 Resp: 75443
Ion Ratio Lower Upper
106 100
91 228.1 113.8 341.4

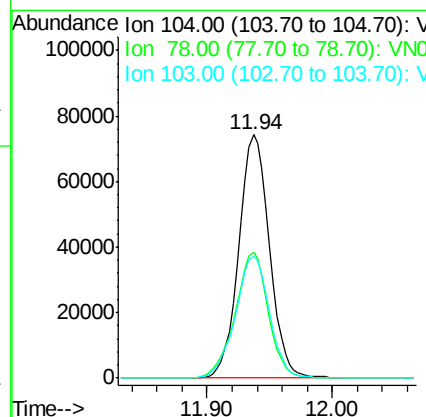
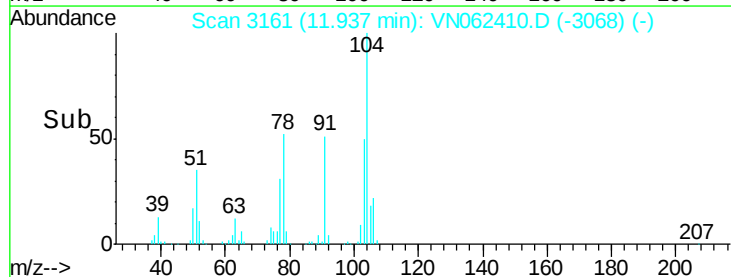
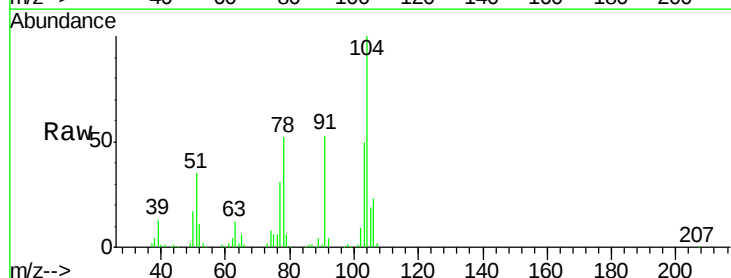
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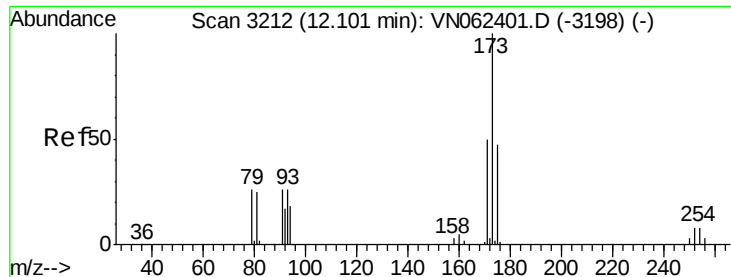
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#70
Styrene
Concen: 20.360 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN062410.D
Acq: 8 Jul 2020 16:14

Tgt Ion:104 Resp: 126210
Ion Ratio Lower Upper
104 100
78 55.8 44.2 66.4
103 55.5 44.4 66.6





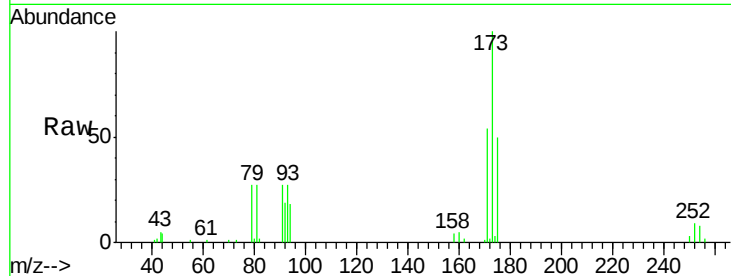
#71
Bromoform
Concen: 20.326 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. 0.00 min
Lab File: VN062410.D
Acq: 8 Jul 2020 16:14

Instrument :
MSVOA_N
ClientSampleId :
VN0708WBS01

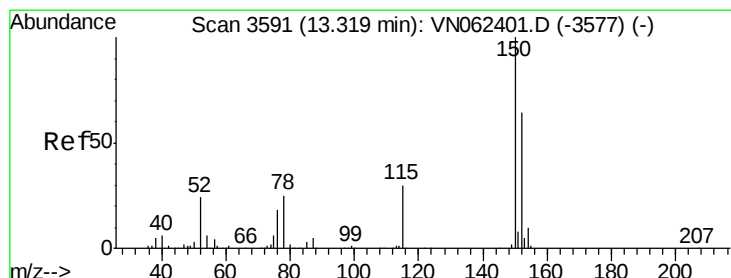
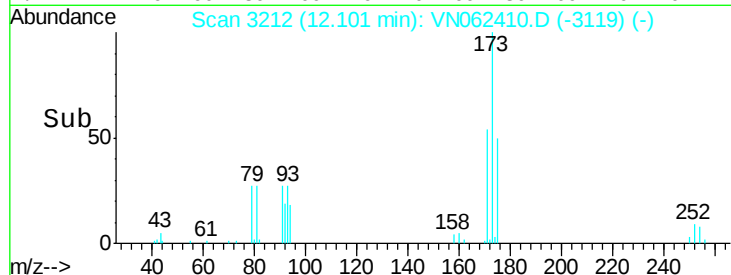
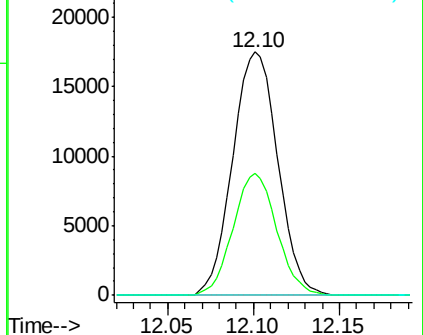
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	23.7	71.1
254	0.0	0.0	0.0

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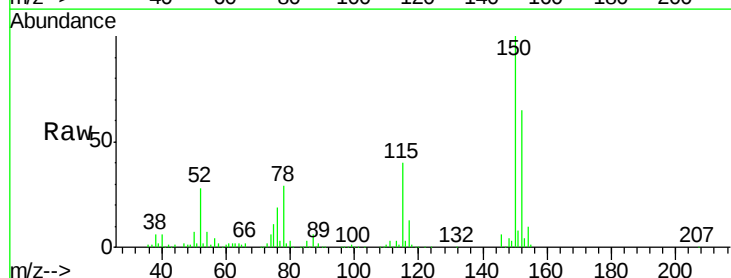


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

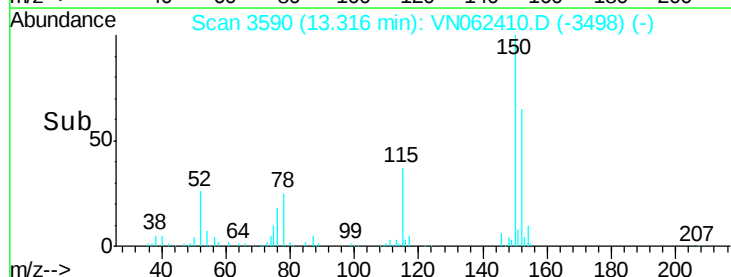
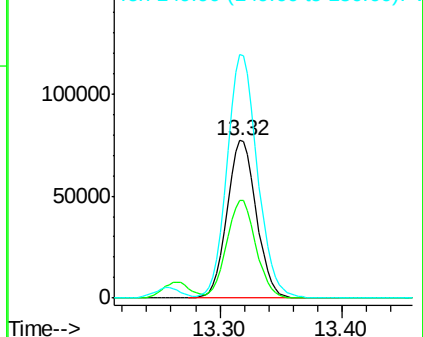


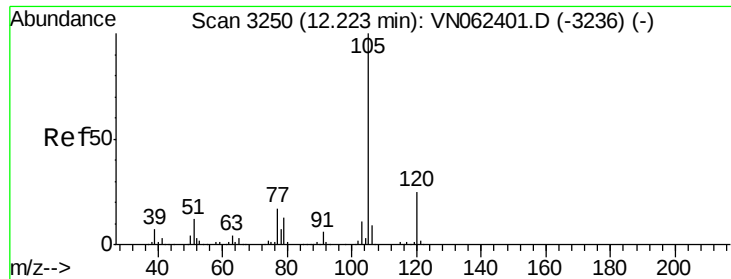
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3590
Delta R.T. -0.00 min
Lab File: VN062410.D
Acq: 8 Jul 2020 16:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.0	31.4	94.2
150	159.8	0.0	347.4



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





#73

Isopropylbenzene

Concen: 20.400 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN062410.D

Acq: 8 Jul 2020 16:14

Instrument :

MSVOA_N

ClientSampled :

VN0708WBS01

Tot Ion: 105 Resp: 204479

Ion Ratio Lower Upper

105 100

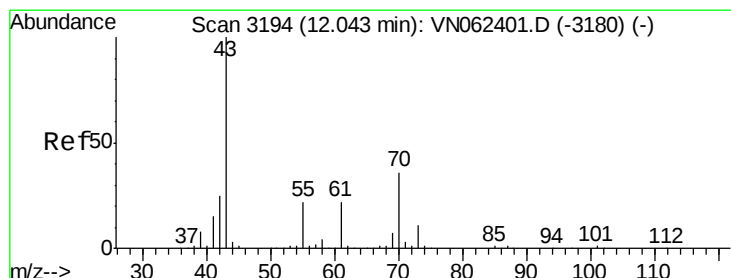
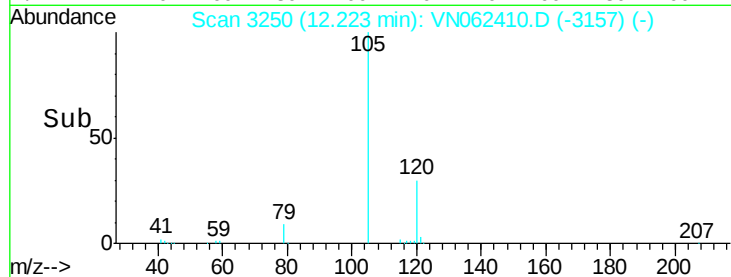
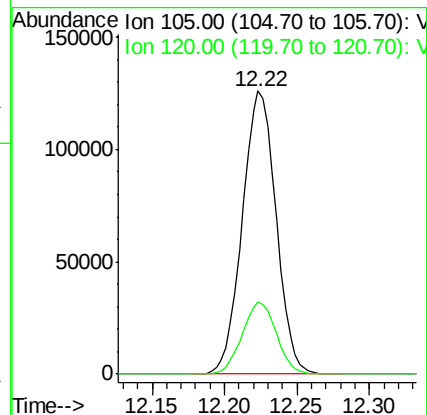
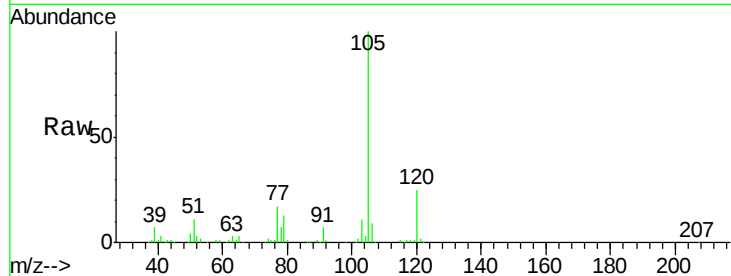
120 25.6 12.7 38.1

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#74

N-ethyl acetate

Concen: 20.931 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN062410.D

Acq: 8 Jul 2020 16:14

Tgt Ion: 43 Resp: 102115

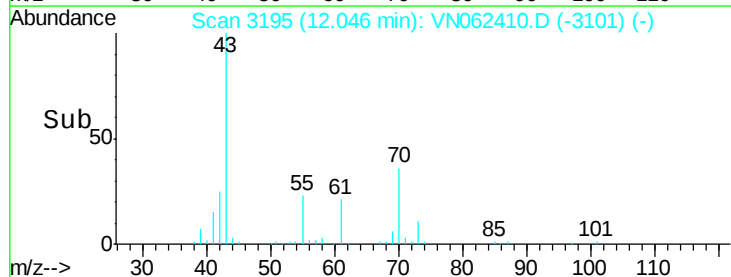
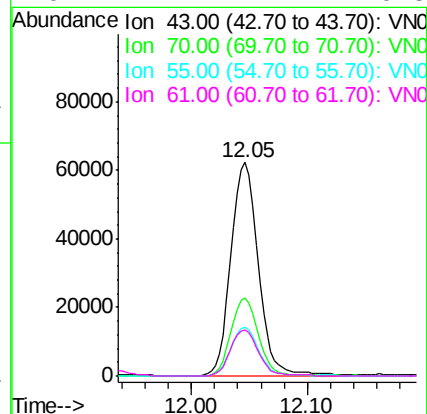
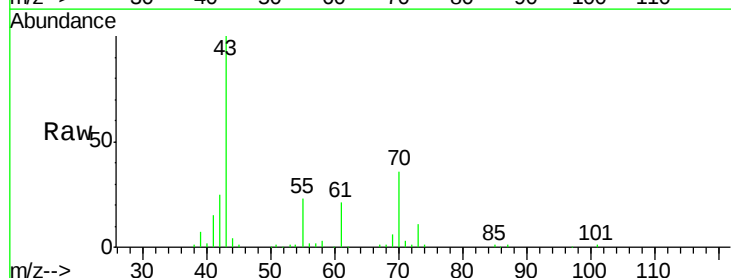
Ion Ratio Lower Upper

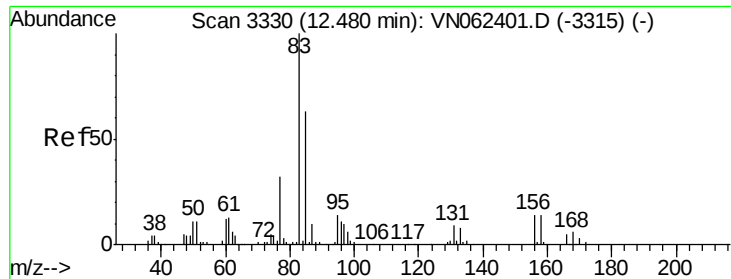
43 100

70 36.5 30.0 45.0

55 23.2 18.2 27.4

61 21.7 17.7 26.5





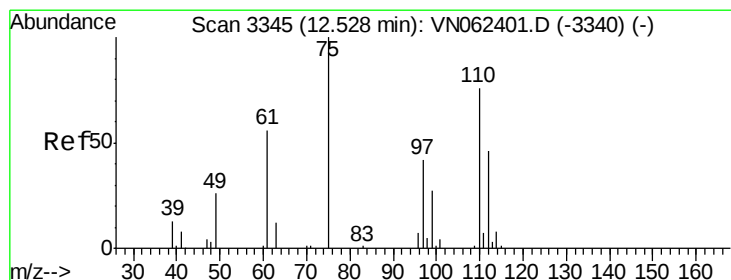
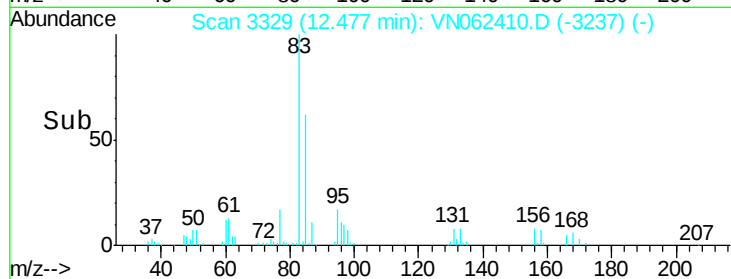
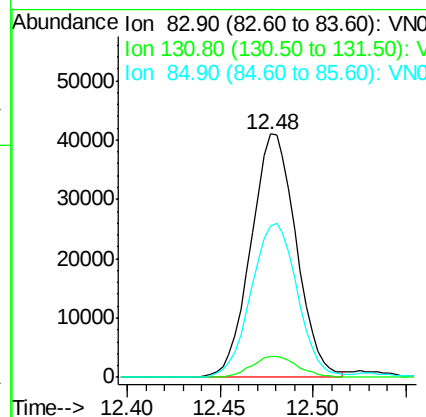
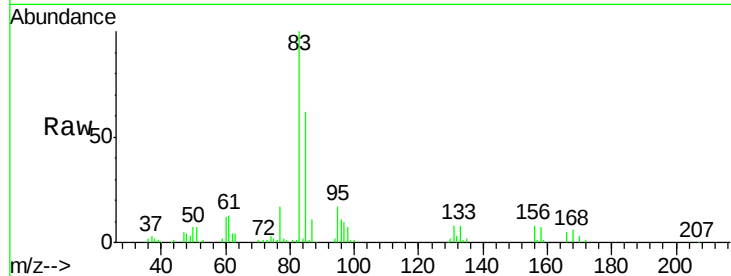
#75
 1,1,2,2-Tetrachloroethane
 Concen: 20.626 ug/l
 RT: 12.48 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VN062410.D
 Acq: 8 Jul 2020 16:14

Instrument :
 MSVOA_N
 ClientSampled :
 VN0708WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	69515		
131	8.9	4.5	13.5	
85	64.4	31.9	95.9	

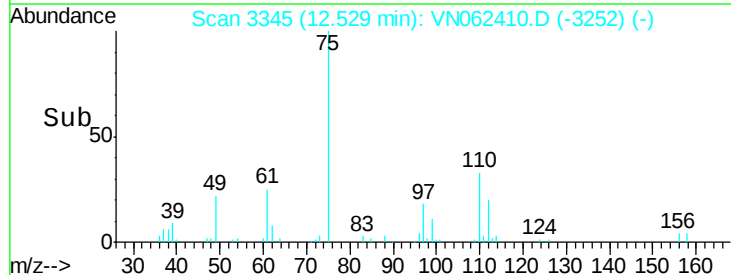
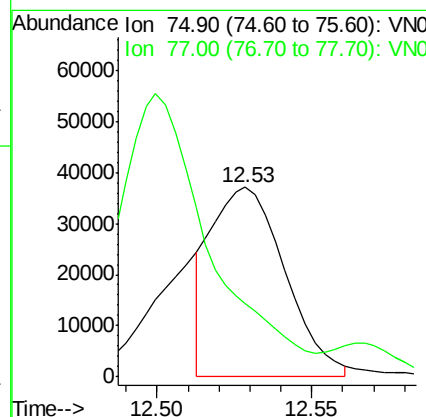
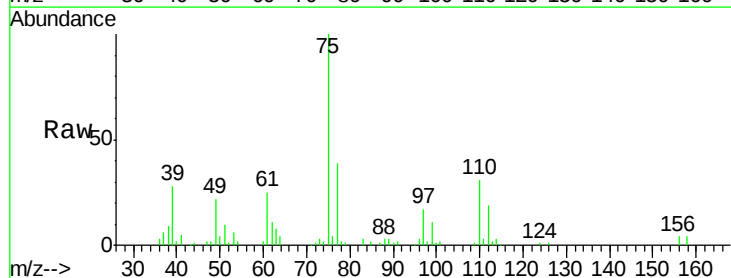
Manual Integrations
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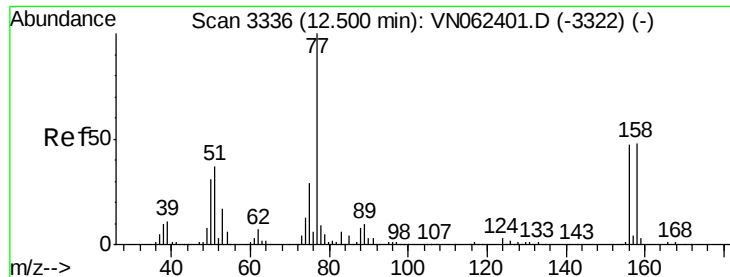
MMDadoda
 7/9/2020 10:55:08 AM



#76
 1,2,3-Trichloropropane
 Concen: 19.512 ug/l m
 RT: 12.53 min Scan# 3345
 Delta R.T. 0.00 min
 Lab File: VN062410.D
 Acq: 8 Jul 2020 16:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	62016		
77	0.0	0.0	0.0	





#77

Bromobenzene

Concen: 20.297 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN062410.D

Acq: 8 Jul 2020 16:14

Instrument :

MSVOA_N

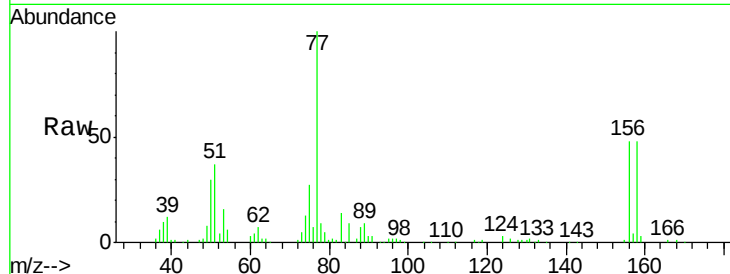
ClientSampled :

VN0708WBS01

Tot Ion:	156	Resp:	46251
Ion Ratio	Lower	Upper	
156	100		
77	247.8	126.4	379.3
158	97.3	49.8	149.4

Manual Integrations
APPROVED

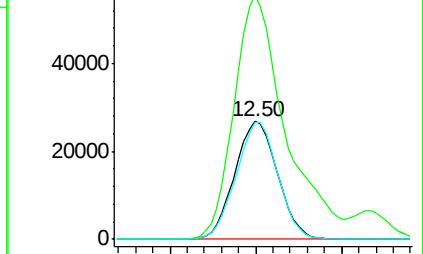
MMDadoda
7/9/2020 10:55:08 AM



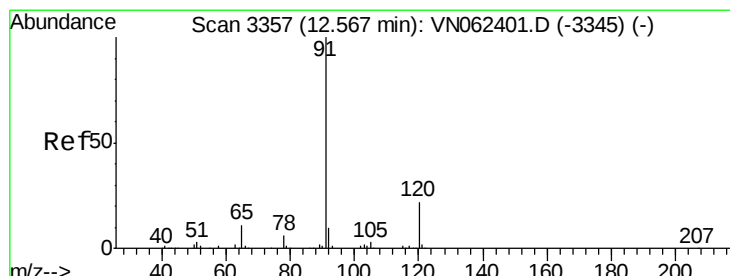
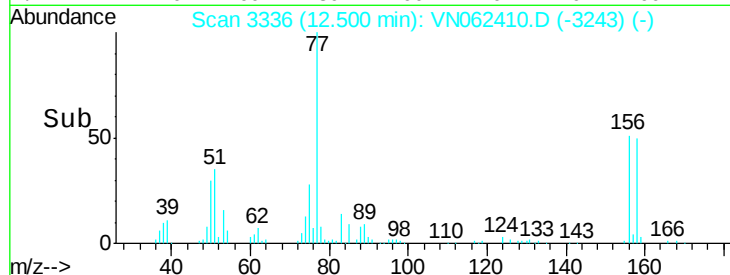
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 20.351 ug/l

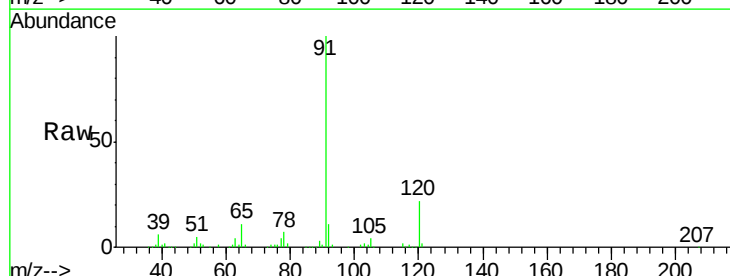
RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN062410.D

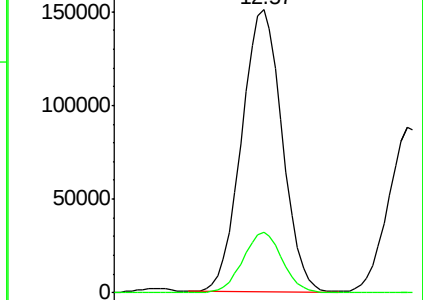
Acq: 8 Jul 2020 16:14

Tgt Ion:	91	Resp:	238285
Ion Ratio	Lower	Upper	
91	100		
120	20.9	10.7	32.1

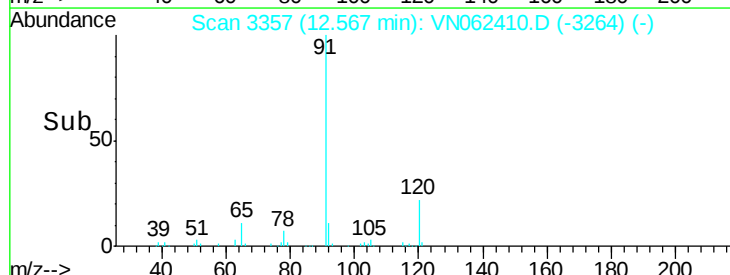


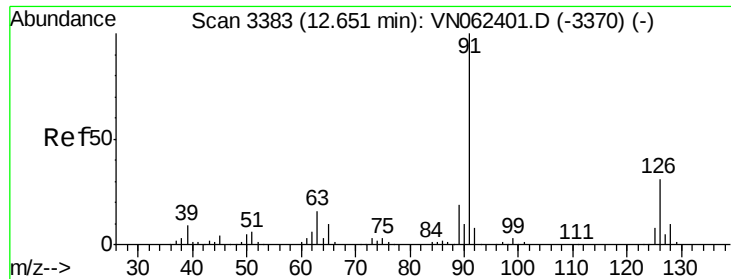
Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



Time-->





#79

2-Chlorotoluene

Concen: 20.255 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN062410.D

Acq: 8 Jul 2020 16:14

Instrument :

MSVOA_N

ClientSampled :

VN0708WBS01

Tot Ion: 91 Resp: 143938

Ion Ratio Lower Upper

91 100

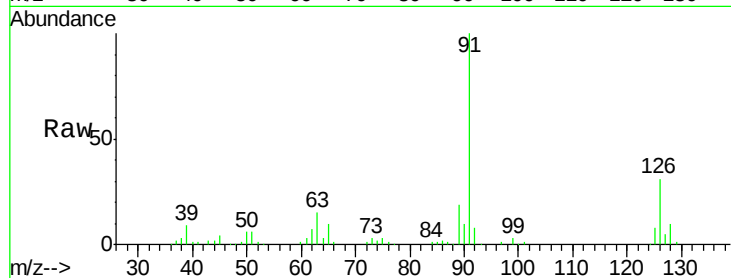
126 31.5 15.6 46.7

Manual Integrations

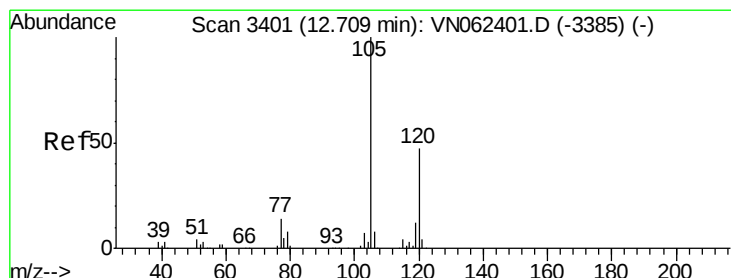
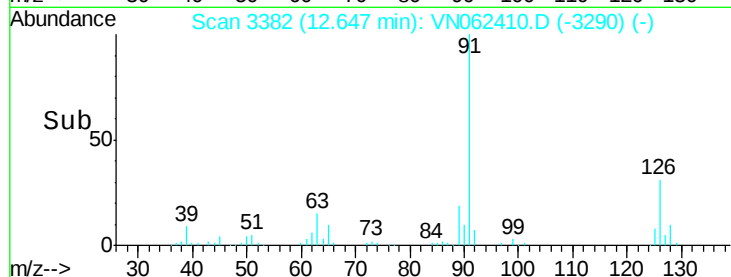
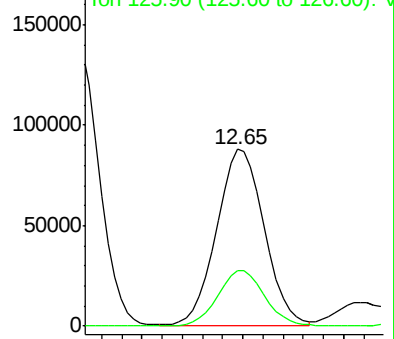
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Abundance Ion 91.00 (90.70 to 91.70): VN062410.D (-3370) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.696 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN062410.D

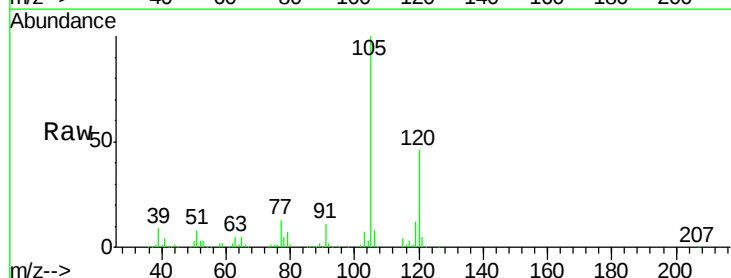
Acq: 8 Jul 2020 16:14

Tgt Ion: 105 Resp: 170061

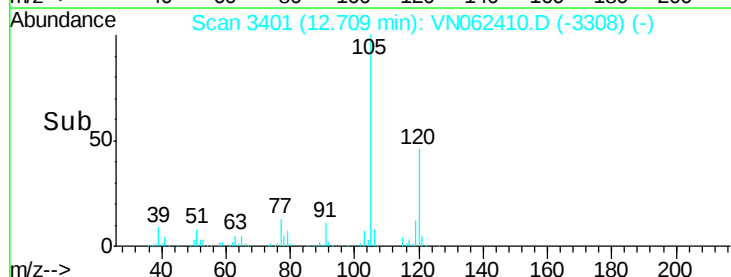
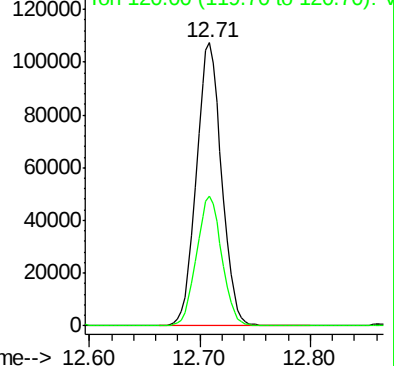
Ion Ratio Lower Upper

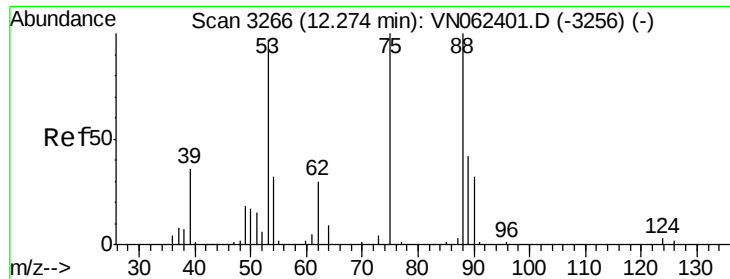
105 100

120 46.1 23.4 70.2



Abundance Ion 105.00 (104.70 to 105.70): VN062410.D (-3385) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.395 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN062410.D

Acq: 8 Jul 2020 16:14

Instrument :

MSVOA_N

ClientSampled :

VN0708WBS01

Tot Ion: 75 Resp: 23030

Ion Ratio Lower Upper

75 100

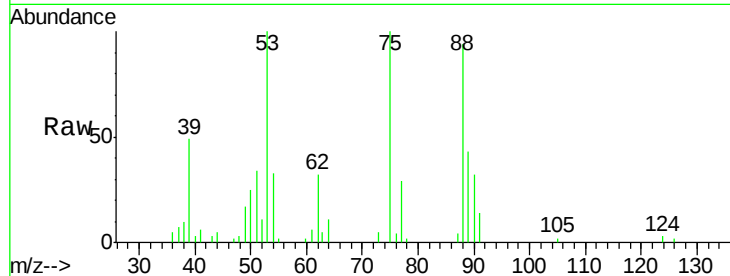
53 101.9 79.2 118.8

89 42.4 34.6 52.0

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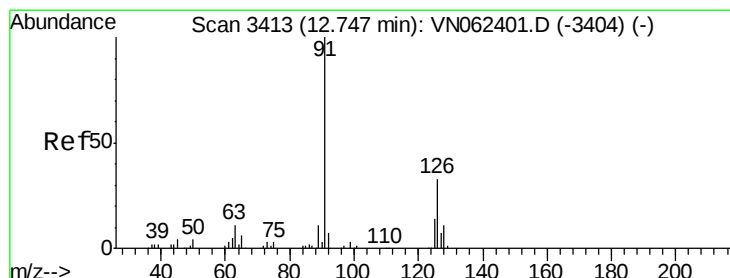
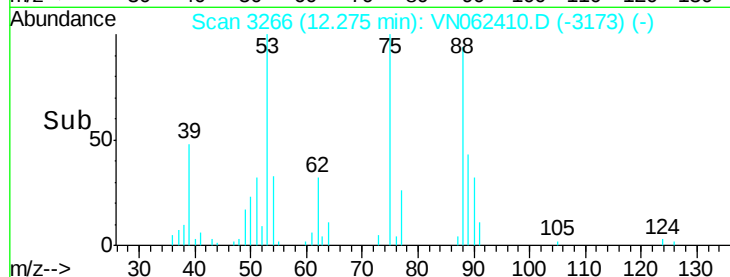
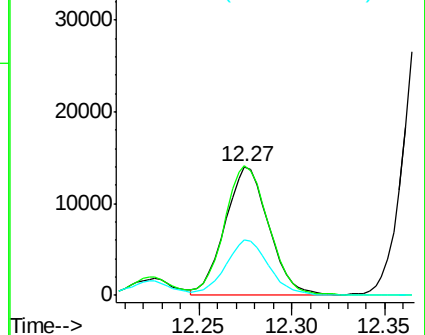
7/9/2020 10:55:08 AM



Abundance Ion 74.90 (74.60 to 75.60): VN062410.D (-3256) (-)

Ion 53.00 (52.70 to 53.70): VN062410.D (-3256) (-)

Ion 88.90 (88.60 to 89.60): VN062410.D (-3256) (-)



#82

4-Chlorotoluene

Concen: 20.327 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN062410.D

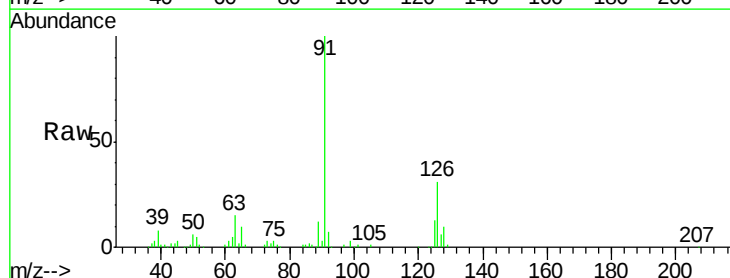
Acq: 8 Jul 2020 16:14

Tgt Ion: 91 Resp: 146643

Ion Ratio Lower Upper

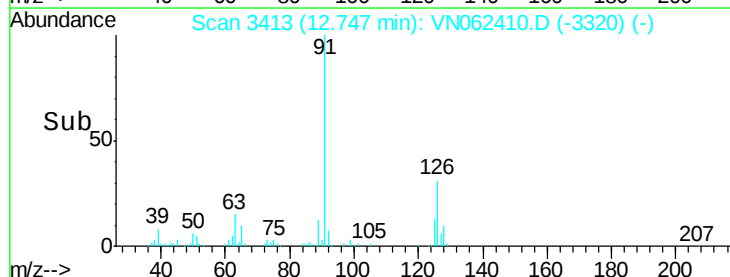
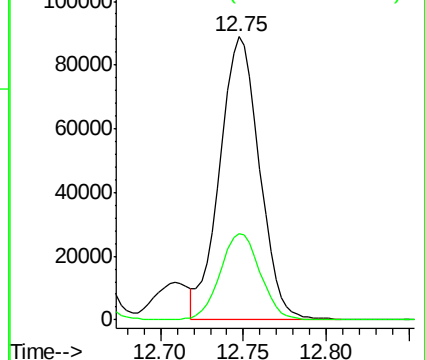
91 100

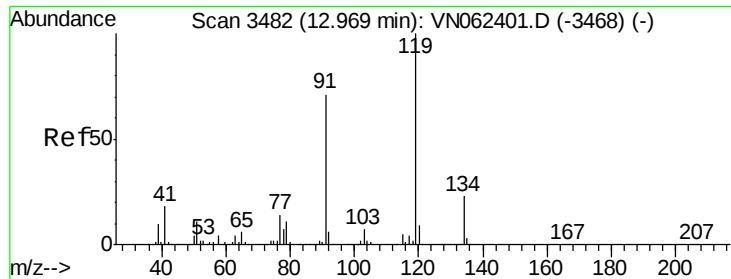
126 31.2 15.2 45.6



Abundance Ion 91.00 (90.70 to 91.70): VN062410.D (-3404) (-)

Ion 125.90 (125.60 to 126.60): VN062410.D (-3404) (-)





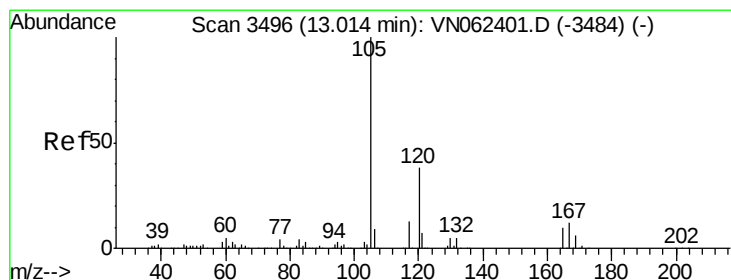
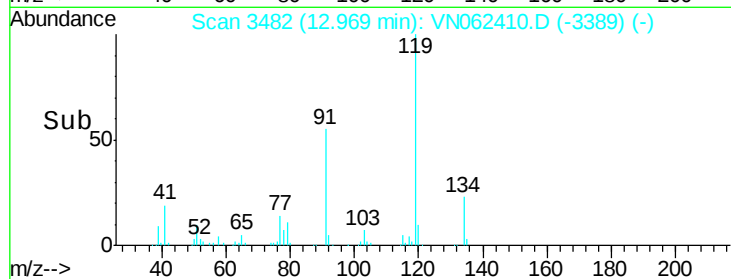
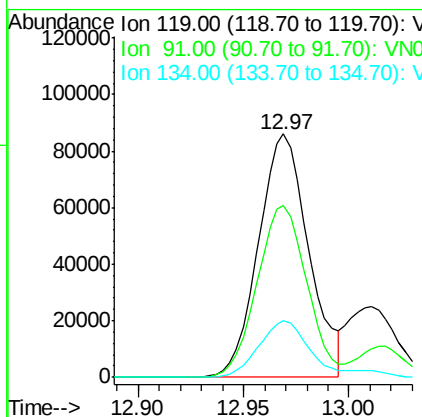
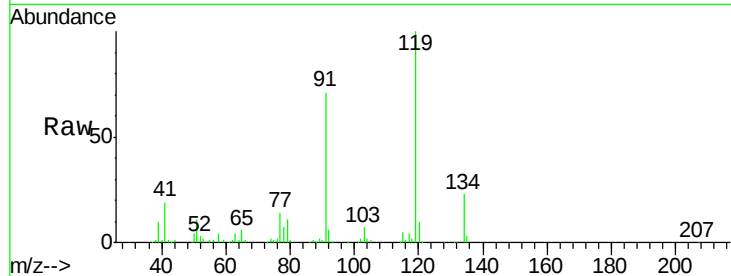
#83
tert-Butylbenzene
Concen: 20.463 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. 0.00 min
Lab File: VN062410.D
Acq: 8 Jul 2020 16:14

Instrument :
MSVOA_N
ClientSampleId :
VN0708WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.1	34.8	104.3
134	25.0	11.7	35.0

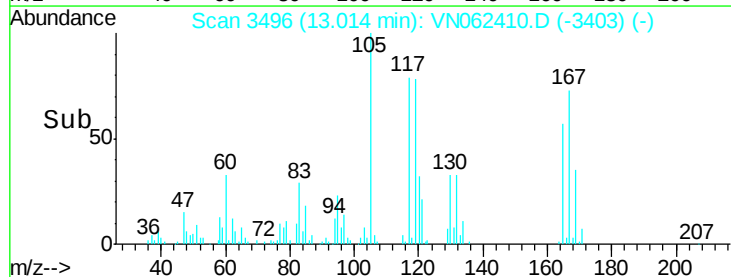
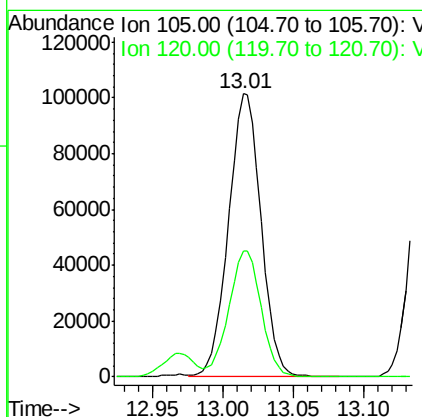
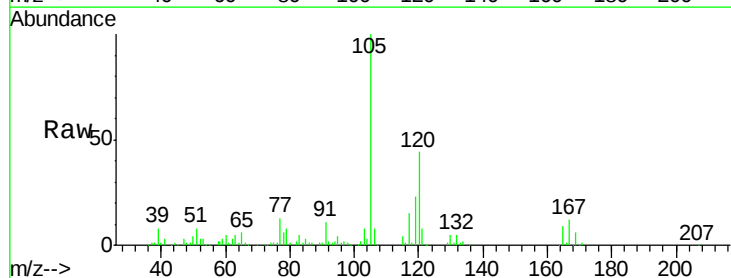
Manual Integrations
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#84
1,2,4-Trimethylbenzene
Concen: 19.927 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. 0.00 min
Lab File: VN062410.D
Acq: 8 Jul 2020 16:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.6	21.6	64.8





#85

sec-Butylbenzene

Concen: 20.293 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN062410.D

Acq: 8 Jul 2020 16:14

Instrument :

MSVOA_N

ClientSampled :

VN0708WBS01

Tot Ion:105 Resp: 187518

Ion Ratio Lower Upper

105 100

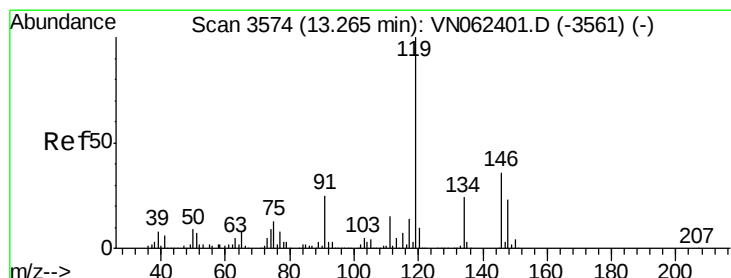
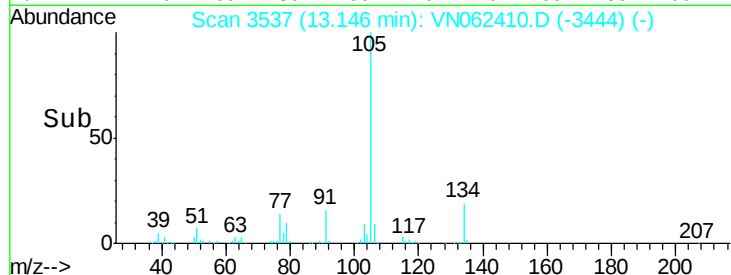
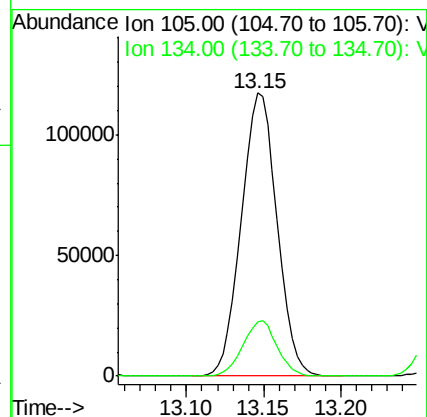
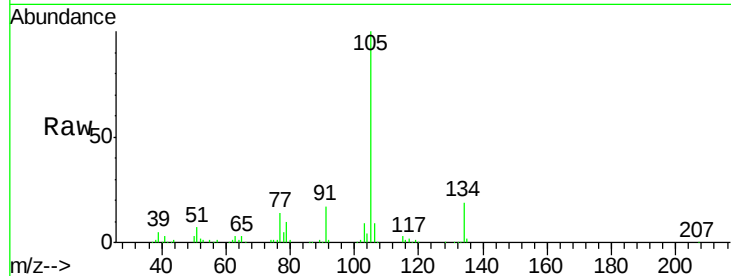
134 18.8 9.3 28.0

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.528 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN062410.D

Acq: 8 Jul 2020 16:14

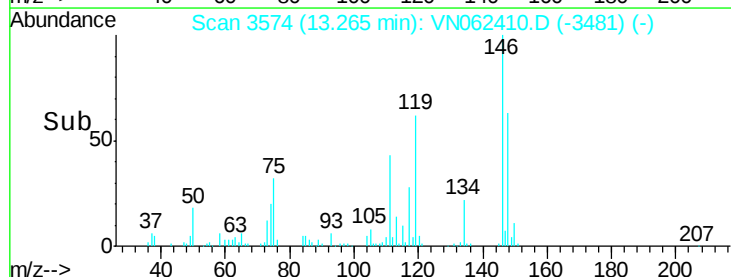
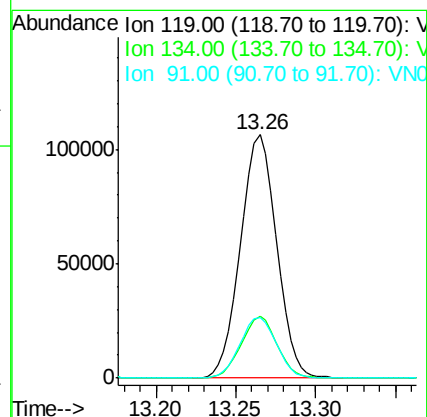
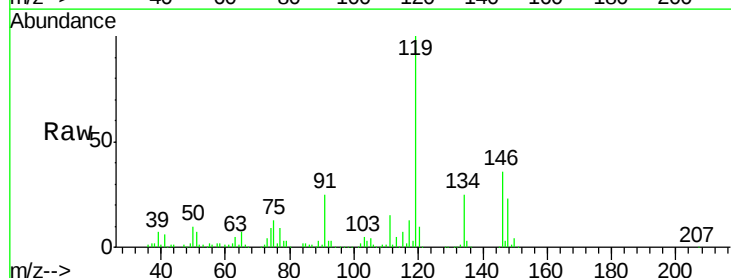
Tgt Ion:119 Resp: 163718

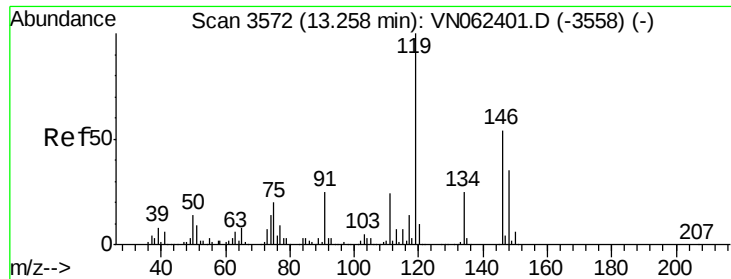
Ion Ratio Lower Upper

119 100

134 25.1 12.4 37.0

91 25.2 12.4 37.4





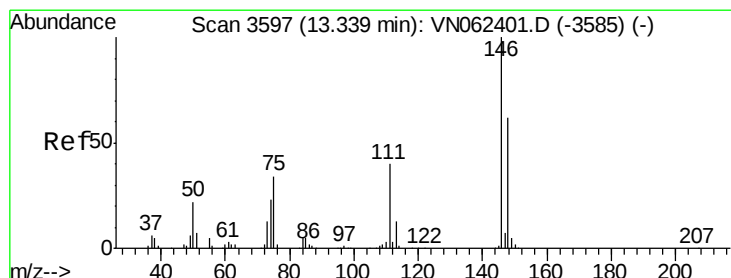
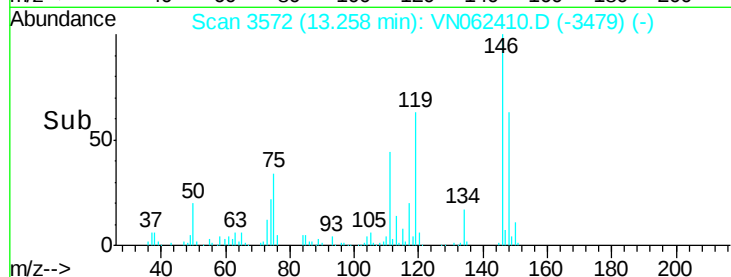
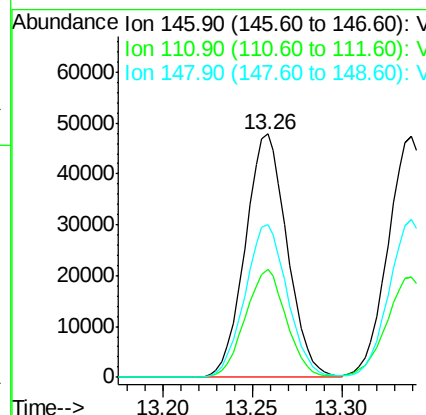
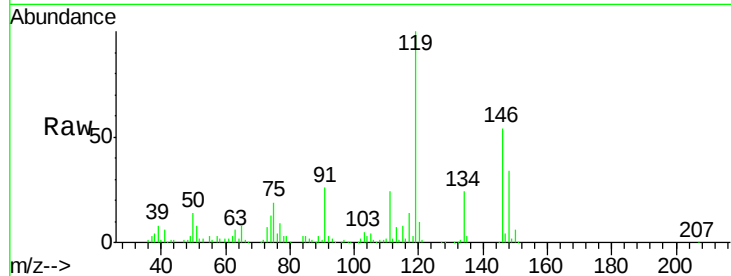
#87
 1,3-Dichlorobenzene
 Concen: 20.000 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN062410.D
 Acq: 8 Jul 2020 16:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0708WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.6	64.6
148	63.8	32.2	96.6

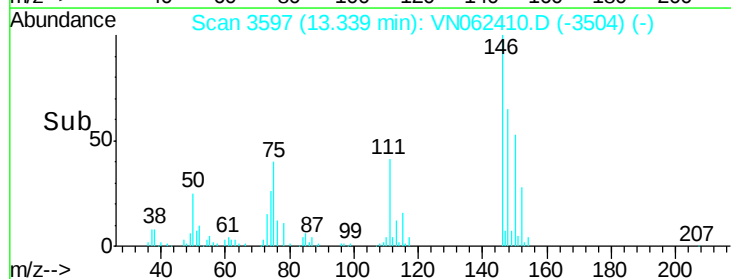
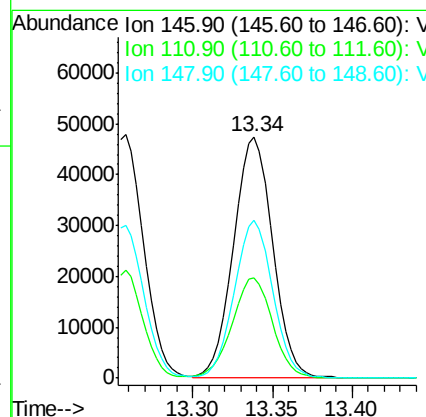
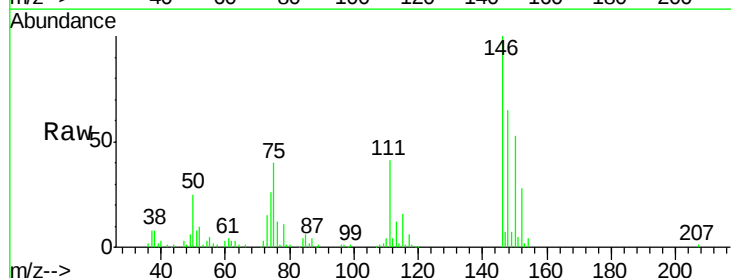
Manual Integrations
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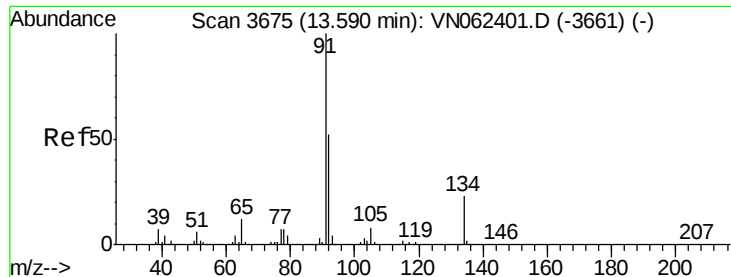
MMDadoda
 7/9/2020 10:55:08 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.514 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN062410.D
 Acq: 8 Jul 2020 16:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.1	63.1
148	64.8	31.4	94.2





#89

n-Butylbenzene

Concen: 19.217 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. 0.00 min

Lab File: VN062410.D

Acq: 8 Jul 2020 16:14

Instrument :

MSVOA_N

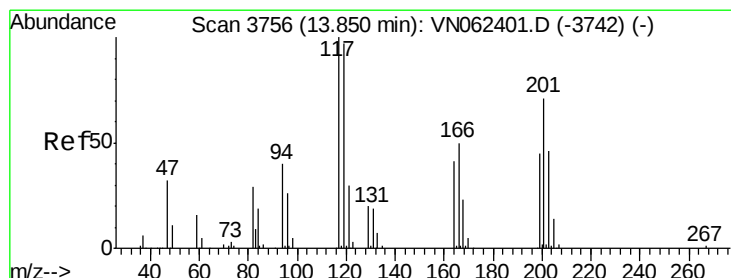
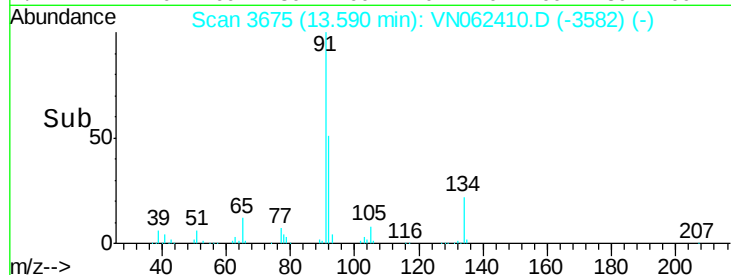
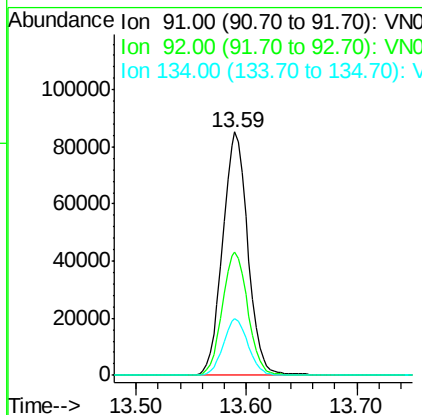
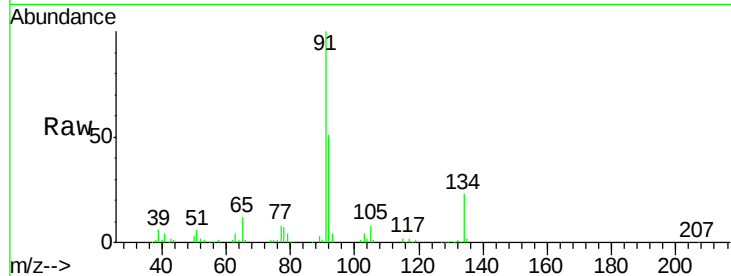
ClientSampled :

VN0708WBS01

Tot Ion:	91	Resp:	135320
Ion	Ratio	Lower	Upper
91	100		
92	51.0	25.9	77.7
134	22.8	11.6	34.8

Manual Integrations
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#90

Hexachloroethane

Concen: 20.295 ug/l

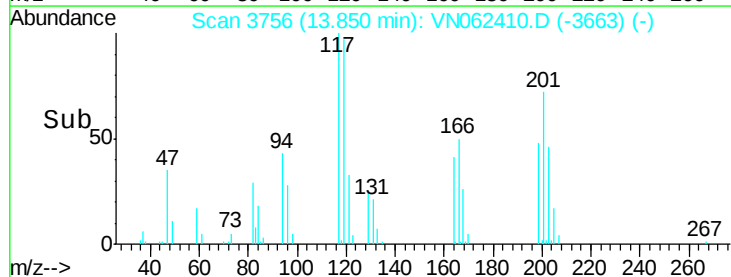
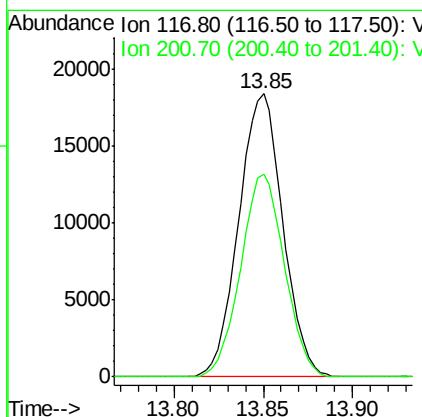
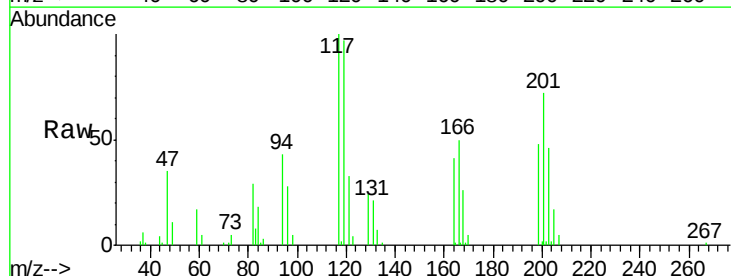
RT: 13.85 min Scan# 3756

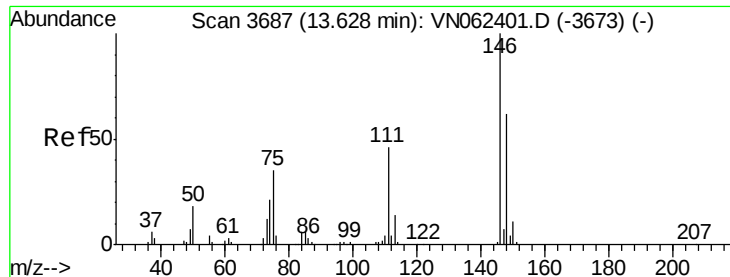
Delta R.T. 0.00 min

Lab File: VN062410.D

Acq: 8 Jul 2020 16:14

Tgt Ion:	117	Resp:	31839
Ion	Ratio	Lower	Upper
117	100		
201	71.0	35.4	106.2





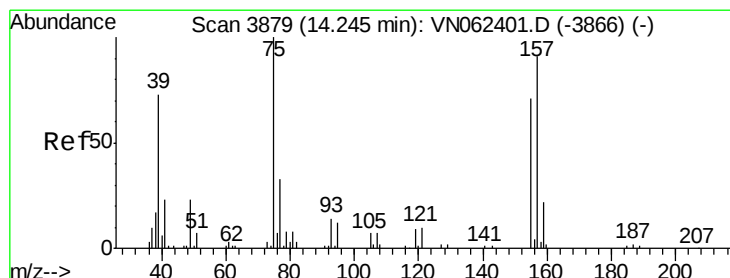
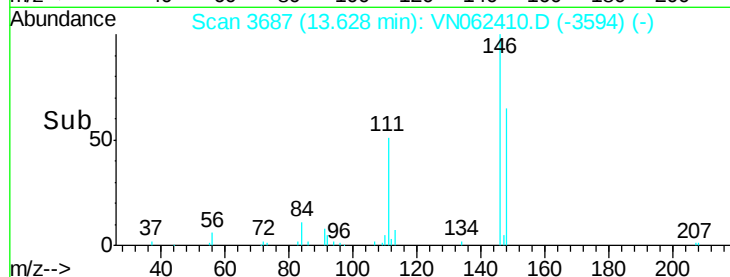
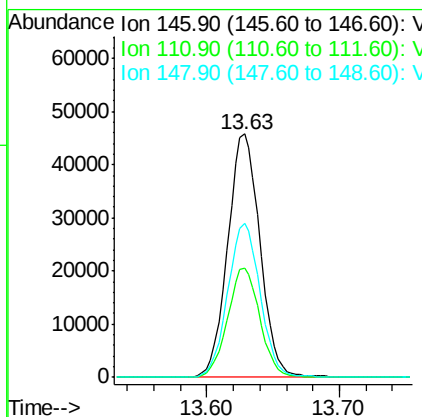
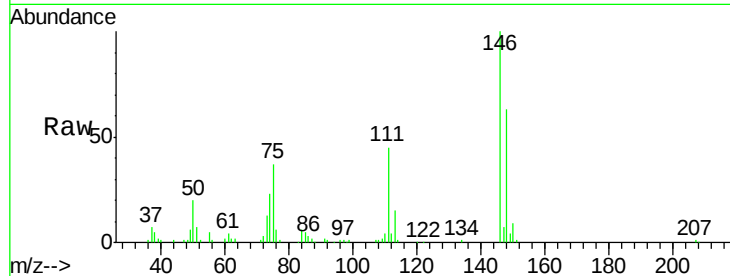
#91
 1,2-Dichlorobenzene
 Concen: 20.389 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN062410.D
 Acq: 8 Jul 2020 16:14

Instrument :
 MSVOA_N
 ClientSampled :
 VN0708WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.7	22.5	67.5
148	63.6	31.4	94.2

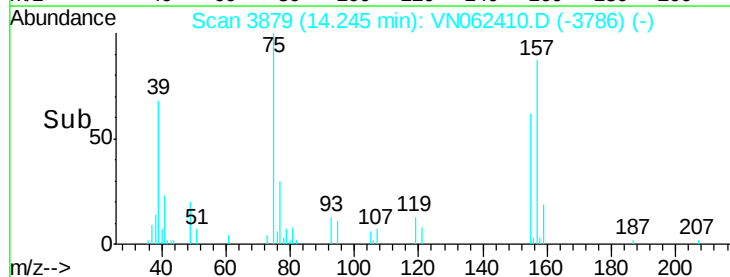
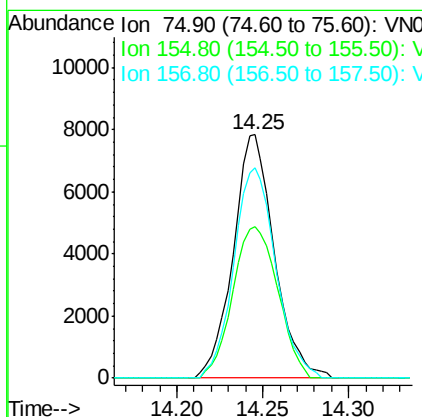
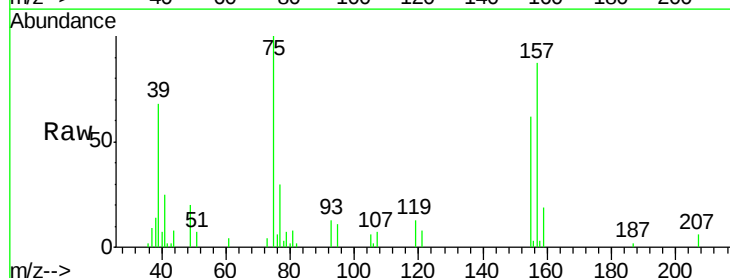
Manual Integrations
 APPROVED

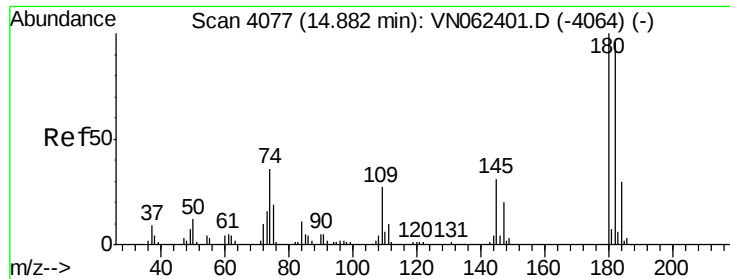
MMDadoda
 7/9/2020 10:55:08 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.249 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN062410.D
 Acq: 8 Jul 2020 16:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	68.1	35.2	105.6
157	88.0	45.8	137.3





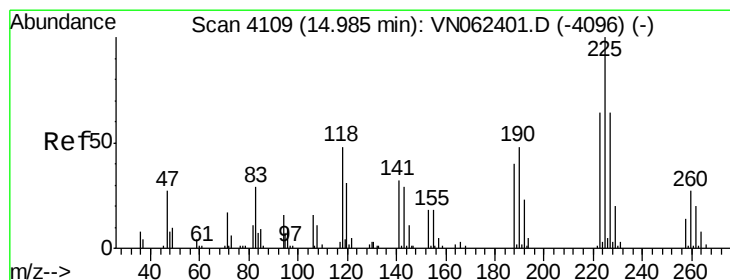
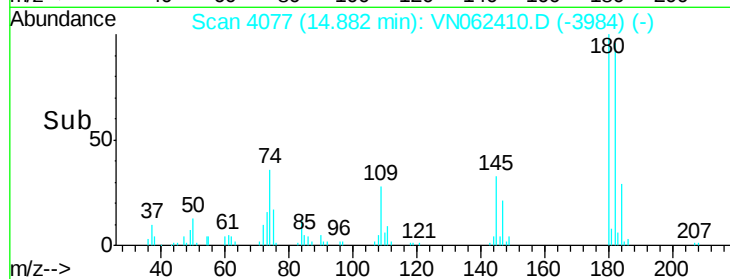
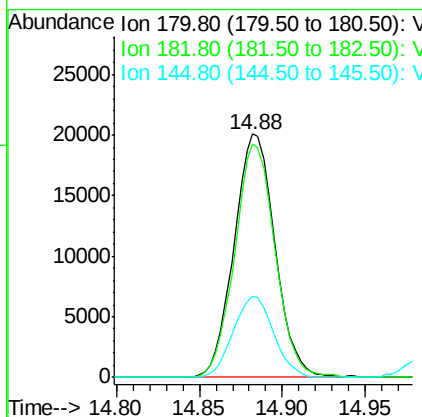
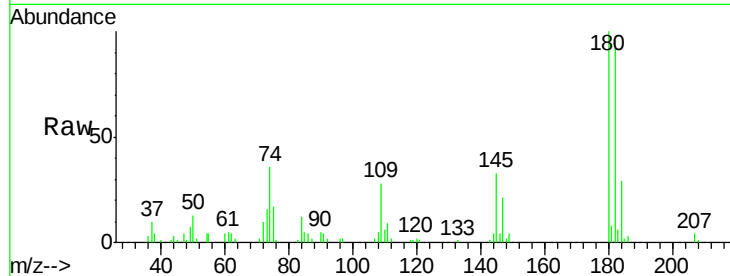
#93
1,2,4-Trichlorobenzene
Concen: 20.255 ug/l
RT: 14.88 min Scan# 4077
Delta R.T. 0.00 min
Lab File: VN062410.D
Acq: 8 Jul 2020 16:14

Instrument :
MSVOA_N
ClientSampled :
VN0708WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	48.4	145.2
145	32.9	15.5	46.5

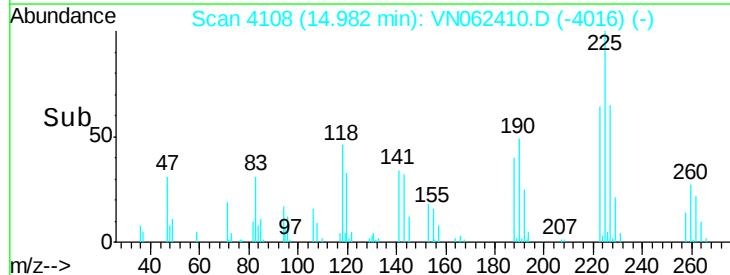
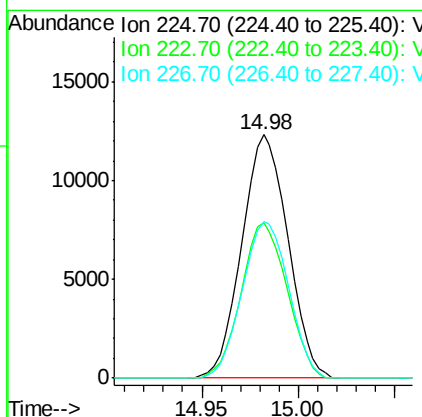
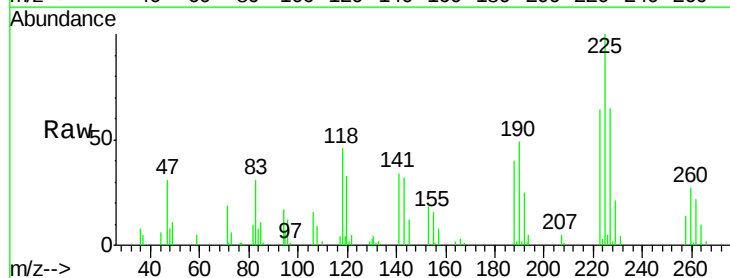
Manual Integrations
APPROVED

MMDadoda
7/9/2020 10:55:08 AM



#94
Hexachlorobutadiene
Concen: 20.214 ug/l
RT: 14.98 min Scan# 4108
Delta R.T. -0.00 min
Lab File: VN062410.D
Acq: 8 Jul 2020 16:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	32.3	96.8
227	64.8	31.9	95.7





#95

Naphthalene

Concen: 19.991 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN062410.D

Acq: 8 Jul 2020 16:14

Instrument :

MSVOA_N

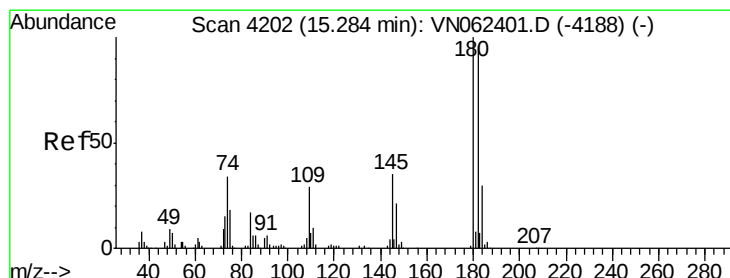
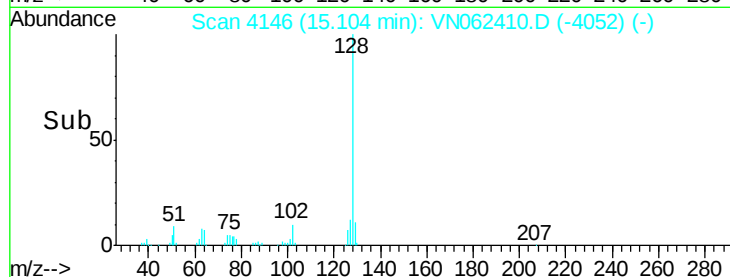
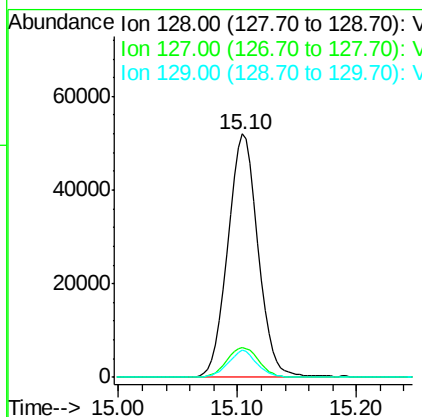
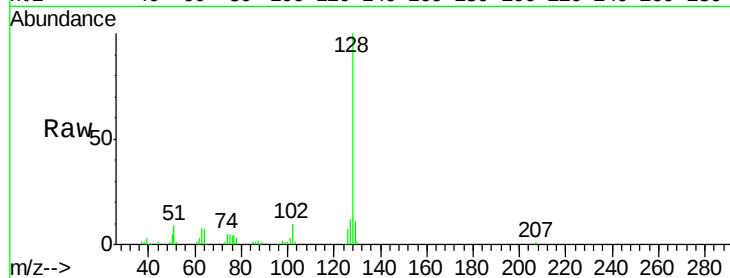
ClientSampled :

VN0708WBS01

Tot Ion:	128	Resp:	91944
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.4	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
7/9/2020 10:55:08 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.414 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN062410.D

Acq: 8 Jul 2020 16:14

Tgt Ion:	180	Resp:	35425
Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.8	143.4
145	34.0	17.0	50.9

