

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082420\
 Data File : VN063091.D
 Acq On : 24 Aug 2020 13:27
 Operator : JC/MD
 Sample : VN0824MBS01
 Misc : 5.00µg/10µL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824MBS01

Manual Integrations
 APPROVED

MMDadoda

8/25/2020 12:14:37 PM

Quant Time: Aug 25 01:00:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 06:09:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	177568	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	272461	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	259361	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	121424	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	111772	53.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.22%	
35) Dibromofluoromethane	7.55	113	90747	51.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.24%	
50) Toluene-d8	10.06	98	357084	52.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.72%	
62) 4-Bromofluorobenzene	12.38	95	122890	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	46761	20.321	ug/l	99
3) Chloromethane	2.04	50	51653	21.215	ug/l	100
4) Vinyl Chloride	2.16	62	50631	21.503	ug/l	98
5) Bromomethane	2.48	94	19531	13.975	ug/l	100
6) Chloroethane	2.59	64	21270	15.300	ug/l	98
7) Trichlorofluoromethane	2.92	101	61819	21.053	ug/l	99
8) Diethyl Ether	3.36	74	21044	20.259	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.68	101	31368	19.825	ug/l	99
10) Methyl Iodide	3.89	142	33915	16.911	ug/l	99
11) Tert butyl alcohol	4.79	59	16607	55.710	ug/l #	74
12) 1,1-Dichloroethene	3.67	96	27578	18.297	ug/l	96
13) Acrolein	3.56	56	2144	22.959	ug/l #	58
14) Allyl chloride	4.26	41	50621	19.048	ug/l	98
15) Acrylonitrile	4.93	53	90522	103.317	ug/l	99
16) Acetone	3.79	43	64964	96.583	ug/l	96
17) Carbon Disulfide	3.98	76	70992	17.985	ug/l	99
18) Methyl Acetate	4.28	43	43572	20.834	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	110610	21.043	ug/l	98
20) Methylene Chloride	4.49	84	39389	20.439	ug/l	95
21) trans-1,2-Dichloroethene	4.97	96	30545	19.365	ug/l	96
22) Diisopropyl ether	5.90	45	132280	21.934	ug/l	99
23) Vinyl Acetate	5.84	43	404239	99.331	ug/l	99
24) 1,1-Dichloroethane	5.79	63	68769	20.406	ug/l	97
25) 2-Butanone	6.79	43	104152	93.218	ug/l	98
26) 2,2-Dichloropropane	6.77	77	53793	20.297	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	39463	19.960	ug/l	99
28) Bromochloromethane	7.15	49	33229	18.845	ug/l	97
29) Tetrahydrofuran	7.17	42	70111	97.228	ug/l	99
30) Chloroform	7.33	83	68964	20.319	ug/l	99
31) Cyclohexane	7.61	56	60206	19.410	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	56639	20.441	ug/l	98
36) 1,1-Dichloropropene	7.75	75	45146	18.802	ug/l	99
37) Ethyl Acetate	6.89	43	44060	19.584	ug/l	96
38) Carbon Tetrachloride	7.73	117	47767	19.705	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	50587	16.680	ug/l	93
40) Benzene	8.00	78	148142	19.453	ug/l	98
41) Methacrylonitrile	7.13	41	19969	18.629	ug/l	92
42) 1,2-Dichloroethane	8.08	62	51912	20.302	ug/l	98
43) Isopropyl Acetate	8.13	43	73375	19.686	ug/l	99
44) Trichloroethene	8.80	130	36972	19.518	ug/l	96
45) 1,2-Dichloropropane	9.08	63	43618	19.815	ug/l	97
46) Dibromomethane	9.18	93	25647	20.168	ug/l	99
47) Bromodichloromethane	9.37	83	55786	20.029	ug/l	99
48) Methyl methacrylate	9.17	41	34246	19.419	ug/l	97
49) 1,4-Dioxane	9.18	88	4659	133.510	ug/l #	85
51) 4-Methyl-2-Pentanone	9.96	43	239258	101.554	ug/l	98
52) Toluene	10.12	92	93149	20.277	ug/l	98
53) t-1,3-Dichloropropene	10.36	75	57940	20.116	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	64205	20.320	ug/l	98
55) 1,1,2-Trichloroethane	10.54	97	41276	21.013	ug/l	99
56) Ethyl methacrylate	10.40	69	53616	18.798	ug/l	98
57) 1,3-Dichloropropane	10.68	76	66581	20.412	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	67099	98.734	ug/l	99
59) 2-Hexanone	10.73	43	163551	99.523	ug/l	96
60) Dibromochloromethane	10.88	129	43148	19.849	ug/l	100
61) 1,2-Dibromoethane	10.98	107	39185	20.761	ug/l	99
64) Tetrachloroethene	10.60	164	32639	19.144	ug/l	97
65) Chlorobenzene	11.41	112	103399	19.850	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	41298	20.383	ug/l	98
67) Ethyl Benzene	11.49	91	172727	19.625	ug/l	99
68) m/p-Xylenes	11.60	106	130835	39.995	ug/l	99
69) o-Xylene	11.92	106	62309	19.835	ug/l	97
70) Styrene	11.94	104	109649	18.836	ug/l	99
71) Bromoform	12.10	173	32054	19.876	ug/l #	100
73) Isopropylbenzene	12.23	105	169133	20.340	ug/l	99
74) N-amyl acetate	12.05	43	62588	21.016	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	58851	20.955	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	51555m	21.843	ug/l	
77) Bromobenzene	12.50	156	46968	20.538	ug/l	99
78) n-propylbenzene	12.57	91	192014	20.259	ug/l	99
79) 2-Chlorotoluene	12.65	91	120778	20.260	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	136823	19.905	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	18356	21.360	ug/l	95
82) 4-Chlorotoluene	12.75	91	123000	20.263	ug/l	99
83) tert-Butylbenzene	12.97	119	116073	19.565	ug/l	97
84) 1,2,4-Trimethylbenzene	13.02	105	129144	19.285	ug/l	99
85) sec-Butylbenzene	13.15	105	150683	18.793	ug/l	99
86) p-Isopropyltoluene	13.26	119	125917	18.023	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	80617	20.512	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	79801	20.005	ug/l	99
89) n-Butylbenzene	13.59	91	97699	16.708	ug/l	98
90) Hexachloroethane	13.85	117	27968	18.835	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	78868	20.774	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	9523	22.740	ug/l	99

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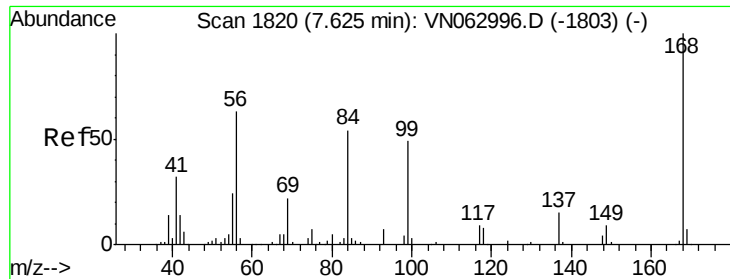
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	34951	19.644	ug/l	97
94) Hexachlorobutadiene	14.99	225	21254	15.150	ug/l	98
95) Naphthalene	15.11	128	79189	20.143	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	34198	19.228	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN063091.D

Acq: 24 Aug 2020 13:27

Instrument :

MSVOA_N

ClientSampled :

VN0824MBS01

Tot Ion:168 Resp: 177568

Ion Ratio Lower Upper

168 100

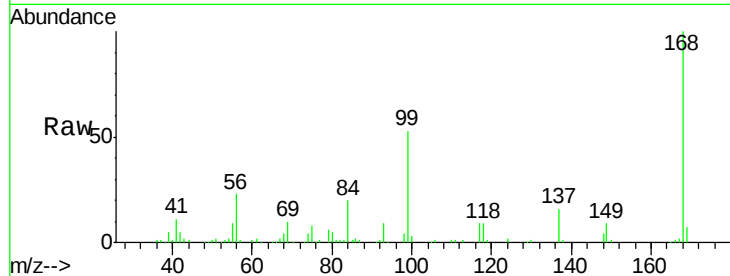
99 52.8 42.0 63.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

80000

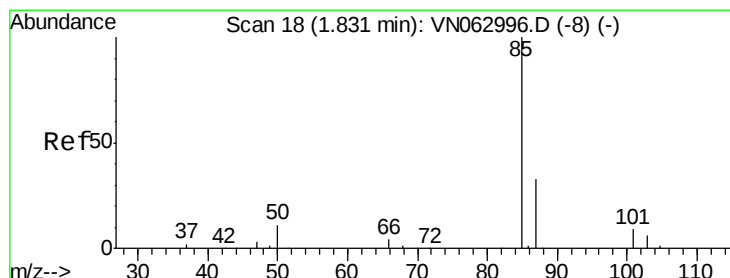
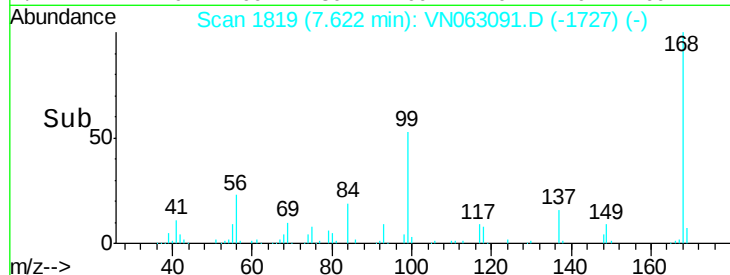
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 20.321 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN063091.D

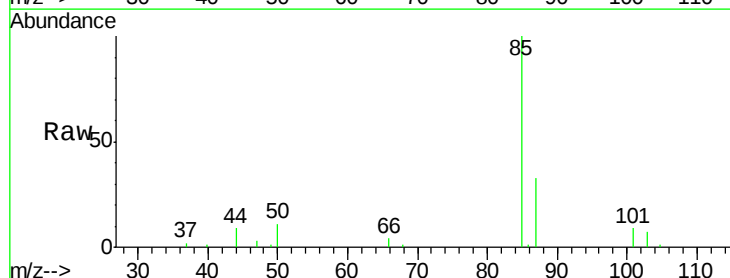
Acq: 24 Aug 2020 13:27

Tgt Ion: 85 Resp: 46761

Ion Ratio Lower Upper

85 100

87 32.5 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

30000

25000

20000

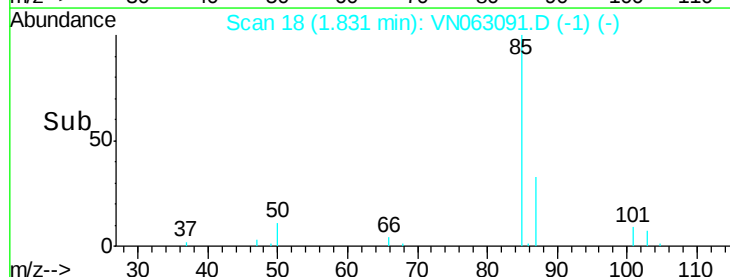
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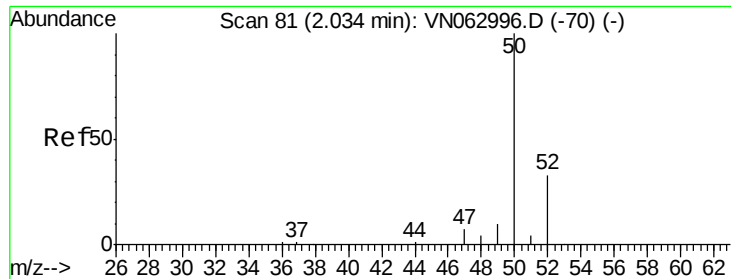
10000

5000

0

Time--> 1.75 1.80 1.85 1.90





#3

Chloromethane

Concen: 21.215 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN063091.D

Acq: 24 Aug 2020 13:27

Instrument :

MSVOA_N

ClientSampleId :

VN0824MBS01

Tot Ion: 50 Resp: 51653

Ion Ratio Lower Upper

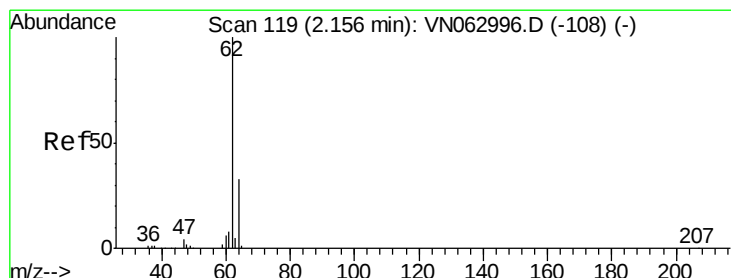
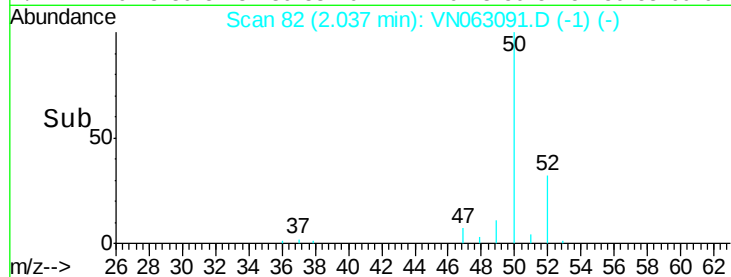
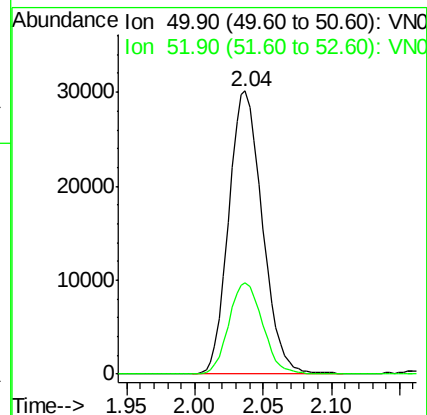
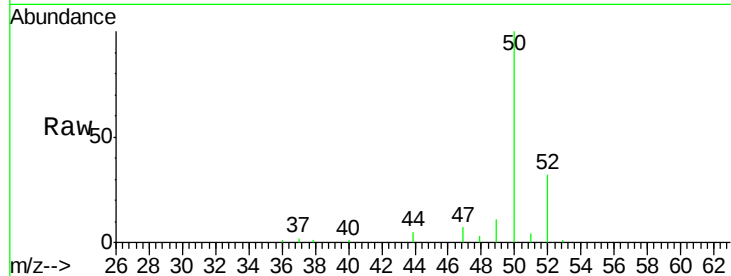
50 100

52 32.5 26.0 39.0

Manual Integrations
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#4

Vinyl Chloride

Concen: 21.503 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.01 min

Lab File: VN063091.D

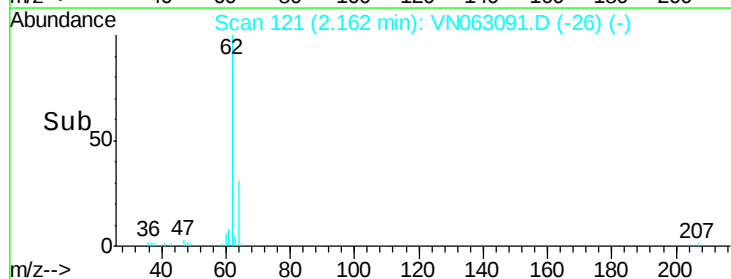
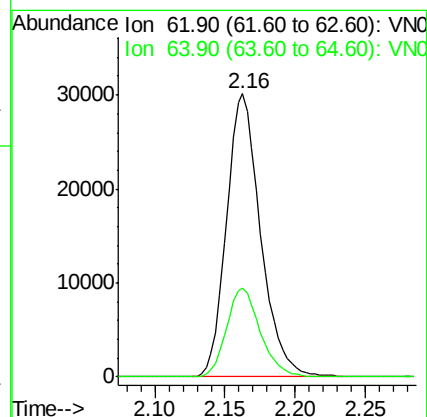
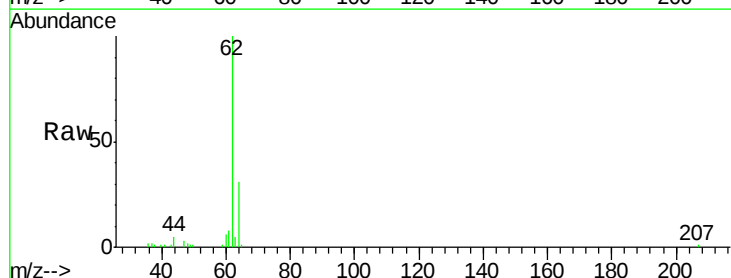
Acq: 24 Aug 2020 13:27

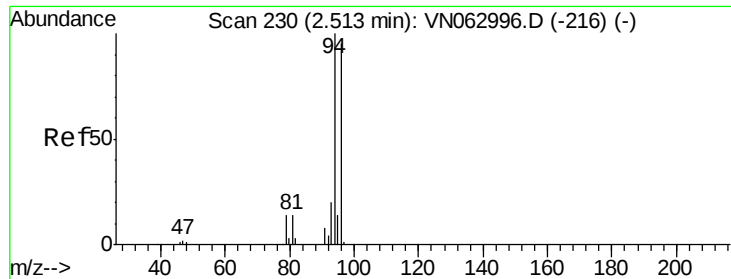
Tgt Ion: 62 Resp: 50631

Ion Ratio Lower Upper

62 100

64 31.5 26.2 39.2





#5

Bromomethane

Concen: 13.975 ug/l

RT: 2.48 min Scan# 221

Delta R.T. -0.03 min

Lab File: VN063091.D

Acq: 24 Aug 2020 13:27

Instrument :

MSVOA_N

ClientSampleId :

VN0824MBS01

Tot Ion: 94 Resp: 19531

Ion Ratio Lower Upper

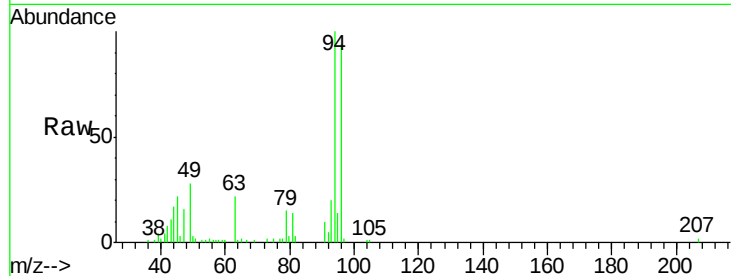
94 100

96 94.4 75.8 113.8

Manual Integrations
APPROVED

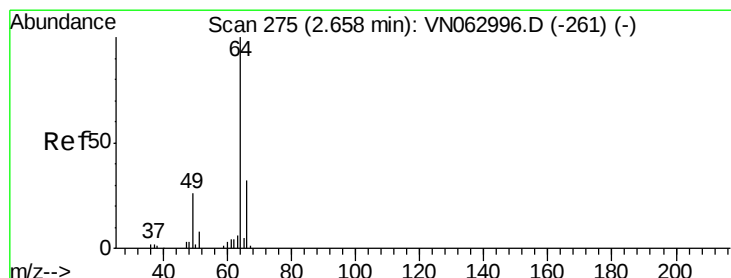
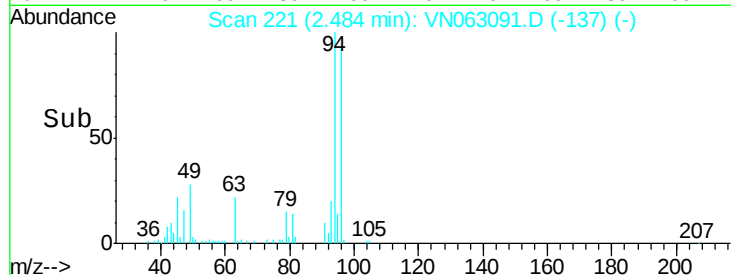
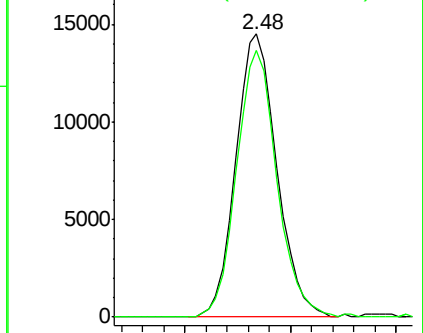
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 15.300 ug/l

RT: 2.59 min Scan# 253

Delta R.T. -0.07 min

Lab File: VN063091.D

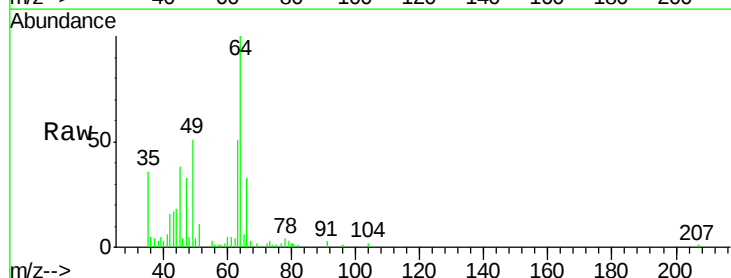
Acq: 24 Aug 2020 13:27

Tgt Ion: 64 Resp: 21270

Ion Ratio Lower Upper

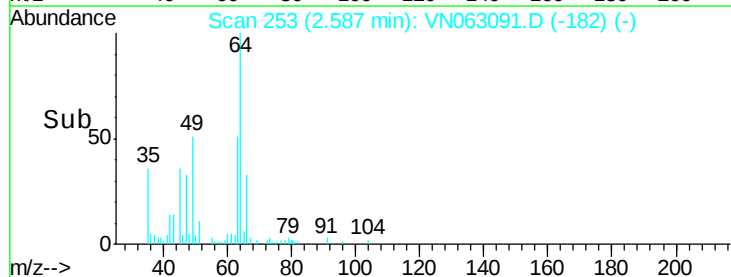
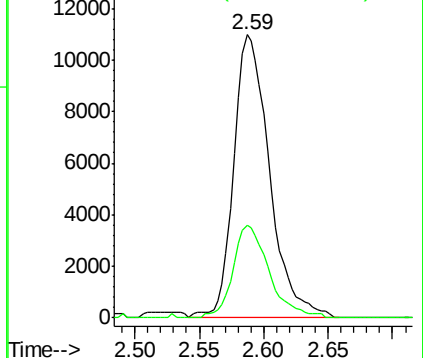
64 100

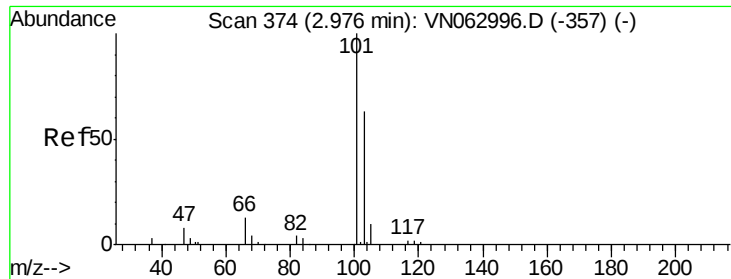
66 32.7 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

Trichlorofluoromethane
 Concen: 21.053 ug/l
 RT: 2.92 min Scan# 357
 Delta R.T. -0.05 min
 Lab File: VN063091.D
 Acq: 24 Aug 2020 13:27

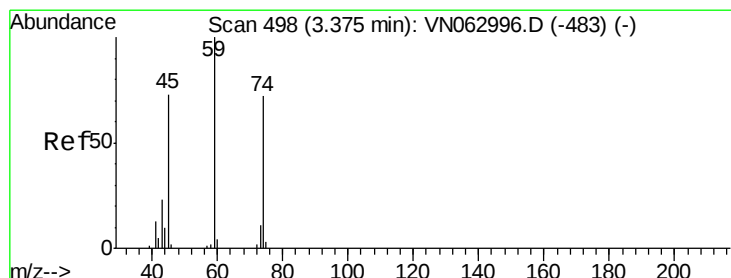
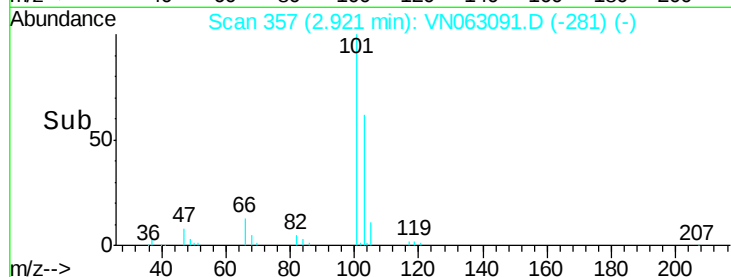
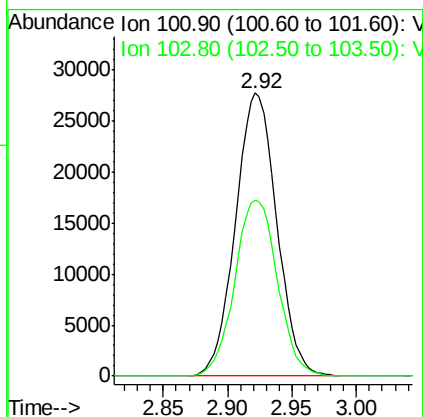
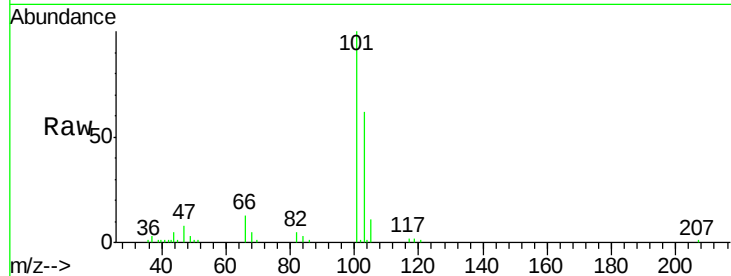
Instrument :
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 VN0824MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		61819		
103	62.3	50.5	75.7		

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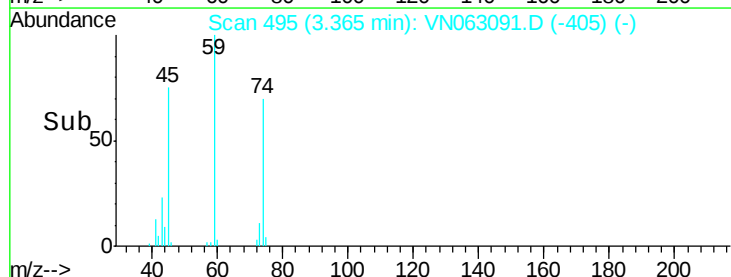
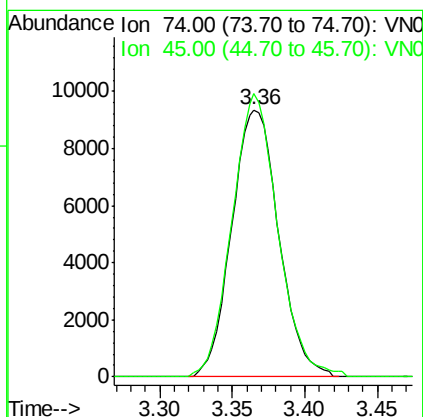
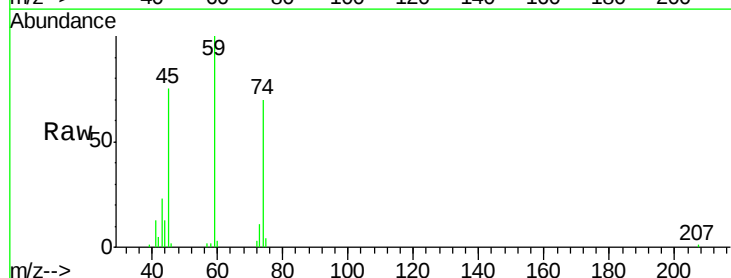
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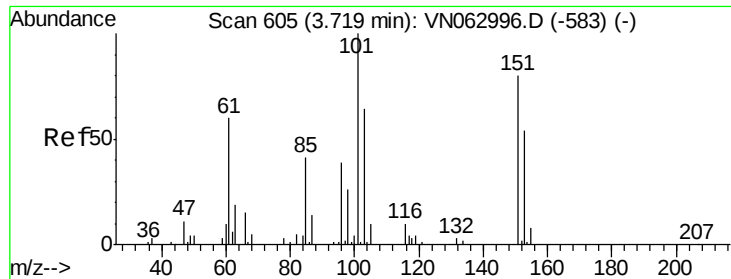


#8

Diethyl Ether
 Concen: 20.259 ug/l
 RT: 3.36 min Scan# 495
 Delta R.T. -0.01 min
 Lab File: VN063091.D
 Acq: 24 Aug 2020 13:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		21044		
45	103.4	49.9	149.7		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.825 ug/l

RT: 3.68 min Scan# 594

Delta R.T. -0.04 min

Lab File: VN063091.D

Acq: 24 Aug 2020 13:27

Instrument :

MSVOA_N

ClientSampled :

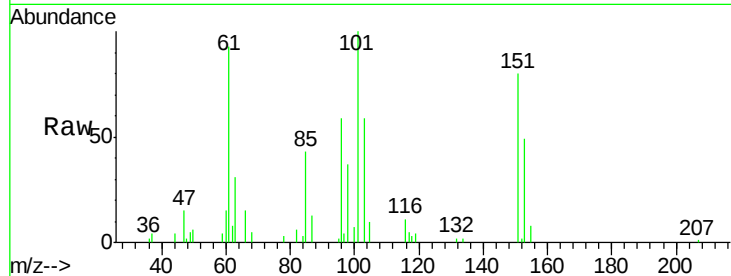
VN0824MBS01

Tot Ion:	101	Resp:	31368
Ion Ratio	Lower	Upper	
101	100		
85	42.0	34.0	51.0
151	80.9	65.8	98.8

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MMDadoda

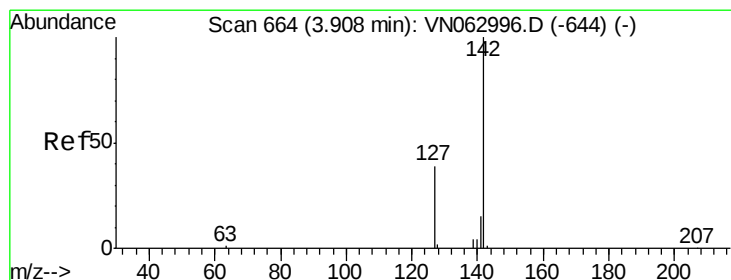
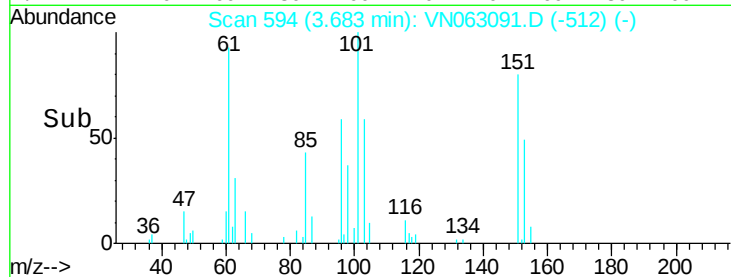
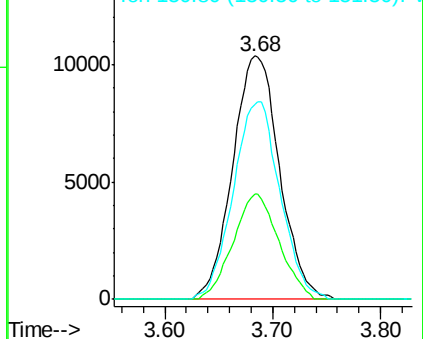
8/25/2020 12:14:37 PM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 16.911 ug/l

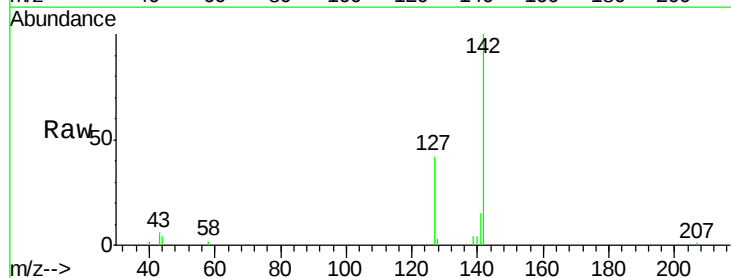
RT: 3.89 min Scan# 657

Delta R.T. -0.02 min

Lab File: VN063091.D

Acq: 24 Aug 2020 13:27

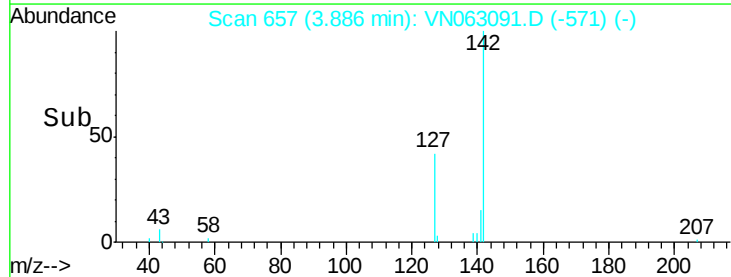
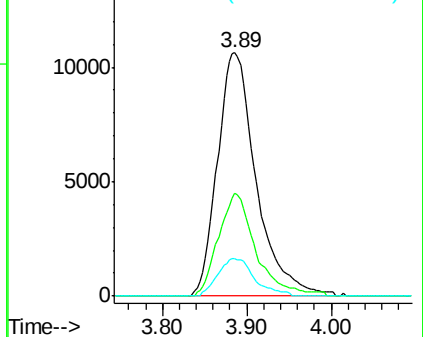
Tgt Ion:	142	Resp:	33915
Ion Ratio	Lower	Upper	
142	100		
127	40.2	32.2	48.4
141	14.7	11.3	16.9

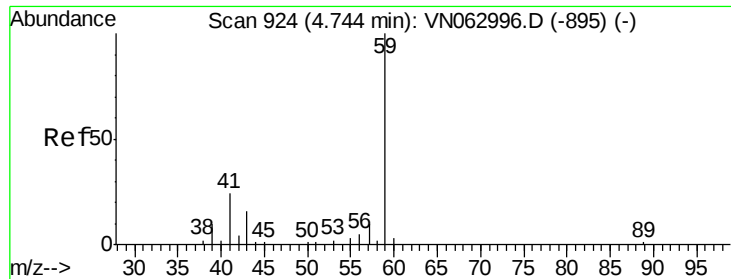


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol
 Concen: 55.710 ug/l
 RT: 4.79 min Scan# 937
 Delta R.T. 0.04 min
 Lab File: VN063091.D
 Acq: 24 Aug 2020 13:27

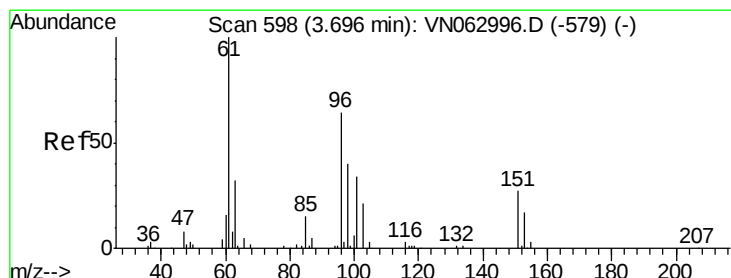
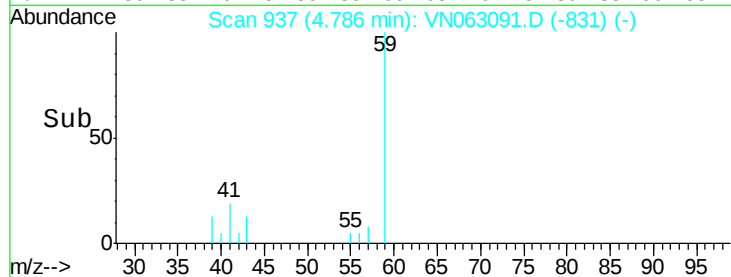
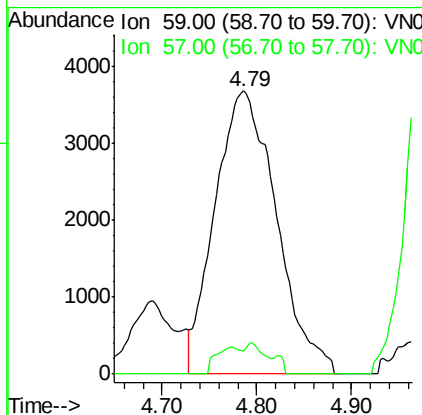
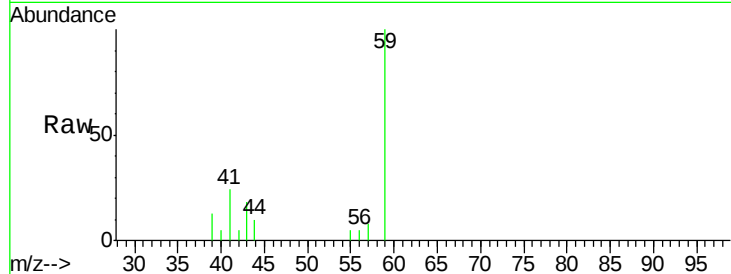
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.8	11.6#

Manual Integrations
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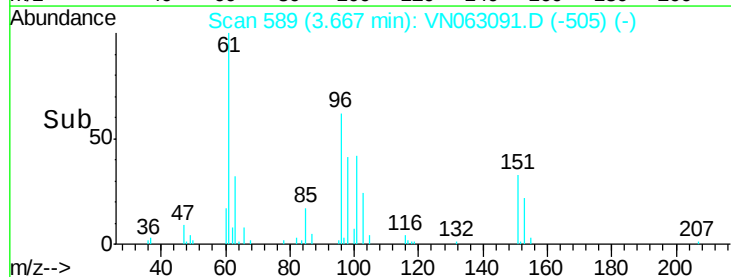
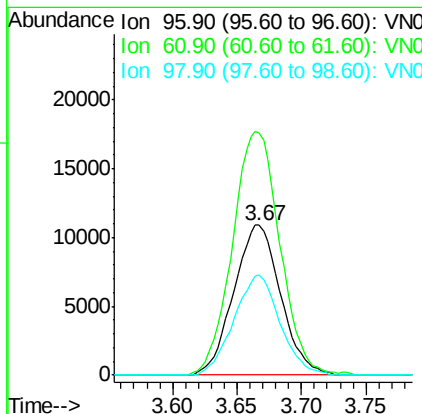
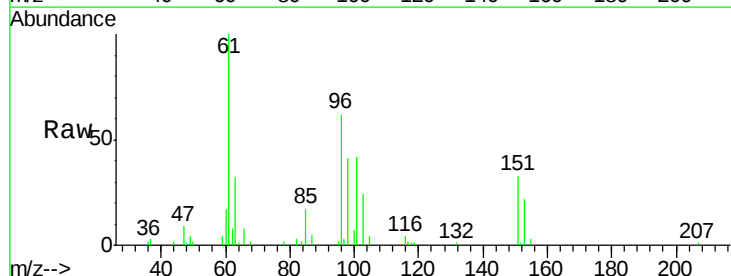
8/25/2020 12:14:37 PM

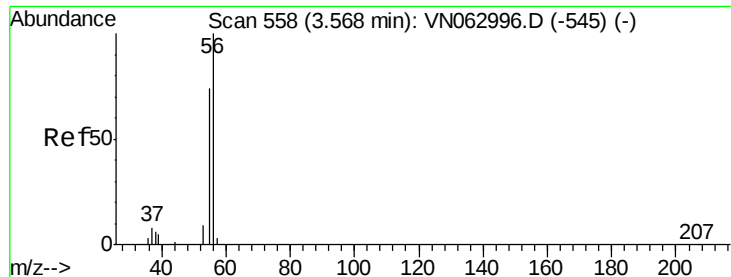


#12

1,1-Dichloroethene
 Concen: 18.297 ug/l
 RT: 3.67 min Scan# 589
 Delta R.T. -0.03 min
 Lab File: VN063091.D
 Acq: 24 Aug 2020 13:27

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.9	125.5	188.3
98	66.8	50.4	75.6





#13

Acrolein

Concen: 22.959 ug/l

RT: 3.56 min Scan# 557

Delta R.T. -0.00 min

Lab File: VN063091.D

Acq: 24 Aug 2020 13:27

Instrument :

MSVOA_N

ClientSampleId :

VN0824MBS01

Tot Ion: 56 Resp: 2144

Ion Ratio Lower Upper

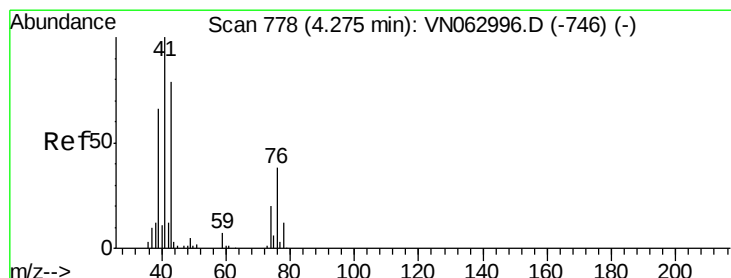
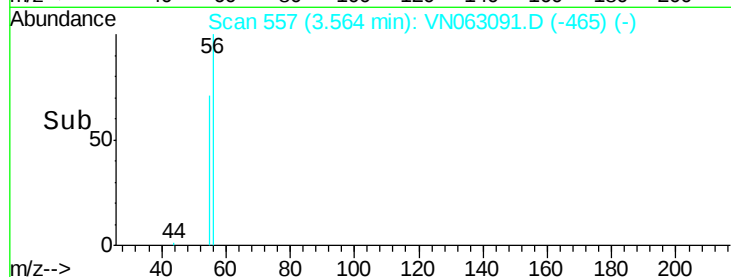
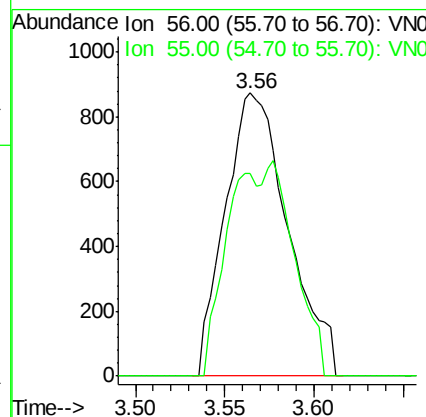
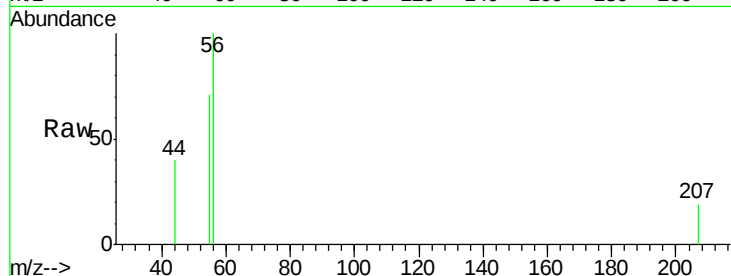
56 100

55 37.7 58.4 87.6#

Manual Integrations
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#14

Allyl chloride

Concen: 19.048 ug/l

RT: 4.26 min Scan# 772

Delta R.T. -0.02 min

Lab File: VN063091.D

Acq: 24 Aug 2020 13:27

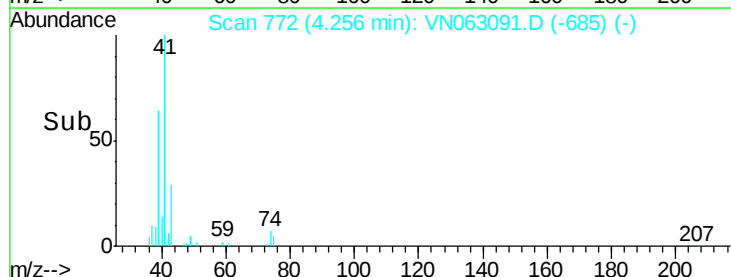
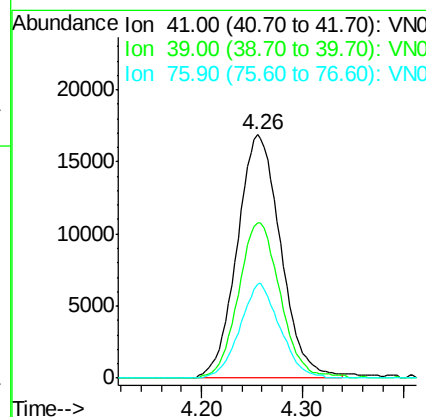
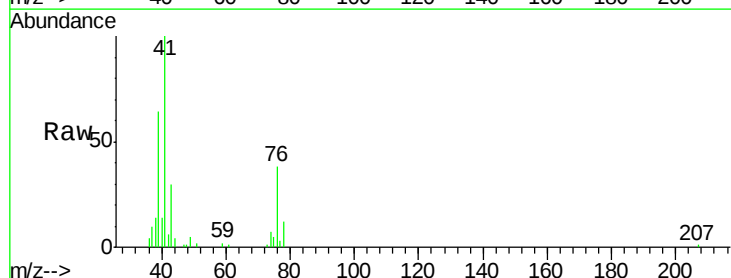
Tgt Ion: 41 Resp: 50621

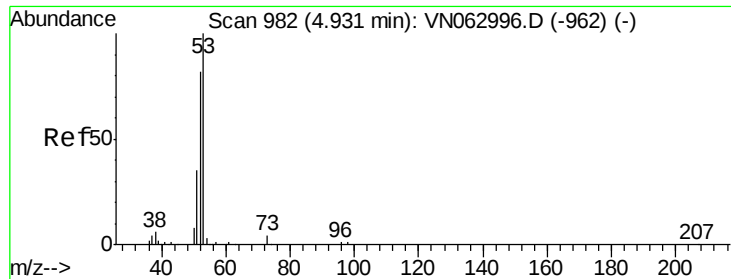
Ion Ratio Lower Upper

41 100

39 61.5 47.9 71.9

76 35.6 27.0 40.6





#15

Acrylonitrile

Concen: 103.317 ug/l

RT: 4.93 min Scan# 983

Delta R.T. 0.00 min

Lab File: VN063091.D

Acq: 24 Aug 2020 13:27

Instrument :

MSVOA_N

ClientSampleId :

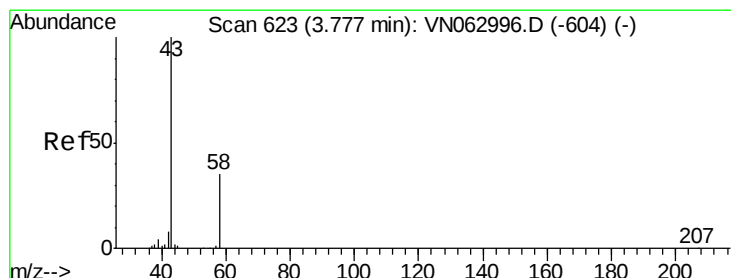
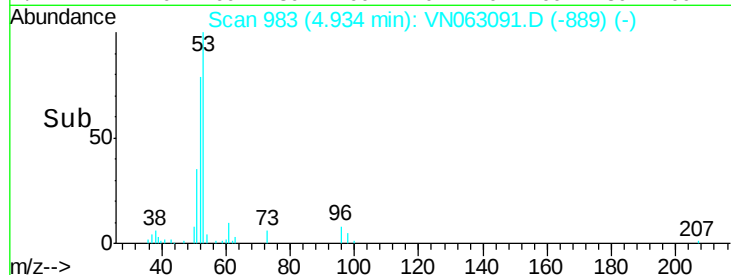
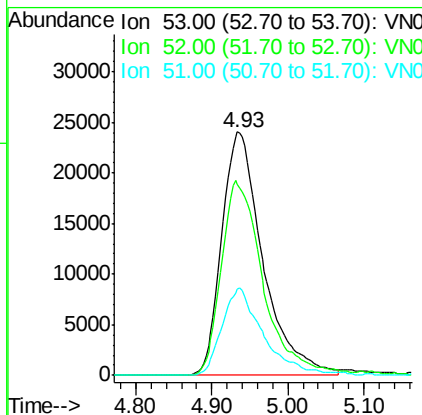
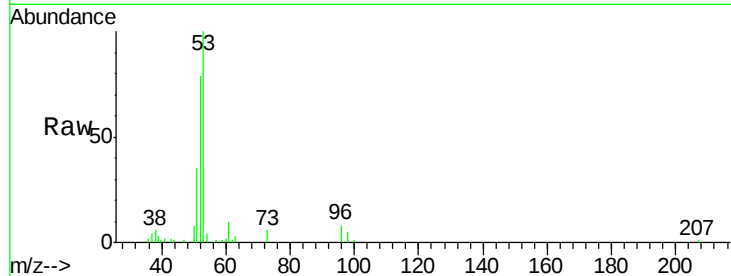
VN0824MBS01

Tot Ion:	53	Resp:	90522
Ion Ratio	Lower	Upper	
53	100		
52	81.1	65.6	98.4
51	35.8	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 96.583 ug/l

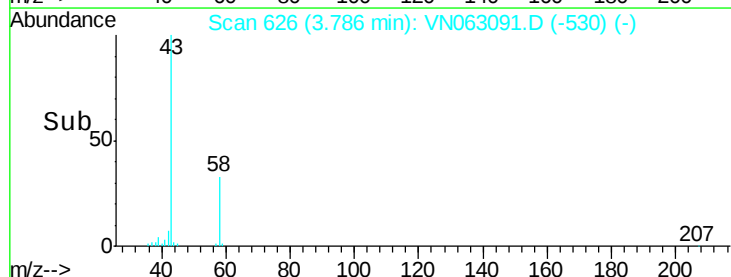
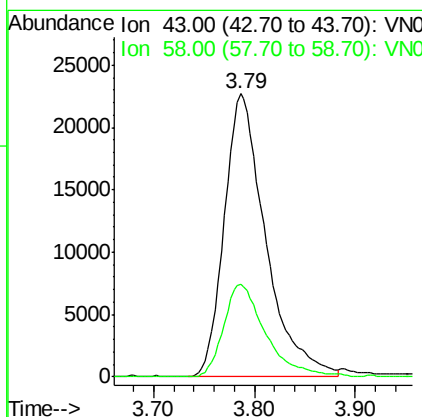
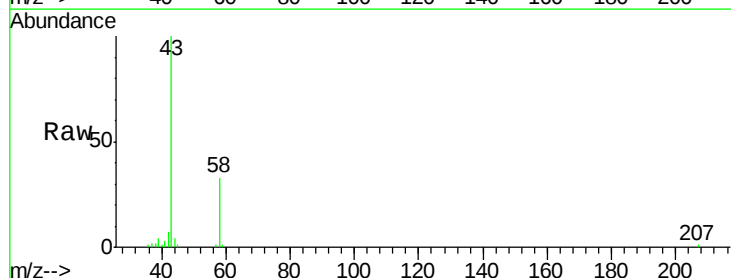
RT: 3.79 min Scan# 626

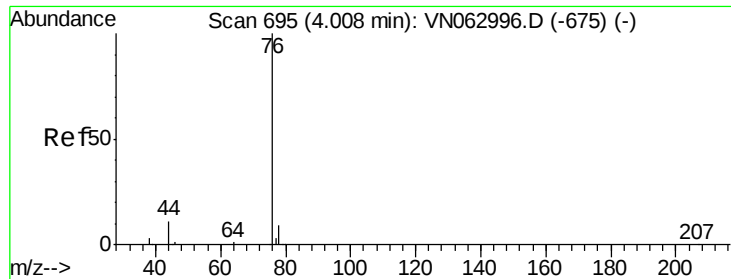
Delta R.T. 0.01 min

Lab File: VN063091.D

Acq: 24 Aug 2020 13:27

Tgt Ion:	43	Resp:	64964
Ion Ratio	Lower	Upper	
43	100		
58	32.6	27.8	41.6





#17
Carbon Disulfide
Concen: 17.985 ug/l
RT: 3.98 min Scan# 687
Delta R.T. -0.03 min
Lab File: VN063091.D
Acq: 24 Aug 2020 13:27

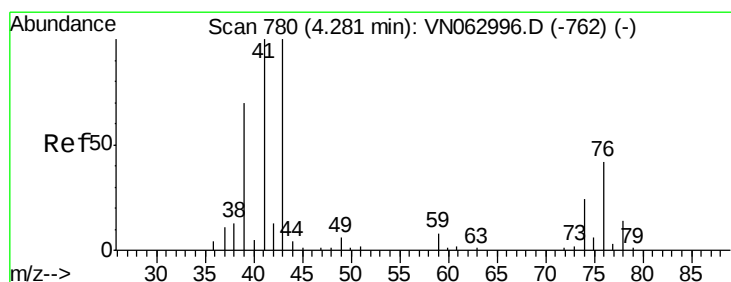
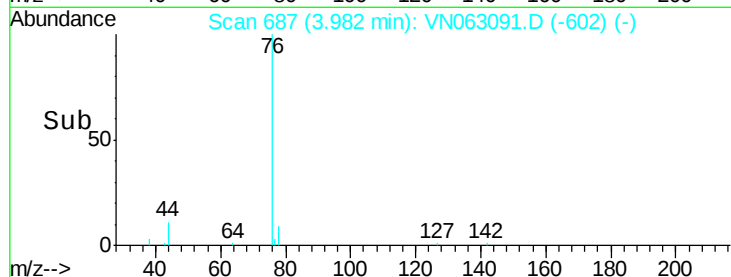
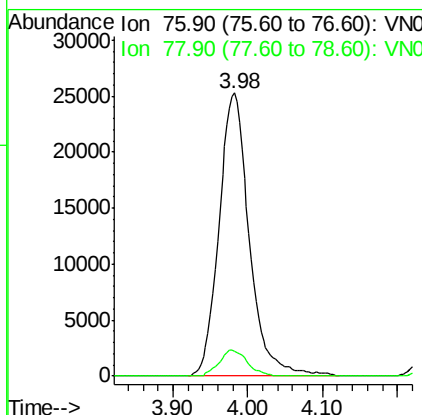
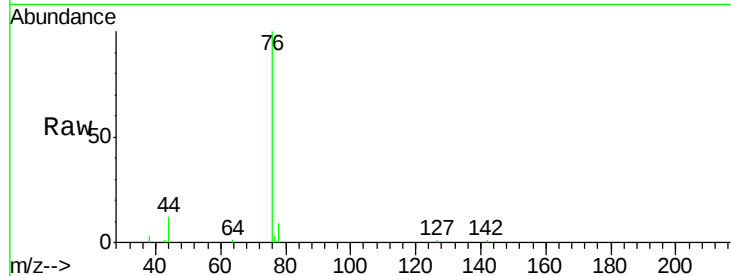
Instrument :
MSVOA_N
ClientSampleId :
VN0824MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	6.9	10.3

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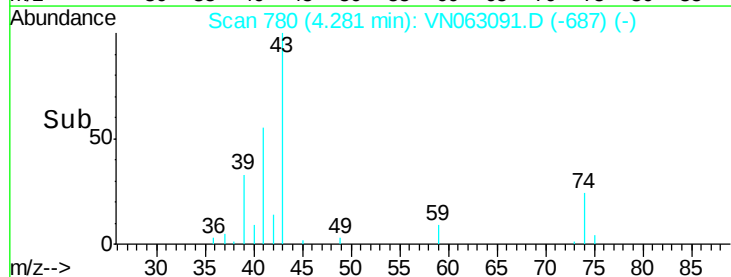
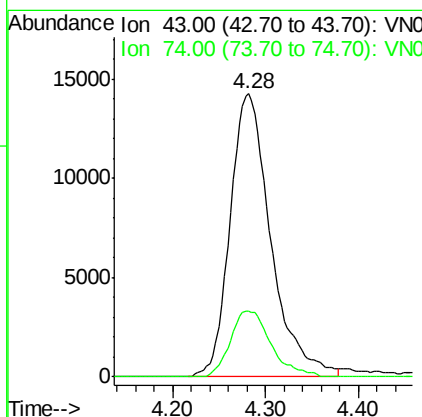
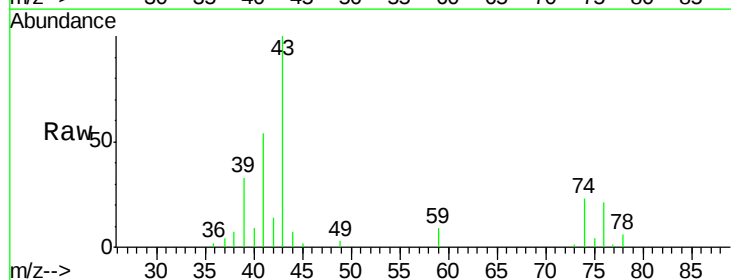
MMDadoda

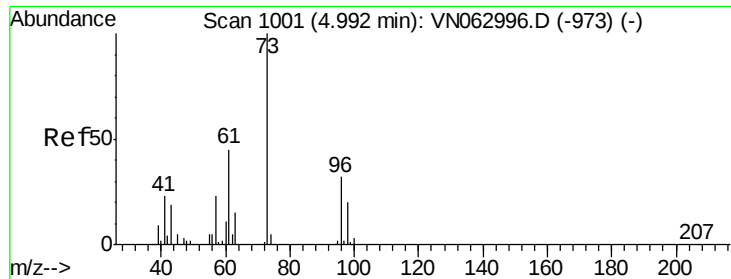
8/25/2020 12:14:37 PM



#18
Methyl Acetate
Concen: 20.834 ug/l
RT: 4.28 min Scan# 780
Delta R.T. -0.00 min
Lab File: VN063091.D
Acq: 24 Aug 2020 13:27

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.2	18.6	28.0





#19
Methvl tert-butvl Ether
Concen: 21.043 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VN063091.D
Acq: 24 Aug 2020 13:27

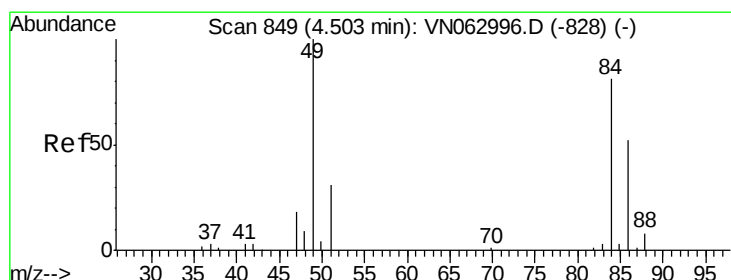
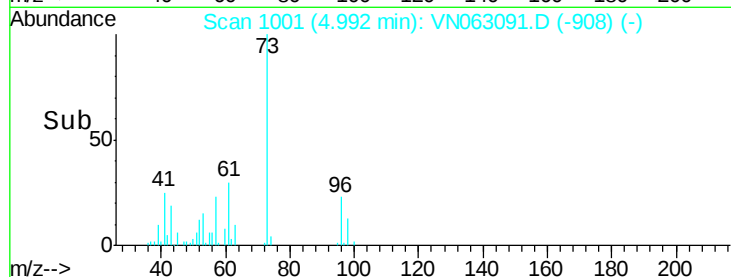
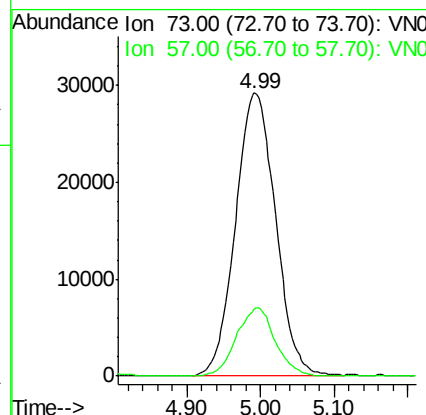
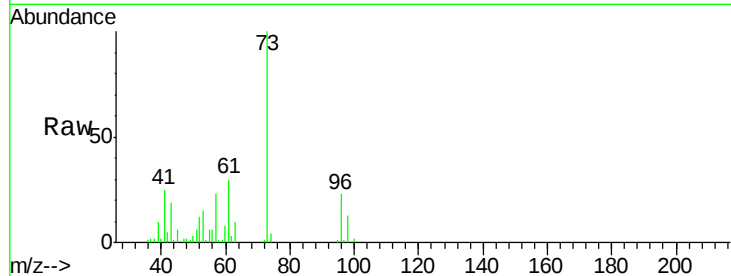
Instrument :
MSVOA_N
ClientSampleId :
VN0824MBS01

Tot Ion: 73 Resp: 110610
Ion Ratio Lower Upper
73 100
57 23.5 18.1 27.1

Manual Integrations
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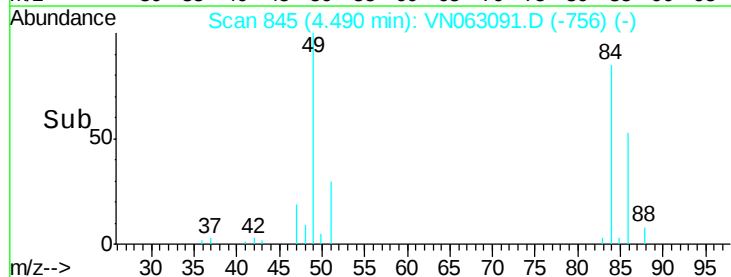
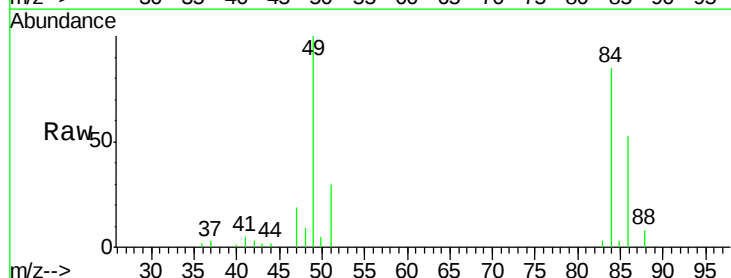
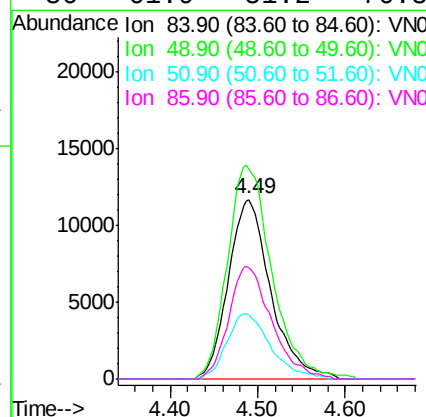
MMDadoda

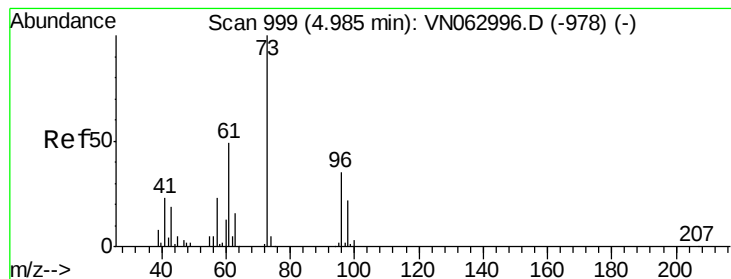
8/25/2020 12:14:37 PM



#20
Methylene Chloride
Concen: 20.439 ug/l
RT: 4.49 min Scan# 845
Delta R.T. -0.01 min
Lab File: VN063091.D
Acq: 24 Aug 2020 13:27

Tgt Ion: 84 Resp: 39389
Ion Ratio Lower Upper
84 100
49 117.0 98.7 148.1
51 35.3 30.8 46.2
86 61.9 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 19.365 ug/l

RT: 4.97 min Scan# 994

Delta R.T. -0.02 min

Lab File: VN063091.D

Acq: 24 Aug 2020 13:27

Instrument :

MSVOA_N

ClientSampleId :

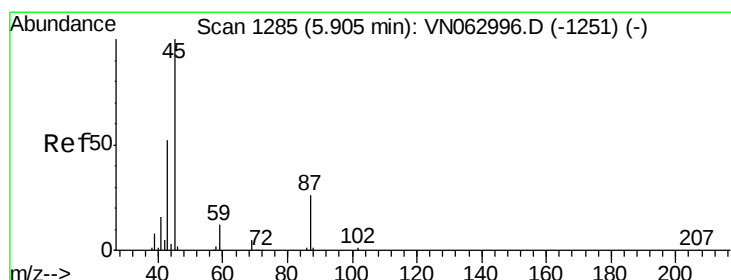
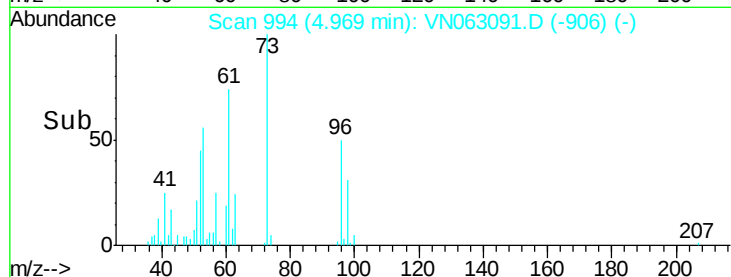
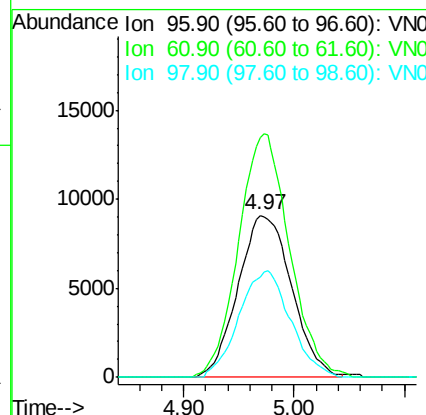
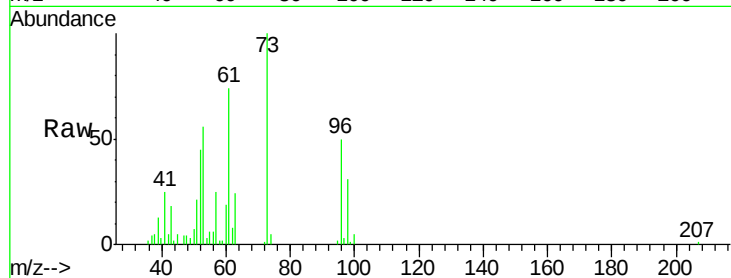
VN0824MBS01

Tot Ion:	96	Resp:	30545
Ion	Ratio	Lower	Upper
96	100		
61	147.9	112.5	168.7
98	62.0	49.4	74.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.934 ug/l

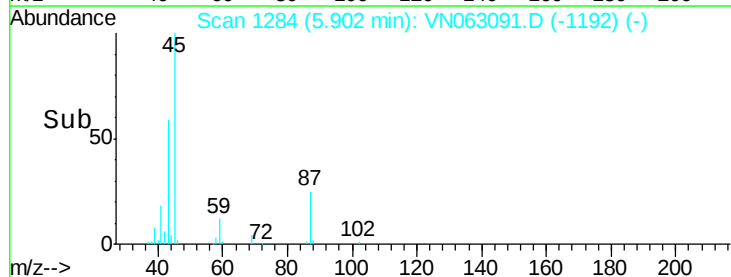
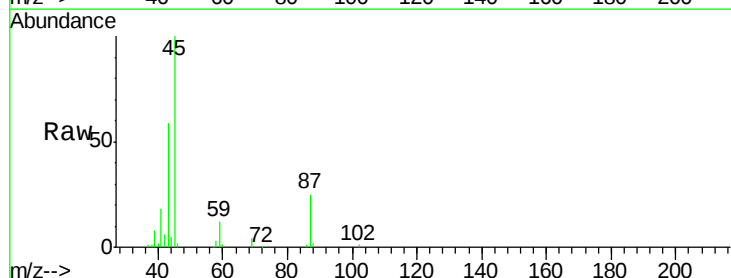
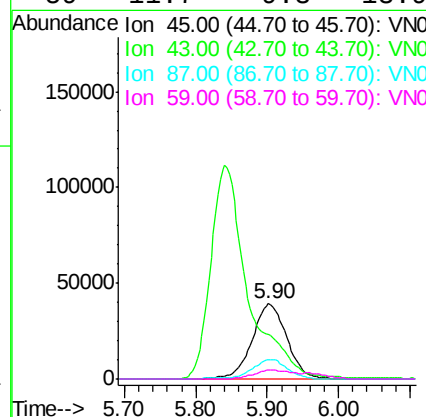
RT: 5.90 min Scan# 1284

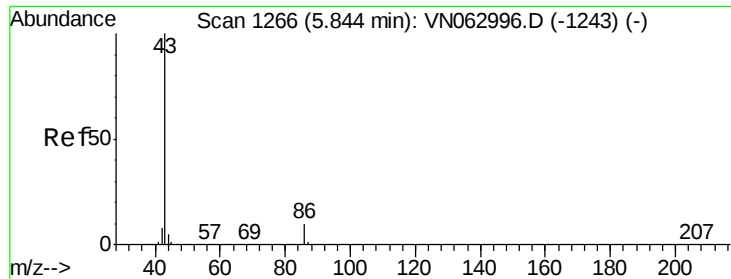
Delta R.T. -0.00 min

Lab File: VN063091.D

Acq: 24 Aug 2020 13:27

Tgt Ion:	45	Resp:	132280
Ion	Ratio	Lower	Upper
45	100		
43	56.9	45.7	68.5
87	25.5	21.8	32.6
59	11.7	9.3	13.9





#23

Vinyl Acetate

Concen: 99.331 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VN063091.D

Acq: 24 Aug 2020 13:27

Instrument :

MSVOA_N

ClientSampleId :

VN0824MBS01

Tot Ion: 43 Resp: 404239

Ion Ratio Lower Upper

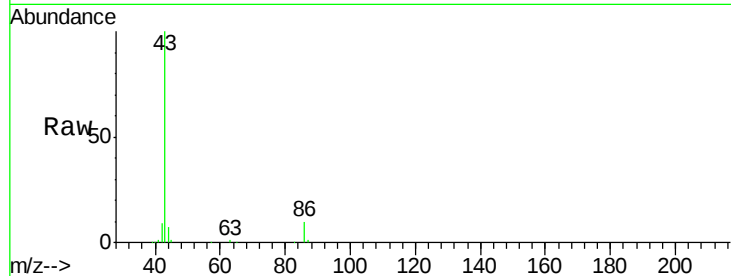
43 100

86 9.7 8.0 12.0

Manual Integrations
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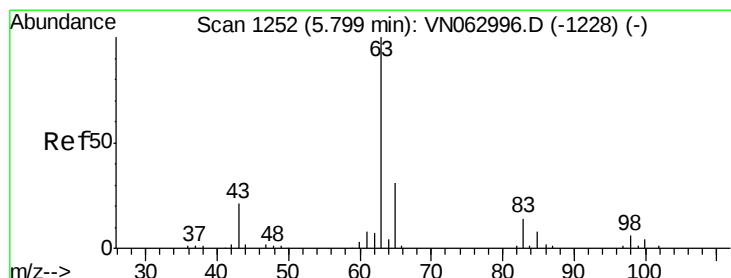
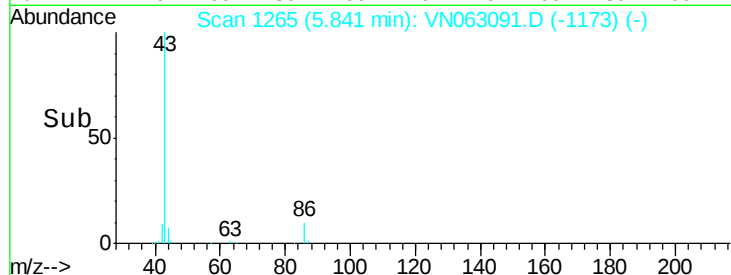
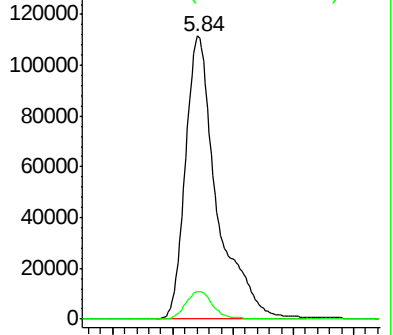
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.406 ug/l

RT: 5.79 min Scan# 1249

Delta R.T. -0.01 min

Lab File: VN063091.D

Acq: 24 Aug 2020 13:27

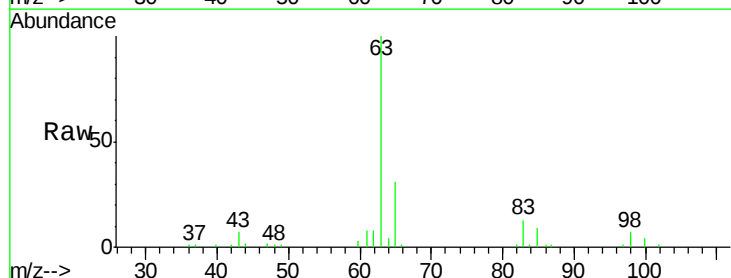
Tgt Ion: 63 Resp: 68769

Ion Ratio Lower Upper

63 100

98 7.1 2.9 8.7

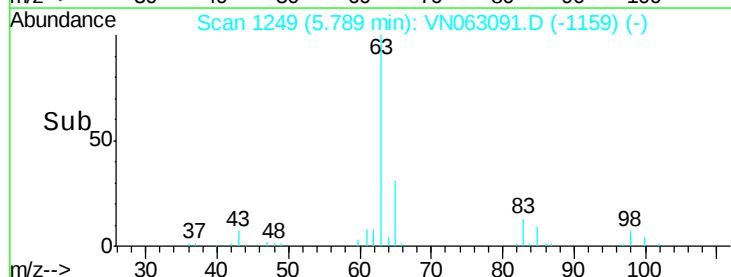
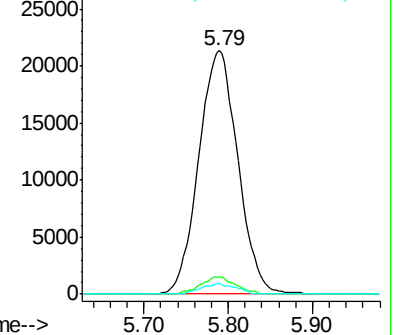
100 4.4 2.0 5.8

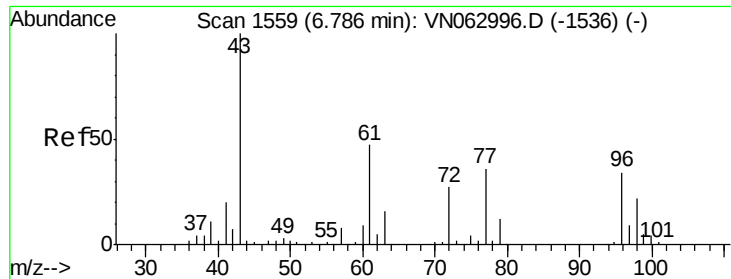


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25
2-Butanone
Concen: 93.218 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. 0.01 min
Lab File: VN063091.D
Acq: 24 Aug 2020 13:27

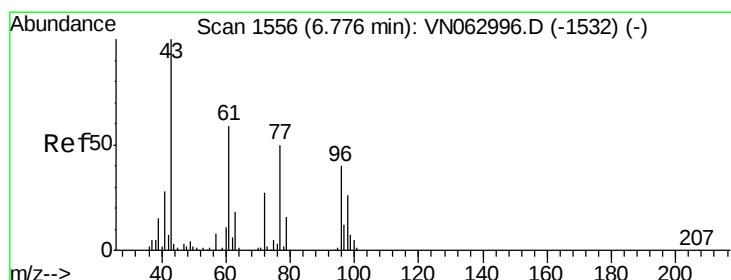
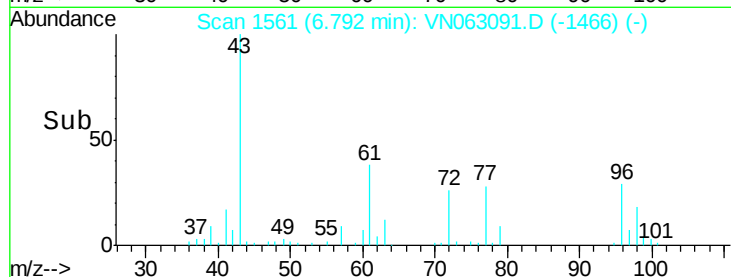
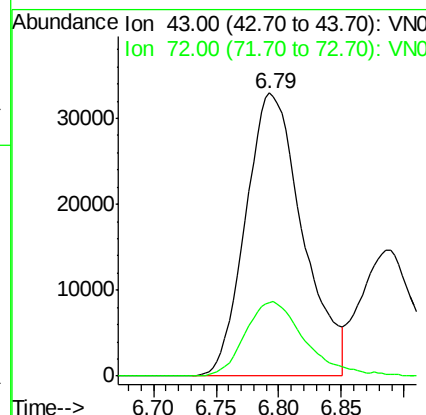
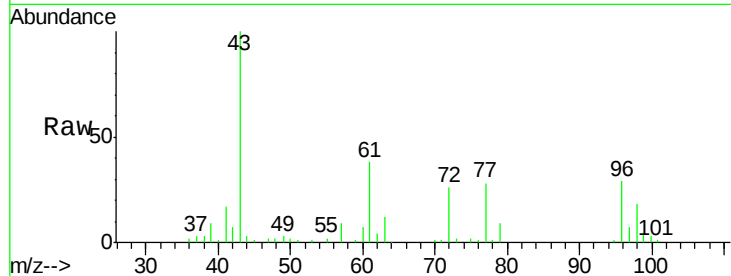
Instrument :
MSVOA_N
ClientSampled :
VN0824MBS01

Tot Ion: 43 Resp: 104152
Ion Ratio Lower Upper
43 100
72 26.0 21.8 32.6

Manual Integrations
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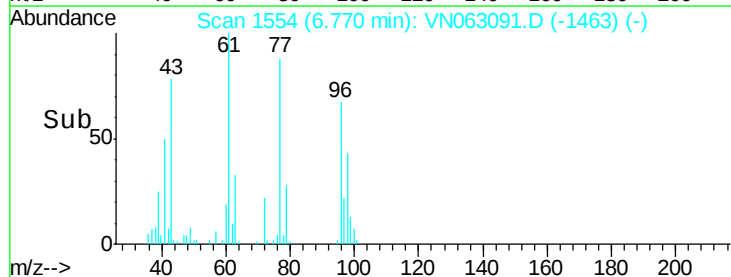
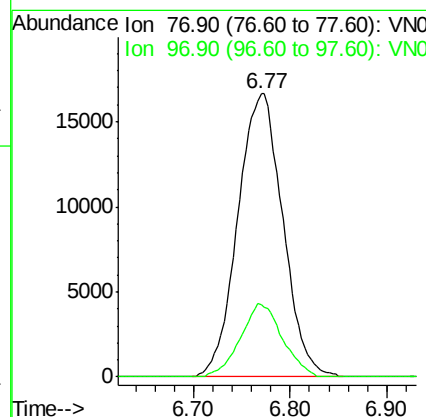
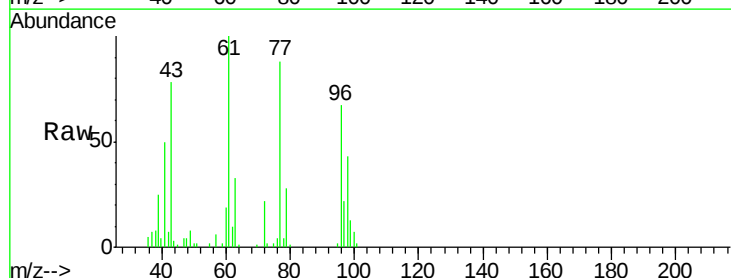
MMDadoda

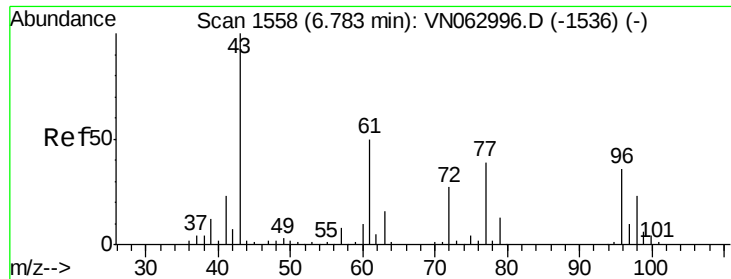
8/25/2020 12:14:37 PM



#26
2,2-Dichloropropane
Concen: 20.297 ug/l
RT: 6.77 min Scan# 1554
Delta R.T. -0.01 min
Lab File: VN063091.D
Acq: 24 Aug 2020 13:27

Tgt Ion: 77 Resp: 53793
Ion Ratio Lower Upper
77 100
97 24.1 11.7 35.1





#27

cis-1,2-Dichloroethene

Concen: 19.960 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.01 min

Lab File: VN063091.D

Acq: 24 Aug 2020 13:27

Instrument :

MSVOA_N

ClientSampled :

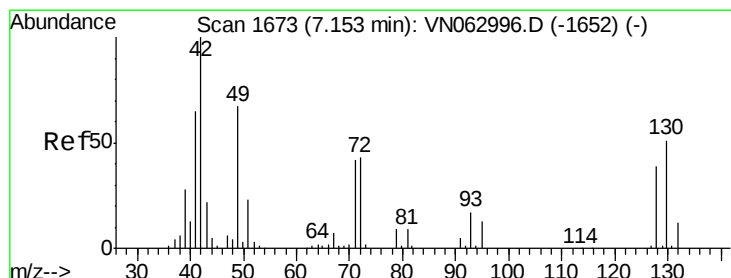
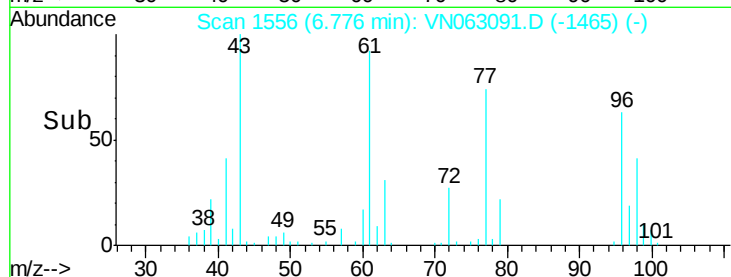
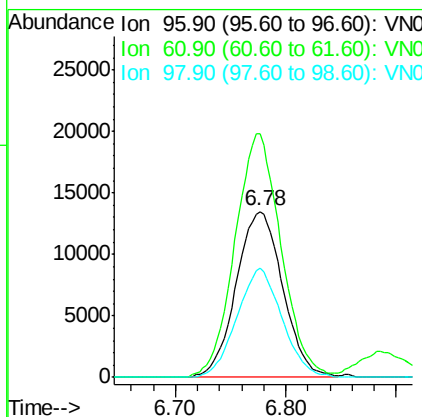
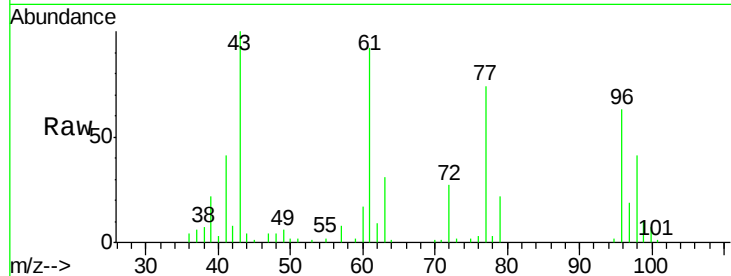
VN0824MBS01

Tot Ion:	96	Resp:	39463
Ion	Ratio	Lower	Upper
96	100		
61	145.0	0.0	292.8
98	63.7	0.0	130.6

Manual Integrations
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#28

Bromochloromethane

Concen: 18.845 ug/l

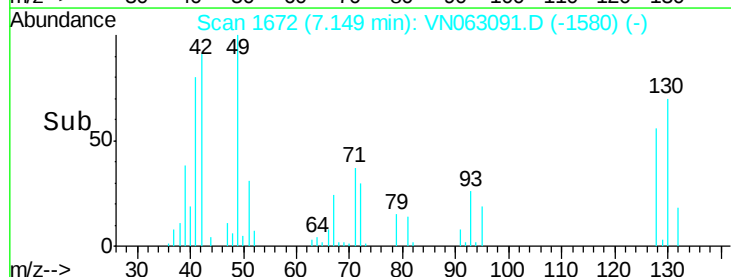
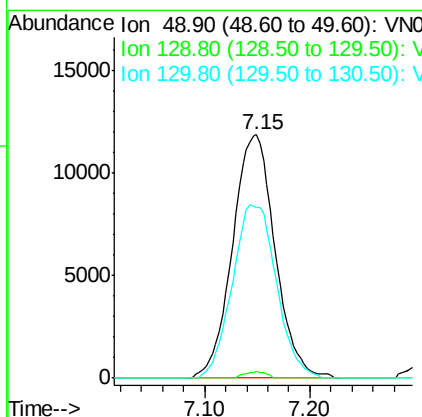
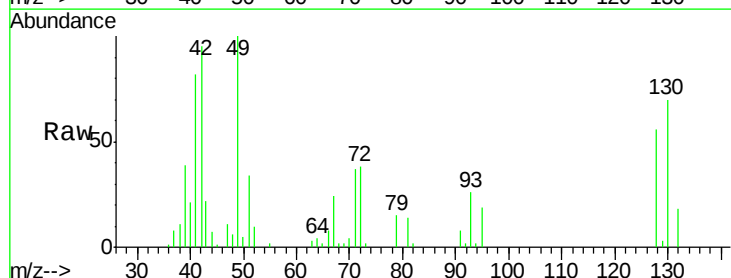
RT: 7.15 min Scan# 1672

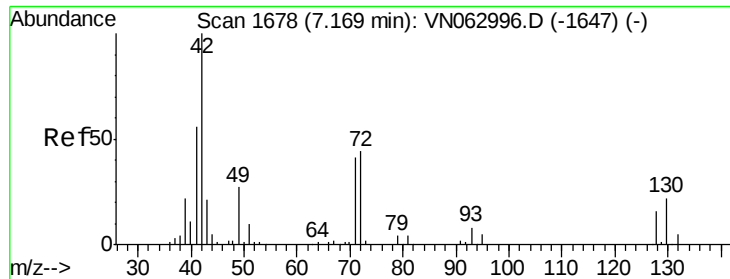
Delta R.T. -0.00 min

Lab File: VN063091.D

Acq: 24 Aug 2020 13:27

Tgt Ion:	49	Resp:	33229
Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	3.6
130	73.8	61.1	91.7





#29
Tetrahydrofuran
Concen: 97.228 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN063091.D
Acq: 24 Aug 2020 13:27

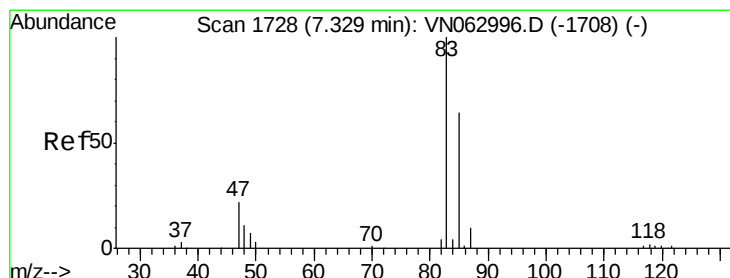
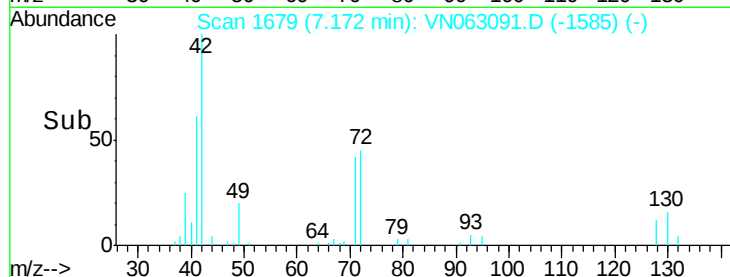
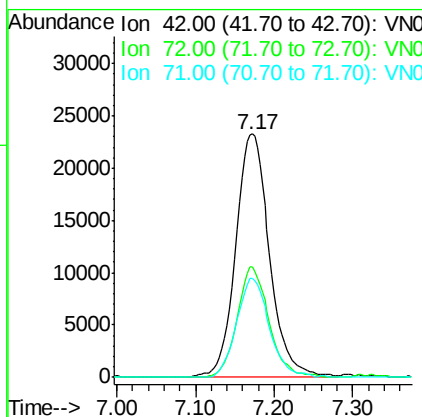
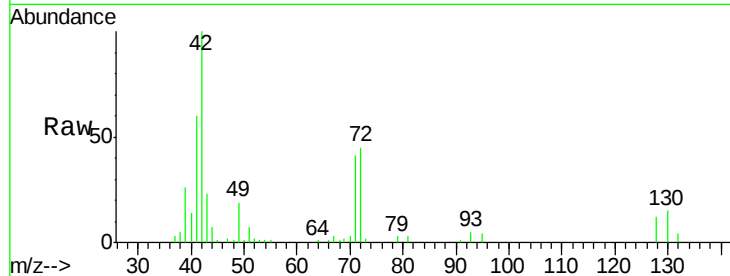
Instrument :
MSVOA_N
ClientSampled :
VN0824MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.7	34.6	52.0
71	39.3	32.3	48.5

Manual Integrations
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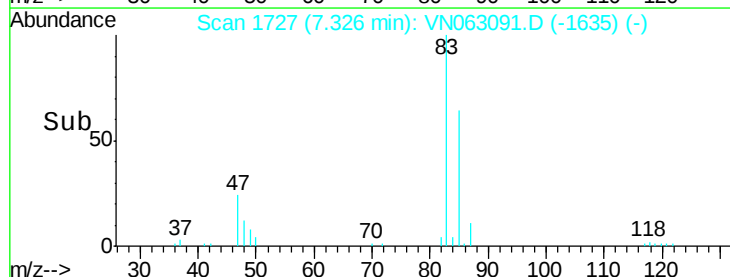
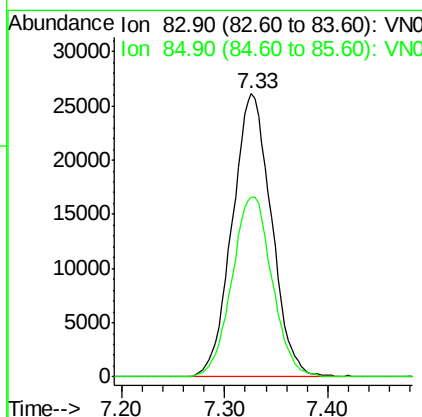
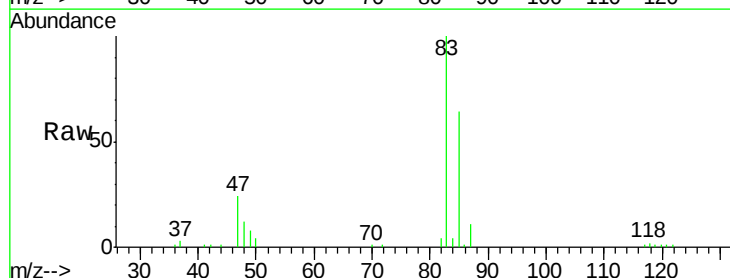
MMDadoda

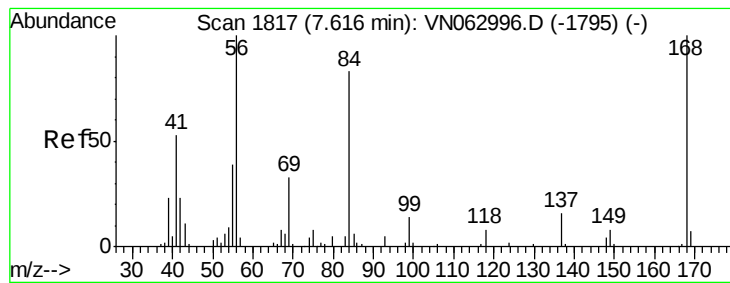
8/25/2020 12:14:37 PM



#30
Chloroform
Concen: 20.319 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN063091.D
Acq: 24 Aug 2020 13:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.5	77.3





#31

Cyclohexane

Concen: 19.410 ug/l

RT: 7.61 min Scan# 1815

Delta R.T. -0.01 min

Lab File: VN063091.D

Acq: 24 Aug 2020 13:27

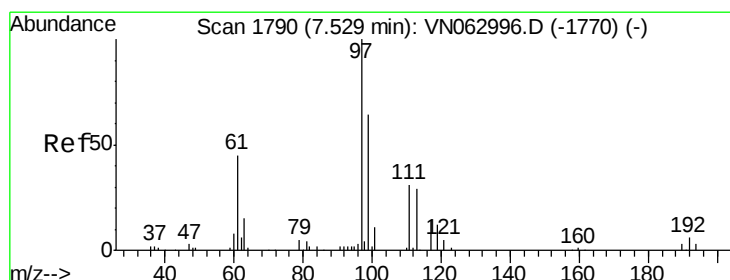
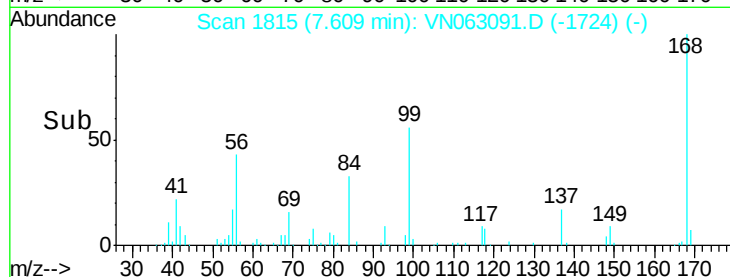
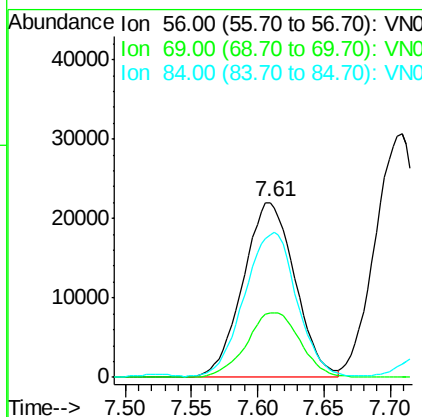
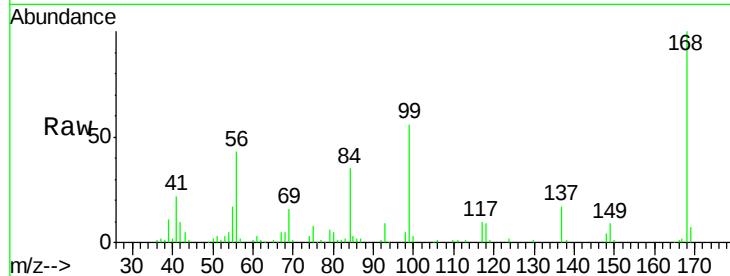
Tot Ion:	56	Resp:	60206
Ion Ratio	Lower	Upper	
56	100		
69	36.9	26.6	40.0
84	80.3	66.4	99.6

Instrument :
MSVOA_N
ClientSampled :
VN0824MBS01

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.441 ug/l

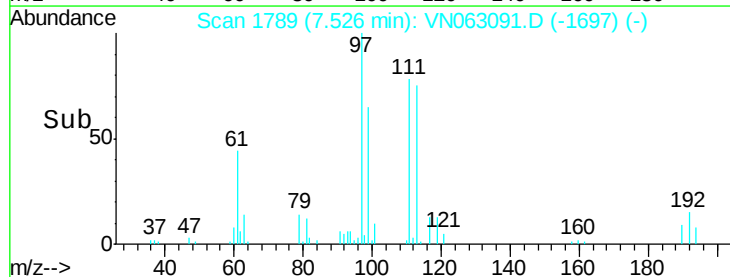
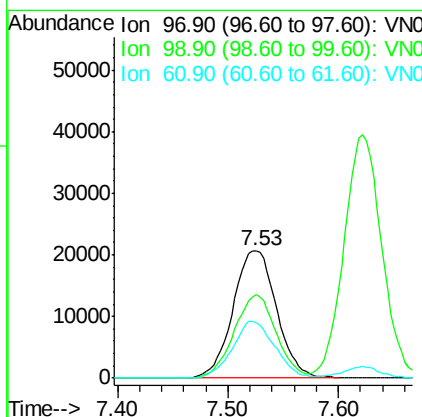
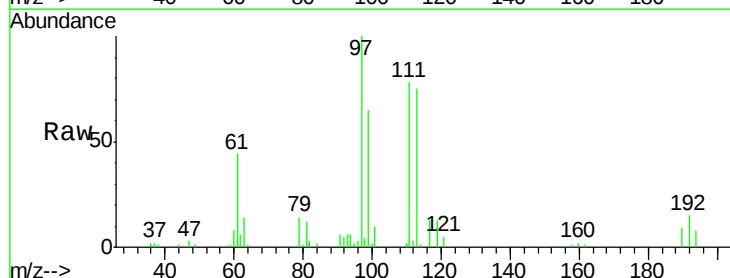
RT: 7.53 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VN063091.D

Acq: 24 Aug 2020 13:27

Tgt Ion:	97	Resp:	56639
Ion Ratio	Lower	Upper	
97	100		
99	63.3	52.0	78.0
61	43.5	36.2	54.4





#33
 1,2-Dichloroethane-d4
 Concen: 53.111 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN063091.D
 Acq: 24 Aug 2020 13:27

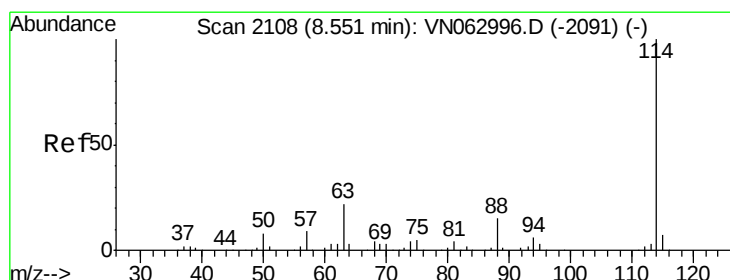
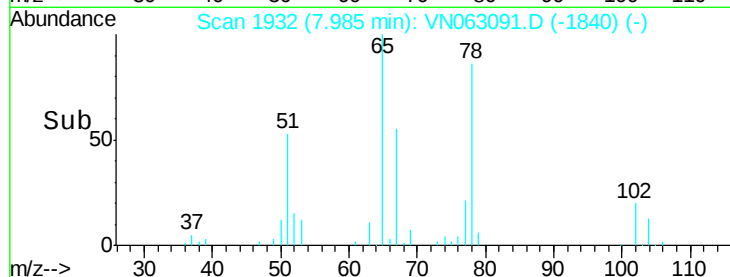
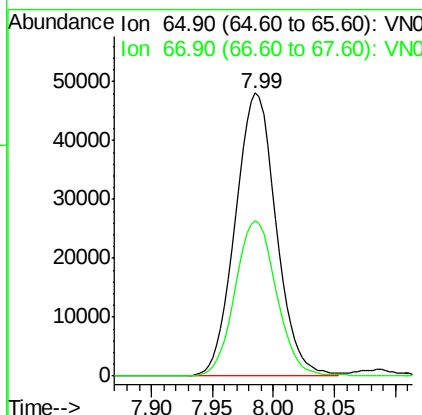
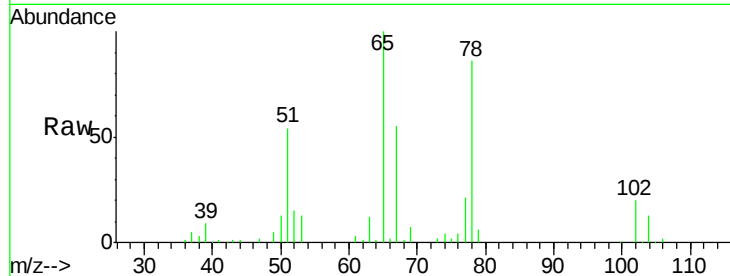
Instrument :
 MSVOA_N
 ClientSampled :
 VN0824MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.3	0.0	112.0	

Manual Integrations
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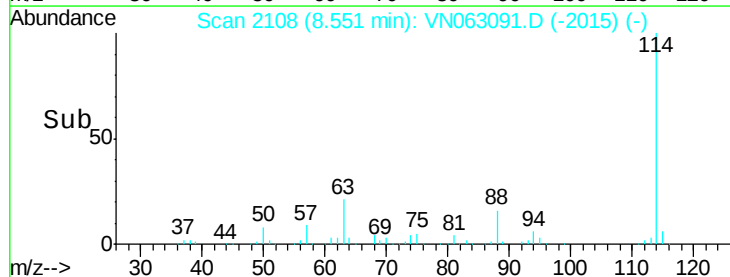
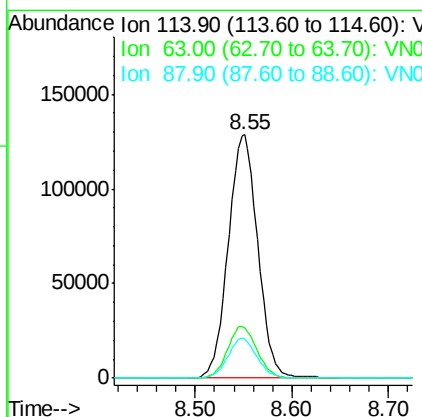
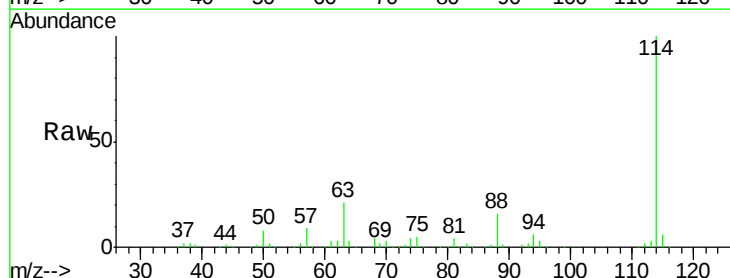
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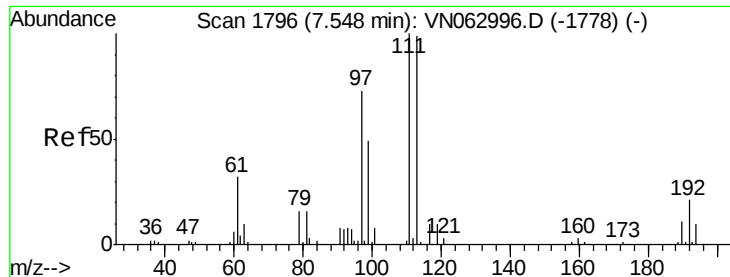
8/25/2020 12:14:37 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN063091.D
 Acq: 24 Aug 2020 13:27

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.8	0.0	43.2	
88	15.9	0.0	30.6	





#35
 Dibromofluoromethane
 Concen: 51.115 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN063091.D
 Acq: 24 Aug 2020 13:27

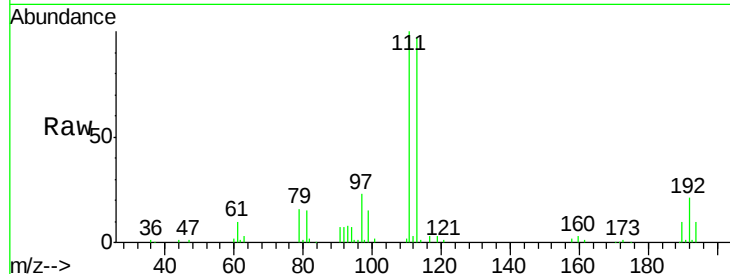
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824MBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.3	81.7	122.5
192	22.4	17.5	26.3

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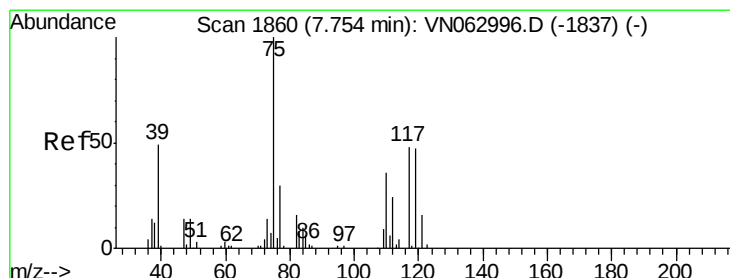
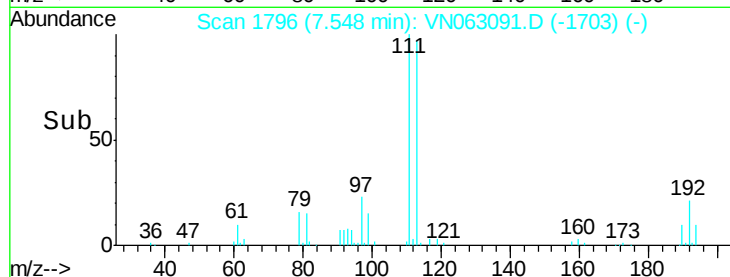
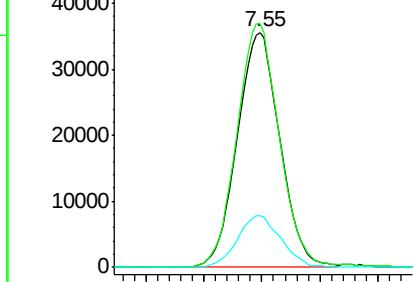


Abundance

Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 18.802 ug/l
 RT: 7.75 min Scan# 1858
 Delta R.T. -0.01 min
 Lab File: VN063091.D
 Acq: 24 Aug 2020 13:27

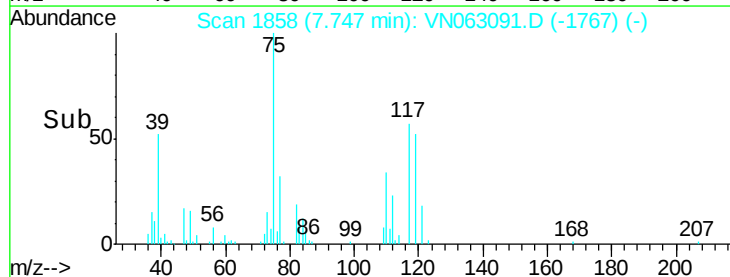
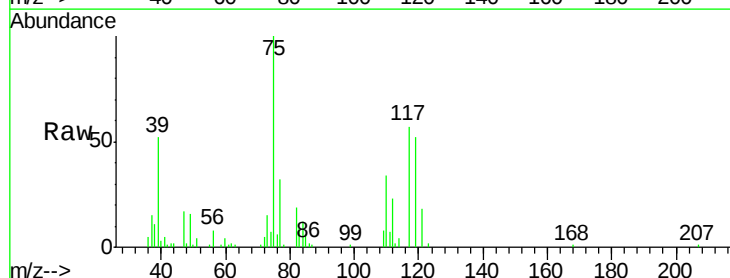
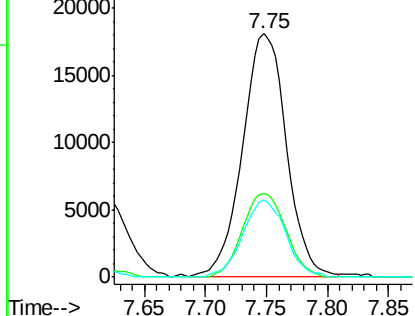
Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.0	17.5	52.6
77	30.8	24.2	36.4

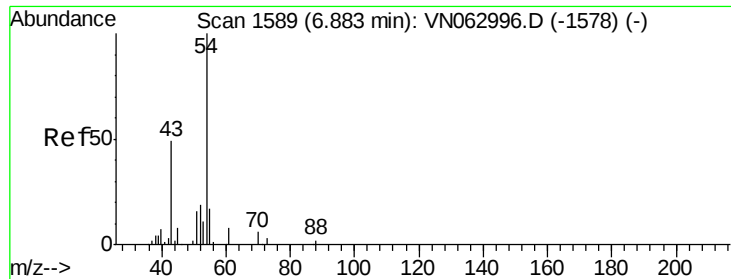
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#37
Ethyl Acetate
Concen: 19.584 ug/l
RT: 6.89 min Scan# 1590
Delta R.T. 0.00 min
Lab File: VN063091.D
Acq: 24 Aug 2020 13:27

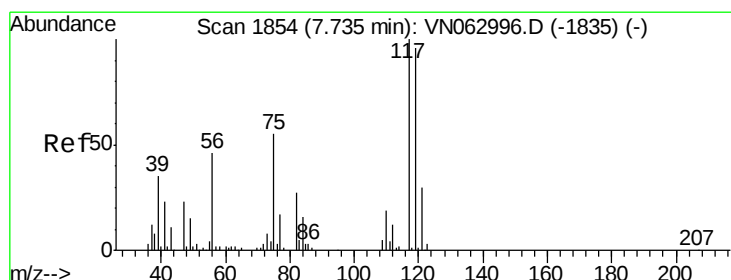
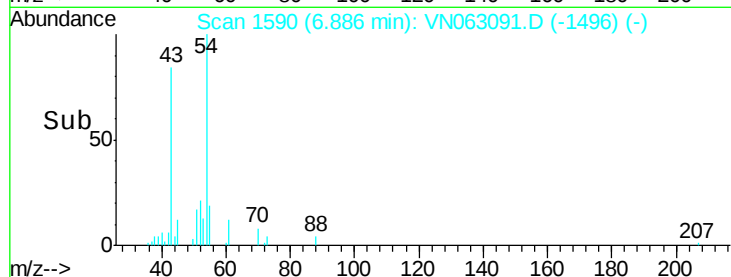
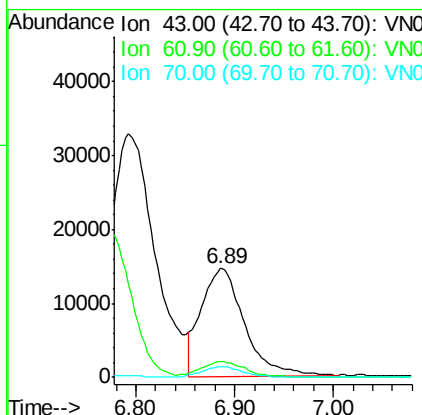
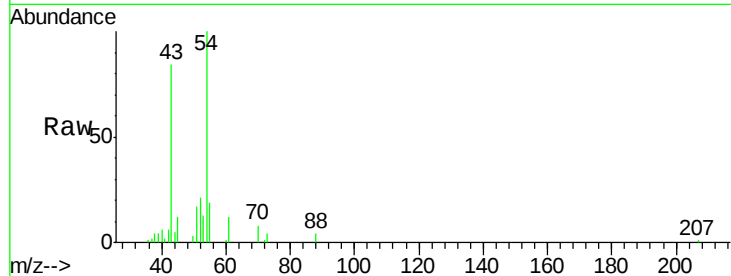
Instrument :
MSVOA_N
ClientSampled :
VN0824MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.9	11.8	17.8
70	9.4	8.2	12.2

Manual Integrations
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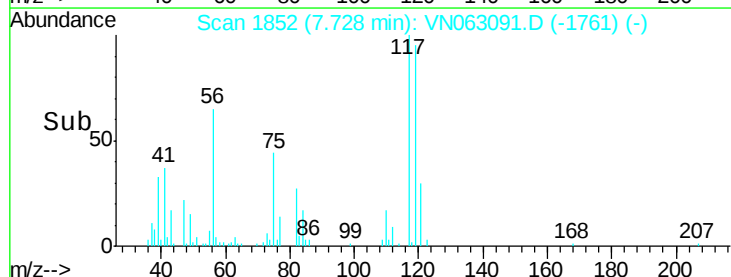
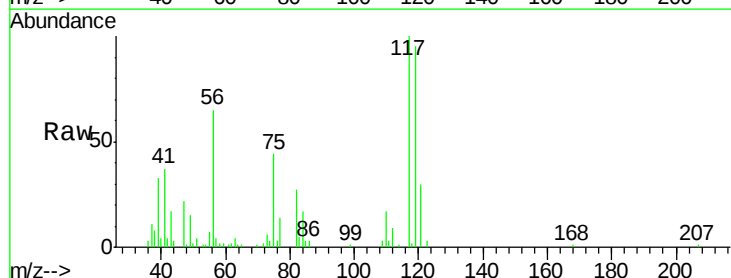
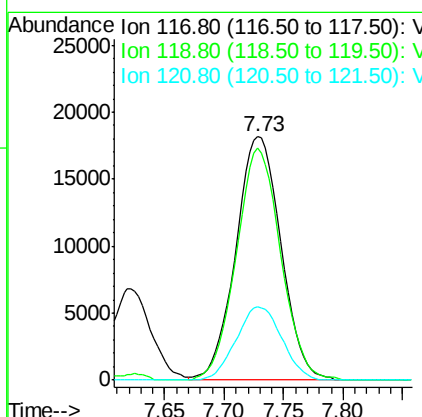
MMDadoda

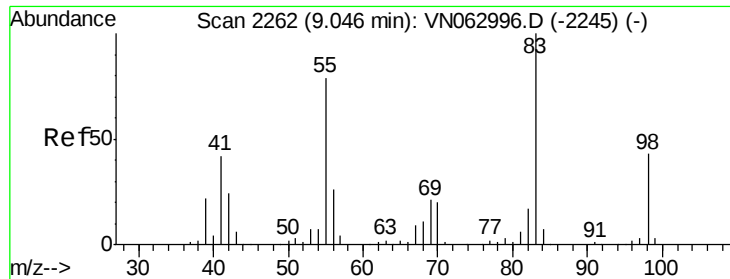
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#38
Carbon Tetrachloride
Concen: 19.705 ug/l
RT: 7.73 min Scan# 1852
Delta R.T. -0.01 min
Lab File: VN063091.D
Acq: 24 Aug 2020 13:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	76.2	114.4
121	30.0	24.2	36.2





#39
Methvlcvclohexane
Concen: 16.680 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN063091.D
Acq: 24 Aug 2020 13:27

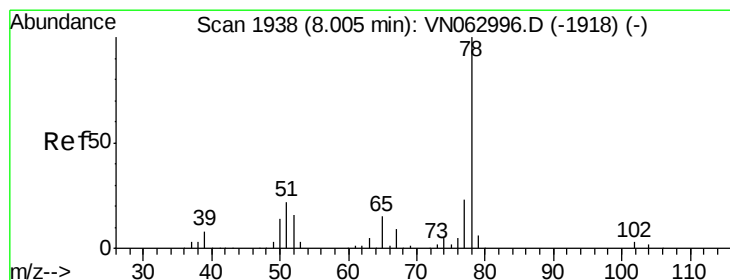
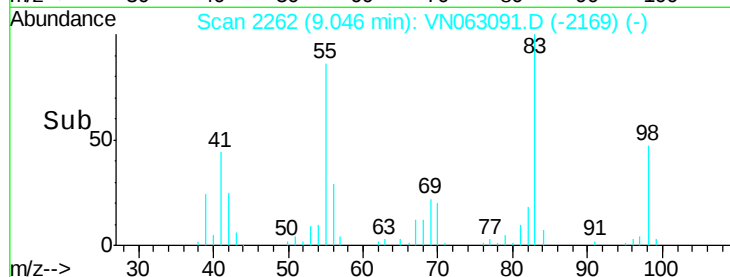
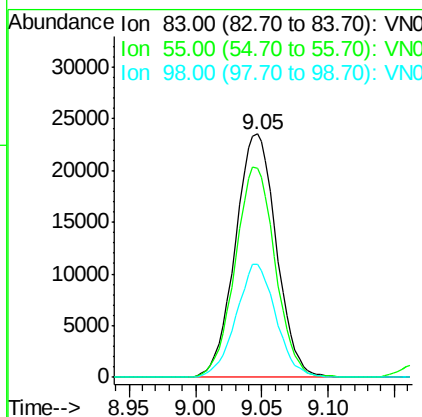
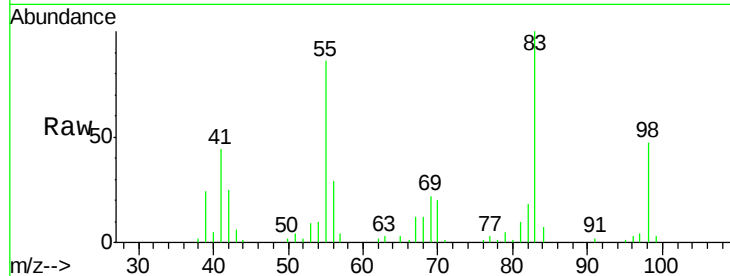
Instrument :
MSVOA_N
ClientSampleId :
VN0824MBS01

Tot Ion:	83	Resp:	50587
Ion Ratio	Lower	Upper	
83	100		
55	85.8	63.3	94.9
98	46.6	34.2	51.4

Manual Integrations
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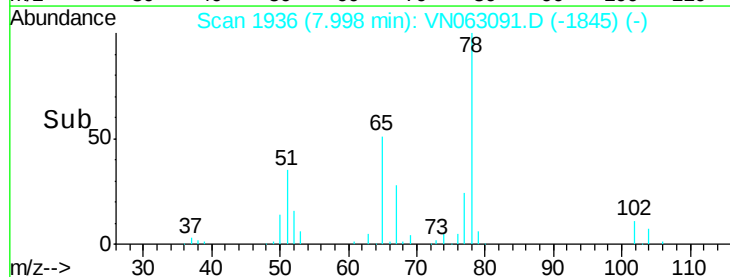
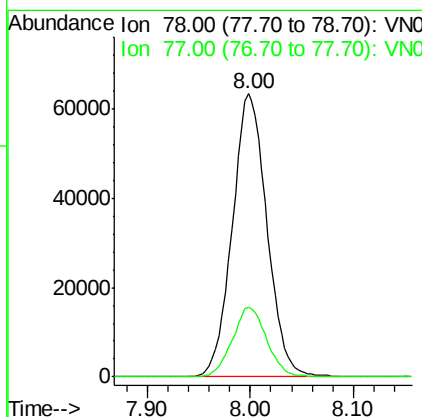
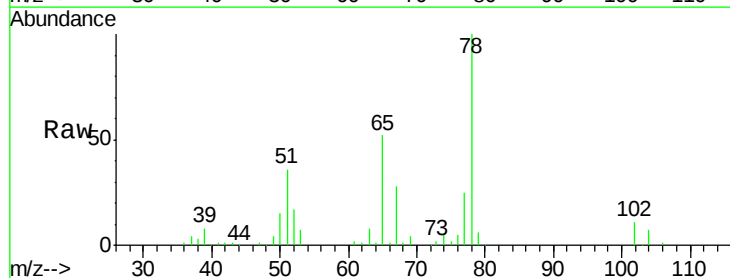
MMDadoda

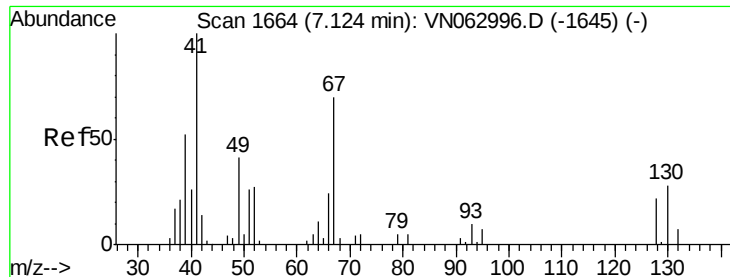
8/25/2020 12:14:37 PM



#40
Benzene
Concen: 19.453 ug/l
RT: 8.00 min Scan# 1936
Delta R.T. -0.01 min
Lab File: VN063091.D
Acq: 24 Aug 2020 13:27

Tgt Ion:	78	Resp:	148142
Ion Ratio	Lower	Upper	
78	100		
77	24.7	18.8	28.2





#41
Methacrylonitrile
Concen: 18.629 ug/l
RT: 7.13 min Scan# 1666
Delta R.T. 0.01 min
Lab File: VN063091.D
Acq: 24 Aug 2020 13:27

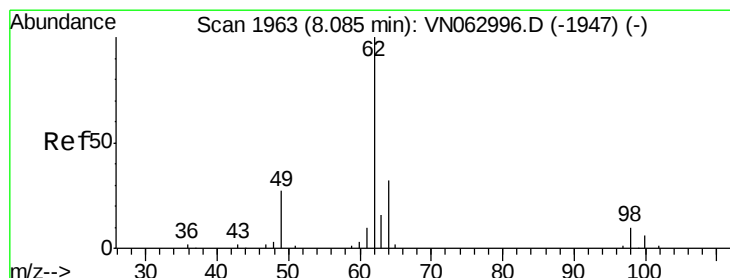
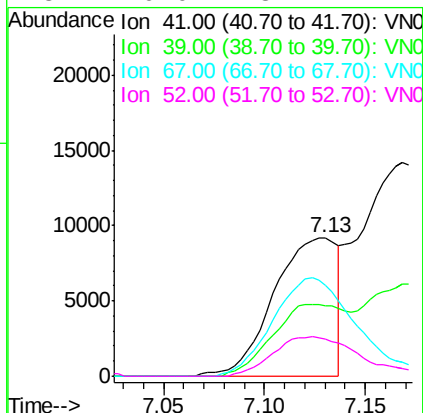
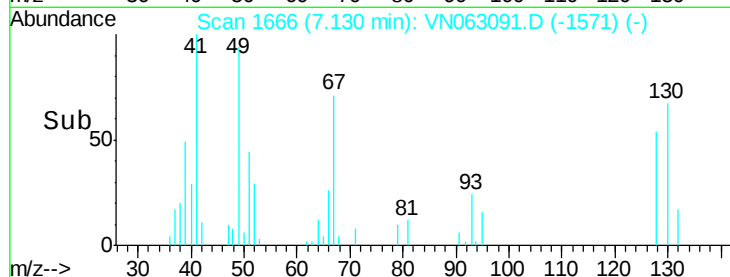
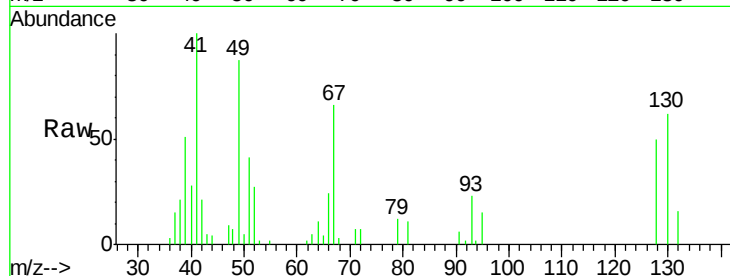
Instrument :
MSVOA_N
ClientSampled :
VN0824MBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	60.6	41.6	62.4	
67	95.0	71.8	107.8	
52	40.0	28.2	42.4	

Manual Integrations
APPROVED

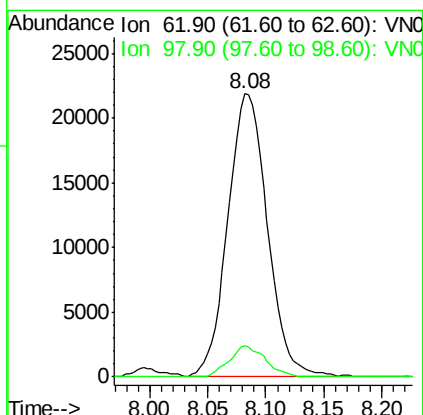
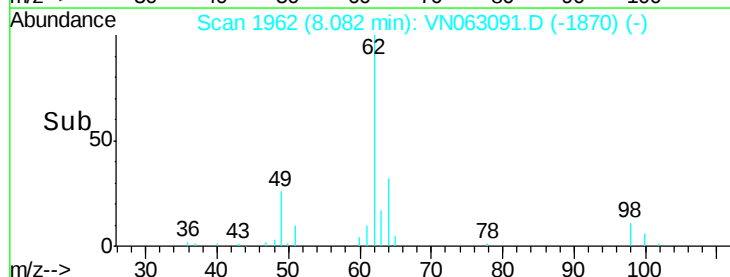
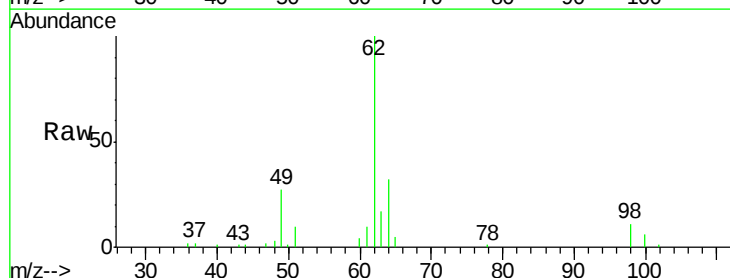
MMDadoda

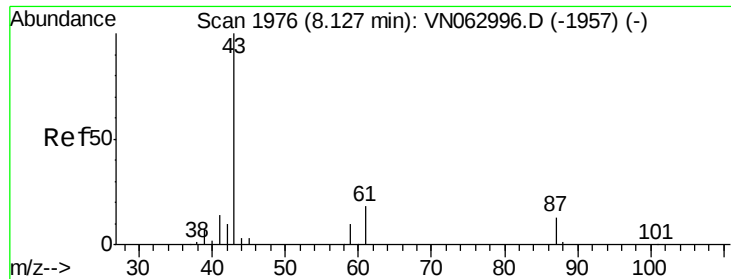
8/25/2020 12:14:37 PM



#42
1,2-Dichloroethane
Concen: 20.302 ug/l
RT: 8.08 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VN063091.D
Acq: 24 Aug 2020 13:27

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.9	0.0	18.4	





#43

Isopropyl Acetate
 Concen: 19.686 ug/l
 RT: 8.13 min Scan# 1977
 Delta R.T. 0.00 min
 Lab File: VN063091.D
 Acq: 24 Aug 2020 13:27

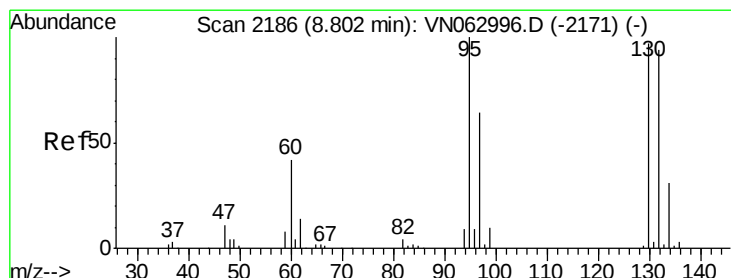
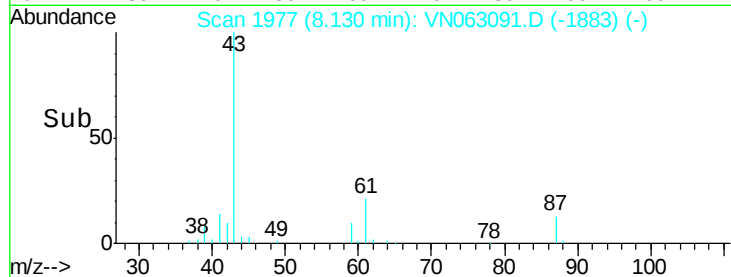
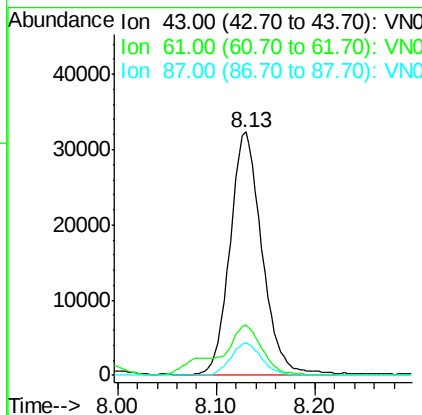
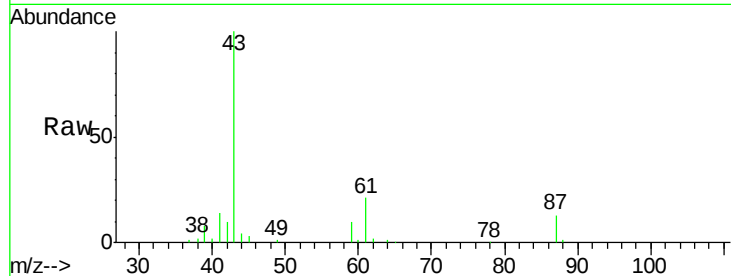
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.7	22.6	33.8
87	12.7	10.5	15.7

Manual Integrations
 APPROVED

MMDadoda

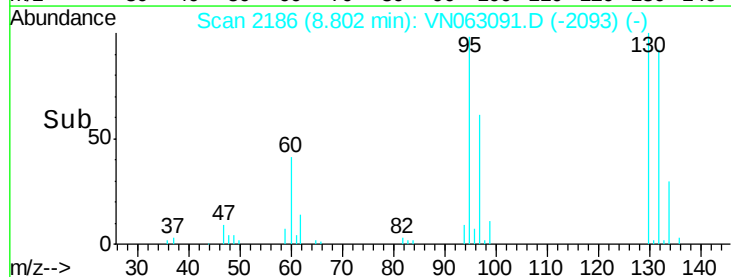
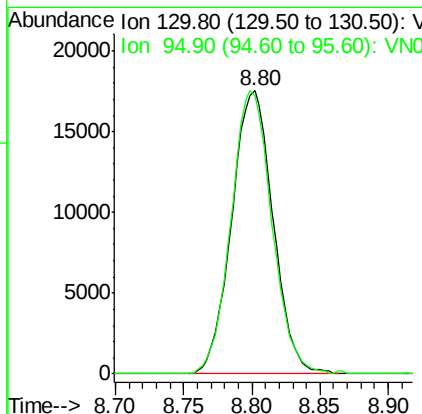
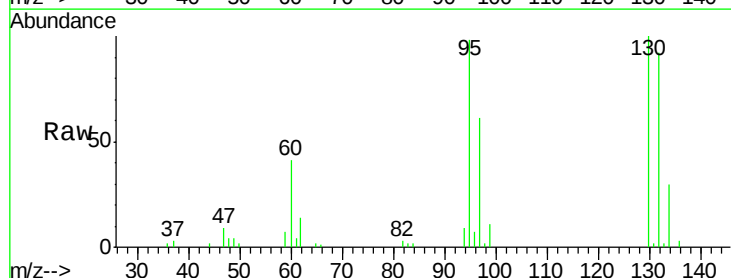
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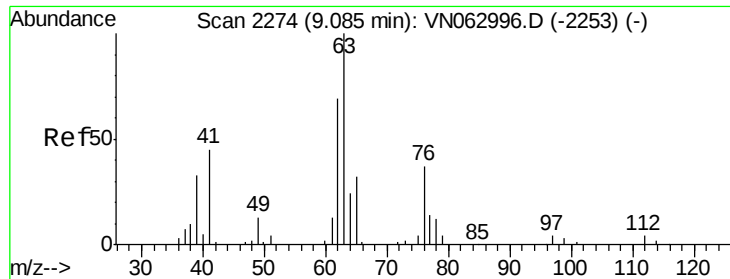


#44

Trichloroethene
 Concen: 19.518 ug/l
 RT: 8.80 min Scan# 2186
 Delta R.T. -0.00 min
 Lab File: VN063091.D
 Acq: 24 Aug 2020 13:27

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.4	0.0	205.6





#45
 1,2-Dichloropropane
 Concen: 19.815 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VN063091.D
 Acq: 24 Aug 2020 13:27

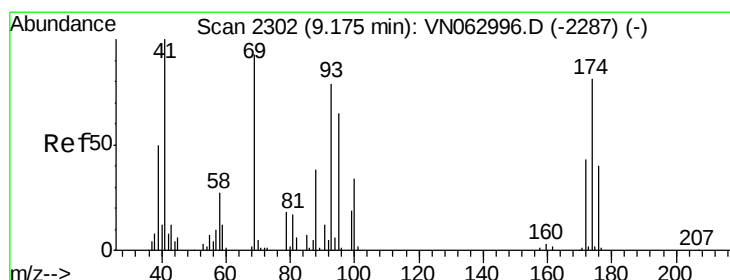
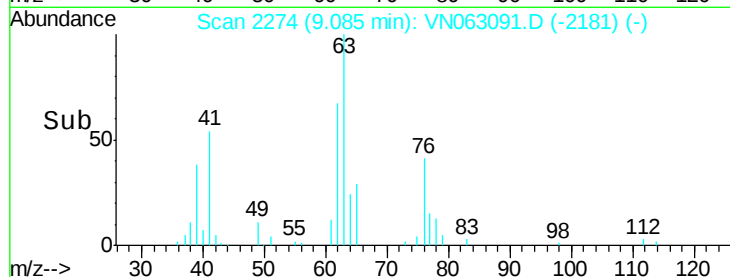
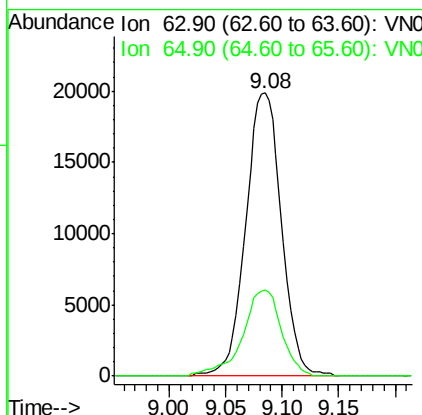
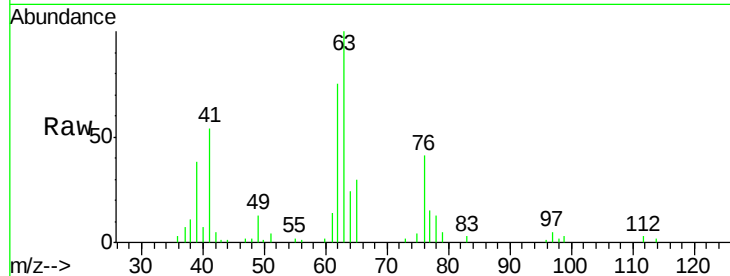
Instrument :
 MSVOA_N
 ClientSampled :
 VN0824MBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.3	25.6	38.4

Manual Integrations
 APPROVED

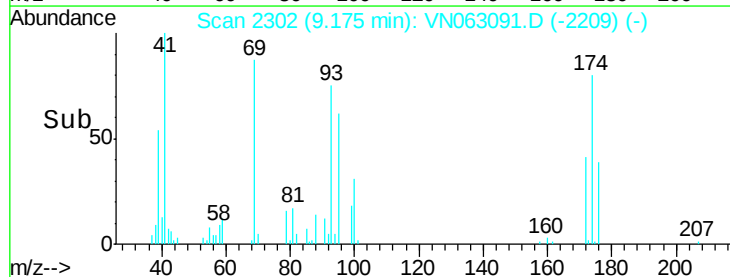
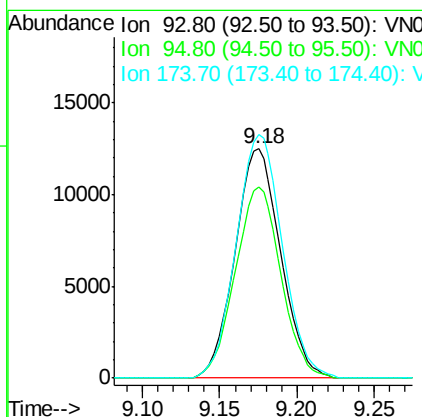
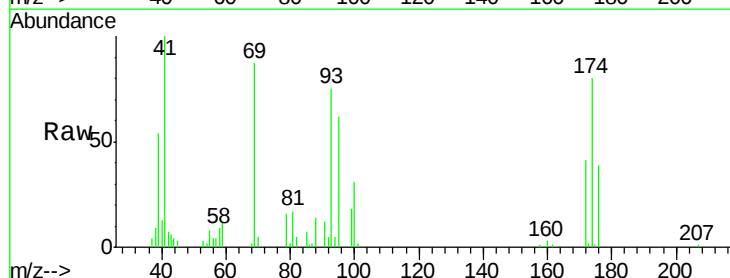
MMDadoda

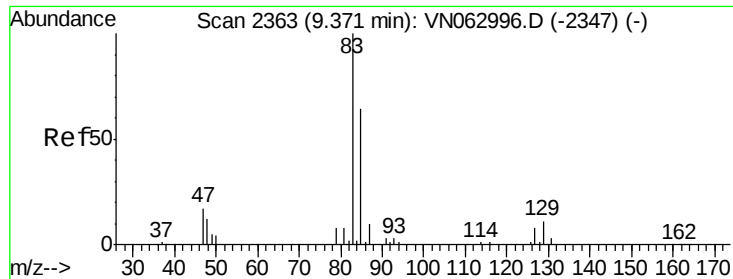
8/25/2020 12:14:37 PM



#46
 Dibromomethane
 Concen: 20.168 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN063091.D
 Acq: 24 Aug 2020 13:27

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.2	66.2	99.4
174	107.3	84.6	127.0





#47
Bromodichloromethane
Concen: 20.029 ug/l
RT: 9.37 min Scan# 2363
Delta R.T. -0.00 min
Lab File: VN063091.D
Acq: 24 Aug 2020 13:27

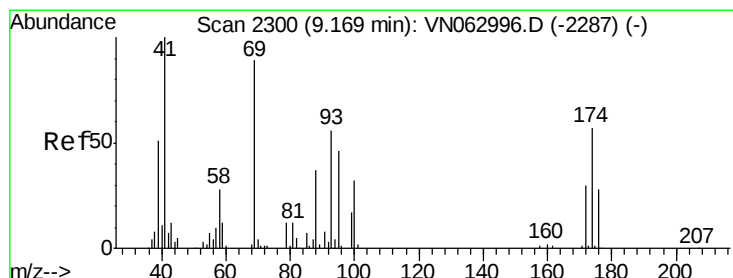
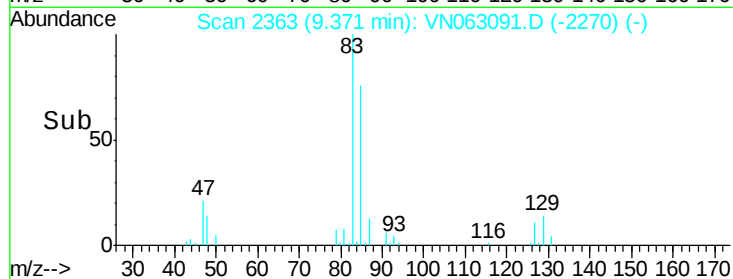
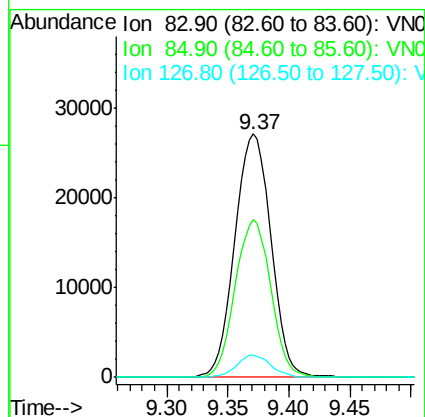
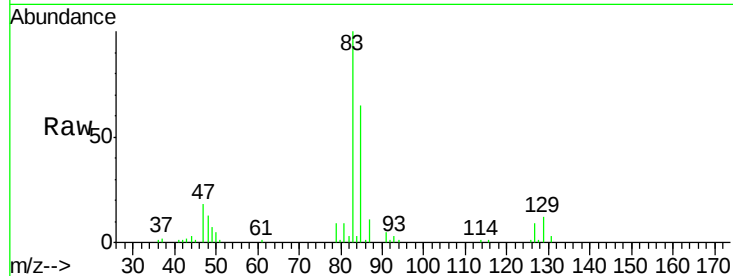
Instrument :
MSVOA_N
ClientSampleId :
VN0824MBS01

Tot Ion:	83	Resp:	55786
Ion Ratio	Lower	Upper	
83	100		
85	64.8	51.1	76.7
127	8.9	6.6	9.8

Manual Integrations
APPROVED

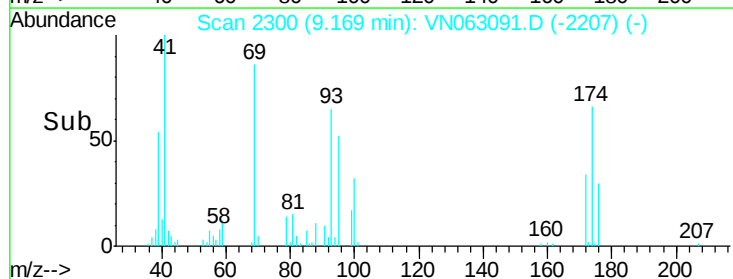
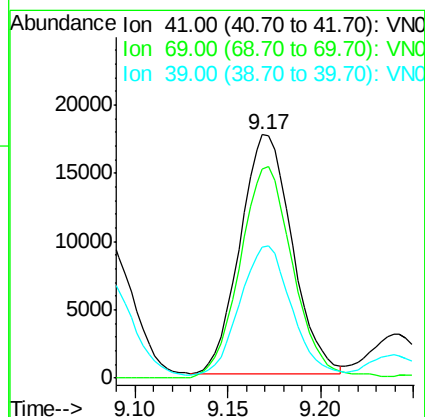
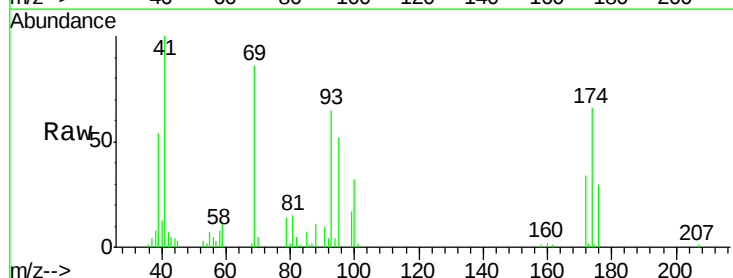
MMDadoda

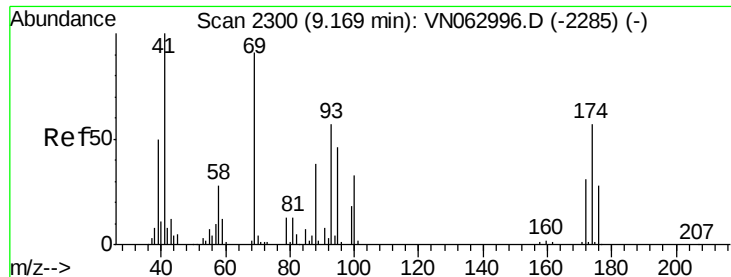
8/25/2020 12:14:37 PM



#48
Methyl methacrylate
Concen: 19.419 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. -0.00 min
Lab File: VN063091.D
Acq: 24 Aug 2020 13:27

Tgt Ion:	41	Resp:	34246
Ion Ratio	Lower	Upper	
41	100		
69	90.0	74.2	111.4
39	54.8	42.5	63.7





#49
1,4-Dioxane
Concen: 133.510 ug/l
RT: 9.18 min Scan# 2302
Delta R.T. 0.01 min
Lab File: VN063091.D
Acq: 24 Aug 2020 13:27

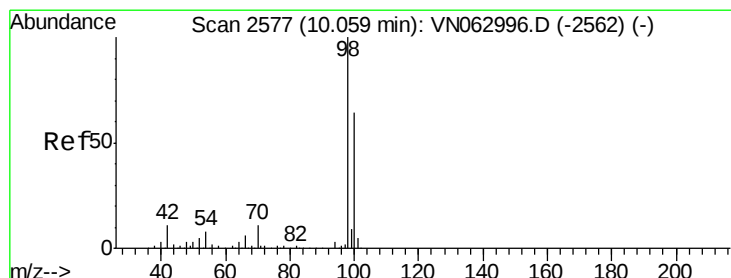
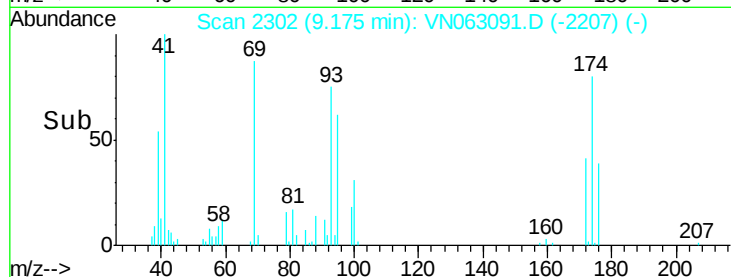
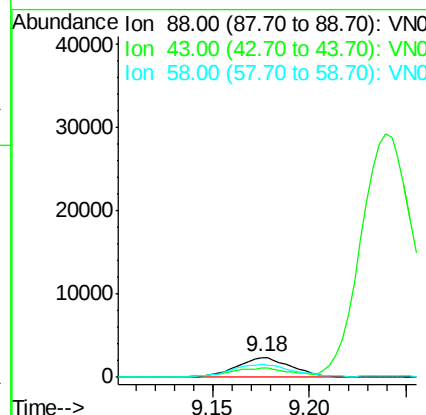
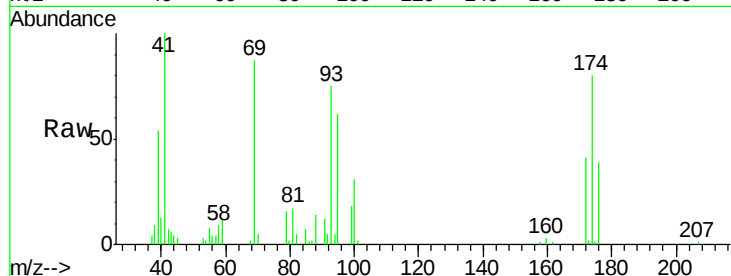
Instrument :
MSVOA_N
ClientSampleId :
VN0824MBS01

Tot Ion	88	Resp	4659
Ion Ratio	100	Lower	Upper
88	100		
43	53.3	25.2	37.8#
58	74.7	56.7	85.1

Manual Integrations
APPROVED

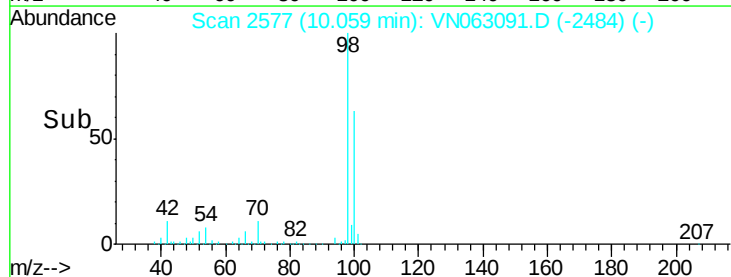
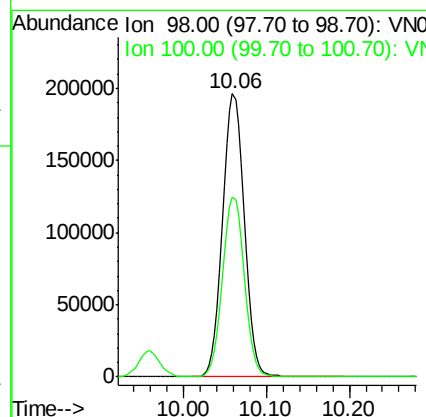
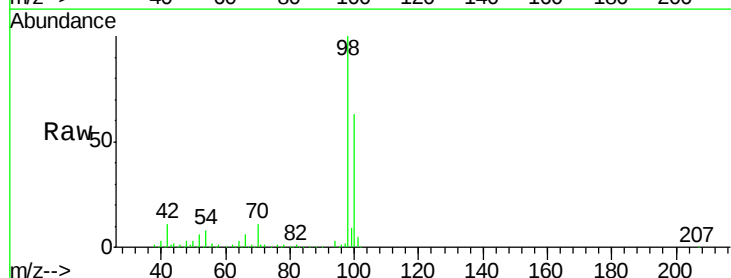
MMDadoda

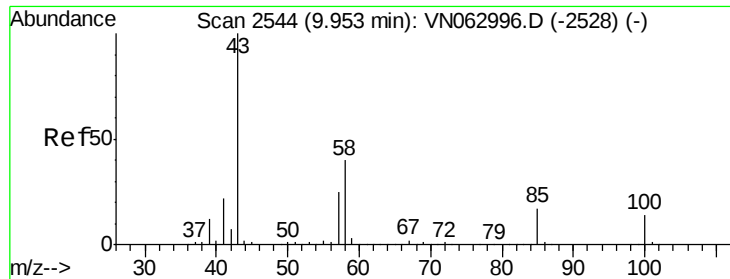
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#50
Toluene-d8
Concen: 52.365 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN063091.D
Acq: 24 Aug 2020 13:27

Tgt Ion	98	Resp	357084
Ion Ratio	100	Lower	Upper
98	100		
100	63.7	51.2	76.8





#51
4-Methyl-2-Pentanone
Concen: 101.554 ug/l
RT: 9.96 min Scan# 2545
Delta R.T. 0.00 min
Lab File: VN063091.D
Acq: 24 Aug 2020 13:27

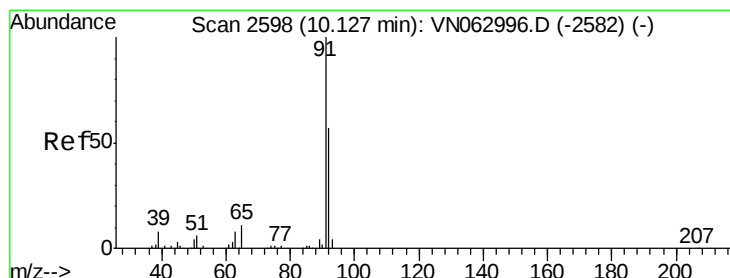
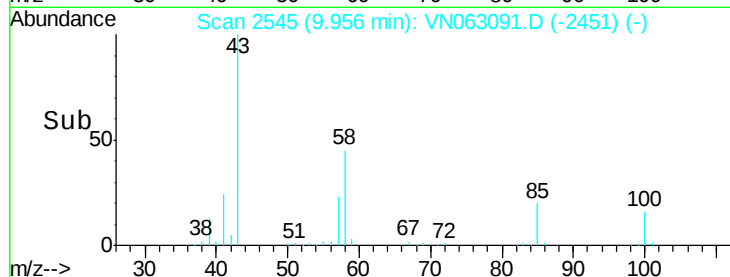
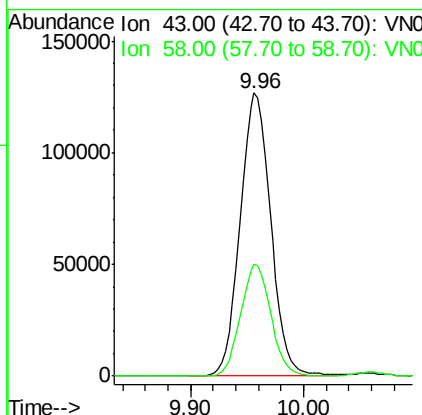
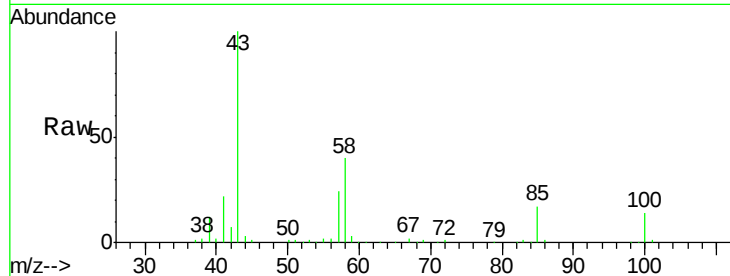
Instrument :
MSVOA_N
ClientSampled :
VN0824MBS01

Tot Ion	Ratio	Resp	Lower	Upper
43	100	239258		
58	39.1	32.2	48.2	

Manual Integrations
APPROVED

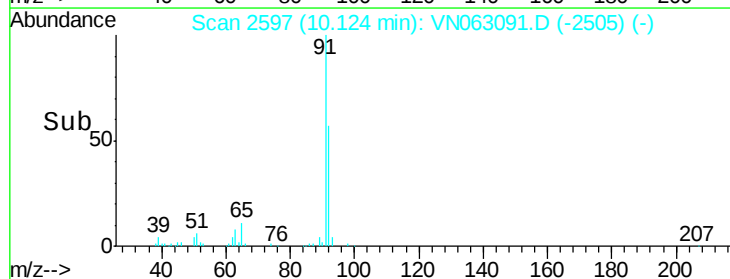
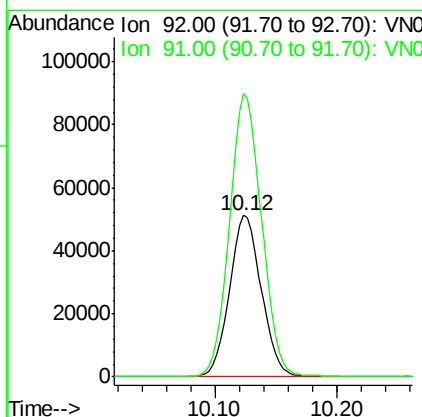
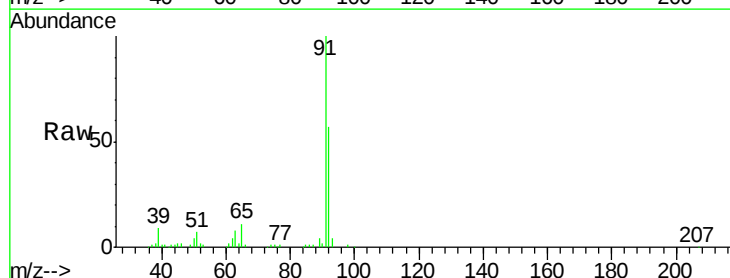
MMDadoda

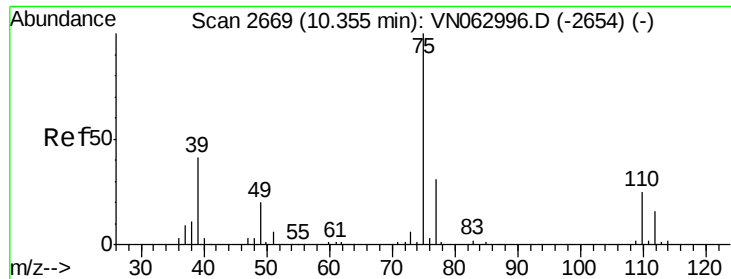
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#52
Toluene
Concen: 20.277 ug/l
RT: 10.12 min Scan# 2597
Delta R.T. -0.00 min
Lab File: VN063091.D
Acq: 24 Aug 2020 13:27

Tgt Ion	Ratio	Resp	Lower	Upper
92	100	93149		
91	177.0	139.2	208.8	





#53
t-1,3-Dichloropropene
Concen: 20.116 ug/l
RT: 10.36 min Scan# 2669
Delta R.T. -0.00 min
Lab File: VN063091.D
Acq: 24 Aug 2020 13:27

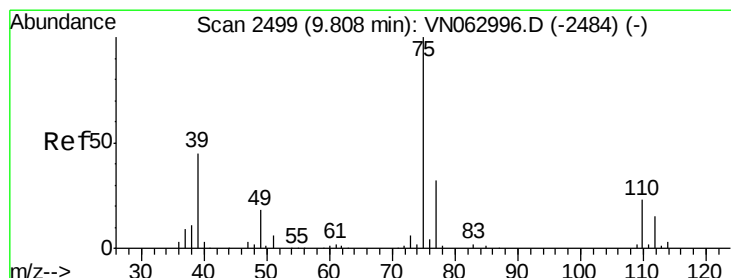
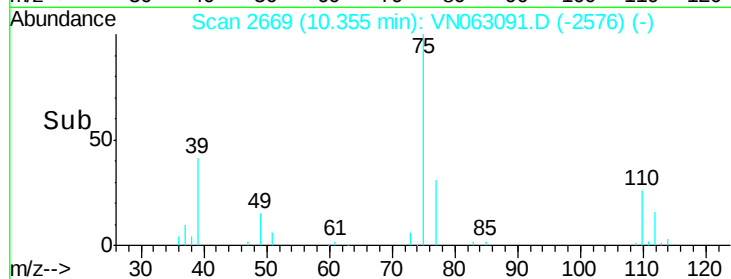
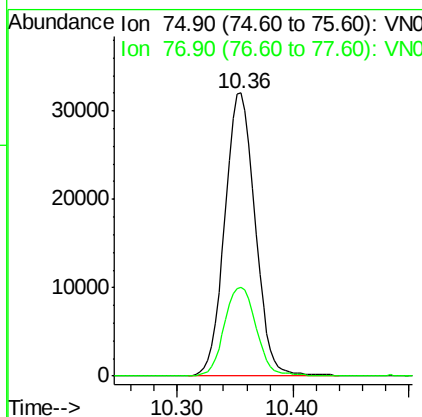
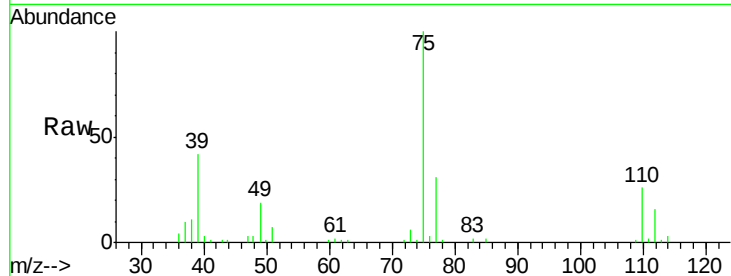
Instrument :
MSVOA_N
ClientSampleId :
VN0824MBS01

Tot Ion: 75 Resp: 57940
Ion Ratio Lower Upper
75 100
77 31.4 24.6 37.0

Manual Integrations
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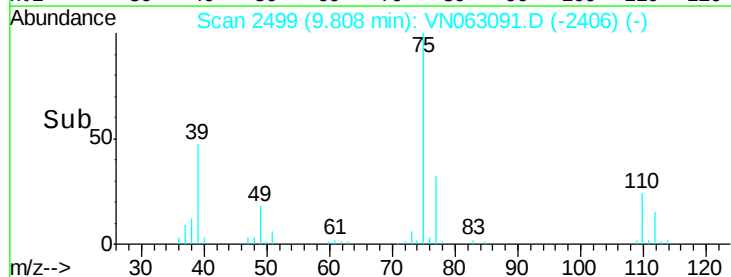
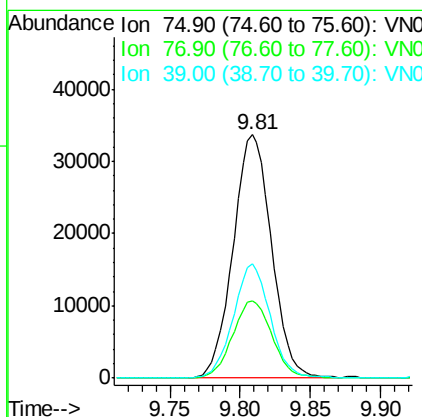
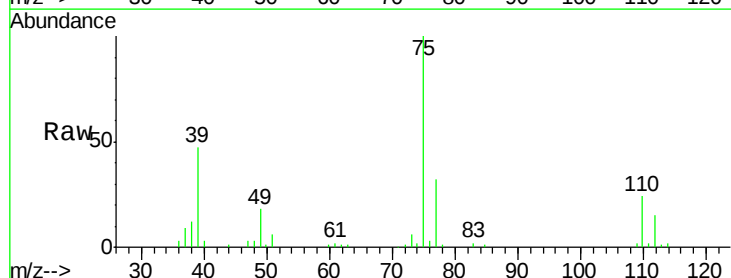
MMDadoda

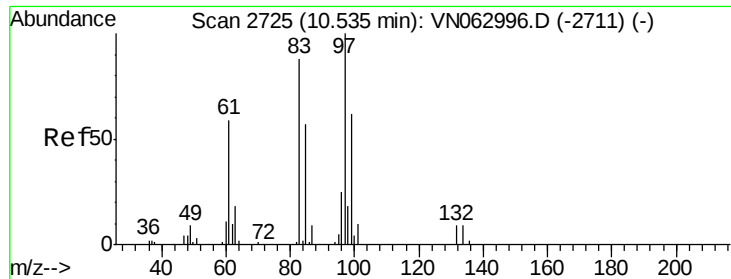
8/25/2020 12:14:37 PM



#54
cis-1,3-Dichloropropene
Concen: 20.320 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VN063091.D
Acq: 24 Aug 2020 13:27

Tgt Ion: 75 Resp: 64205
Ion Ratio Lower Upper
75 100
77 31.8 25.4 38.2
39 46.9 35.7 53.5





#55
 1,1,2-Trichloroethane
 Concen: 21.013 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. -0.00 min
 Lab File: VN063091.D
 Acq: 24 Aug 2020 13:27

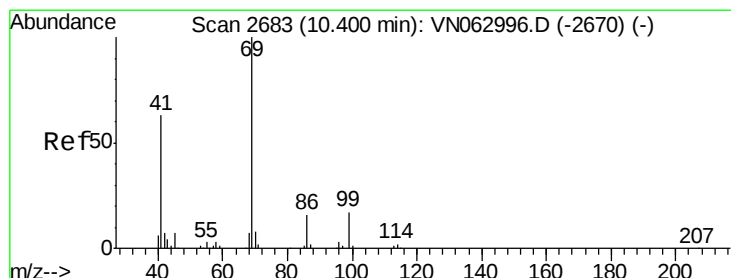
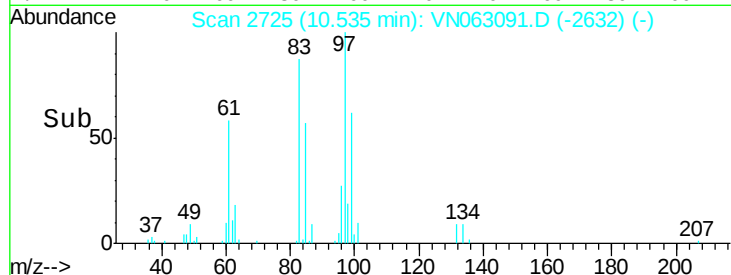
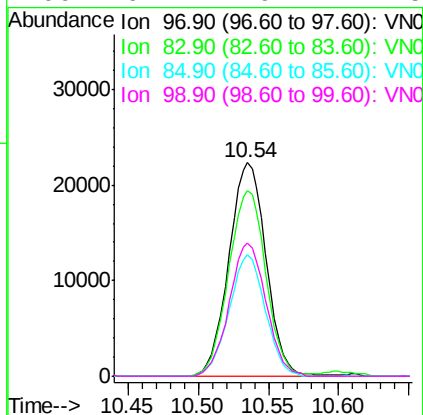
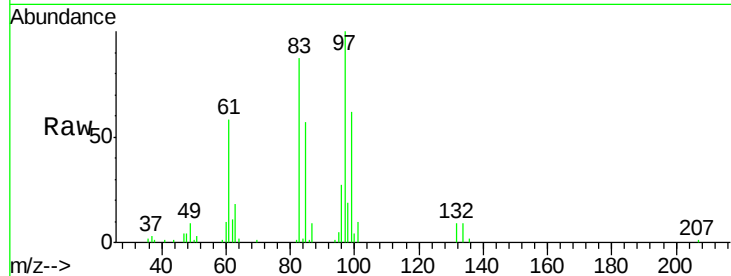
Instrument :
 MSVOA_N
 ClientSampled :
 VN0824MBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	87.2	70.5	105.7
85	56.9	45.8	68.6
99	62.4	49.7	74.5

Manual Integrations
 APPROVED

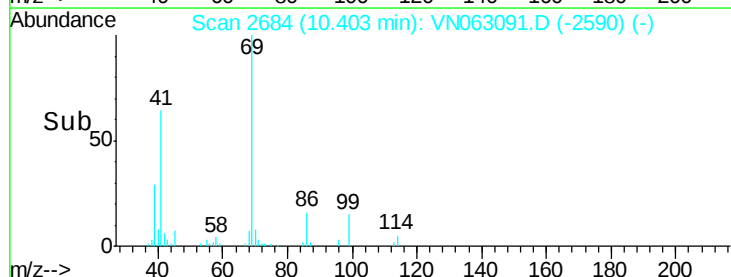
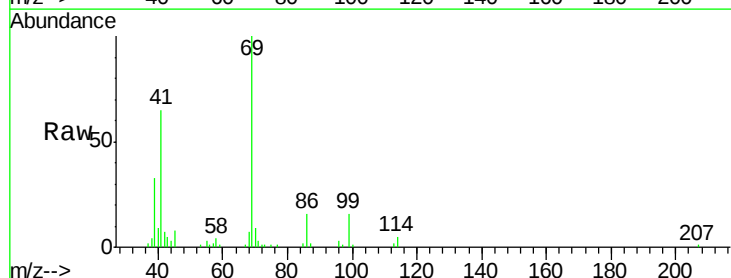
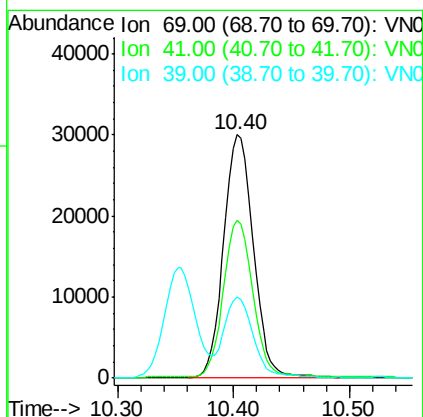
MMDadoda

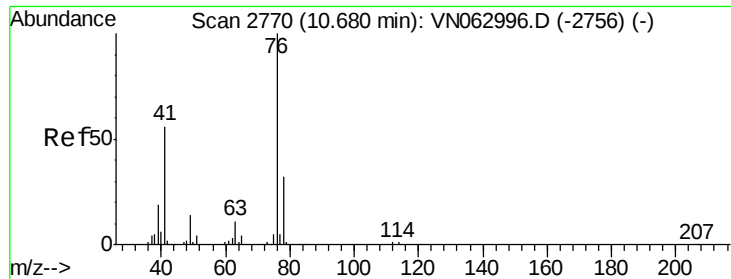
8/25/2020 12:14:37 PM



#56
 Ethyl methacrylate
 Concen: 18.798 ug/l
 RT: 10.40 min Scan# 2684
 Delta R.T. 0.00 min
 Lab File: VN063091.D
 Acq: 24 Aug 2020 13:27

Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.8	50.2	75.2
39	33.4	24.2	36.4





#57
 1,3-Dichloropropane
 Concen: 20.412 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: VN063091.D
 Acq: 24 Aug 2020 13:27

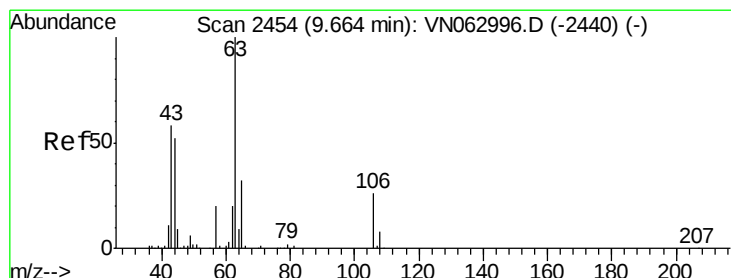
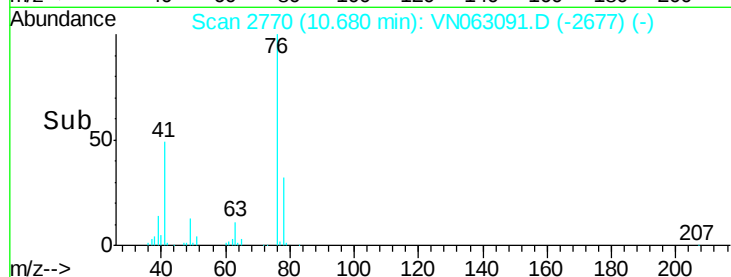
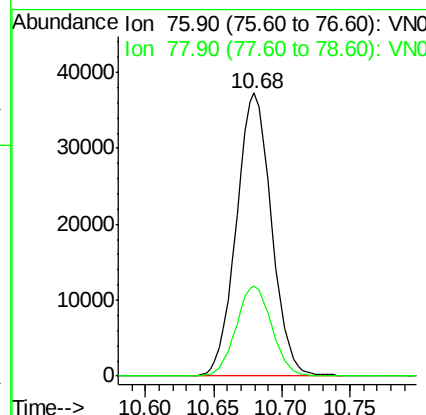
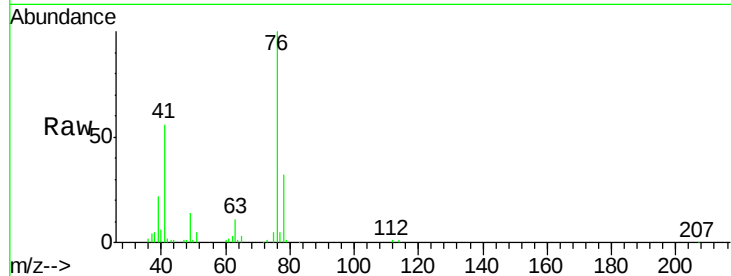
Instrument :
 MSVOA_N
 ClientSampled :
 VN0824MBS01

Tot Ion: 76 Resp: 66581
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.1 39.1

Manual Integrations
 APPROVED

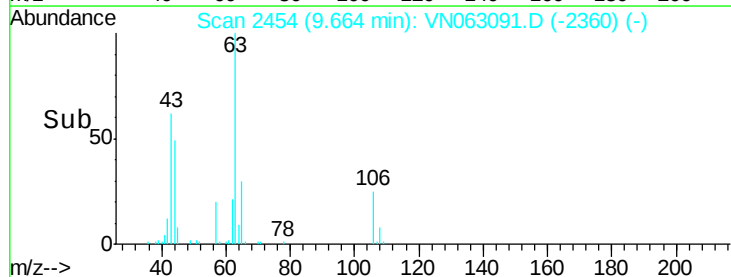
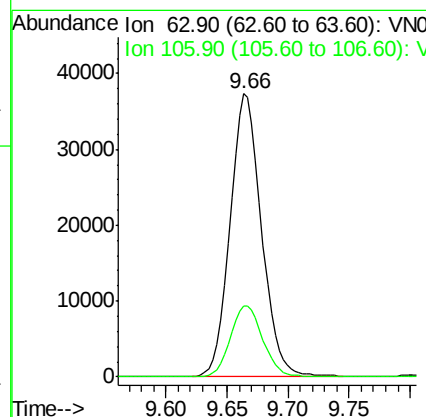
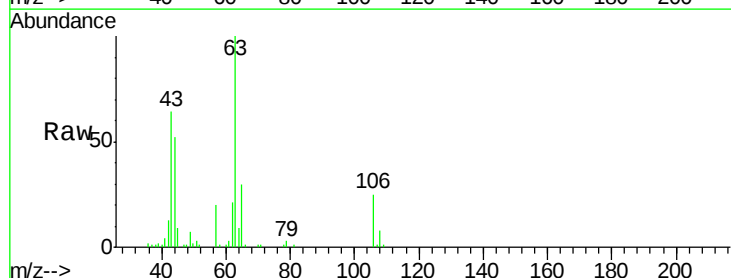
MMDadoda

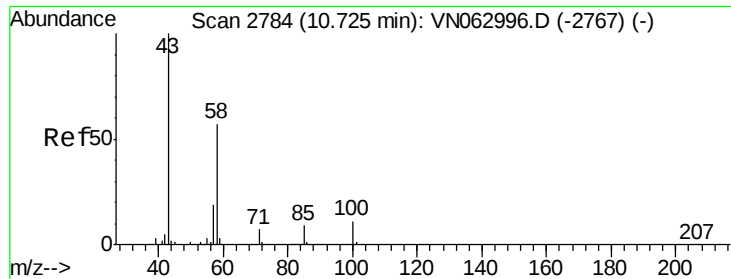
8/25/2020 12:14:37 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.734 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VN063091.D
 Acq: 24 Aug 2020 13:27

Tgt Ion: 63 Resp: 67099
 Ion Ratio Lower Upper
 63 100
 106 25.6 20.7 31.1





#59
2-Hexanone
Concen: 99.523 ug/l
RT: 10.73 min Scan# 2785
Delta R.T. 0.00 min
Lab File: VN063091.D
Acq: 24 Aug 2020 13:27

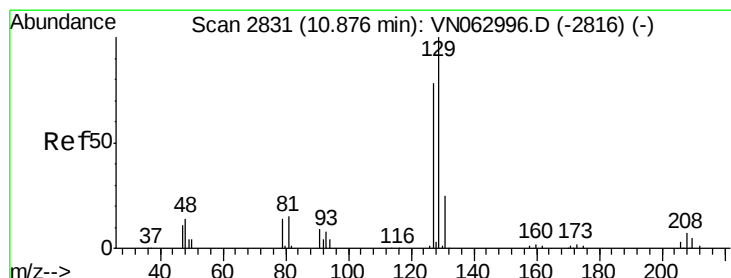
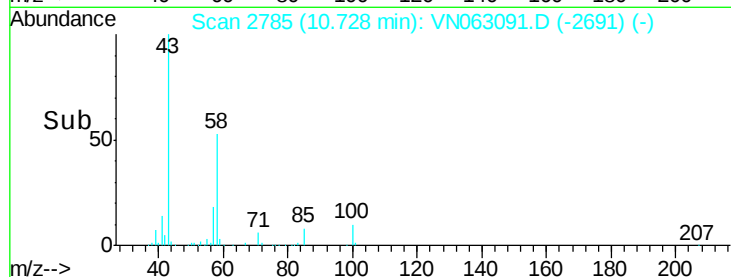
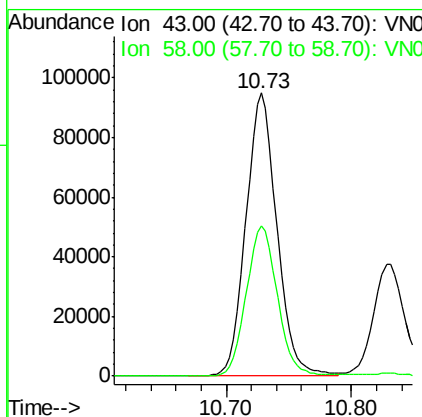
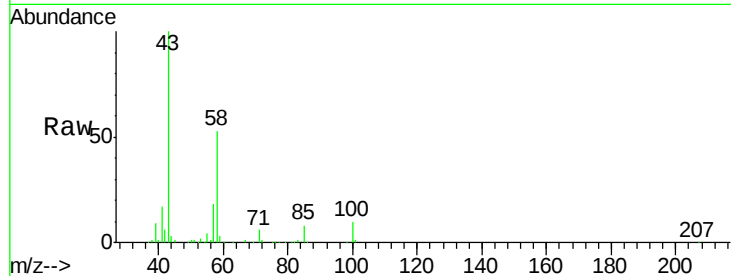
Instrument :
MSVOA_N
ClientSampled :
VN0824MBS01

Tot Ion: 43 Resp: 163551
Ion Ratio Lower Upper
43 100
58 53.4 28.1 84.3

Manual Integrations
APPROVED

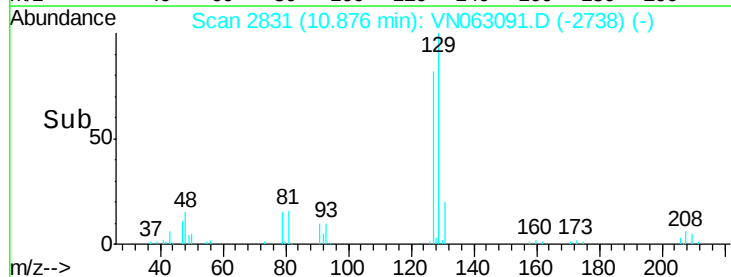
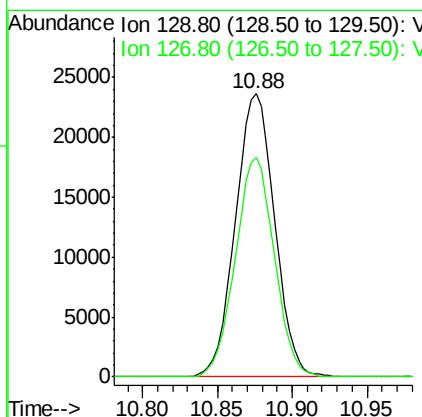
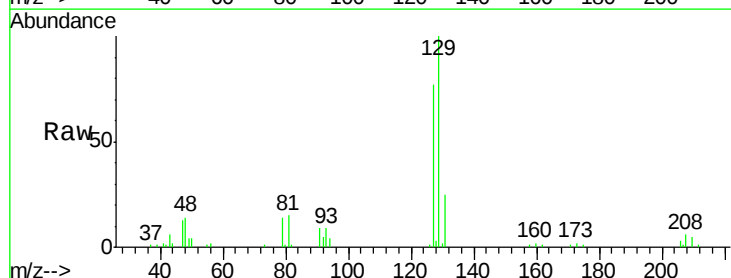
MMDadoda

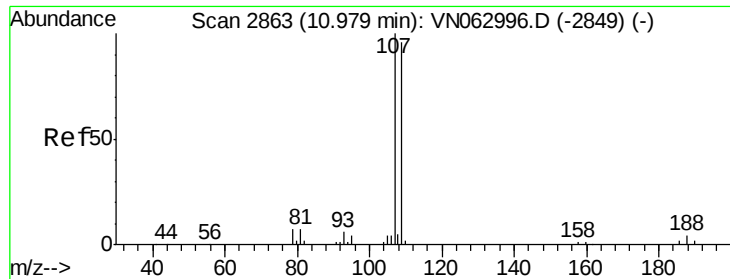
8/25/2020 12:14:37 PM



#60
Dibromochloromethane
Concen: 19.849 ug/l
RT: 10.88 min Scan# 2831
Delta R.T. 0.00 min
Lab File: VN063091.D
Acq: 24 Aug 2020 13:27

Tgt Ion: 129 Resp: 43148
Ion Ratio Lower Upper
129 100
127 76.9 38.4 115.2





#61
 1,2-Dibromoethane
 Concen: 20.761 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VN063091.D
 Acq: 24 Aug 2020 13:27

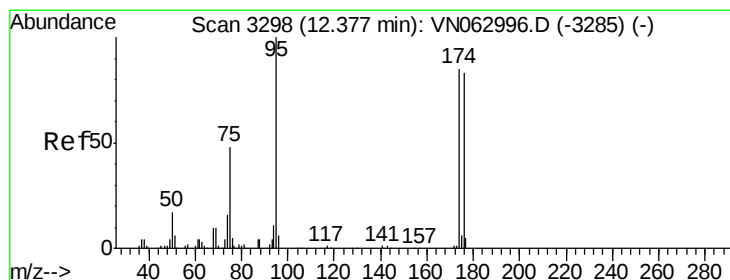
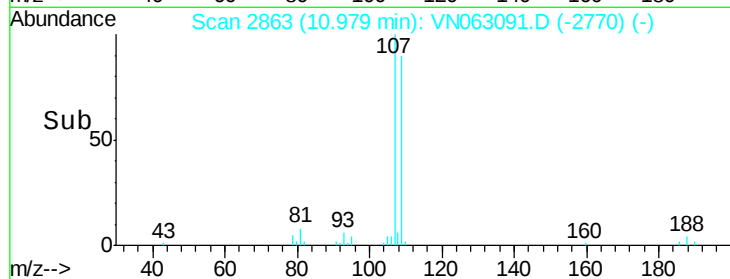
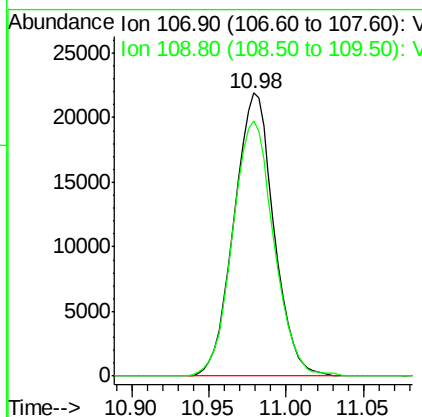
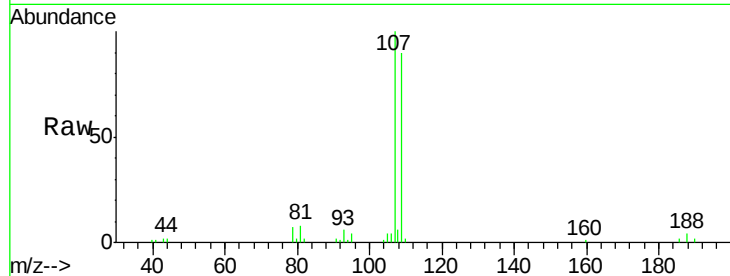
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824MBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.3	75.7	113.5

Manual Integrations
 APPROVED

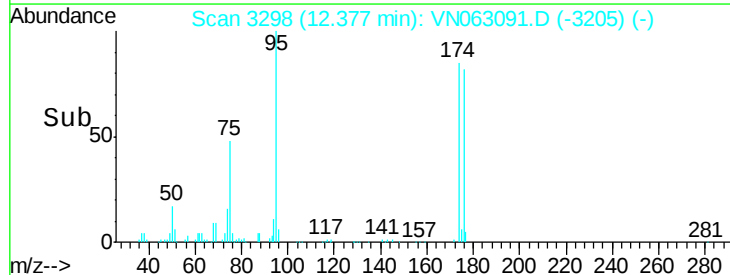
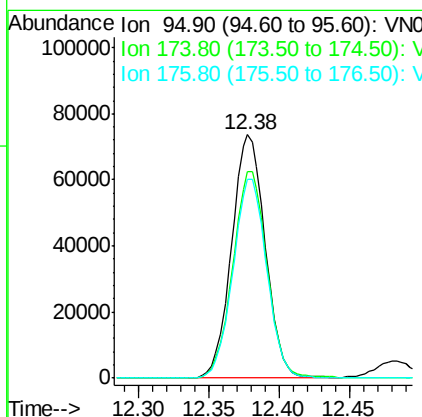
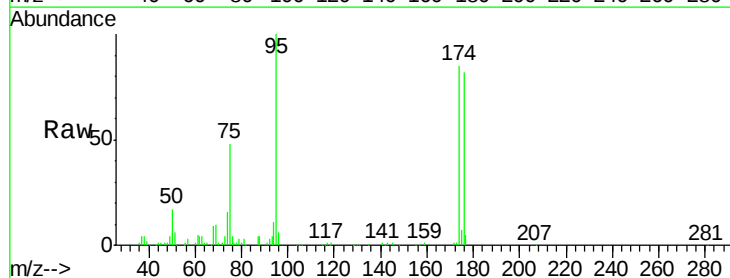
MMDadoda

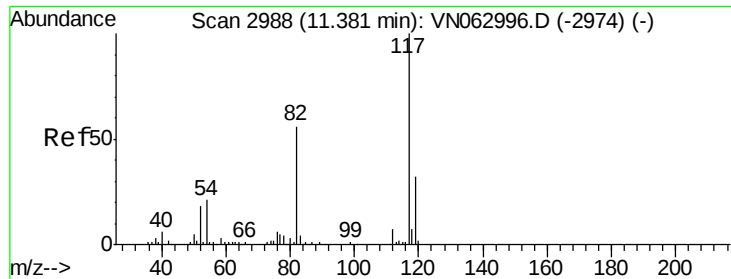
8/25/2020 12:14:37 PM



#62
 4-Bromofluorobenzene
 Concen: 51.068 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN063091.D
 Acq: 24 Aug 2020 13:27

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.4	0.0	170.8
176	82.4	0.0	164.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN063091.D
Acq: 24 Aug 2020 13:27

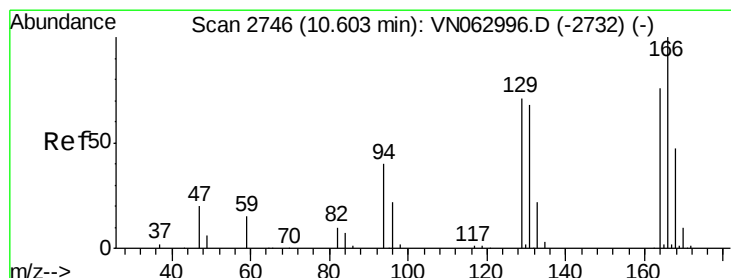
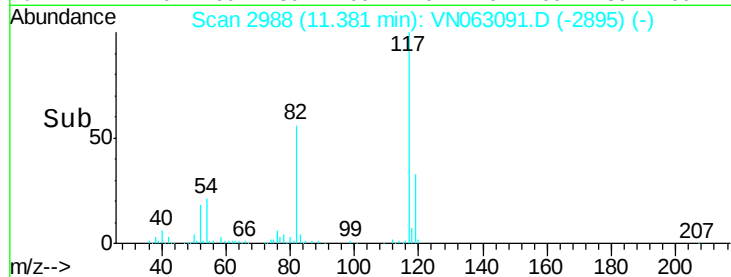
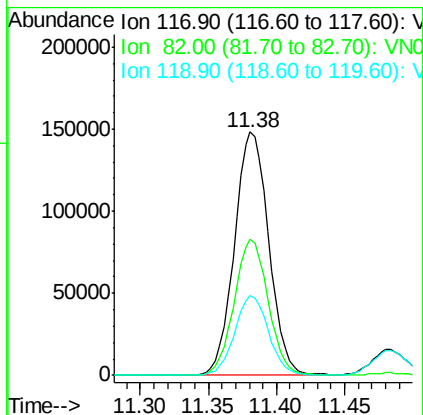
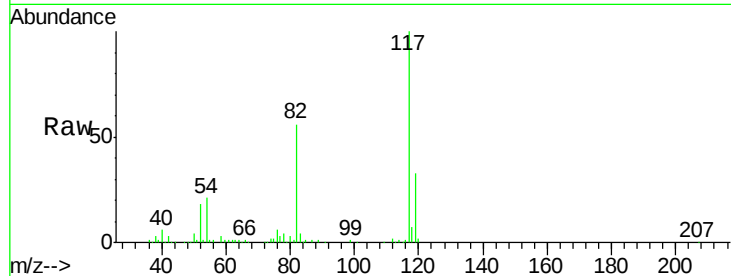
Instrument :
MSVOA_N
ClientSampleId :
VN0824MBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	259361		
82	55.7	44.5	66.7	
119	32.7	25.5	38.3	

Manual Integrations
APPROVED

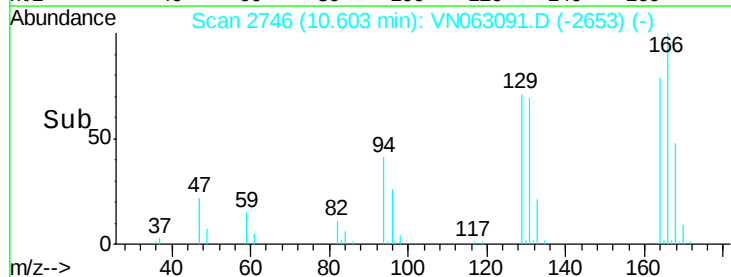
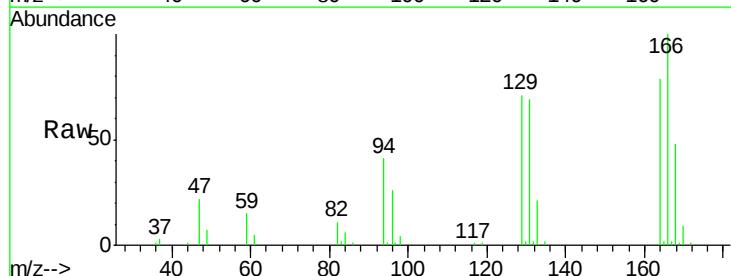
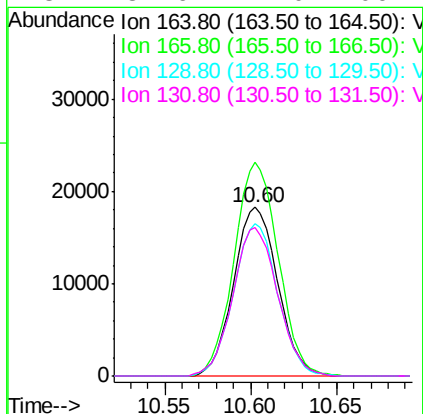
MMDadoda

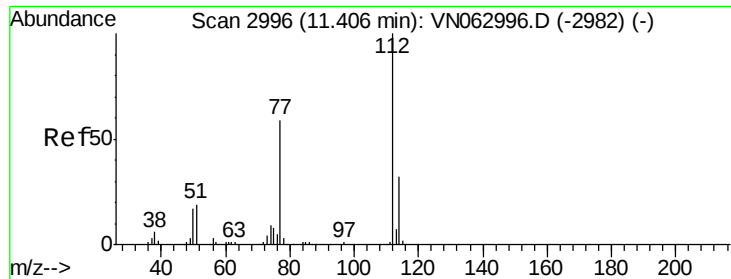
8/25/2020 12:14:37 PM



#64
Tetrachloroethene
Concen: 19.144 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN063091.D
Acq: 24 Aug 2020 13:27

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	32639		
166	126.4	105.0	157.6	
129	90.0	74.7	112.1	
131	87.6	71.0	106.4	





#65
Chlorobenzene
Concen: 19.850 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN063091.D
Acq: 24 Aug 2020 13:27

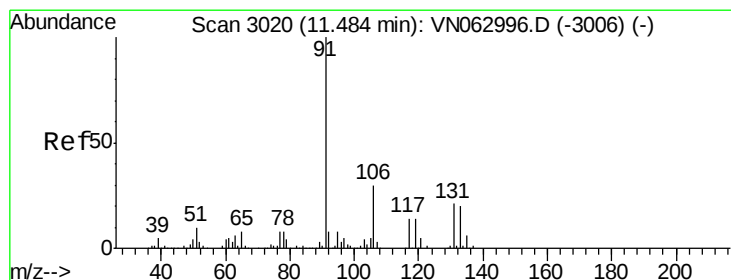
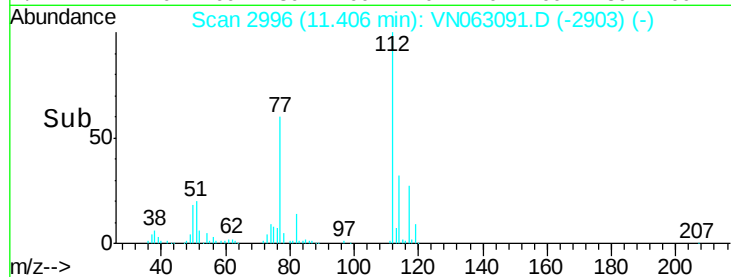
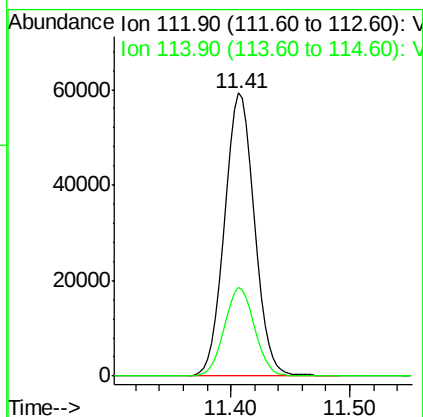
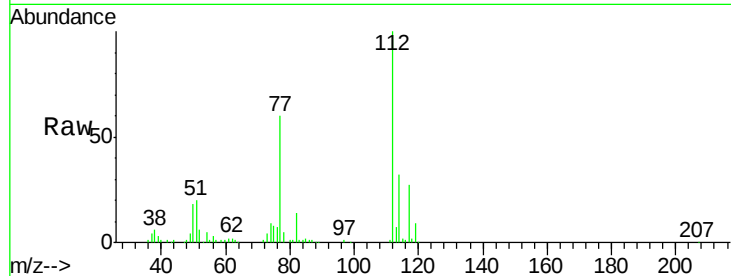
Instrument :
MSVOA_N
ClientSampleId :
VN0824MBS01

Tot Ion:112 Resp: 103399
Ion Ratio Lower Upper
112 100
114 31.5 25.3 37.9

Manual Integrations
APPROVED

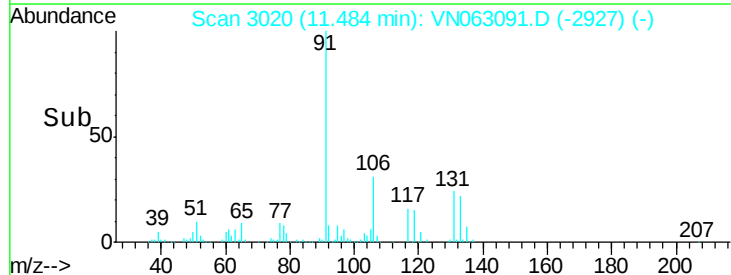
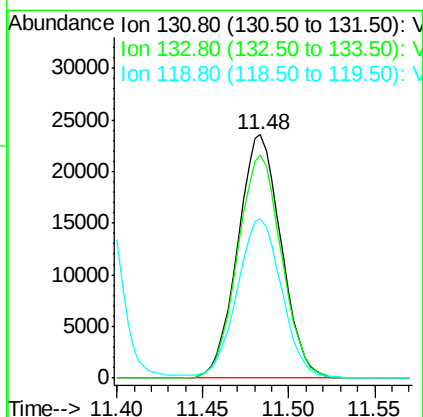
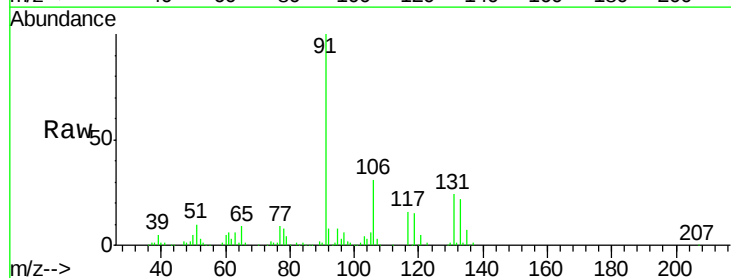
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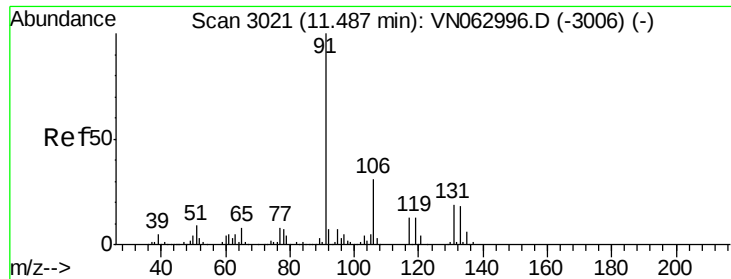
8/25/2020 12:14:37 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.383 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN063091.D
Acq: 24 Aug 2020 13:27

Tgt Ion:131 Resp: 41298
Ion Ratio Lower Upper
131 100
133 92.7 47.5 142.6
119 67.5 33.1 99.3





#67
Ethyl Benzene
Concen: 19.625 ug/l
RT: 11.49 min Scan# 3021
Delta R.T. -0.00 min
Lab File: VN063091.D
Acq: 24 Aug 2020 13:27

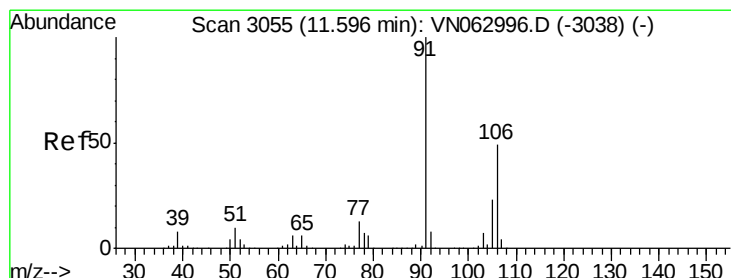
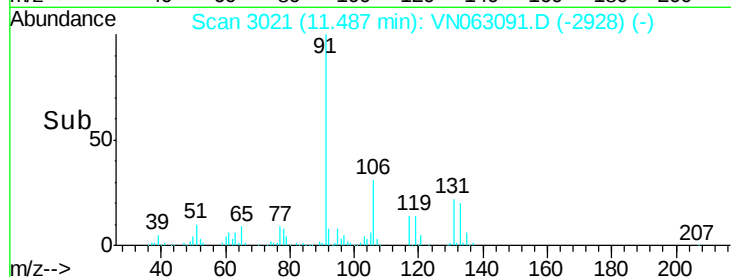
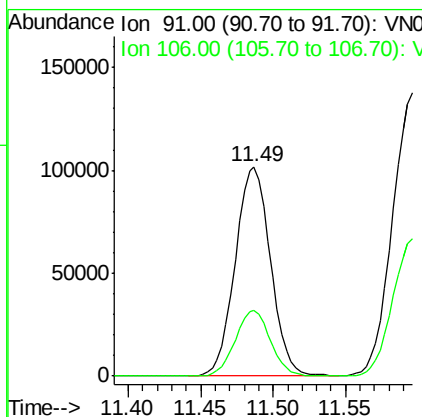
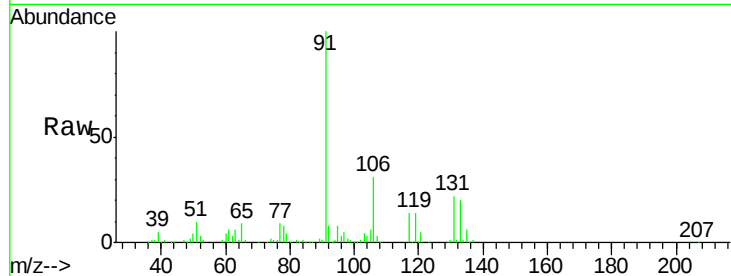
Instrument :
MSVOA_N
ClientSampled :
VN0824MBS01

Tot Ion: 91 Resp: 172727
Ion Ratio Lower Upper
91 100
106 31.3 24.6 37.0

Manual Integrations
APPROVED

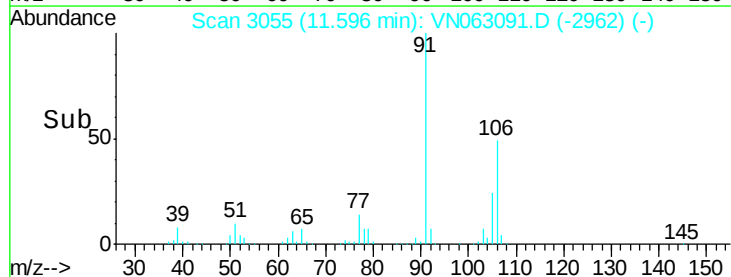
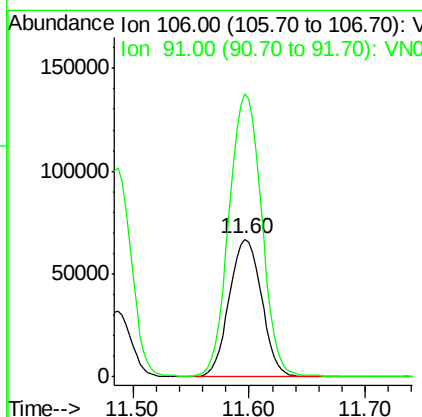
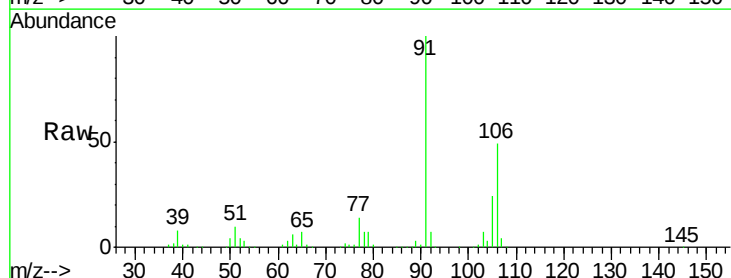
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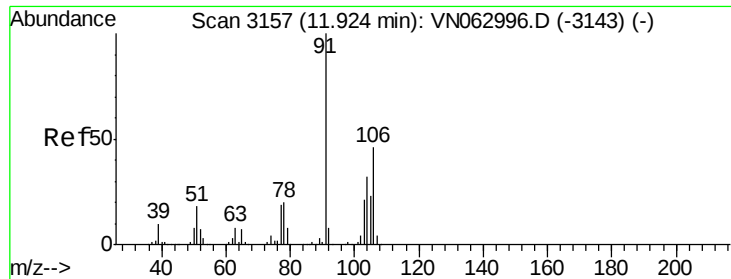
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#68
m/p-Xylenes
Concen: 39.995 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. -0.00 min
Lab File: VN063091.D
Acq: 24 Aug 2020 13:27

Tgt Ion: 106 Resp: 130835
Ion Ratio Lower Upper
106 100
91 204.9 163.0 244.4





#69
o-Xylene
Concen: 19.835 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. -0.00 min
Lab File: VN063091.D
Acq: 24 Aug 2020 13:27

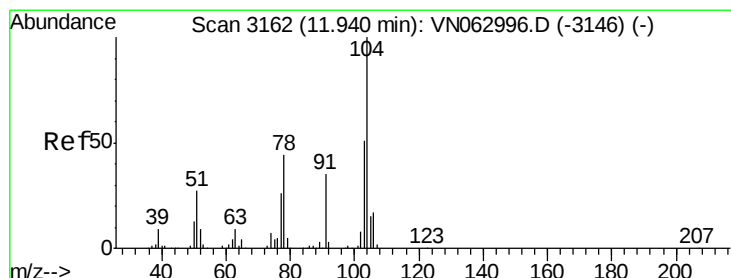
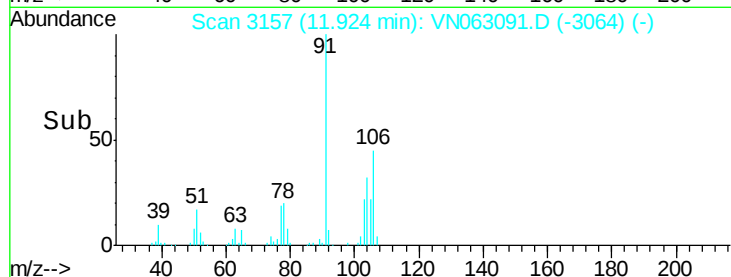
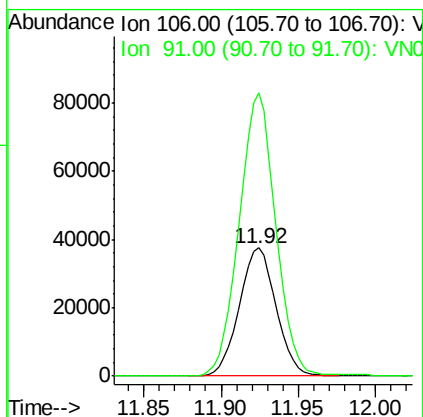
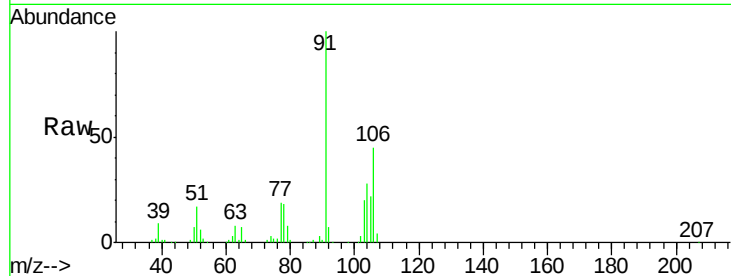
Instrument :
MSVOA_N
ClientSampled :
VN0824MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		62309		
91	219.3	107.3	321.9		

Manual Integrations
APPROVED

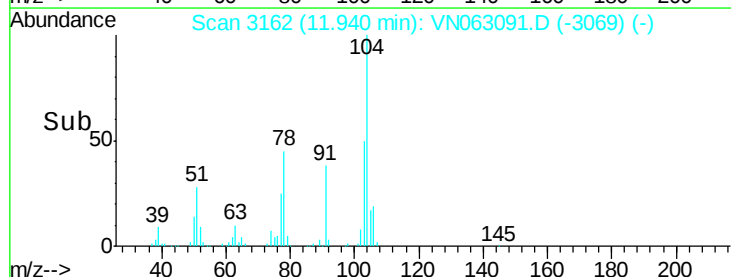
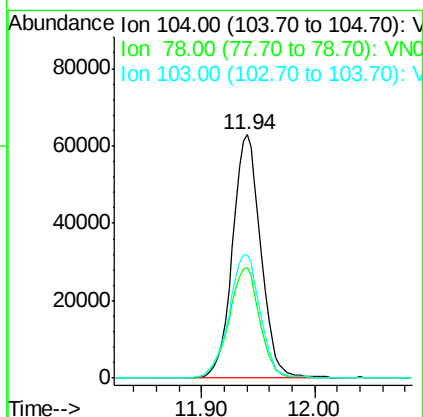
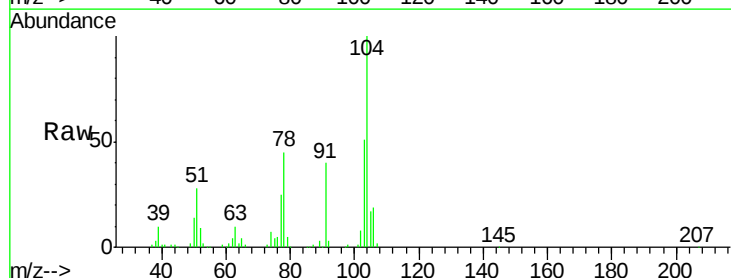
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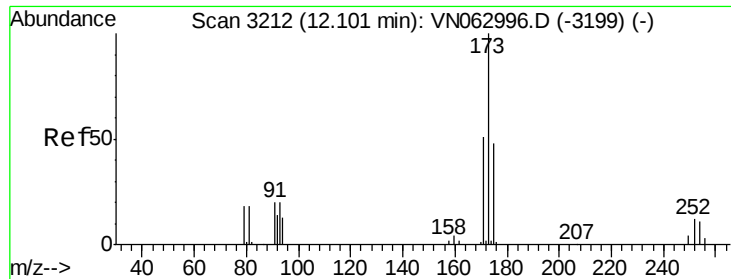
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#70
Styrene
Concen: 18.836 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN063091.D
Acq: 24 Aug 2020 13:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		109649		
78	49.6	39.0	58.6		
103	55.8	44.3	66.5		





#71
Bromoform
Concen: 19.876 ug/l
RT: 12.10 min Scan# 3213
Delta R.T. 0.00 min
Lab File: VN063091.D
Acq: 24 Aug 2020 13:27

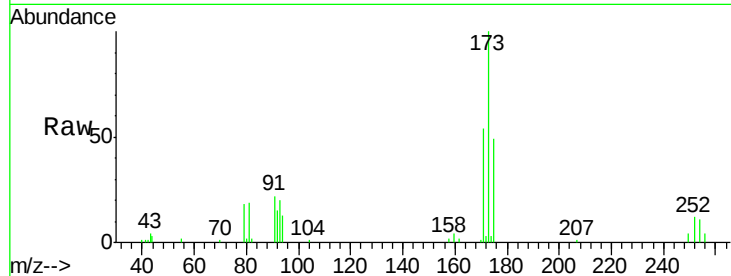
Instrument :
MSVOA_N
ClientSampleId :
VN0824MBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.3	72.8
254	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda

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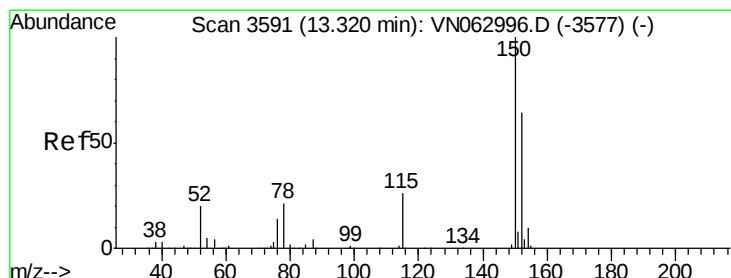
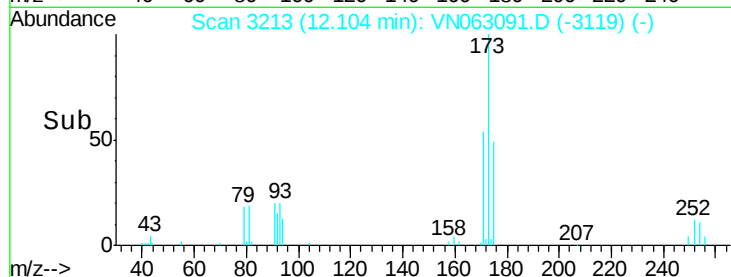
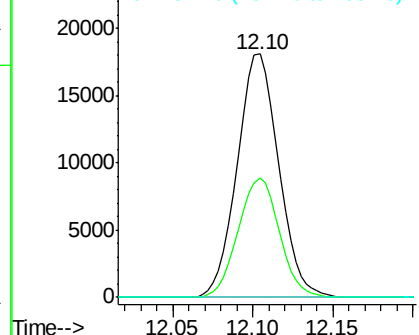


Abundance

Ion 172.70 (172.40 to 173.40): V

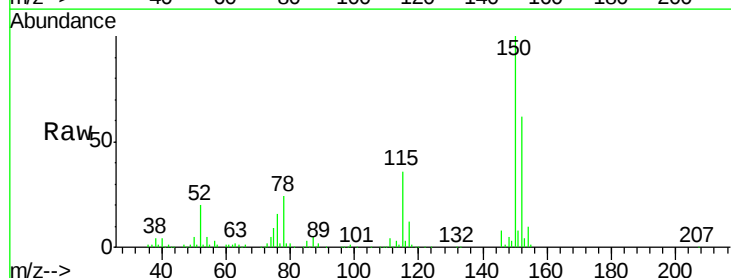
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. -0.00 min
Lab File: VN063091.D
Acq: 24 Aug 2020 13:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.0	28.7	86.3
150	164.3	0.0	348.8

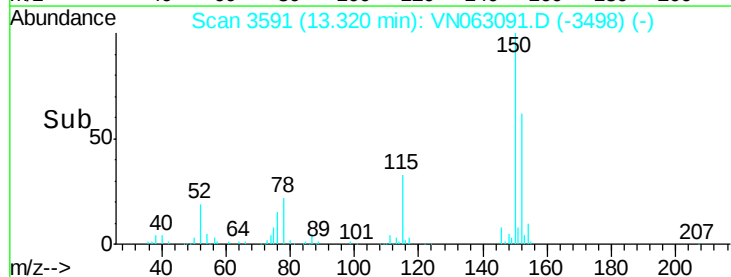
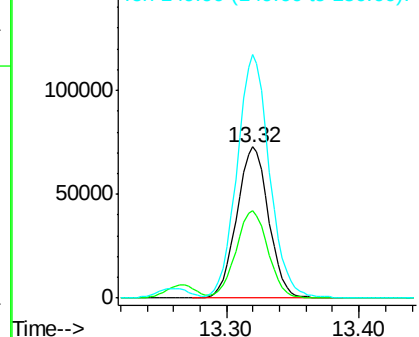


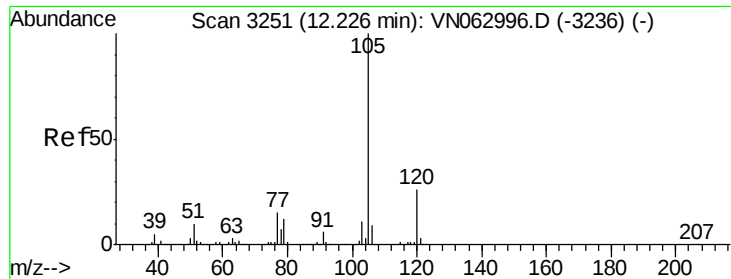
Abundance

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: 20.340 ug/l
RT: 12.23 min Scan# 3251
Delta R.T. -0.00 min
Lab File: VN063091.D
Acq: 24 Aug 2020 13:27

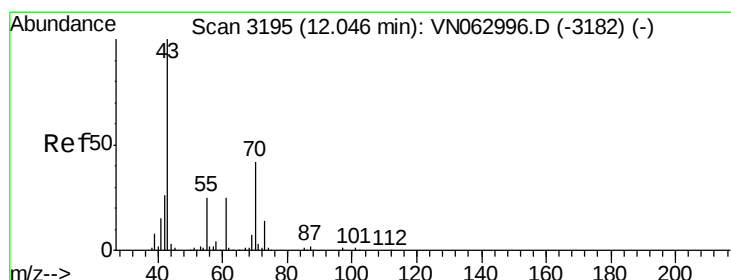
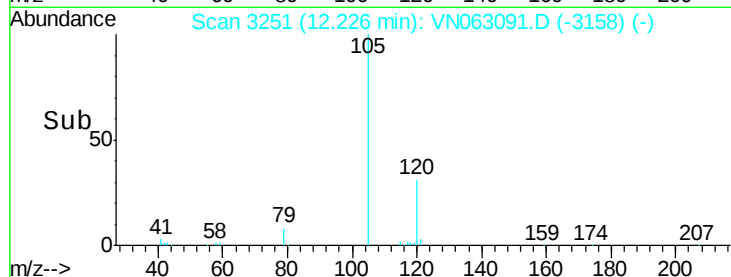
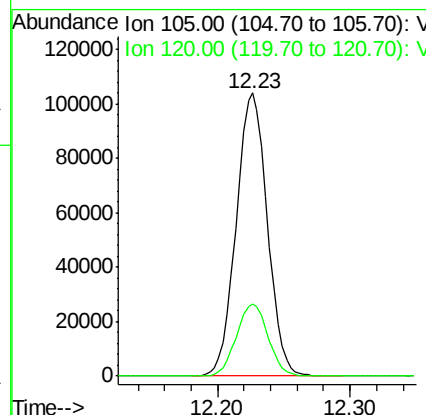
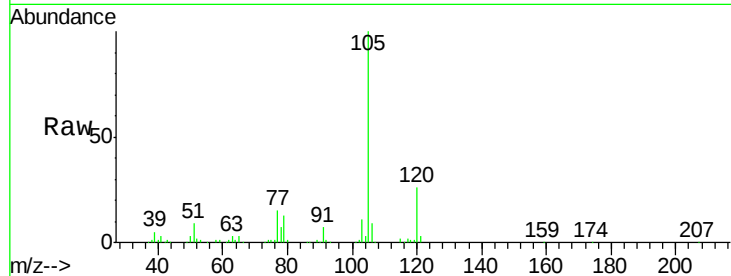
Instrument :
MSVOA_N
ClientSampleId :
VN0824MBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.2	39.6

Manual Integrations
APPROVED

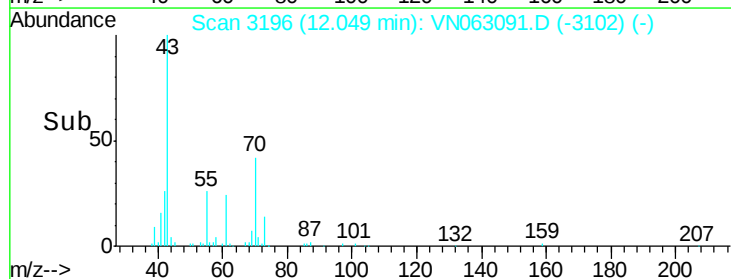
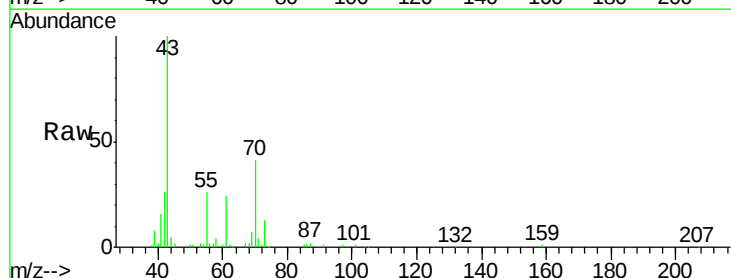
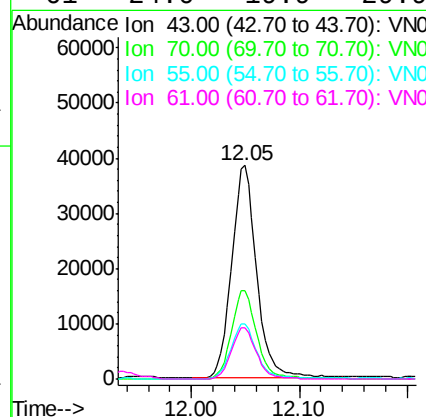
MMDadoda

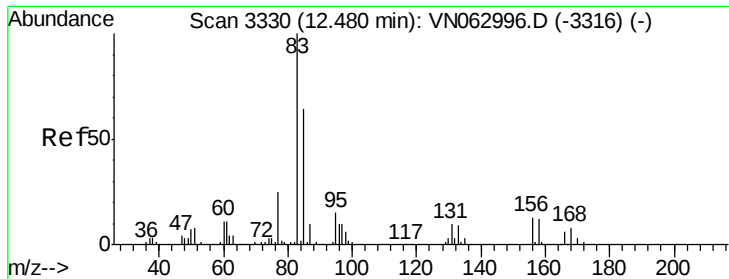
8/25/2020 12:14:37 PM



#74
N-ethyl acetate
Concen: 21.016 ug/l
RT: 12.05 min Scan# 3196
Delta R.T. 0.00 min
Lab File: VN063091.D
Acq: 24 Aug 2020 13:27

Tgt Ion	Ratio	Lower	Upper
43	100		
70	41.9	33.4	50.0
55	26.8	20.2	30.2
61	24.0	19.9	29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 20.955 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN063091.D

Acq: 24 Aug 2020 13:27

Instrument :

MSVOA_N

ClientSampled :

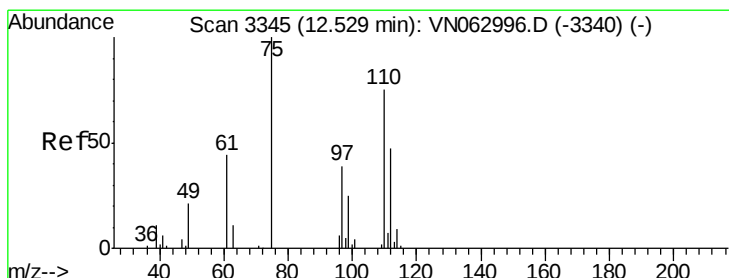
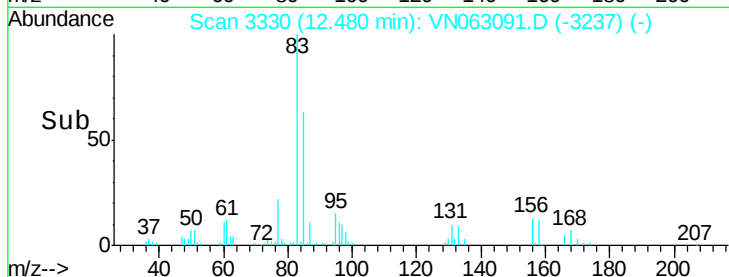
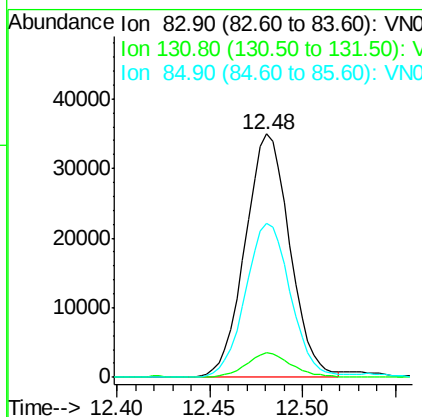
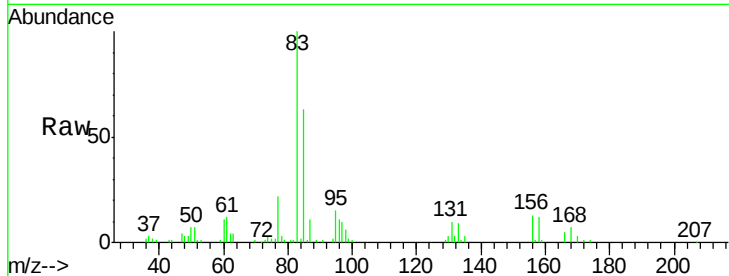
VN0824MBS01

Tot Ion:	83	Resp:	58851
Ion Ratio	Lower	Upper	
83	100		
131	10.0	4.9	14.7
85	63.8	31.9	95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.843 ug/l m

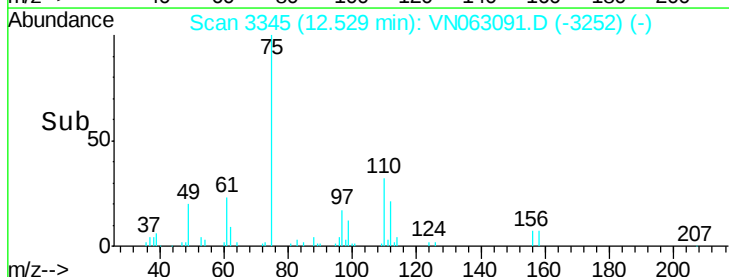
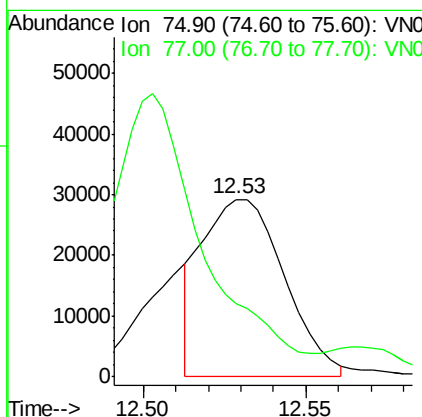
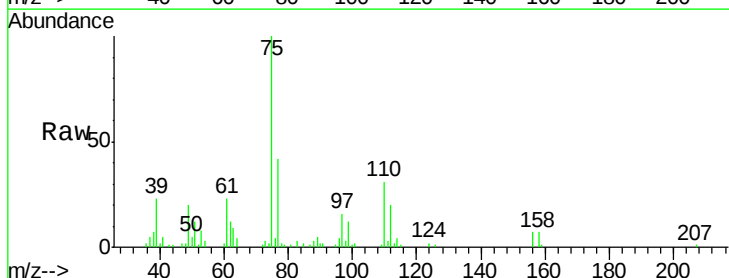
RT: 12.53 min Scan# 3345

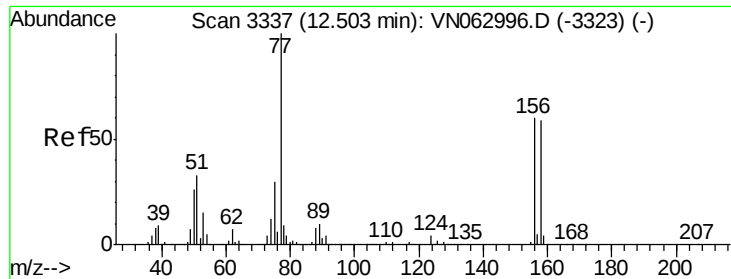
Delta R.T. 0.00 min

Lab File: VN063091.D

Acq: 24 Aug 2020 13:27

Tgt Ion:	75	Resp:	51555
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.538 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN063091.D

Acq: 24 Aug 2020 13:27

Instrument :

MSVOA_N

ClientSampled :

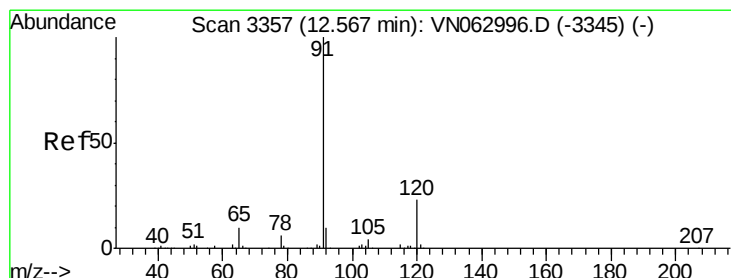
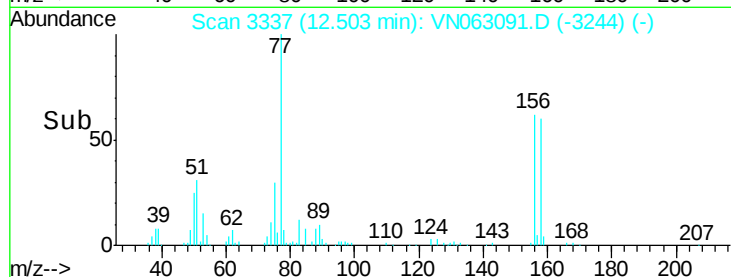
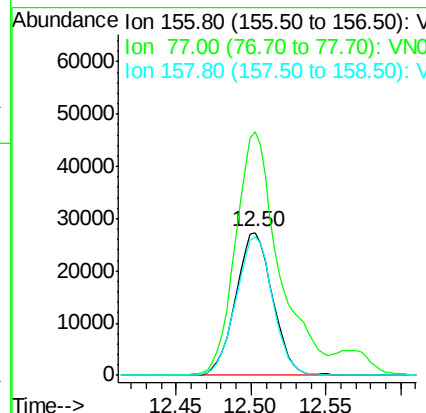
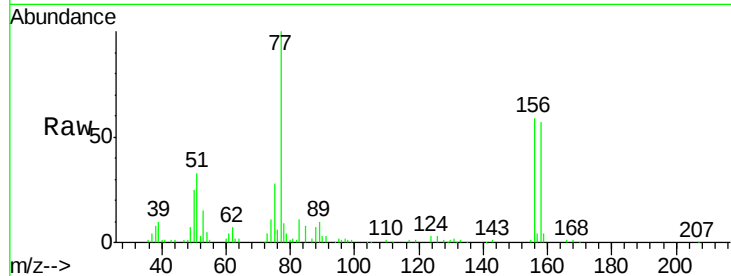
VN0824MBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	201.0	101.0	302.9	
158	96.9	49.4	148.0	

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#78

n-propylbenzene

Concen: 20.259 ug/l

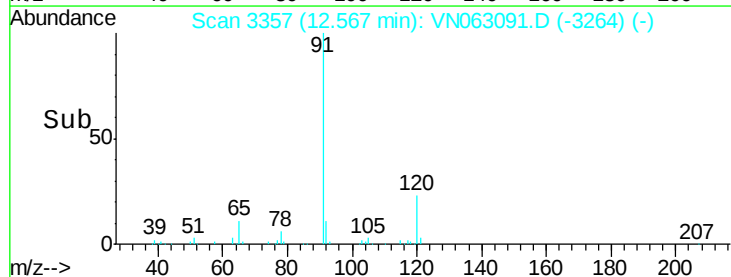
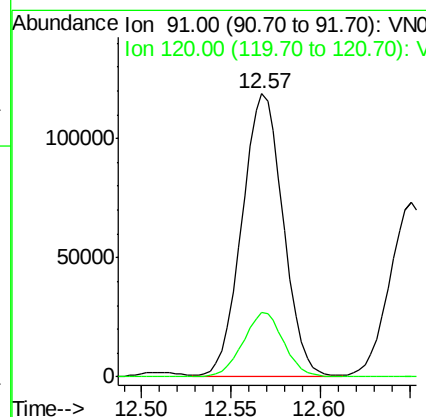
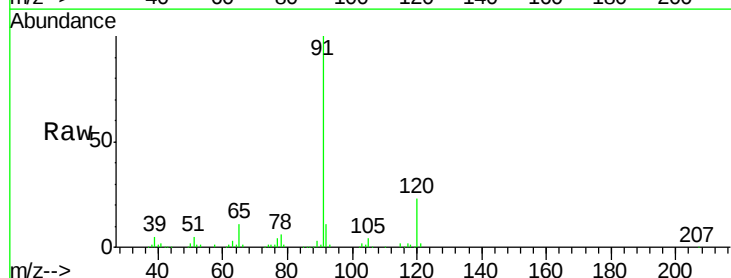
RT: 12.57 min Scan# 3357

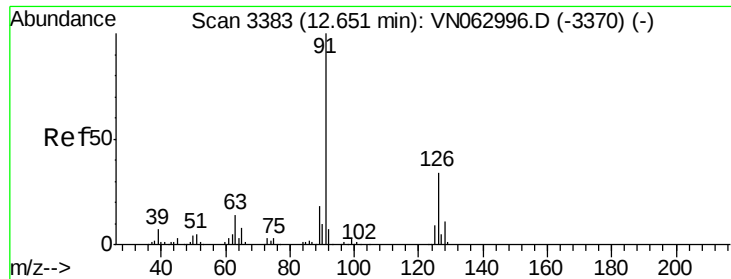
Delta R.T. 0.00 min

Lab File: VN063091.D

Acq: 24 Aug 2020 13:27

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.4	11.4	34.1	





#79

2-Chlorotoluene

Concen: 20.260 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. -0.00 min

Lab File: VN063091.D

Acq: 24 Aug 2020 13:27

Instrument :

MSVOA_N

ClientSampleId :

VN0824MBS01

Tot Ion: 91 Resp: 120778

Ion Ratio Lower Upper

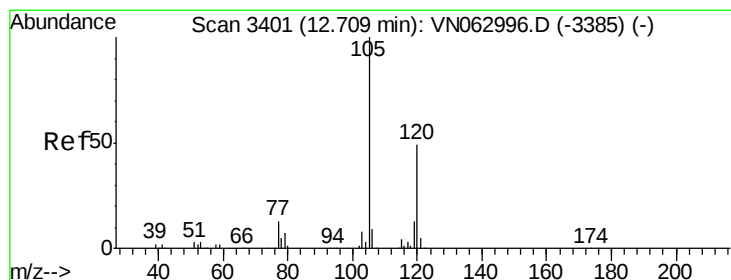
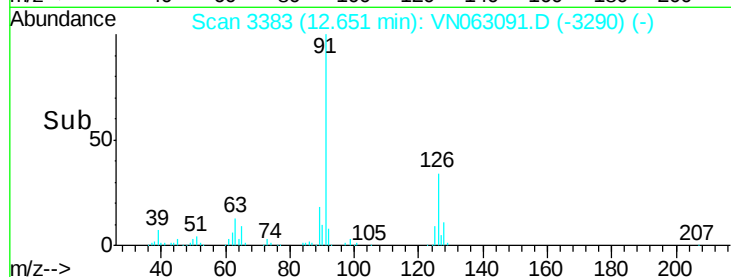
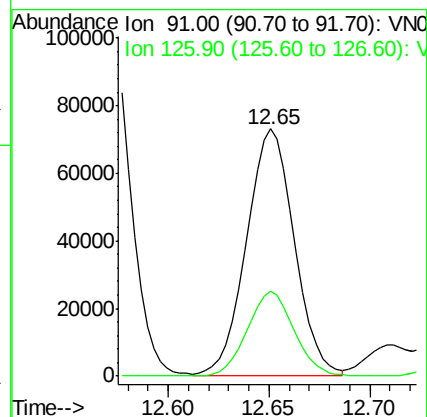
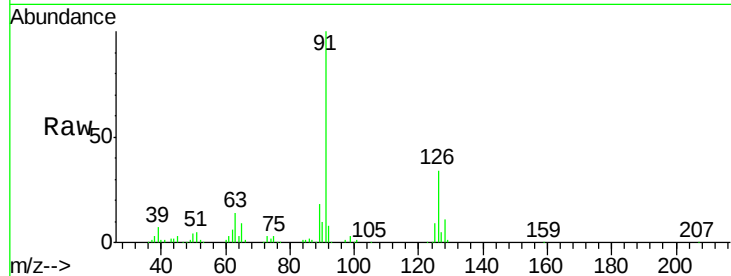
91 100

126 33.8 17.1 51.2

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#80

1,3,5-Trimethylbenzene

Concen: 19.905 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN063091.D

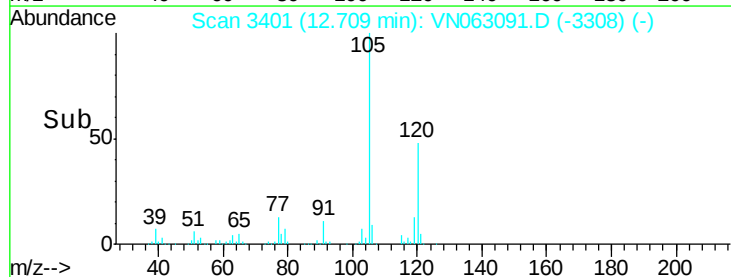
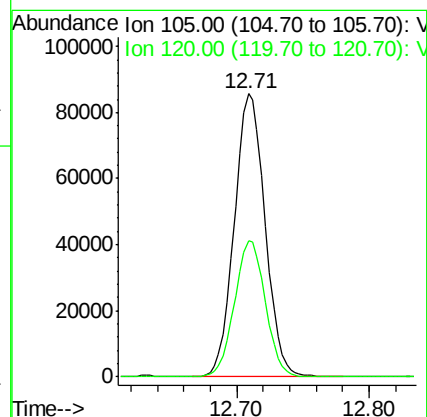
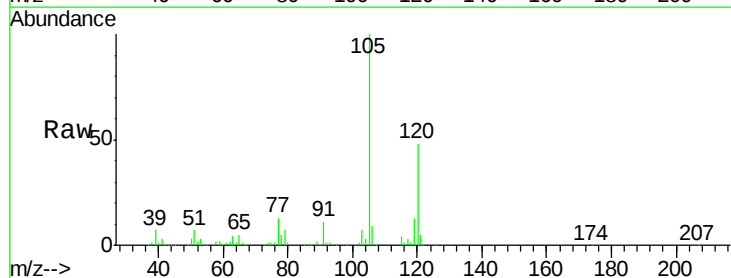
Acq: 24 Aug 2020 13:27

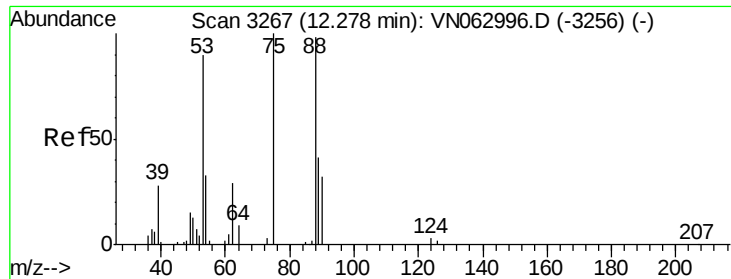
Tgt Ion: 105 Resp: 136823

Ion Ratio Lower Upper

105 100

120 48.6 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 21.360 ug/l

RT: 12.28 min Scan# 3267

Delta R.T. -0.00 min

Lab File: VN063091.D

Acq: 24 Aug 2020 13:27

Instrument :

MSVOA_N

ClientSampled :

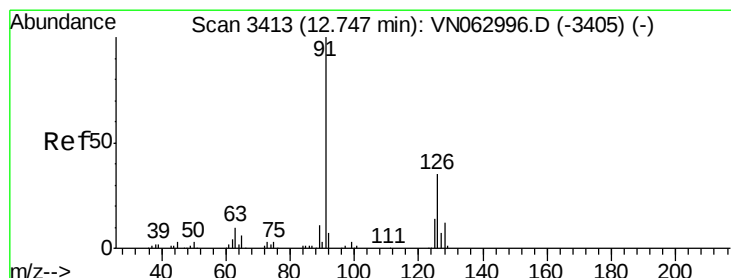
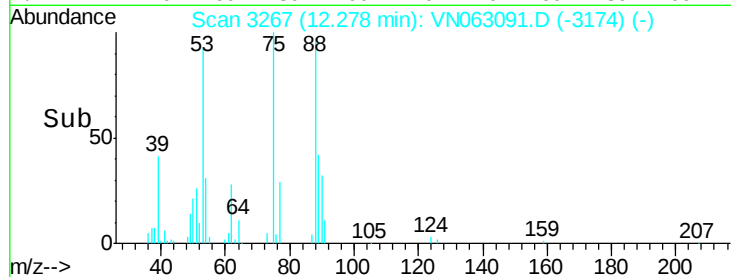
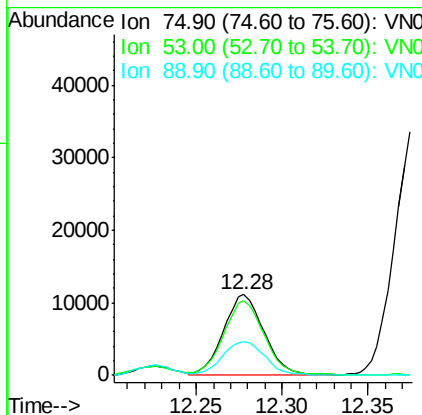
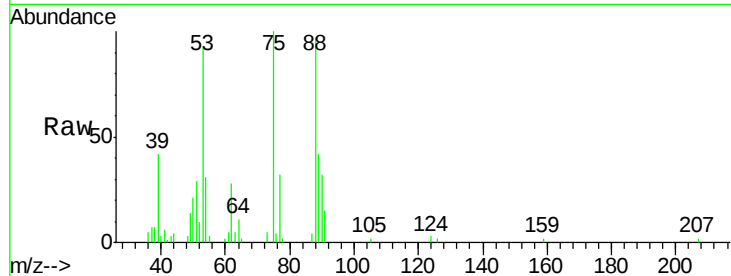
VN0824MBS01

Tot Ion:	75	Resp:	18356
Ion Ratio	Lower	Upper	
75	100		
53	92.8	69.2	103.8
89	43.3	34.2	51.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.263 ug/l

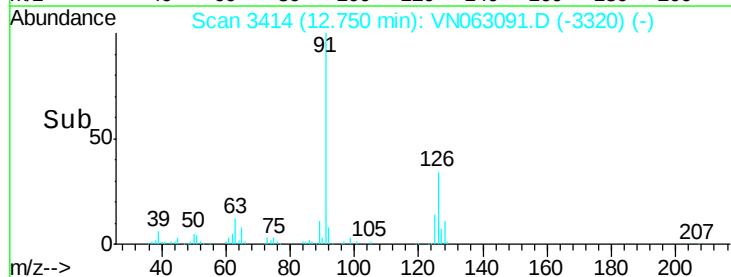
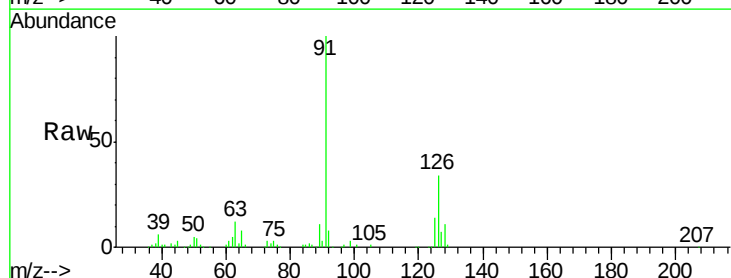
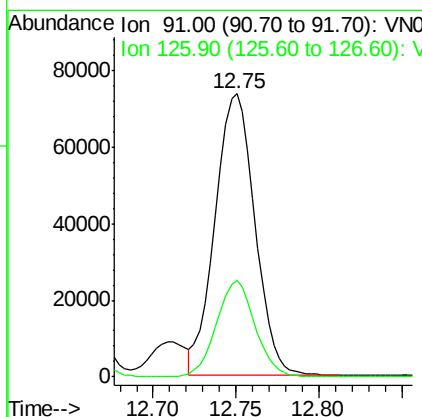
RT: 12.75 min Scan# 3414

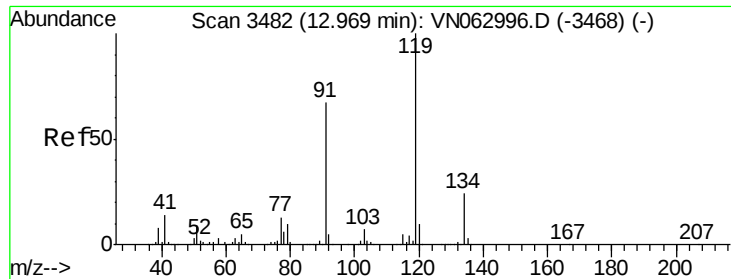
Delta R.T. 0.00 min

Lab File: VN063091.D

Acq: 24 Aug 2020 13:27

Tgt Ion:	91	Resp:	123000
Ion Ratio	Lower	Upper	
91	100		
126	33.3	16.5	49.5





#83
 tert-Butylbenzene
 Concen: 19.565 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN063091.D
 Acq: 24 Aug 2020 13:27

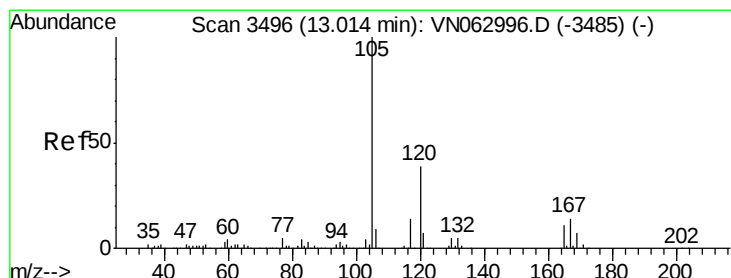
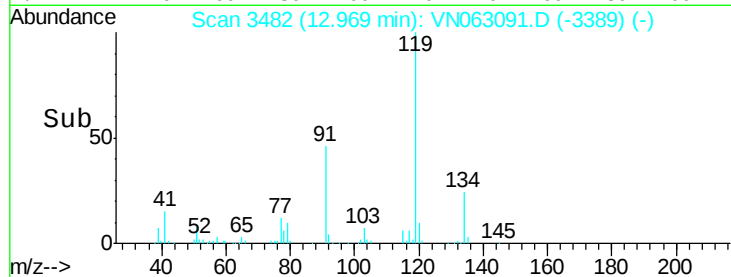
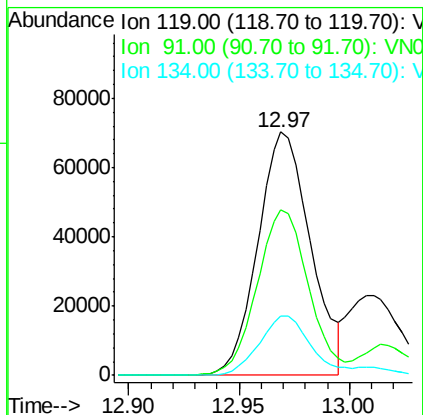
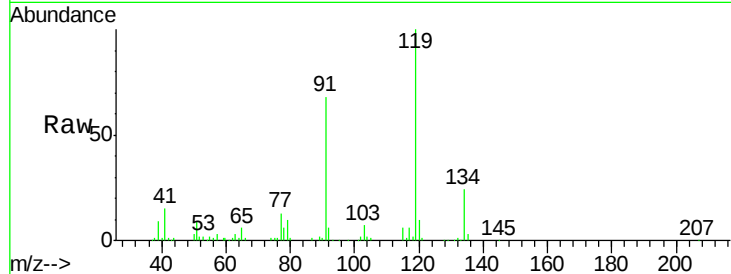
Instrument :
 MSVOA_N
 ClientSampled :
 VN0824MBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	116073		
91	66.6	32.5	97.4	
134	24.0	13.1	39.3	

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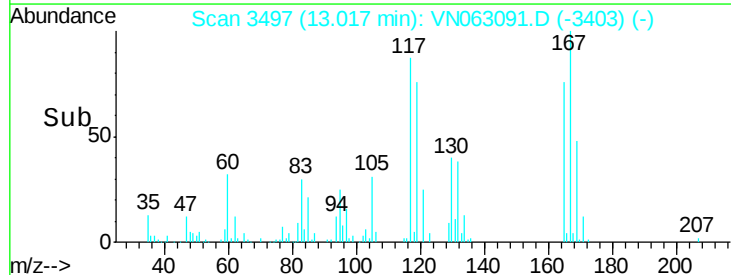
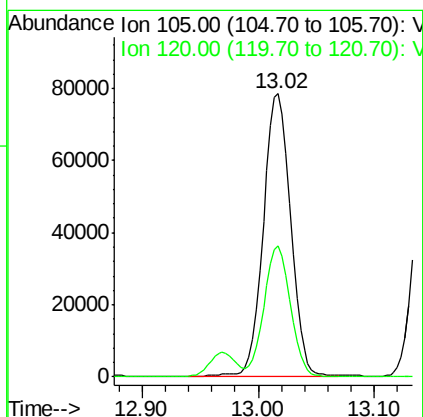
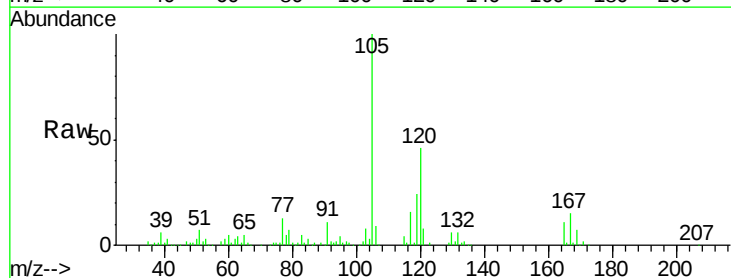
MMDadoda

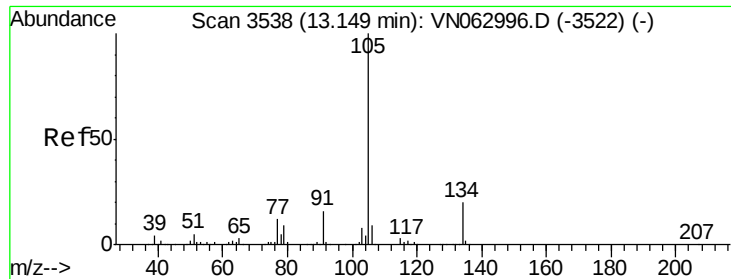
8/25/2020 12:14:37 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.285 ug/l
 RT: 13.02 min Scan# 3497
 Delta R.T. 0.00 min
 Lab File: VN063091.D
 Acq: 24 Aug 2020 13:27

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	129144		
120	44.6	22.5	67.5	





#85

sec-Butylbenzene

Concen: 18.793 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. -0.00 min

Lab File: VN063091.D

Acq: 24 Aug 2020 13:27

Instrument :

MSVOA_N

ClientSampled :

VN0824MBS01

Tot Ion:105 Resp: 150683

Ion Ratio Lower Upper

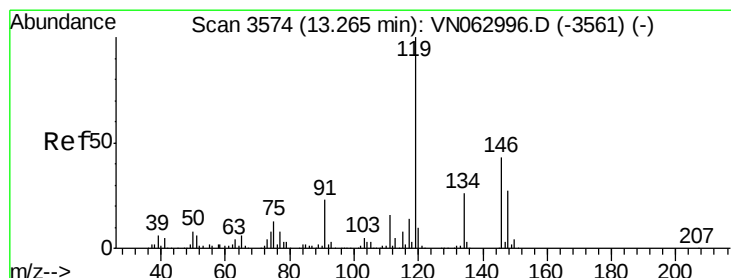
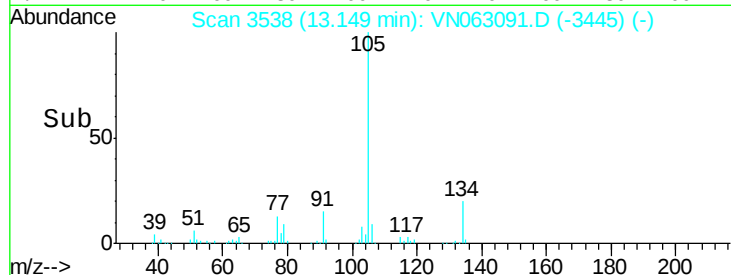
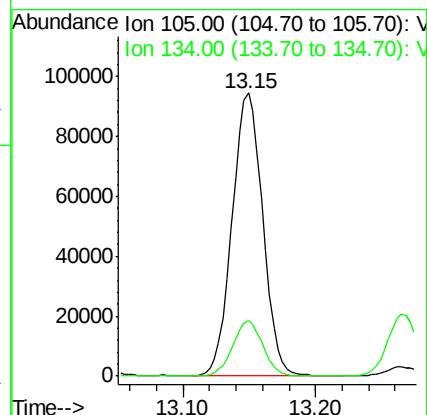
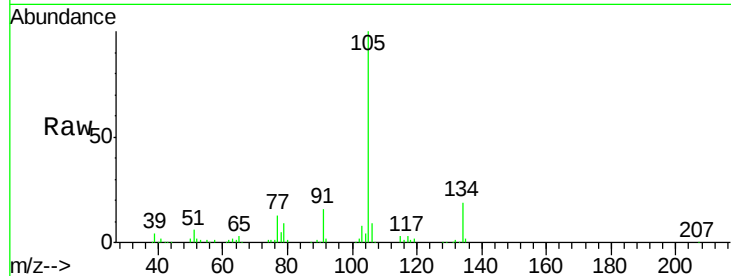
105 100

134 19.2 9.8 29.4

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#86

p-Isopropyltoluene

Concen: 18.023 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN063091.D

Acq: 24 Aug 2020 13:27

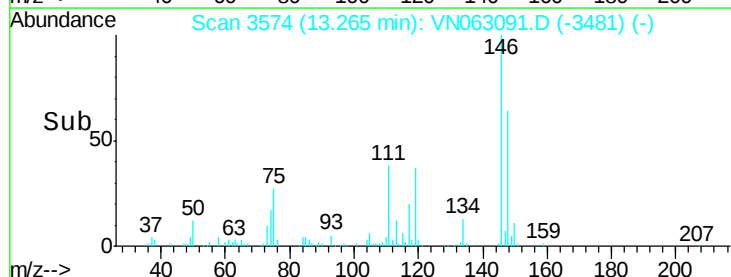
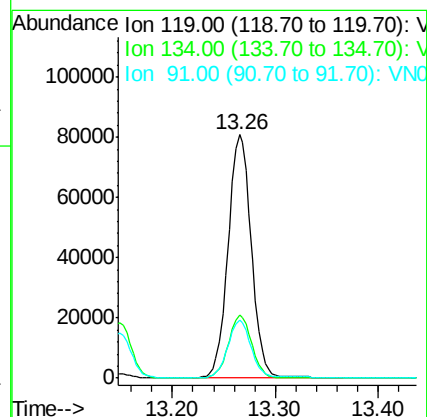
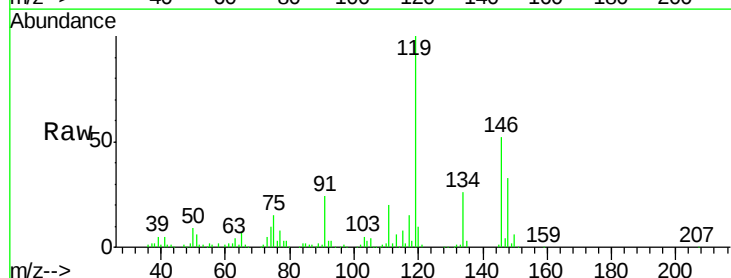
Tgt Ion:119 Resp: 125917

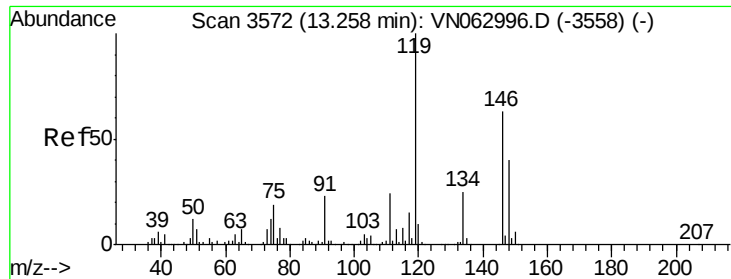
Ion Ratio Lower Upper

119 100

134 26.2 13.1 39.3

91 23.2 11.5 34.4





#87
 1,3-Dichlorobenzene
 Concen: 20.512 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN063091.D
 Acq: 24 Aug 2020 13:27

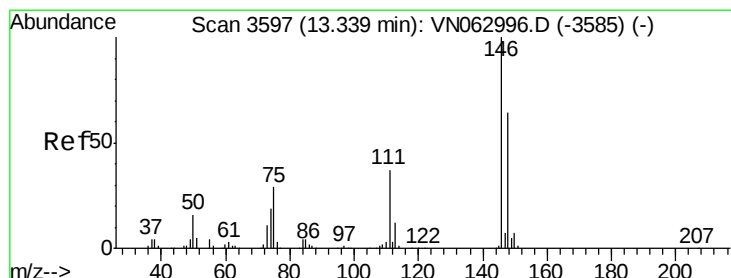
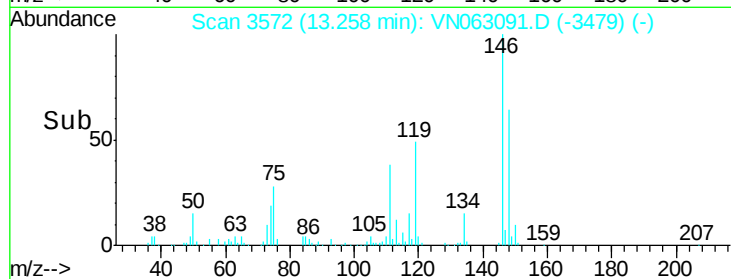
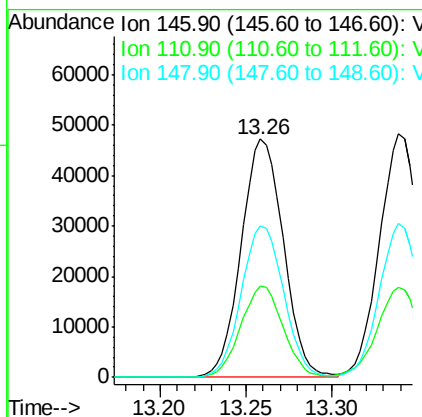
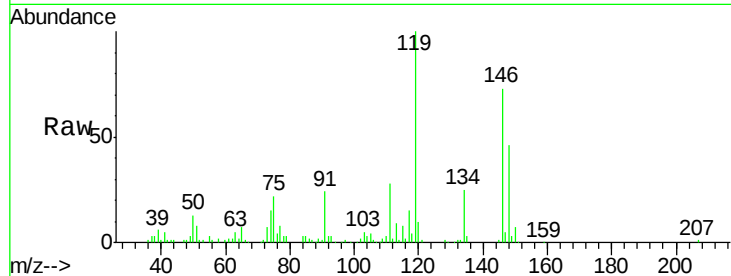
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.4	58.1
148	63.8	32.0	96.0

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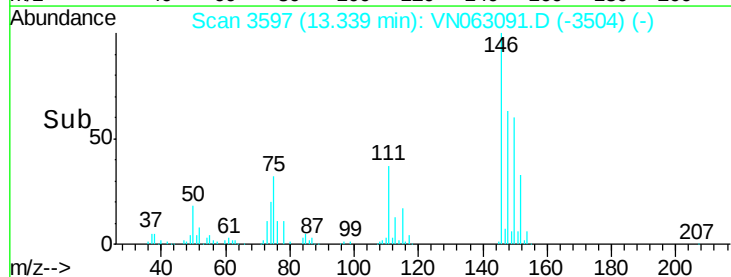
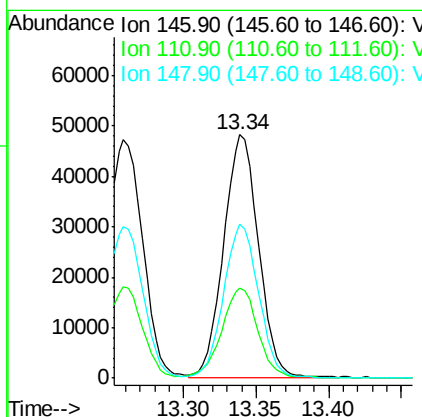
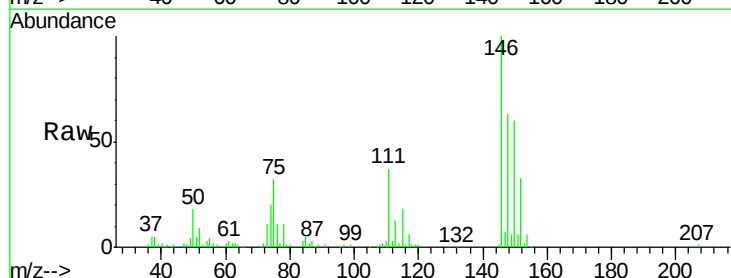
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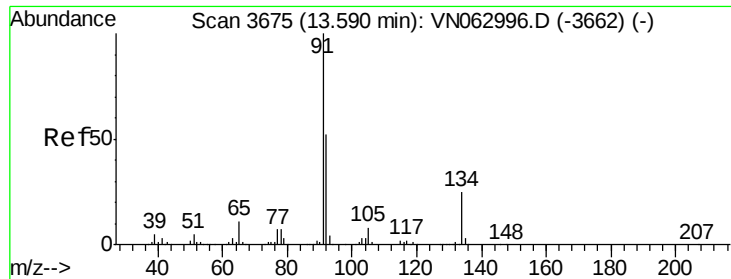
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#88
 1,4-Dichlorobenzene
 Concen: 20.005 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN063091.D
 Acq: 24 Aug 2020 13:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.8	56.4
148	64.1	32.4	97.0





#89
n-Butylbenzene
Concen: 16.708 ug/l
RT: 13.59 min Scan# 3676
Delta R.T. 0.00 min
Lab File: VN063091.D
Acq: 24 Aug 2020 13:27

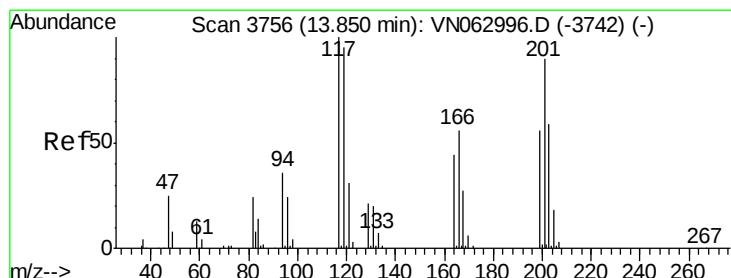
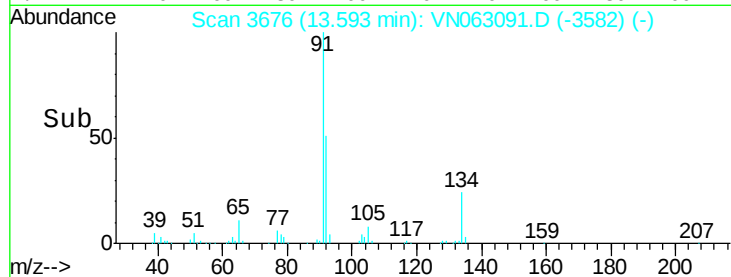
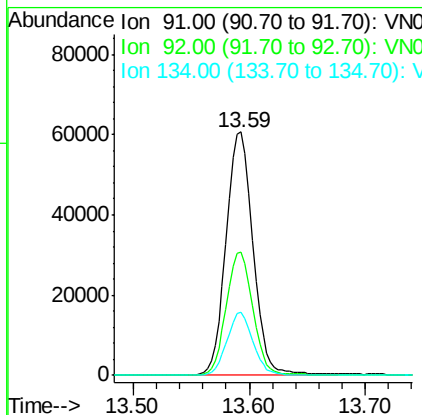
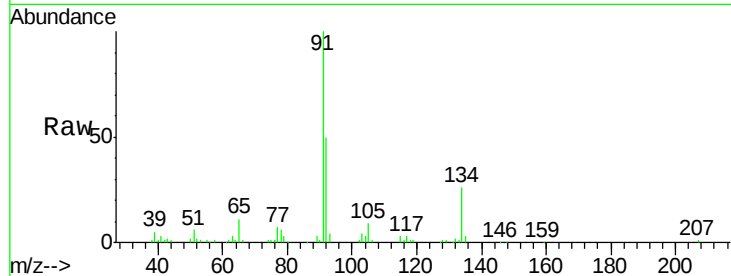
Instrument :
MSVOA_N
ClientSampled :
VN0824MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.1	25.9	77.6
134	24.9	12.4	37.0

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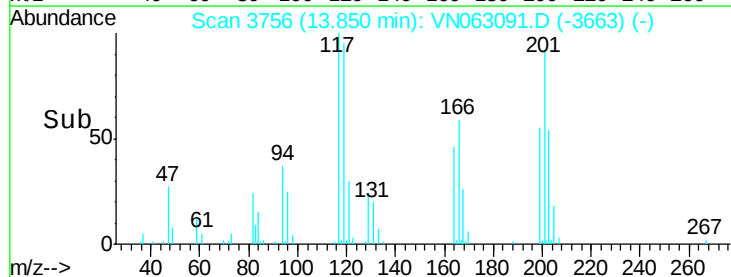
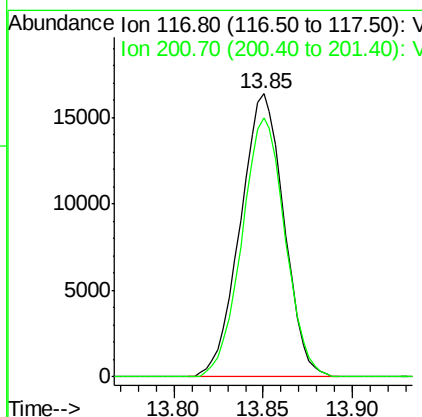
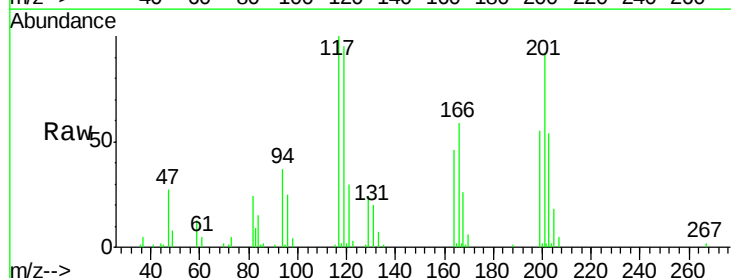
MMDadoda

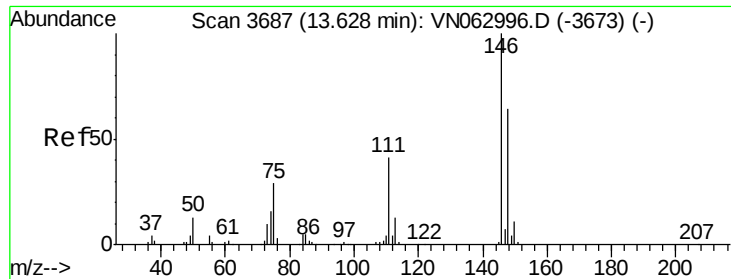
8/25/2020 12:14:37 PM



#90
Hexachloroethane
Concen: 18.835 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN063091.D
Acq: 24 Aug 2020 13:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.3	44.1	132.4





#91
 1,2-Dichlorobenzene
 Concen: 20.774 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN063091.D
 Acq: 24 Aug 2020 13:27

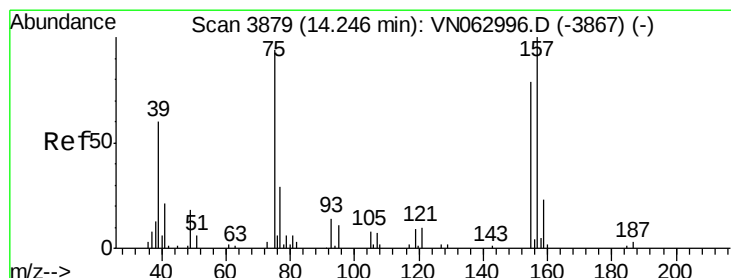
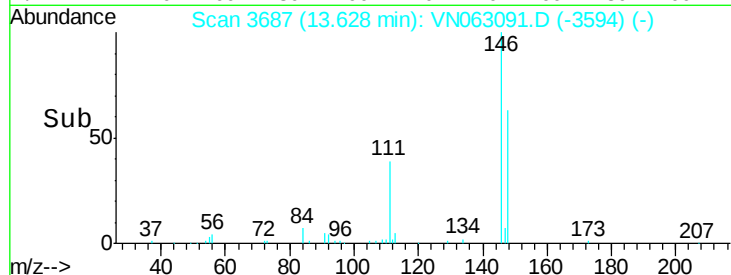
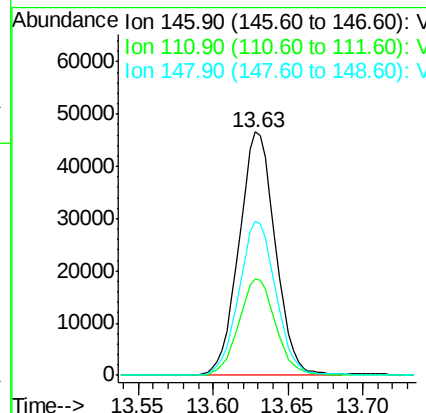
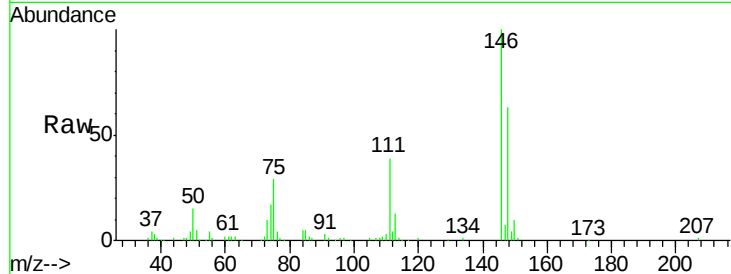
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824MBS01

Tot Ion:	146	Resp:	78868
Ion Ratio	Lower	Upper	
146	100		
111	39.9	20.2	60.5
148	64.3	31.9	95.5

Manual Integrations
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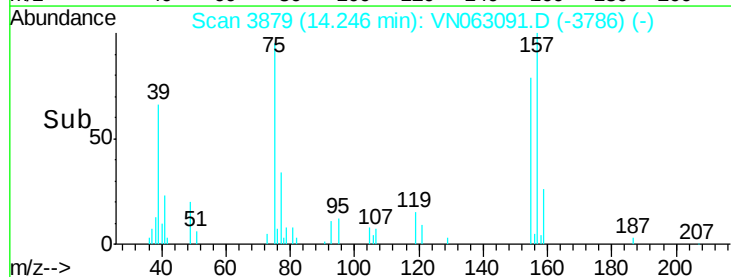
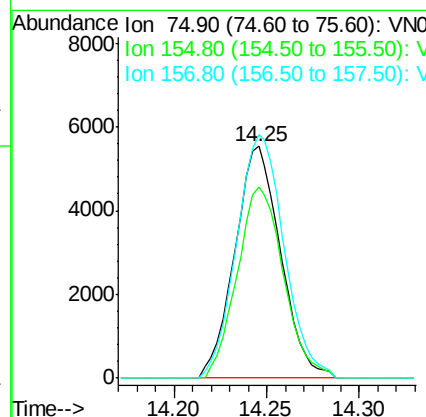
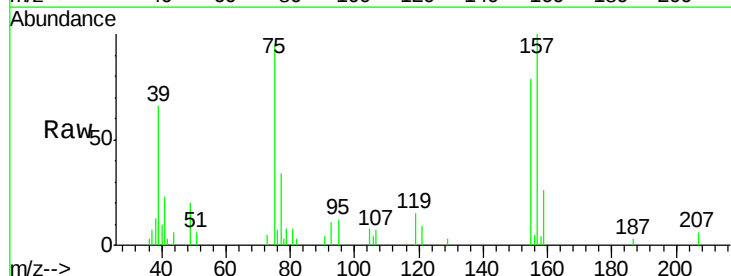
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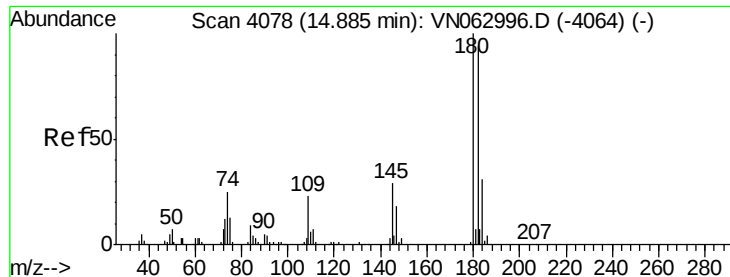
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.740 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. -0.00 min
 Lab File: VN063091.D
 Acq: 24 Aug 2020 13:27

Tgt Ion:	75	Resp:	9523
Ion Ratio	Lower	Upper	
75	100		
155	83.4	42.4	127.1
157	109.0	55.2	165.6





#93
 1,2,4-Trichlorobenzene
 Concen: 19.644 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN063091.D
 Acq: 24 Aug 2020 13:27

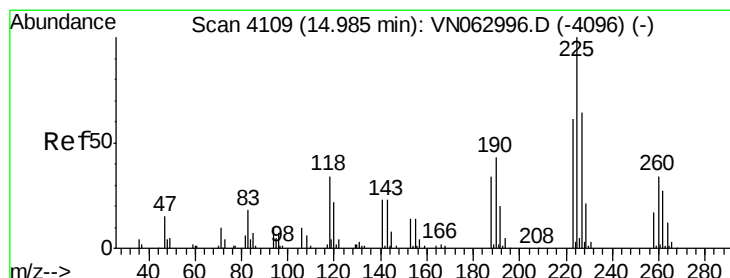
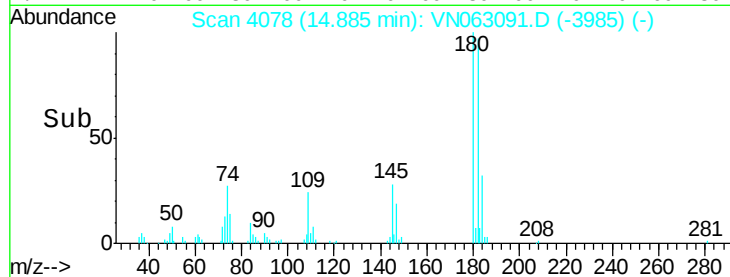
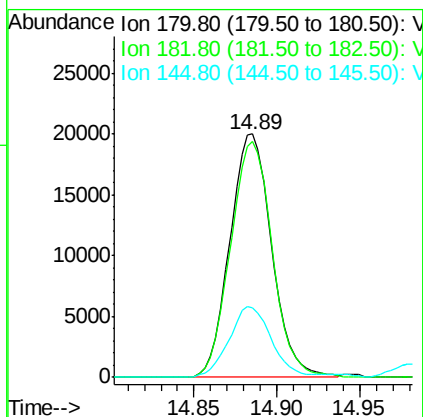
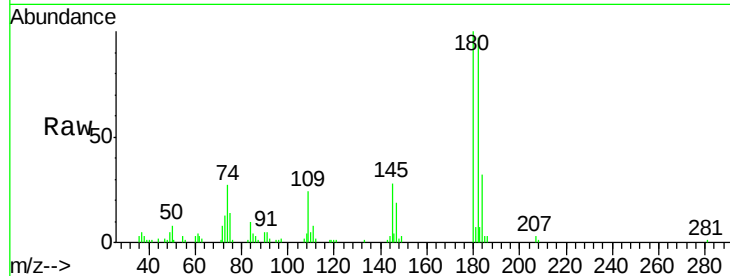
Instrument :
 MSVOA_N
 ClientSampled :
 VN0824MBS01

Tot Ion:	180	Resp:	34951
Ion Ratio	Lower	Upper	
180	100		
182	97.0	47.0	141.2
145	30.6	14.1	42.4

Manual Integrations
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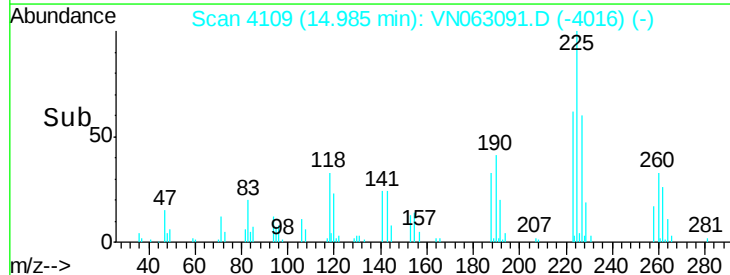
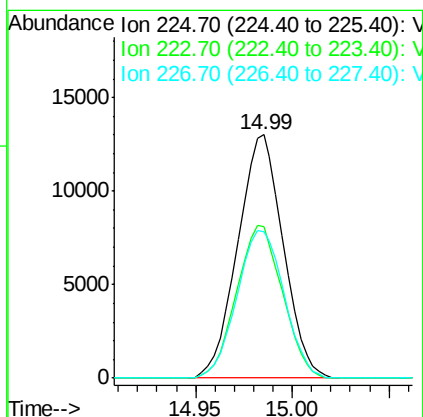
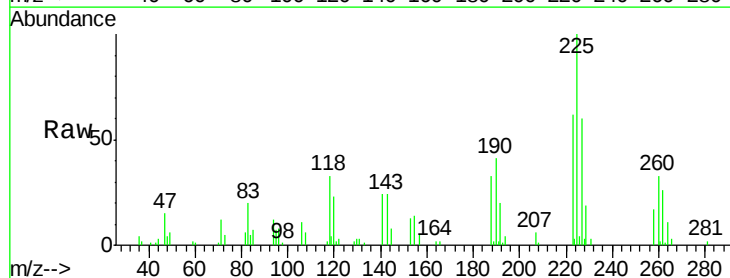
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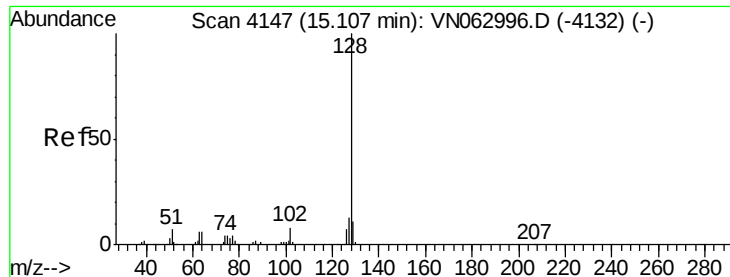
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#94
 Hexachlorobutadiene
 Concen: 15.150 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. -0.00 min
 Lab File: VN063091.D
 Acq: 24 Aug 2020 13:27

Tgt Ion:	225	Resp:	21254
Ion Ratio	Lower	Upper	
225	100		
223	63.5	30.9	92.5
227	63.0	31.9	95.9





#95
Naphthalene
Concen: 20.143 ug/l
RT: 15.11 min Scan# 4147
Delta R.T. 0.00 min
Lab File: VN063091.D
Acq: 24 Aug 2020 13:27

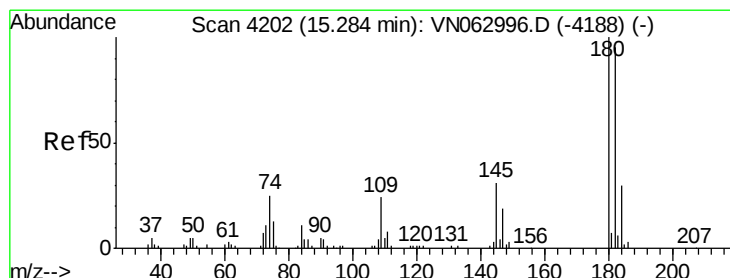
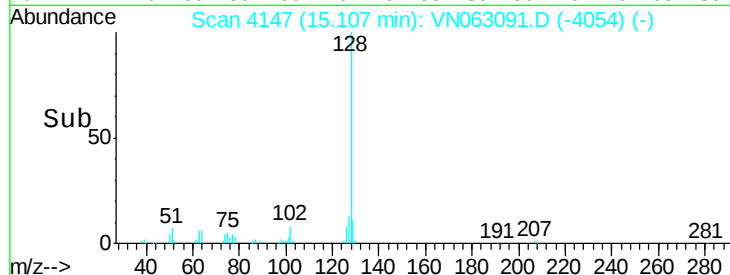
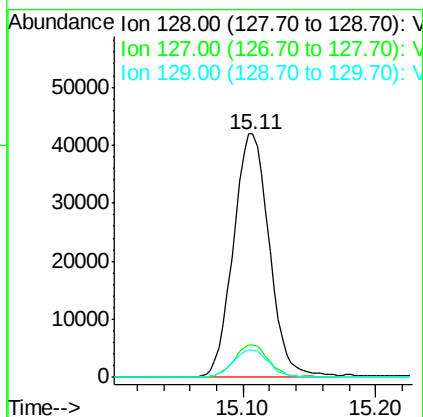
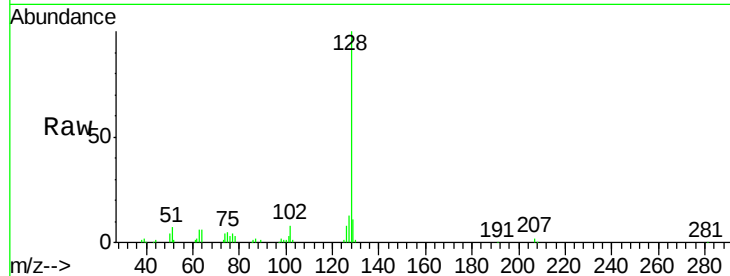
Instrument :
MSVOA_N
ClientSampled :
VN0824MBS01

Tot Ion:	128	Resp:	79189
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.6	16.0
129	11.1	8.9	13.3

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.228 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. 0.00 min
Lab File: VN063091.D
Acq: 24 Aug 2020 13:27

Tgt Ion:	180	Resp:	34198
Ion Ratio	Lower	Upper	
180	100		
182	96.2	47.3	141.9
145	32.0	15.6	46.7

