

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070820\
 Data File : VN062411.D
 Acq On : 8 Jul 2020 16:38
 Operator : JC/MD
 Sample : VN0708WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0708WBSD01

Manual Integrations
 APPROVED

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

Quant Time: Jul 09 02:40:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 09 02:12:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	193701	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	331810	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	301391	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	130000	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	153874	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	
35) Dibromofluoromethane	7.55	113	107873	52.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.18%	
50) Toluene-d8	10.06	98	425568	52.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.12%	
62) 4-Bromofluorobenzene	12.38	95	149452	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.83	85	37454	18.983	ug/l	95
3) Chloromethane	2.04	50	58362	18.435	ug/l	98
4) Vinyl Chloride	2.16	62	49214	18.974	ug/l	100
5) Bromomethane	2.53	94	27690	19.878	ug/l	99
6) Chloroethane	2.67	64	29119	19.276	ug/l	96
7) Trichlorofluoromethane	2.98	101	62821	19.071	ug/l	100
8) Diethyl Ether	3.37	74	28149	19.110	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	37709	19.311	ug/l	99
10) Methyl Iodide	3.91	142	47644	18.478	ug/l	99
11) Tert butyl alcohol	4.73	59	47159	95.420	ug/l	99
12) 1,1-Dichloroethene	3.70	96	37890	19.058	ug/l	97
13) Acrolein	3.57	56	31215	87.554	ug/l	99
14) Allyl chloride	4.28	41	90008	19.250	ug/l	99
15) Acrylonitrile	4.93	53	127755	98.562	ug/l	100
16) Acetone	3.78	43	114278	90.345	ug/l	99
17) Carbon Disulfide	4.01	76	114880	18.440	ug/l	100
18) Methyl Acetate	4.28	43	59569	18.871	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	143704	19.065	ug/l	100
20) Methylene Chloride	4.50	84	49626	18.349	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	41114	19.088	ug/l	97
22) Diisopropyl ether	5.90	45	182650	19.771	ug/l	95
23) Vinyl Acetate	5.84	43	747062	97.622	ug/l	99
24) 1,1-Dichloroethane	5.80	63	92110	19.296	ug/l	100
25) 2-Butanone	6.79	43	176010	95.279	ug/l	99
26) 2,2-Dichloropropane	6.77	77	70662	19.306	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	49180	19.713	ug/l	98
28) Bromochloromethane	7.15	49	45070	17.378	ug/l	100
29) Tetrahydrofuran	7.17	42	118704	95.443	ug/l	99
30) Chloroform	7.33	83	83692	19.417	ug/l	99
31) Cyclohexane	7.62	56	83536	18.459	ug/l	94
32) 1,1,1-Trichloroethane	7.54	97	68387	19.075	ug/l	99
36) 1,1-Dichloropropene	7.75	75	63180	18.900	ug/l	99
37) Ethyl Acetate	6.88	43	74788	19.133	ug/l	99
38) Carbon Tetrachloride	7.74	117	58723	19.539	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	68840	19.289	ug/l	99
40) Benzene	8.00	78	193457	19.636	ug/l	99
41) Methacrylonitrile	7.12	41	28210	17.273	ug/l	87
42) 1,2-Dichloroethane	8.09	62	72243	20.025	ug/l	100
43) Isopropyl Acetate	8.13	43	122452	19.830	ug/l	99
44) Trichloroethene	8.80	130	43137	19.734	ug/l	98
45) 1,2-Dichloropropane	9.09	63	55585	19.435	ug/l	97
46) Dibromomethane	9.18	93	31892	19.759	ug/l	98
47) Bromodichloromethane	9.37	83	65803	19.069	ug/l	100
48) Methyl methacrylate	9.17	41	57782	19.076	ug/l	99
49) 1,4-Dioxane	9.17	88	16933	384.071	ug/l	95
51) 4-Methyl-2-Pentanone	9.95	43	367930	99.758	ug/l	99
52) Toluene	10.13	92	111432	19.581	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	75544	19.541	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	82061	19.238	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	44510	19.886	ug/l	96
56) Ethyl methacrylate	10.40	69	74342	19.142	ug/l	100
57) 1,3-Dichloropropane	10.68	76	80186	19.391	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	127011	95.651	ug/l	99
59) 2-Hexanone	10.72	43	264345	98.726	ug/l	100
60) Dibromochloromethane	10.87	129	47249	19.469	ug/l	100
61) 1,2-Dibromoethane	10.98	107	43567	19.282	ug/l	99
64) Tetrachloroethene	10.60	164	35607	19.909	ug/l	95
65) Chlorobenzene	11.41	112	114391	19.528	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	41714	19.311	ug/l	98
67) Ethyl Benzene	11.48	91	213244	19.394	ug/l	100
68) m/p-Xylenes	11.60	106	154950	39.808	ug/l	98
69) o-Xylene	11.92	106	75192	19.841	ug/l	96
70) Styrene	11.94	104	123218	19.673	ug/l	99
71) Bromoform	12.10	173	31297	19.764	ug/l #	97
73) Isopropylbenzene	12.22	105	200660	19.947	ug/l	99
74) N-amyl acetate	12.05	43	98253	20.067	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	68275	20.185	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	65555m	20.552	ug/l	
77) Bromobenzene	12.50	156	45505	19.897	ug/l	98
78) n-propylbenzene	12.57	91	233580	19.878	ug/l	100
79) 2-Chlorotoluene	12.65	91	139603	19.575	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	167268	20.283	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	22513	18.891	ug/l	98
82) 4-Chlorotoluene	12.75	91	143343	19.798	ug/l	99
83) tert-Butylbenzene	12.97	119	137883	19.702	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	159819	19.497	ug/l	98
85) sec-Butylbenzene	13.15	105	184775	19.925	ug/l	100
86) p-Isopropyltoluene	13.27	119	158721	19.830	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	78166	19.812	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	78531	19.345	ug/l	98
89) n-Butylbenzene	13.59	91	131054	18.544	ug/l	100
90) Hexachloroethane	13.85	117	30560	19.410	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	76950	20.172	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	12517	20.278	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	33911	19.877	ug/l	98
94) Hexachlorobutadiene	14.98	225	20620	20.359	ug/l	99
95) Naphthalene	15.10	128	94133	20.384	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	34578	18.970	ug/l	97

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

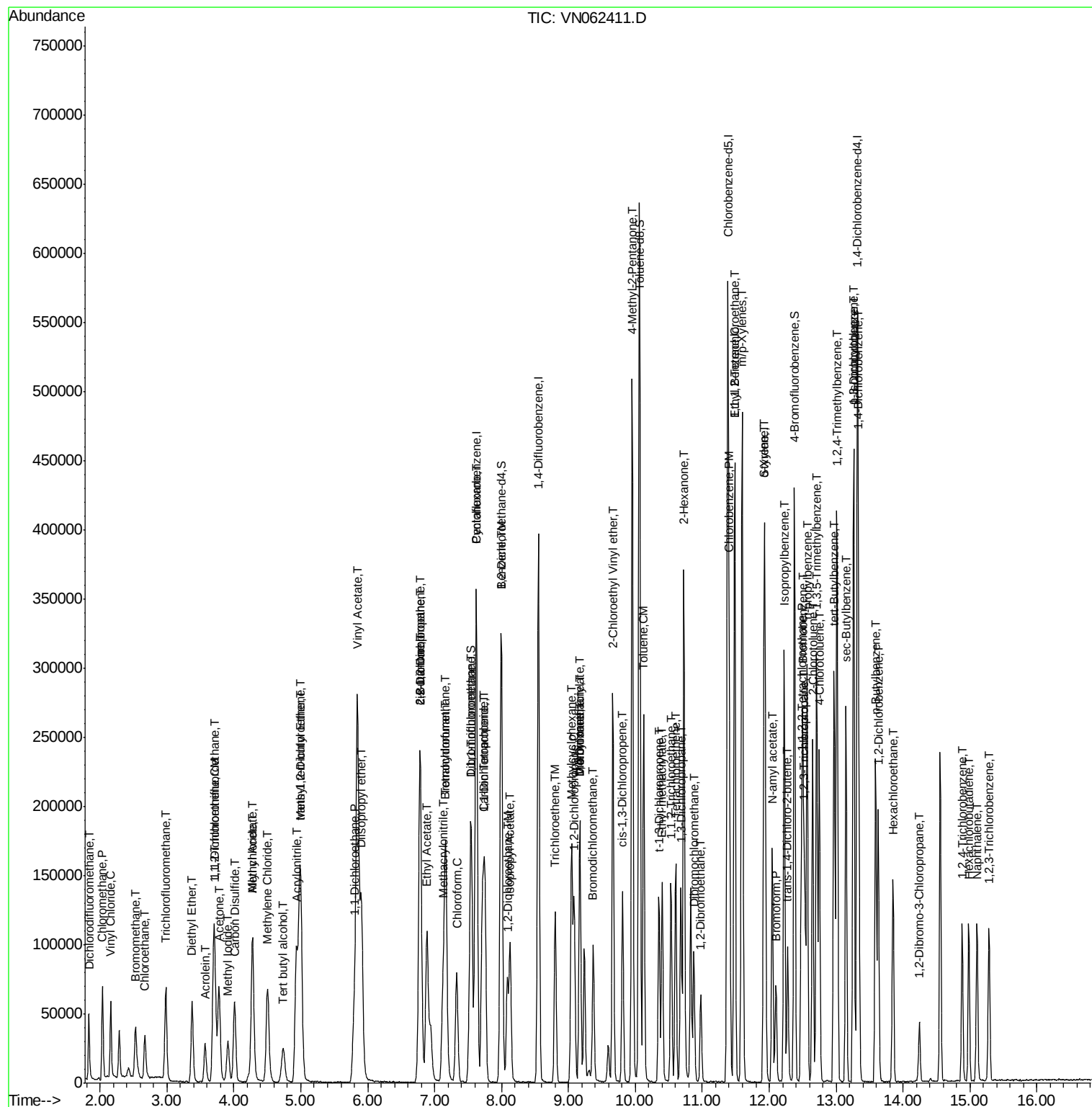
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Data File : VN062411.D
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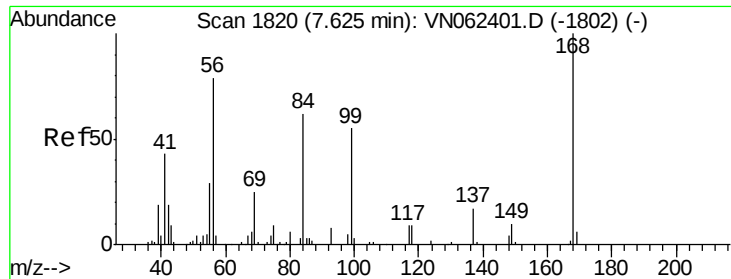
Instrument :
MSVOA_N
Client Sample Id :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

VN0708WBSD01

Tot Ion:168 Resp: 193701

Ion Ratio Lower Upper

168 100

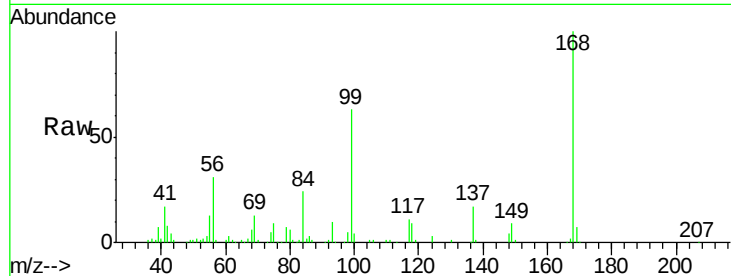
99 62.4 48.8 73.2

Manual Integrations

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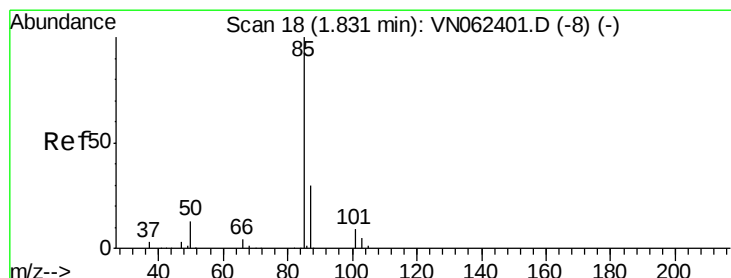
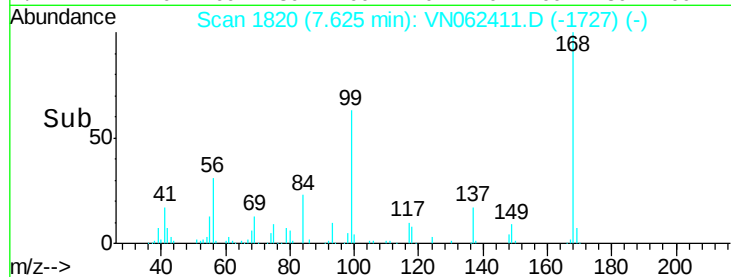
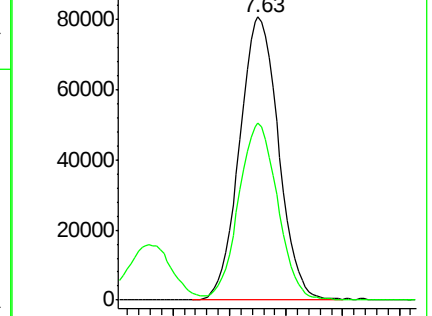
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 18.983 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN062411.D

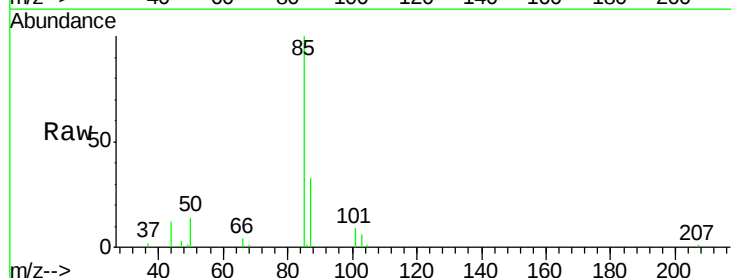
Acq: 8 Jul 2020 16:38

Tgt Ion: 85 Resp: 37454

Ion Ratio Lower Upper

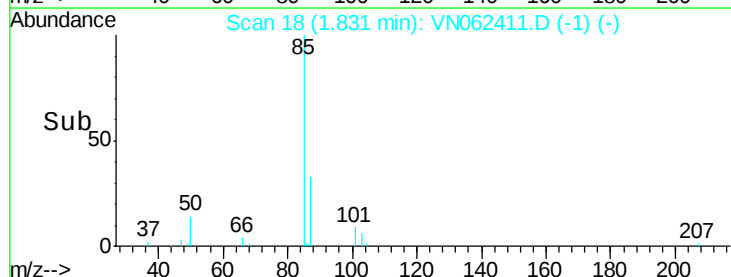
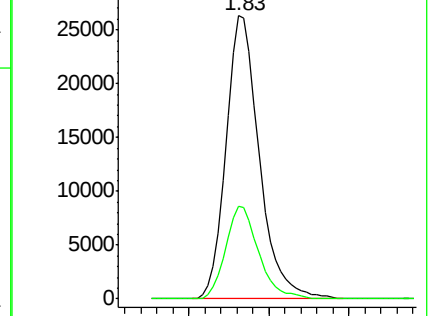
85 100

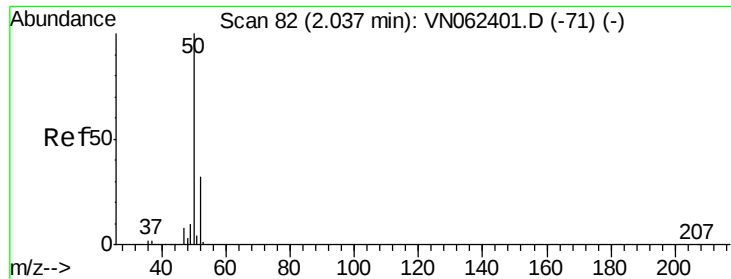
87 32.8 15.2 45.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 18.435 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

VN0708WBSD01

Tot Ion: 50 Resp: 58362

Ion Ratio Lower Upper

50 100

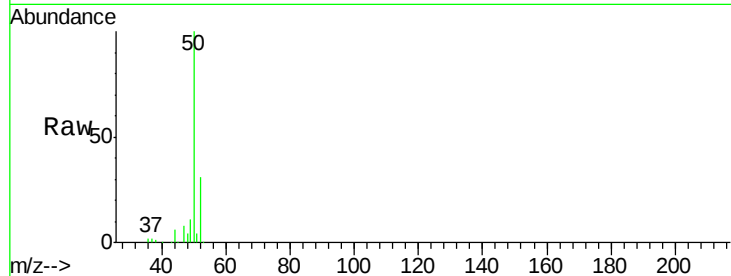
52 30.9 25.5 38.3

Manual Integrations

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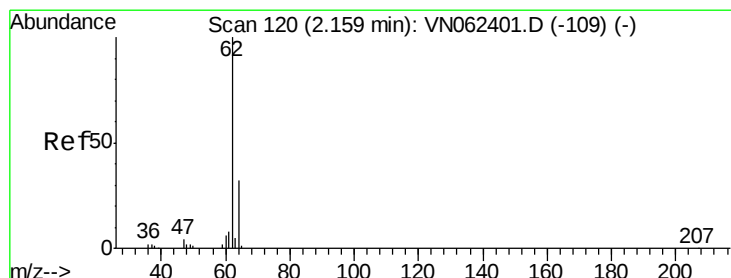
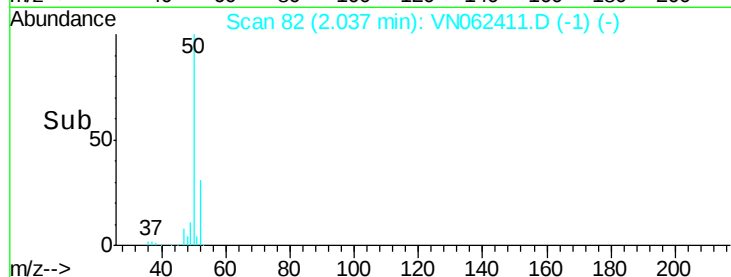
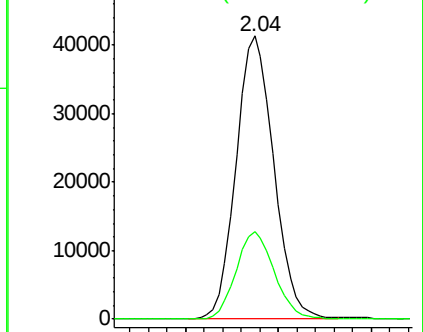
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 18.974 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062411.D

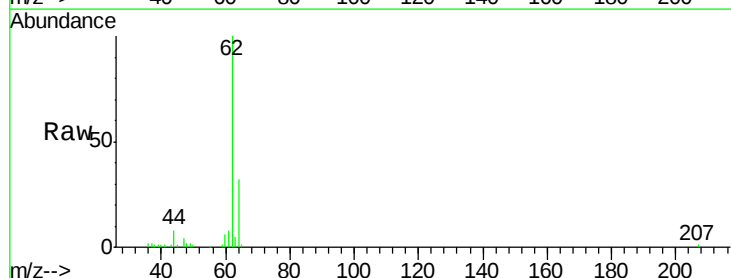
Acq: 8 Jul 2020 16:38

Tgt Ion: 62 Resp: 49214

Ion Ratio Lower Upper

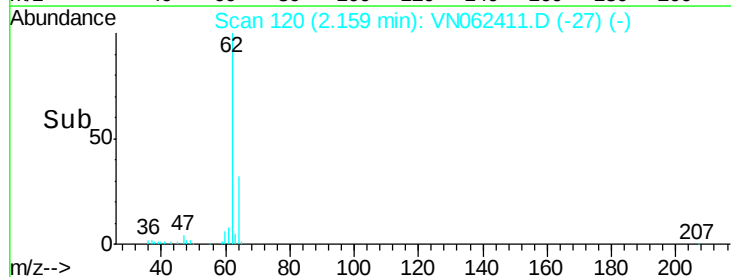
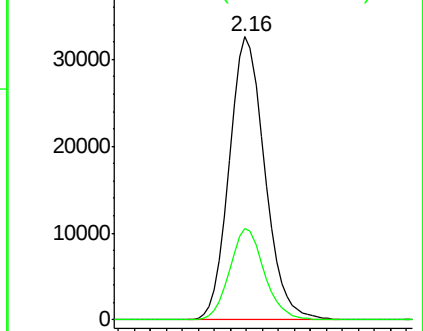
62 100

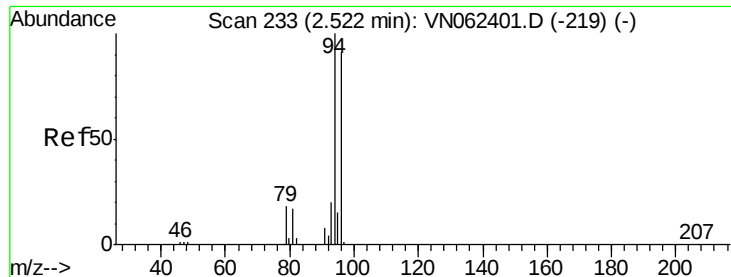
64 32.4 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 19.878 ug/l

RT: 2.53 min Scan# 235

Delta R.T. 0.01 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

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Tot Ion: 94 Resp: 27690

Ion Ratio Lower Upper

94 100

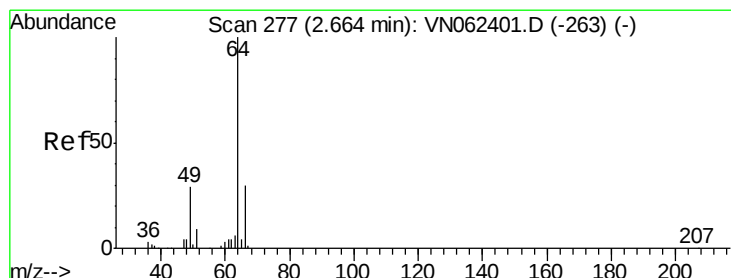
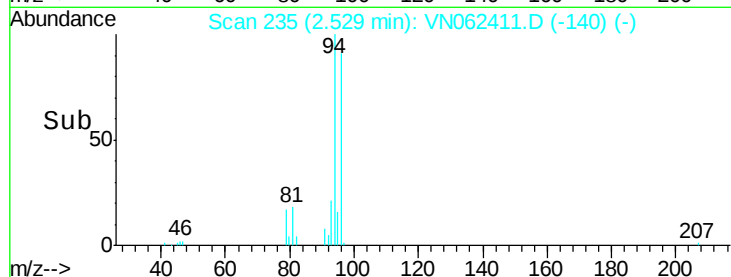
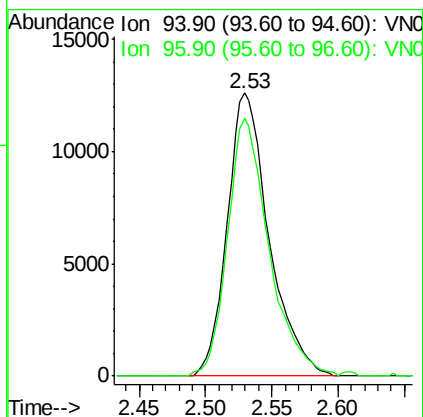
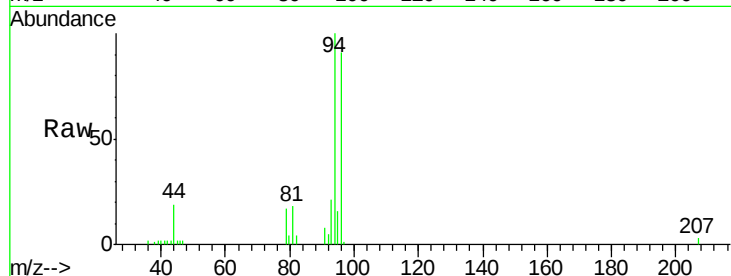
96 91.0 73.2 109.8

Manual Integrations

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#6

Chloroethane

Concen: 19.276 ug/l

RT: 2.67 min Scan# 279

Delta R.T. 0.01 min

Lab File: VN062411.D

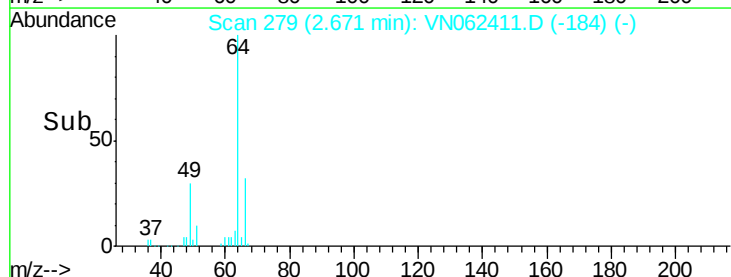
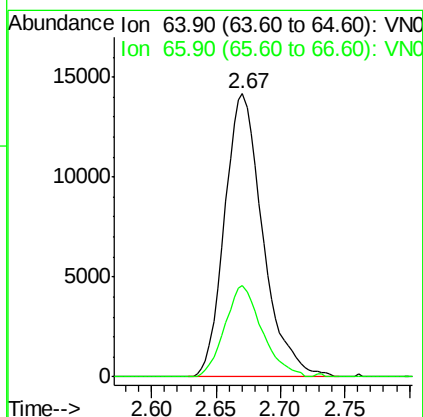
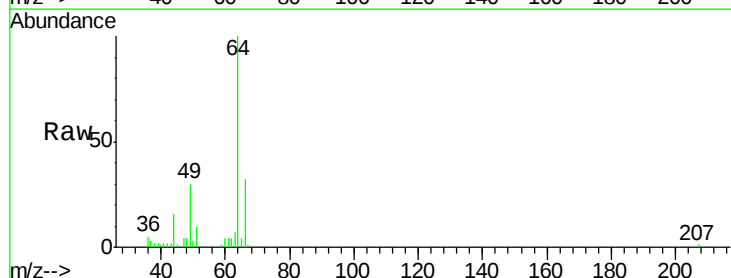
Acq: 8 Jul 2020 16:38

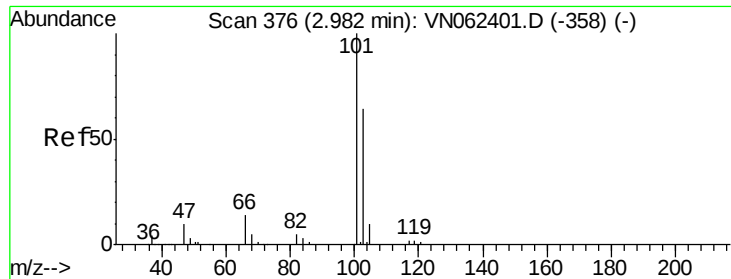
Tgt Ion: 64 Resp: 29119

Ion Ratio Lower Upper

64 100

66 32.1 24.2 36.2





#7

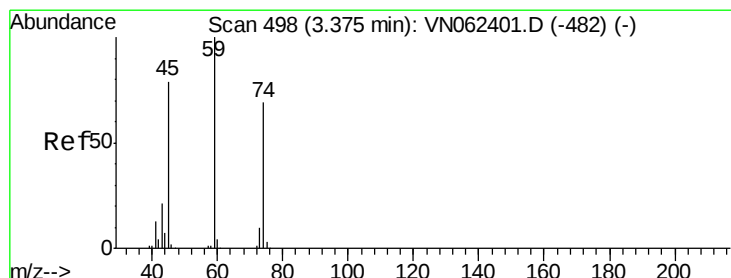
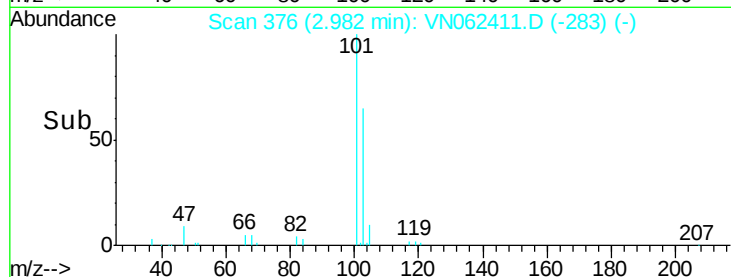
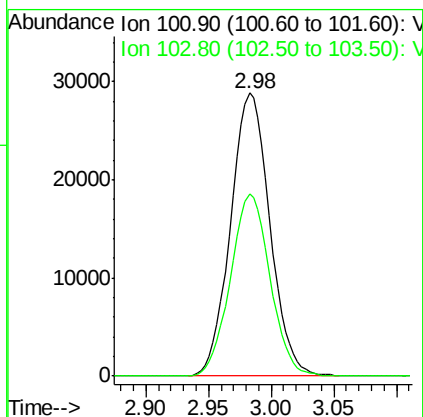
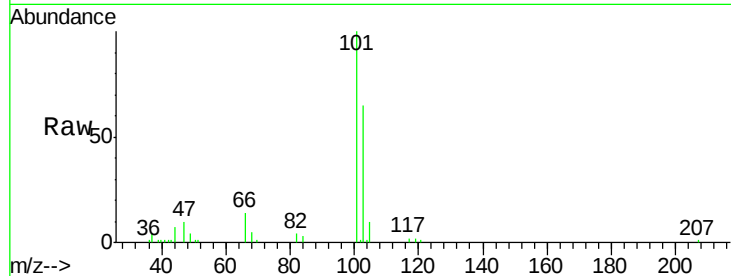
Trichlorofluoromethane
 Concen: 19.071 ug/l
 RT: 2.98 min Scan# 376
 Delta R.T. 0.00 min
 Lab File: VN062411.D
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Instrument :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		62821		
103	64.5	51.6	77.4		

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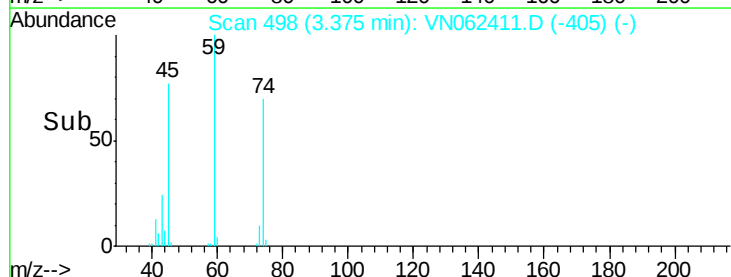
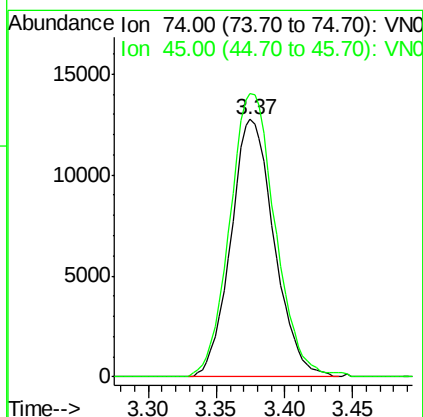
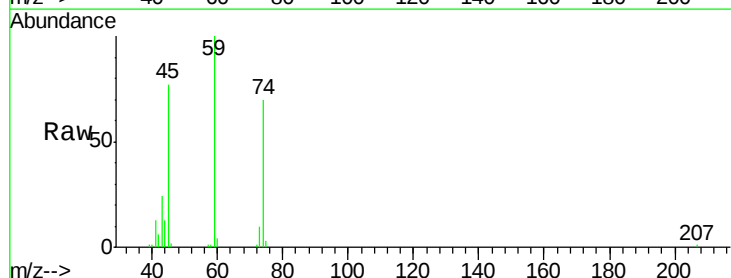
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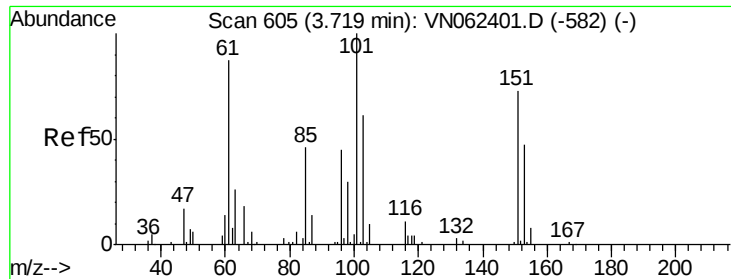


#8

Diethyl Ether
 Concen: 19.110 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: VN062411.D
 Acq: 8 Jul 2020 16:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		28149		
45	115.2	58.5	175.3		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.311 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

Instrument :

MSVOA_N

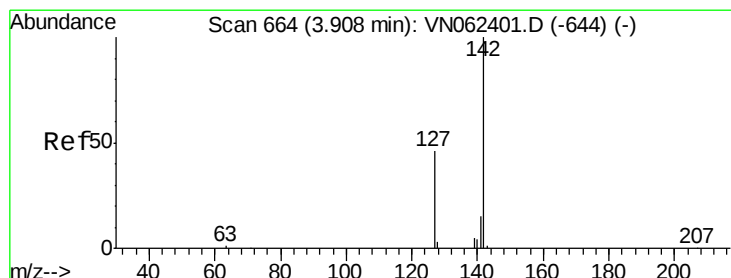
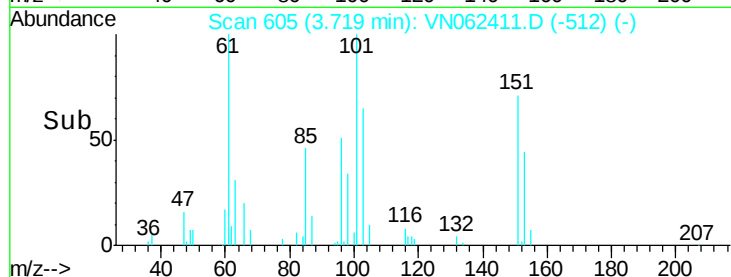
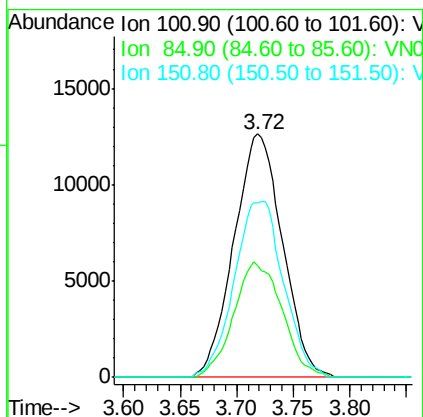
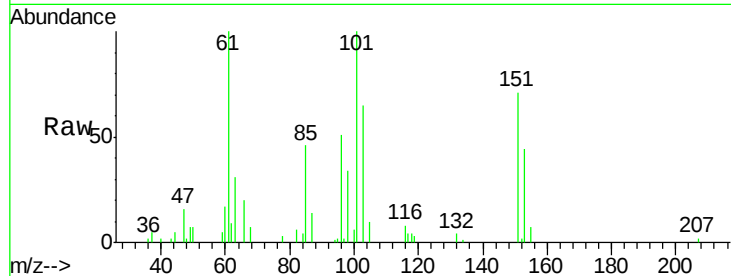
ClientSampleId :

VN0708WBSD01

Tot Ion:	101	Resp:	37709
Ion Ratio	Lower	Upper	
101	100		
85	47.3	36.7	55.1
151	73.3	58.3	87.5

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#10

Methyl Iodide

Concen: 18.478 ug/l

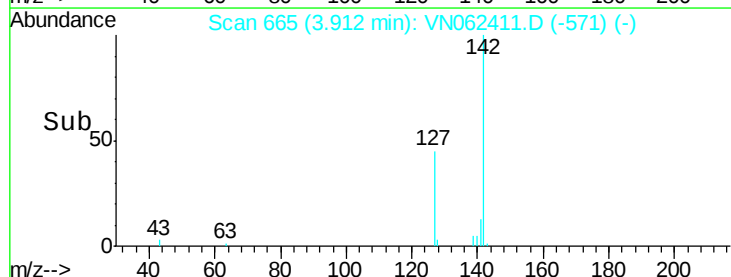
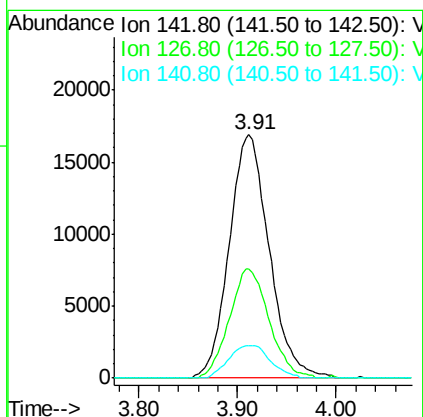
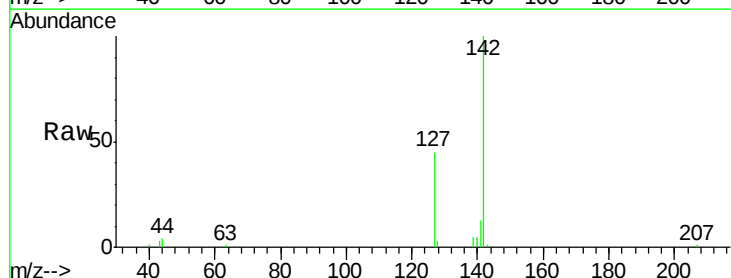
RT: 3.91 min Scan# 665

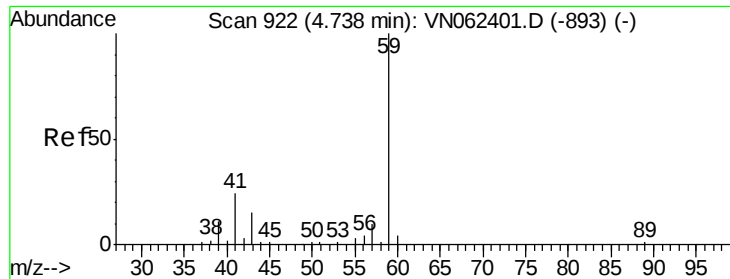
Delta R.T. 0.00 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

Tgt Ion:	142	Resp:	47644
Ion Ratio	Lower	Upper	
142	100		
127	44.5	36.1	54.1
141	13.9	11.4	17.0





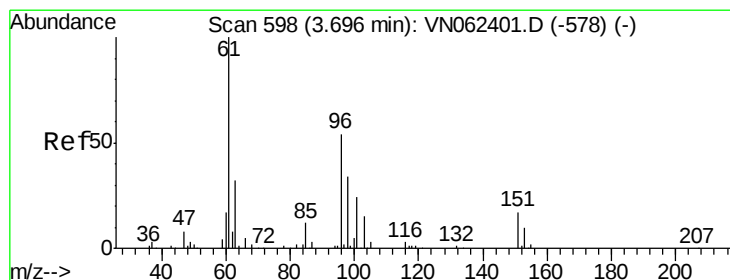
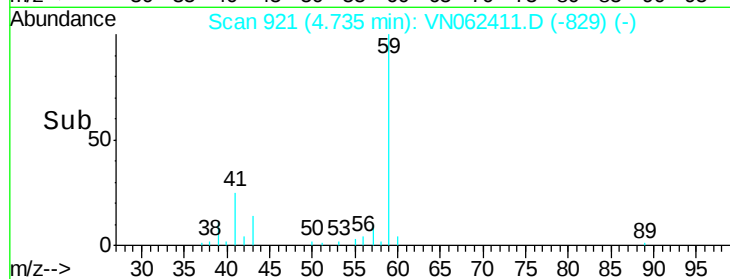
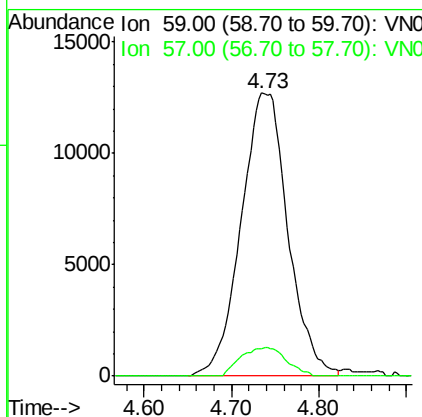
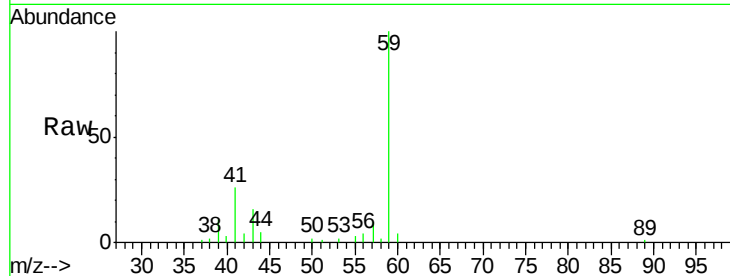
#11
Tert butyl alcohol
Concen: 95.420 ug/l
RT: 4.73 min Scan# 921
Delta R.T. -0.00 min
Lab File: VN062411.D
Acq: 8 Jul 2020 16:38

Instrument :
MSVOA_N
ClientSampleId :
VN0708WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	7.8	11.6

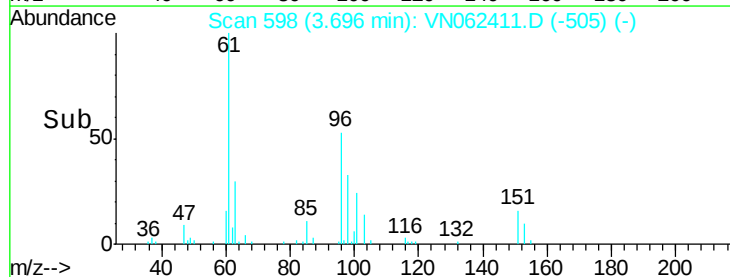
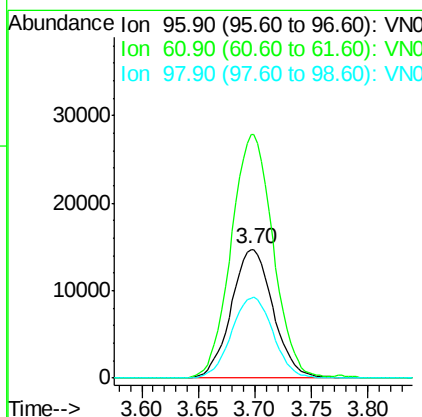
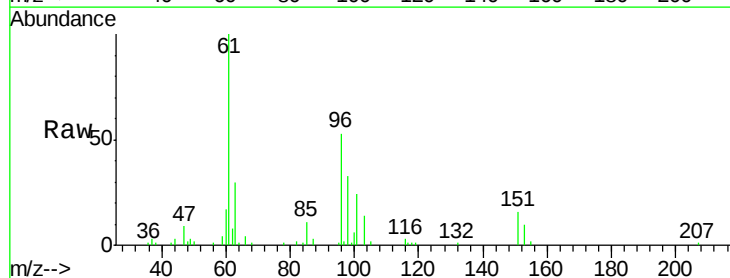
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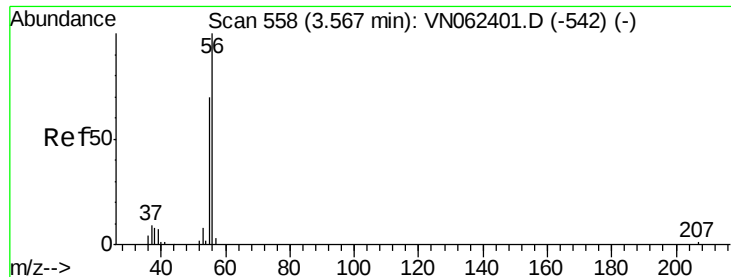
MMDadoda
7/9/2020 10:55:10 AM



#12
1,1-Dichloroethene
Concen: 19.058 ug/l
RT: 3.70 min Scan# 598
Delta R.T. 0.00 min
Lab File: VN062411.D
Acq: 8 Jul 2020 16:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	188.7	147.4	221.0
98	62.3	50.4	75.6





#13

Acrolein

Concen: 87.554 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

VN0708WBSD01

Tot Ion: 56 Resp: 31215

Ion Ratio Lower Upper

56 100

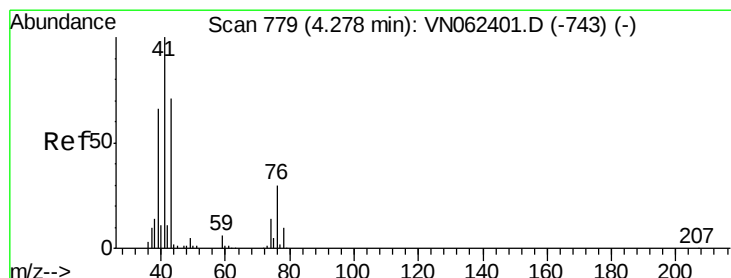
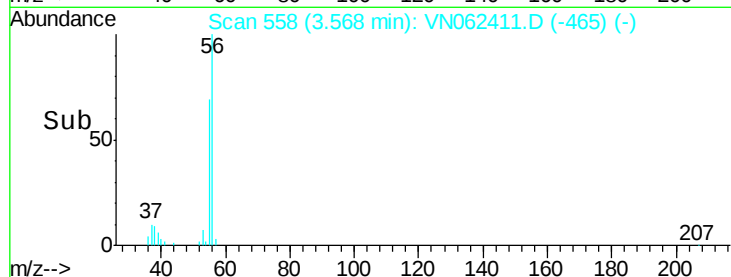
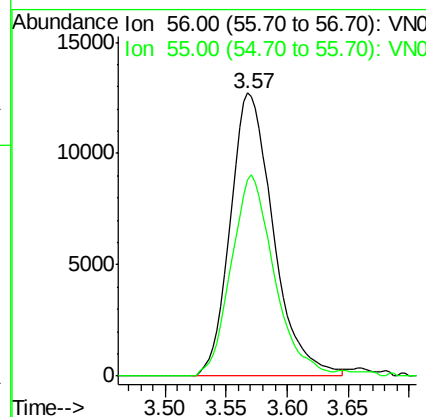
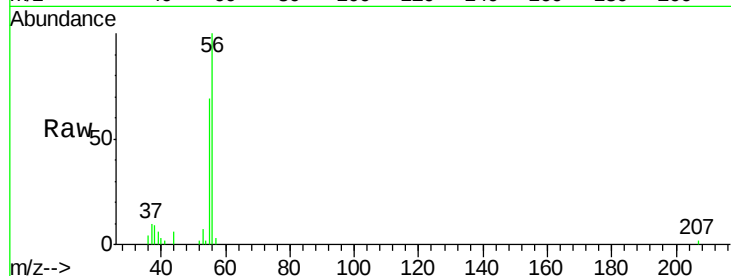
55 70.8 57.2 85.8

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#14

Allyl chloride

Concen: 19.250 ug/l

RT: 4.28 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

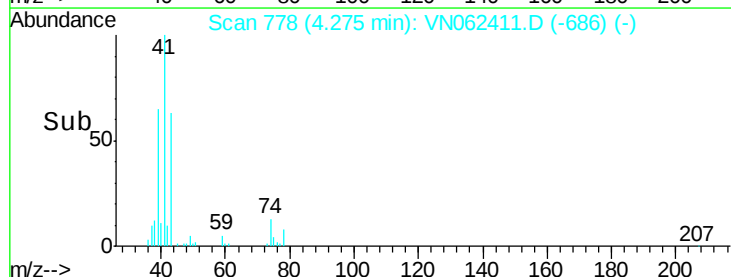
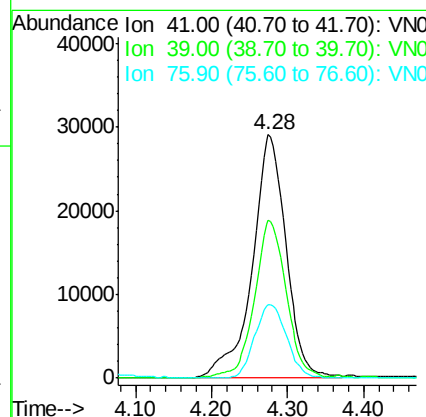
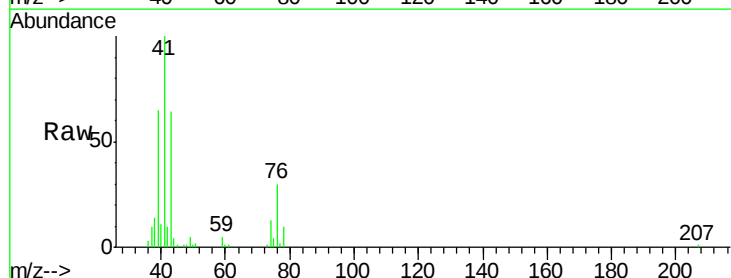
Tgt Ion: 41 Resp: 90008

Ion Ratio Lower Upper

41 100

39 61.2 49.6 74.4

76 28.5 22.2 33.4





#15

Acrylonitrile

Concen: 98.562 ug/l

RT: 4.93 min Scan# 983

Delta R.T. 0.00 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

Instrument :

MSVOA_N

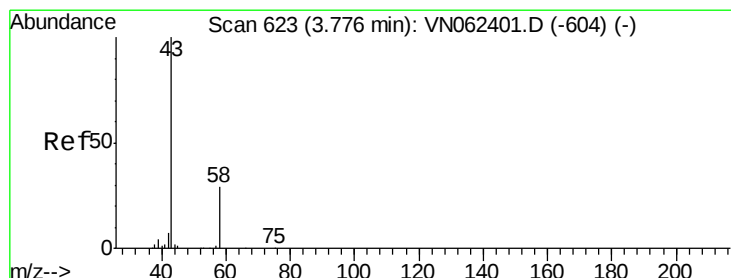
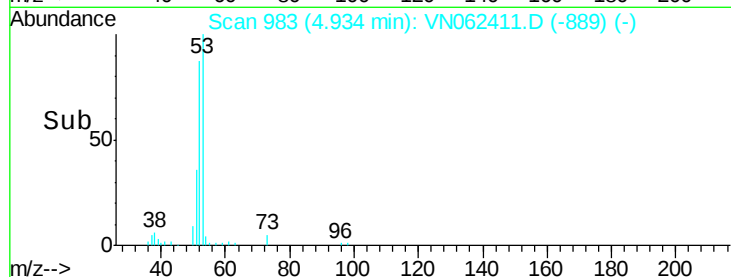
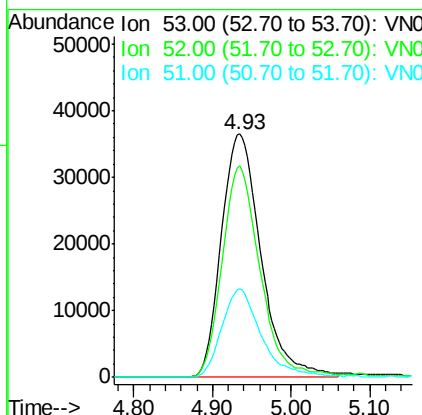
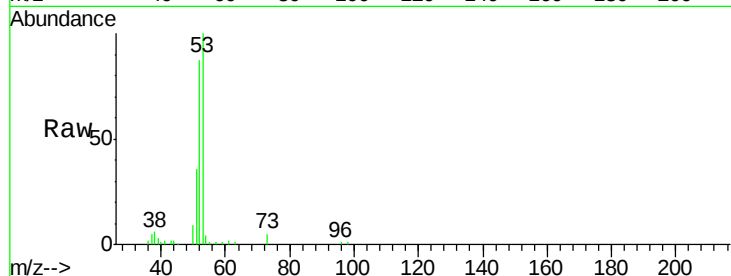
ClientSampleId :

VN0708WBSD01

Tot Ion:	53	Resp:	127755
Ion Ratio	Lower	Upper	
53	100		
52	82.8	66.2	99.4
51	36.1	28.7	43.1

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#16

Acetone

Concen: 90.345 ug/l

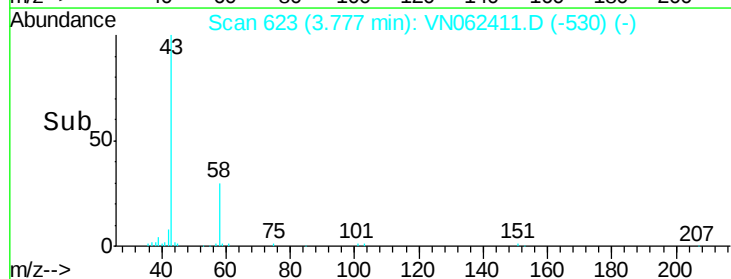
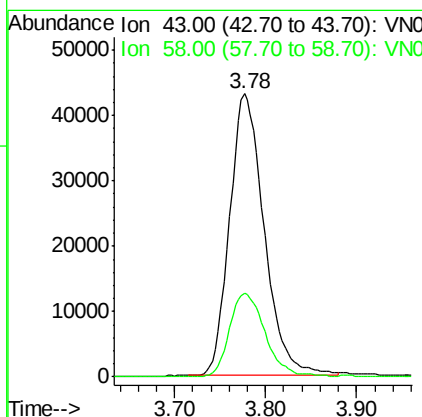
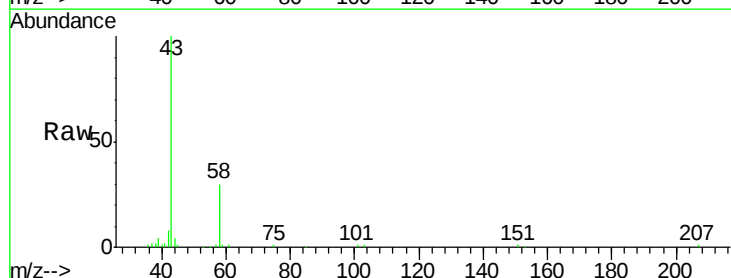
RT: 3.78 min Scan# 623

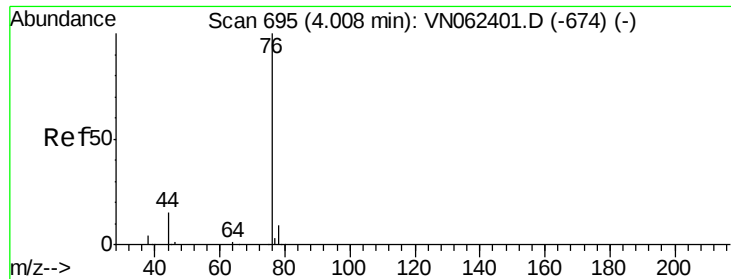
Delta R.T. 0.00 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

Tgt Ion:	43	Resp:	114278
Ion Ratio	Lower	Upper	
43	100		
58	29.7	23.5	35.3





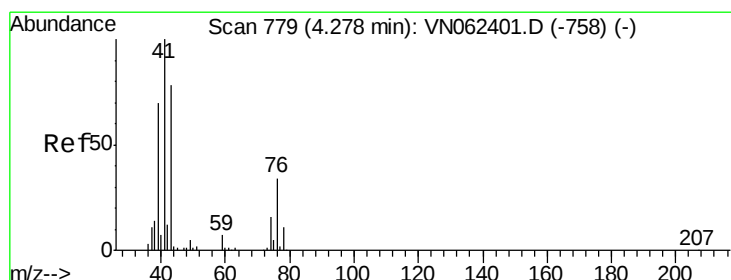
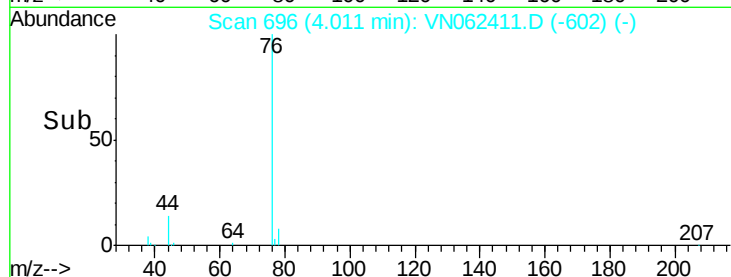
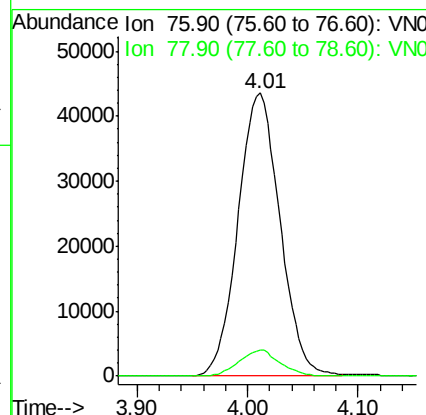
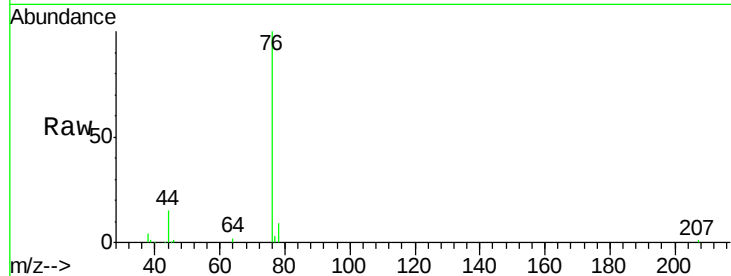
#17
Carbon Disulfide
Concen: 18.440 ug/l
RT: 4.01 min Scan# 696
Delta R.T. 0.00 min
Lab File: VN062411.D
Acq: 8 Jul 2020 16:38

Instrument :
MSVOA_N
ClientSampleId :
VN0708WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.3	10.9

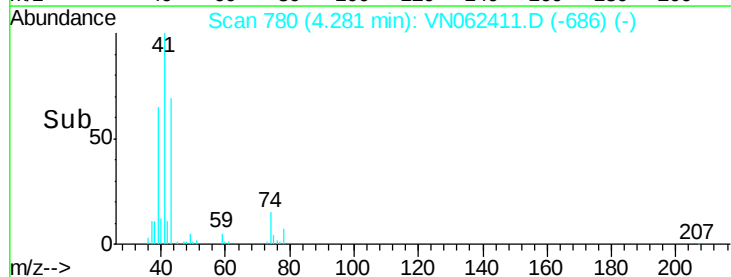
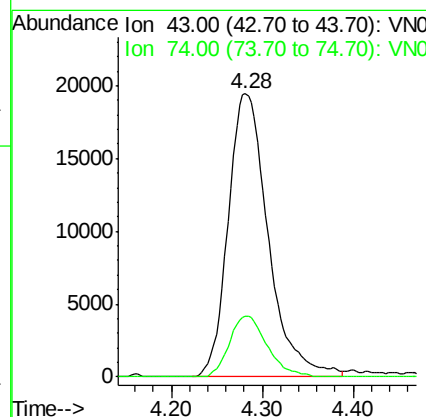
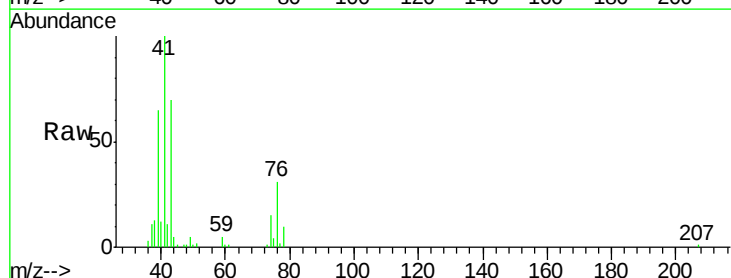
Manual Integrations
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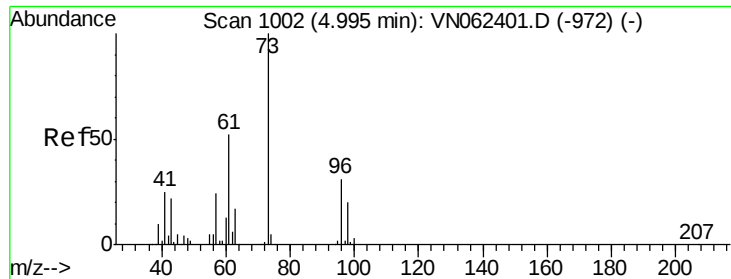
MMDadoda
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#18
Methyl Acetate
Concen: 18.871 ug/l
RT: 4.28 min Scan# 780
Delta R.T. 0.00 min
Lab File: VN062411.D
Acq: 8 Jul 2020 16:38

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.1	16.0	24.0





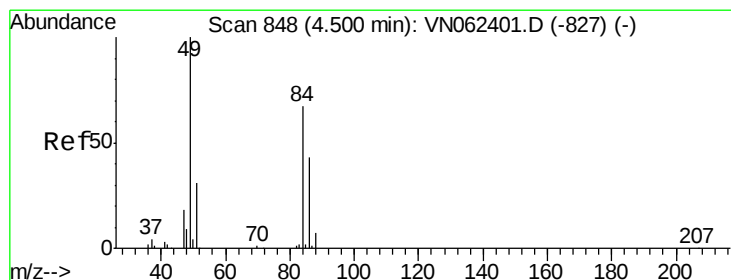
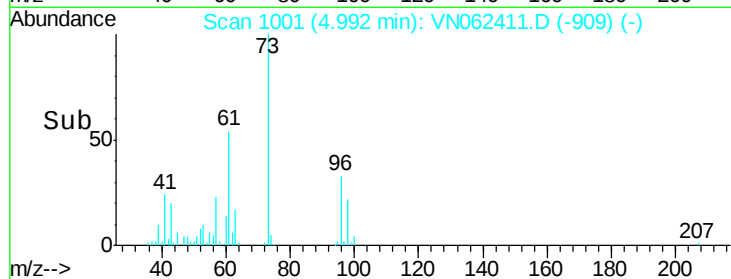
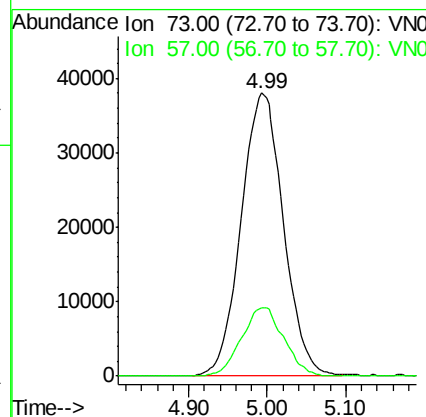
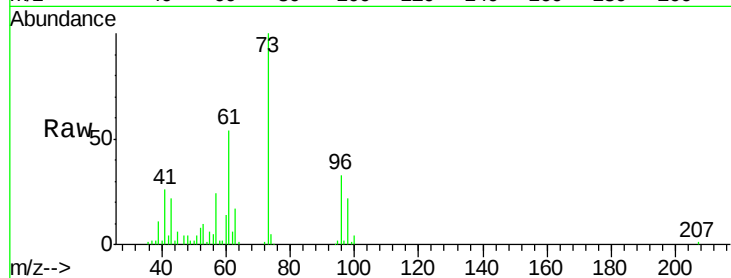
#19
Methvl tert-butvl Ether
Concen: 19.065 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VN062411.D
Acq: 8 Jul 2020 16:38

Instrument :
MSVOA_N
ClientSampleId :
VN0708WBSD01

Tot Ion: 73 Resp: 143704
Ion Ratio Lower Upper
73 100
57 24.0 19.4 29.0

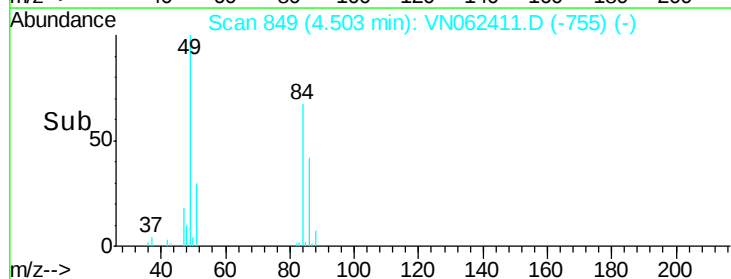
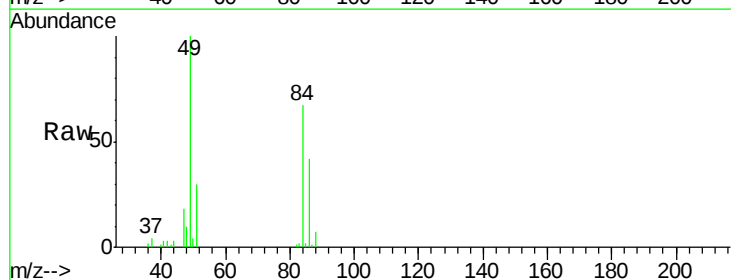
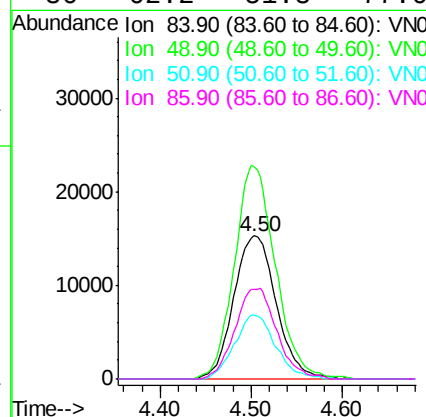
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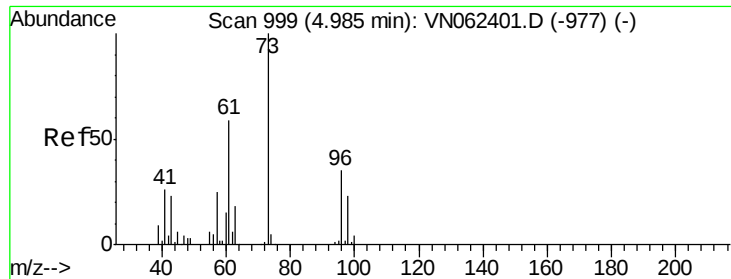
MMDadoda
7/9/2020 10:55:10 AM



#20
Methylene Chloride
Concen: 18.349 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN062411.D
Acq: 8 Jul 2020 16:38

Tgt Ion: 84 Resp: 49626
Ion Ratio Lower Upper
84 100
49 148.4 120.0 180.0
51 44.5 37.0 55.6
86 62.2 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 19.088 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

Instrument :

MSVOA_N

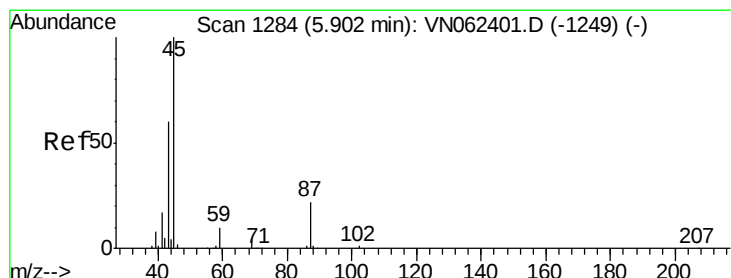
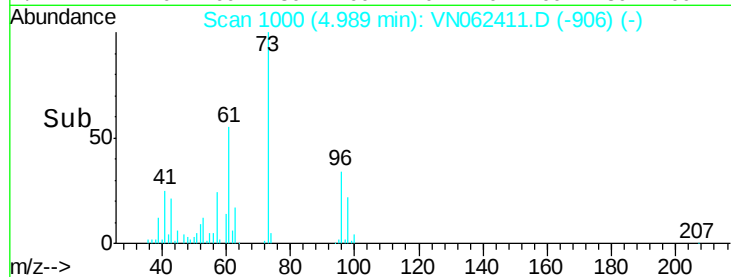
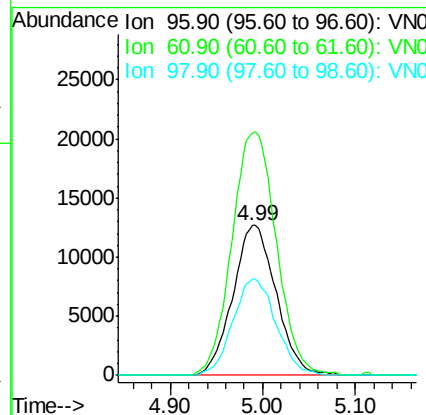
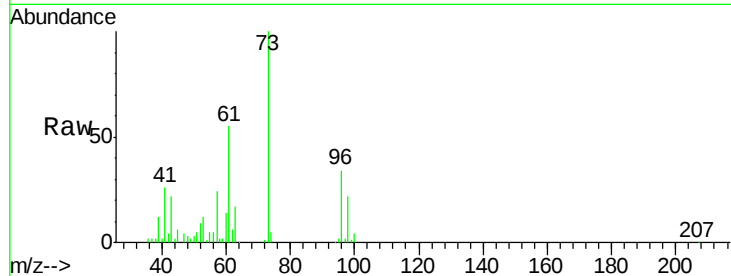
ClientSampleId :

VN0708WBSD01

Tot Ion:	96	Resp:	41114
Ion	Ratio	Lower	Upper
96	100		
61	161.9	133.5	200.3
98	64.6	51.9	77.9

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



#22

Diisopropyl ether

Concen: 19.771 ug/l

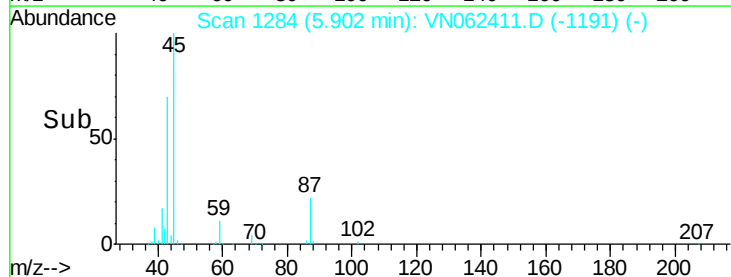
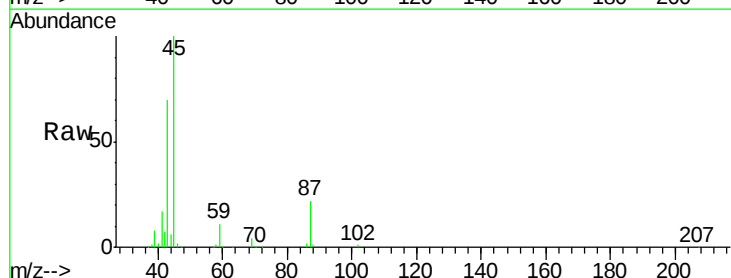
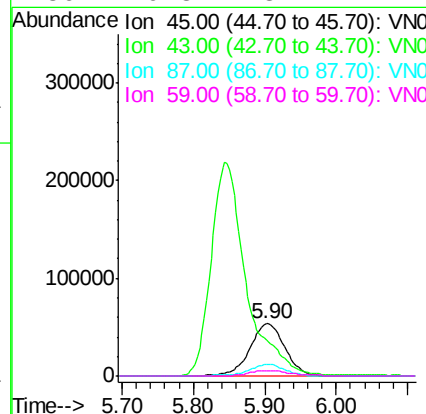
RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

Tgt Ion:	45	Resp:	182650
Ion	Ratio	Lower	Upper
45	100		
43	67.6	50.1	75.1
87	21.8	18.2	27.4
59	10.8	8.2	12.2





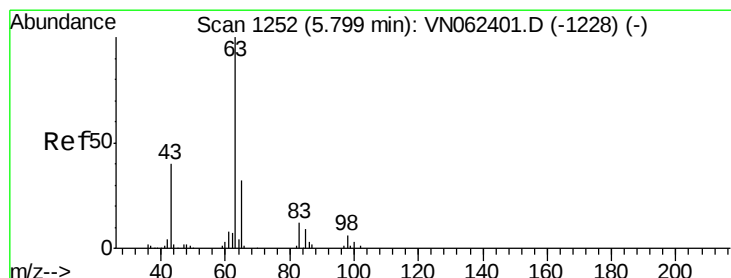
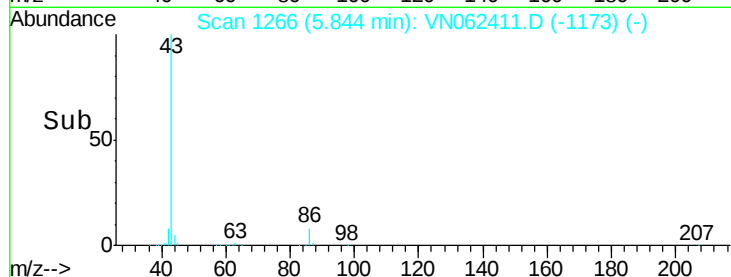
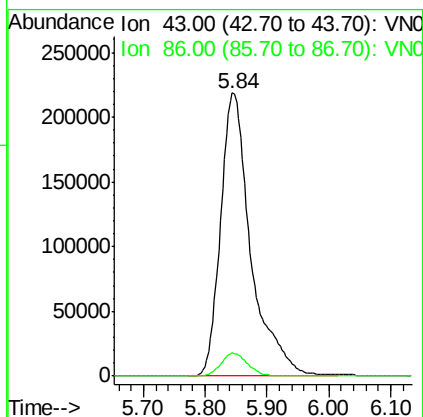
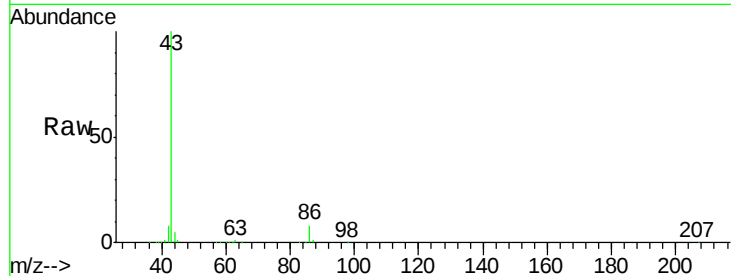
#23
 Vinyl Acetate
 Concen: 97.622 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VN062411.D
 Acq: 8 Jul 2020 16:38

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0708WBSD01

Tot Ion	43	Resp	747062
Ion Ratio	Lower	Upper	
43	100		
86	8.2	6.7	10.1

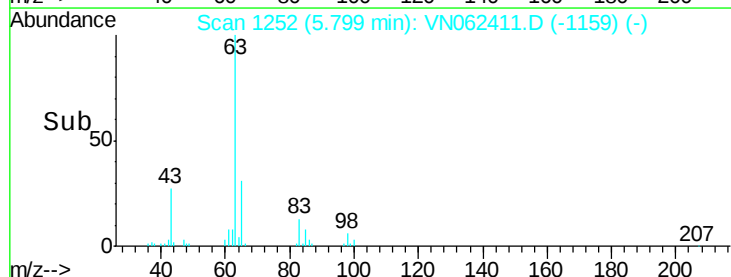
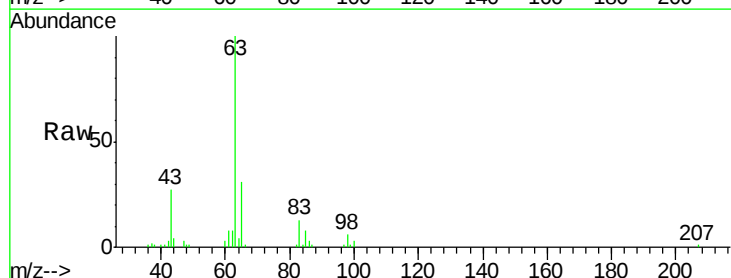
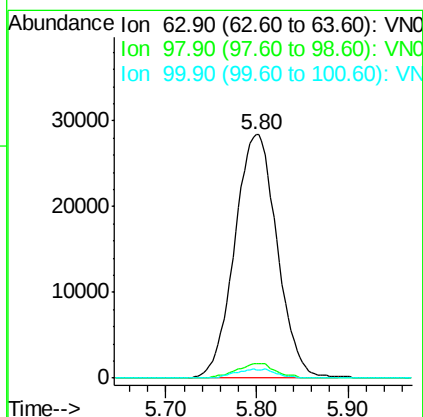
Manual Integrations
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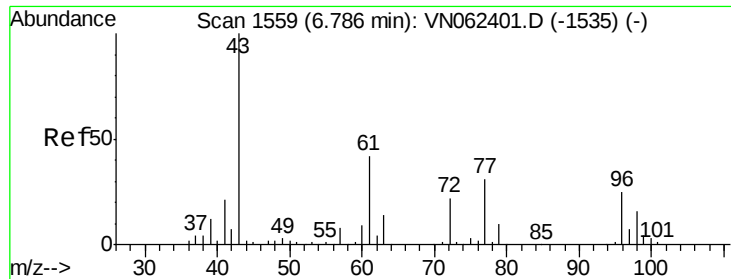
MMDadoda
 7/9/2020 10:55:10 AM



#24
 1,1-Dichloroethane
 Concen: 19.296 ug/l
 RT: 5.80 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VN062411.D
 Acq: 8 Jul 2020 16:38

Tgt Ion	63	Resp	92110
Ion Ratio	Lower	Upper	
63	100		
98	5.9	2.9	8.8
100	3.3	1.8	5.3





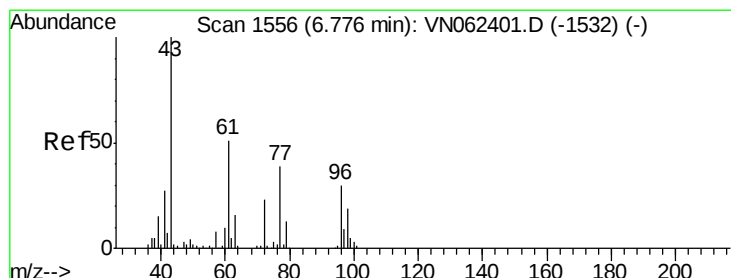
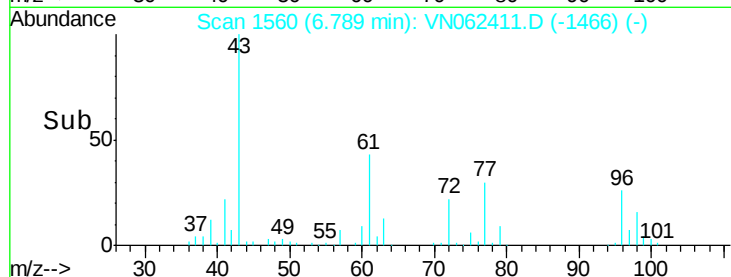
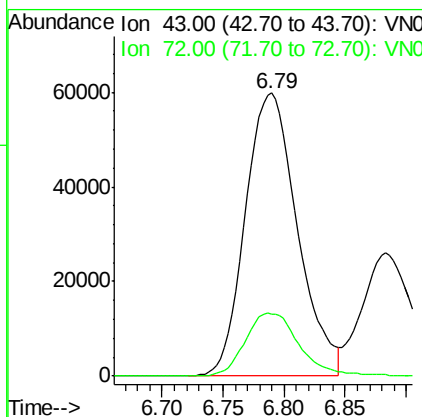
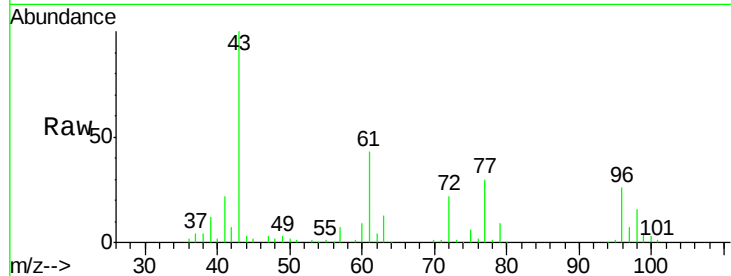
#25
2-Butanone
Concen: 95.279 ug/l
RT: 6.79 min Scan# 1560
Delta R.T. 0.00 min
Lab File: VN062411.D
Acq: 8 Jul 2020 16:38

Instrument :
MSVOA_N
ClientSampled :
VN0708WBSD01

Tot Ion: 43 Resp: 176010
Ion Ratio Lower Upper
43 100
72 22.0 17.9 26.9

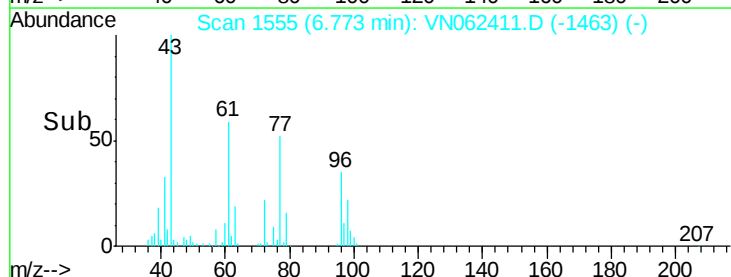
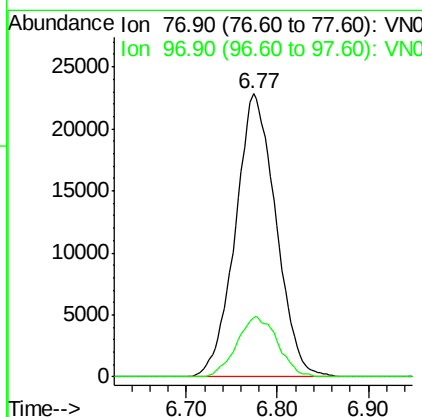
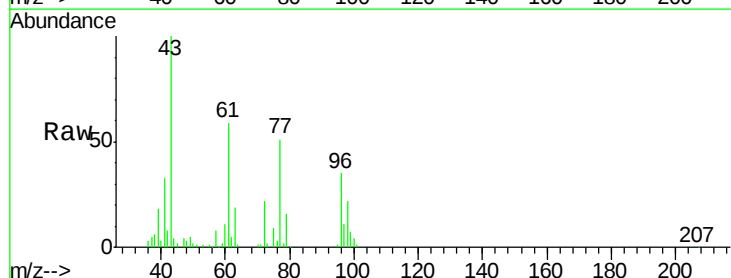
Manual Integrations
APPROVED

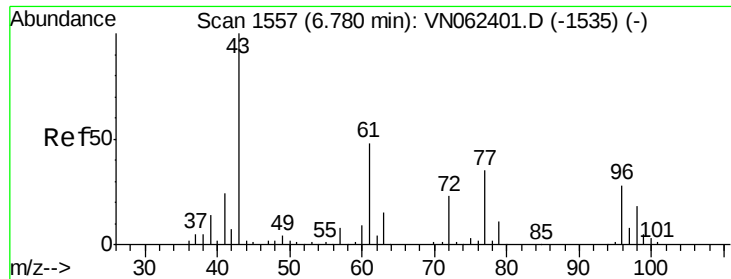
MMDadoda
7/9/2020 10:55:10 AM



#26
2,2-Dichloropropane
Concen: 19.306 ug/l
RT: 6.77 min Scan# 1555
Delta R.T. -0.00 min
Lab File: VN062411.D
Acq: 8 Jul 2020 16:38

Tgt Ion: 77 Resp: 70662
Ion Ratio Lower Upper
77 100
97 21.5 10.9 32.9





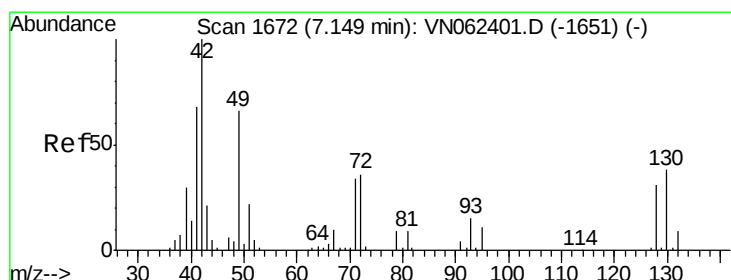
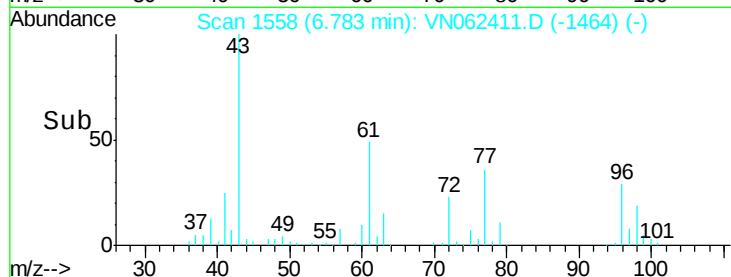
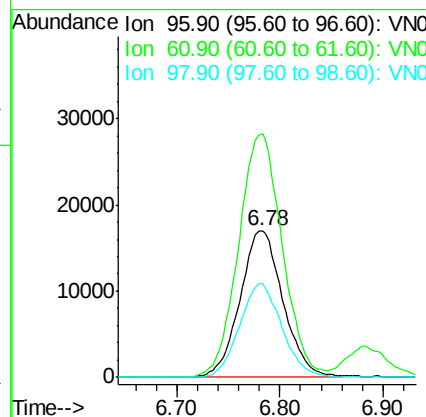
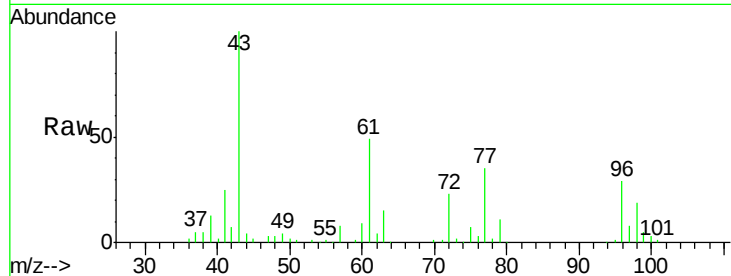
#27
 cis-1,2-Dichloroethene
 Concen: 19.713 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. 0.00 min
 Lab File: VN062411.D
 Acq: 8 Jul 2020 16:38

Instrument :
 MSVOA_N
 ClientSampled :
 VN0708WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	169.4	0.0	343.4	
98	62.9	0.0	128.4	

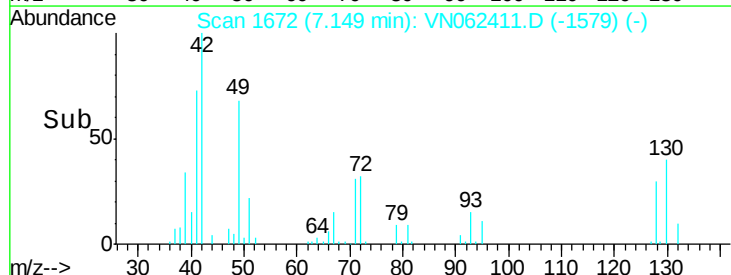
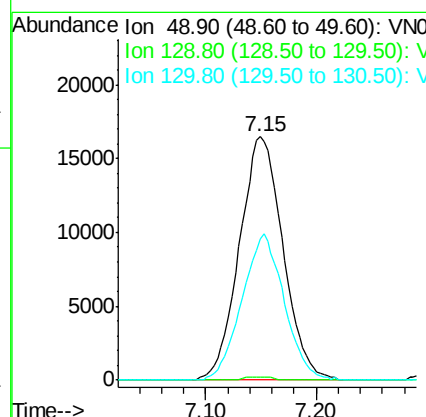
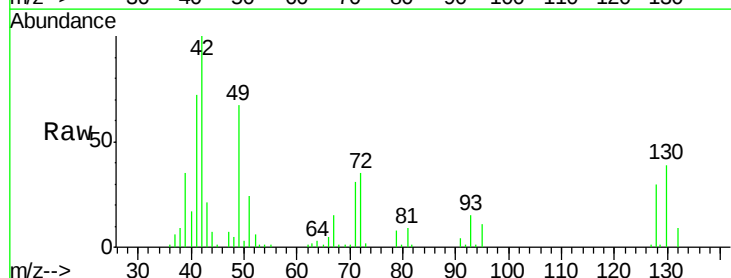
Manual Integrations
 APPROVED

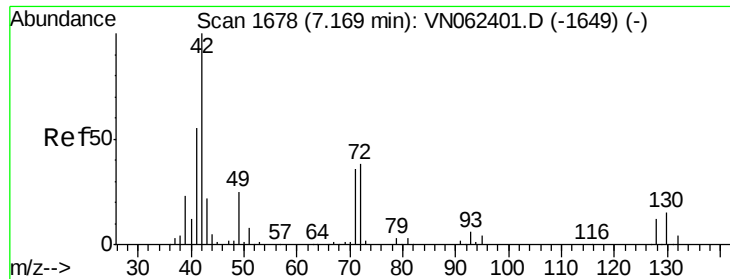
MMDadoda
 7/9/2020 10:55:10 AM



#28
 Bromochloromethane
 Concen: 17.378 ug/l
 RT: 7.15 min Scan# 1672
 Delta R.T. 0.00 min
 Lab File: VN062411.D
 Acq: 8 Jul 2020 16:38

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.4	0.0	2.8	
130	58.0	46.5	69.7	





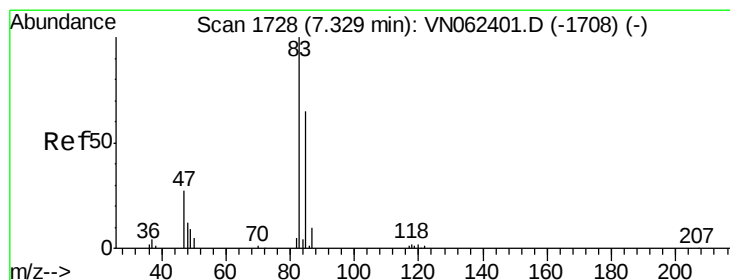
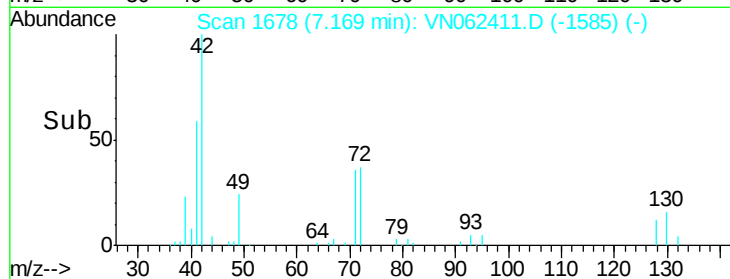
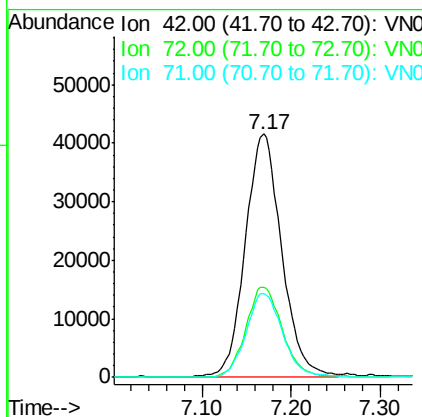
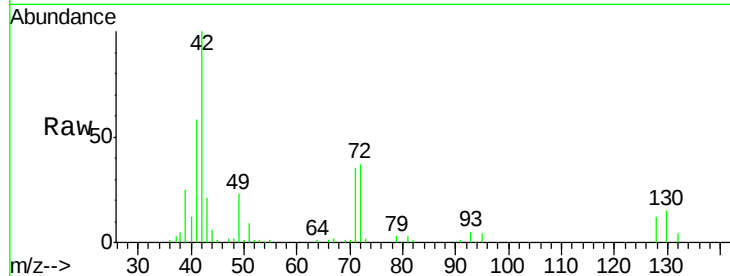
#29
Tetrahydrofuran
Concen: 95.443 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN062411.D
Acq: 8 Jul 2020 16:38

Instrument :
MSVOA_N
ClientSampleId :
VN0708WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.7	29.1	43.7
71	34.5	28.1	42.1

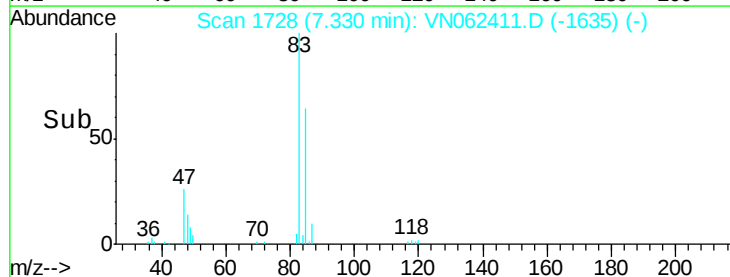
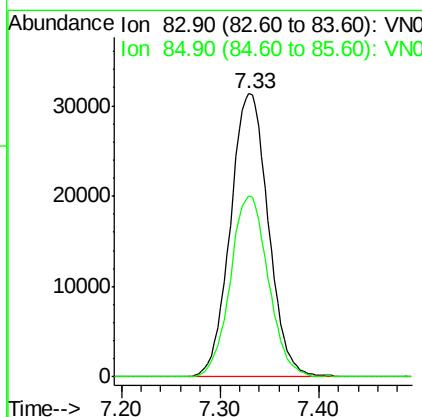
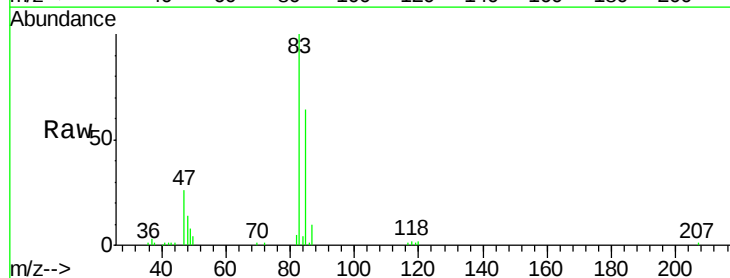
Manual Integrations
APPROVED

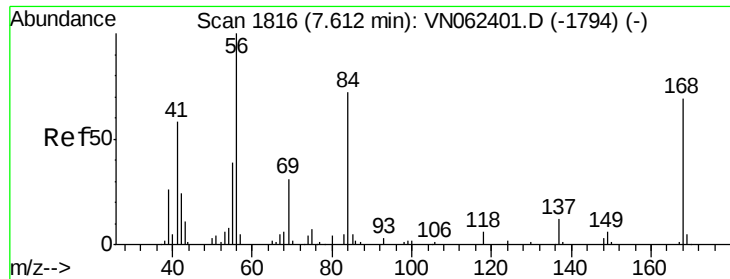
MMDadoda
7/9/2020 10:55:10 AM



#30
Chloroform
Concen: 19.417 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN062411.D
Acq: 8 Jul 2020 16:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.8	77.6





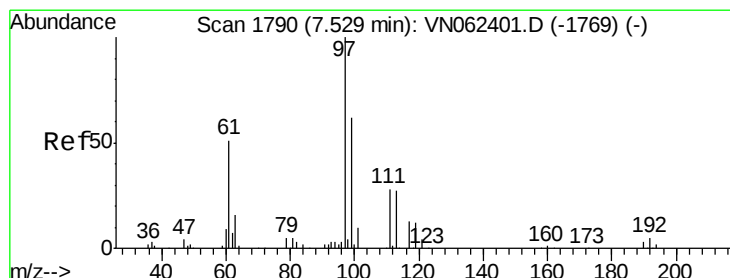
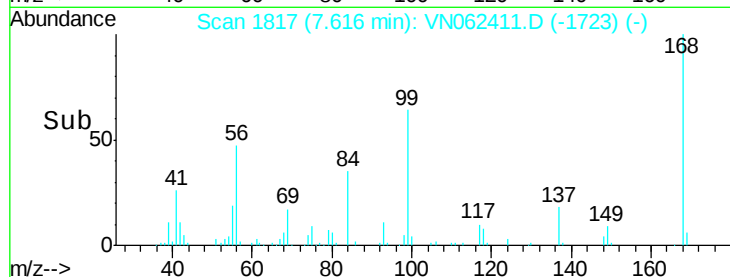
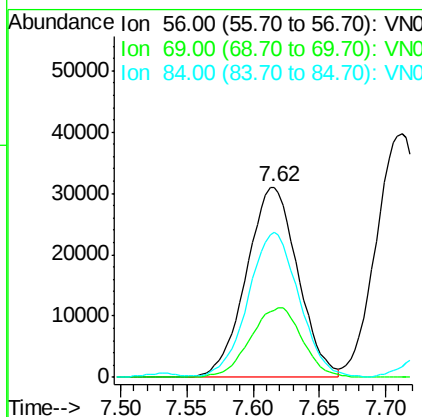
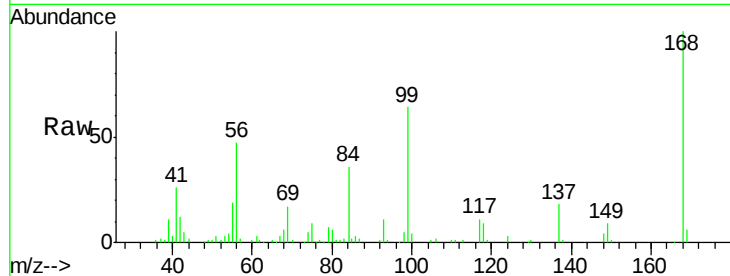
#31
Cyclohexane
Concen: 18.459 ug/l
RT: 7.62 min Scan# 1817
Delta R.T. 0.00 min
Lab File: VN062411.D
Acq: 8 Jul 2020 16:38

Instrument :
MSVOA_N
ClientSampleId :
VN0708WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.1	24.5	36.7
84	75.6	57.4	86.2

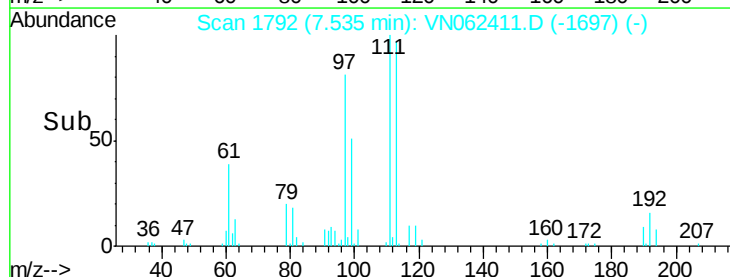
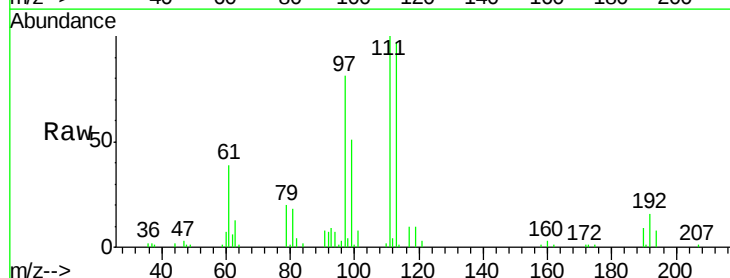
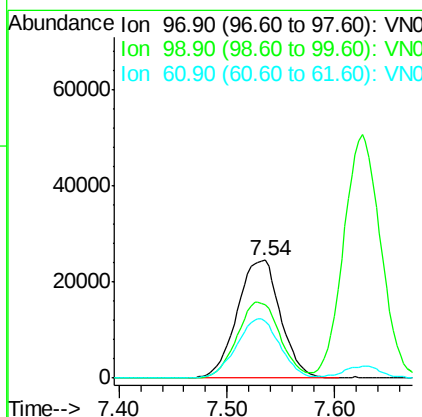
Manual Integrations
APPROVED

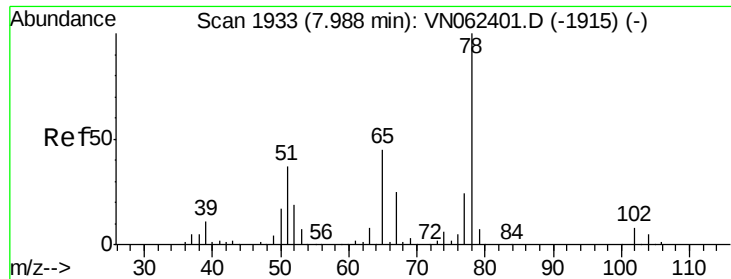
MMDadoda
7/9/2020 10:55:10 AM



#32
1,1,1-Trichloroethane
Concen: 19.075 ug/l
RT: 7.54 min Scan# 1792
Delta R.T. 0.01 min
Lab File: VN062411.D
Acq: 8 Jul 2020 16:38

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	50.4	75.6
61	50.2	39.9	59.9





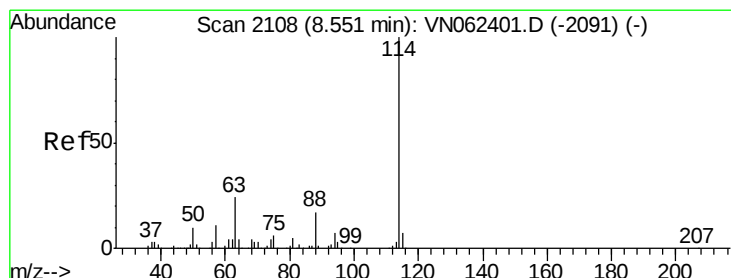
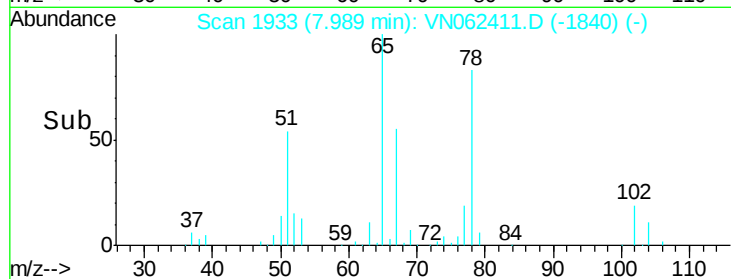
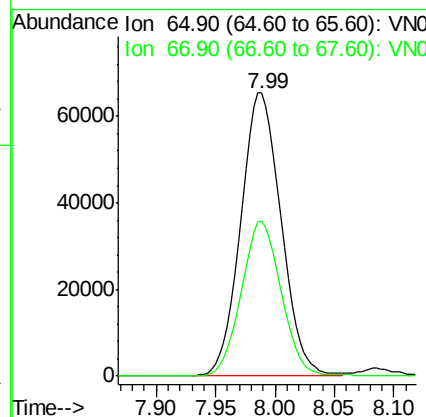
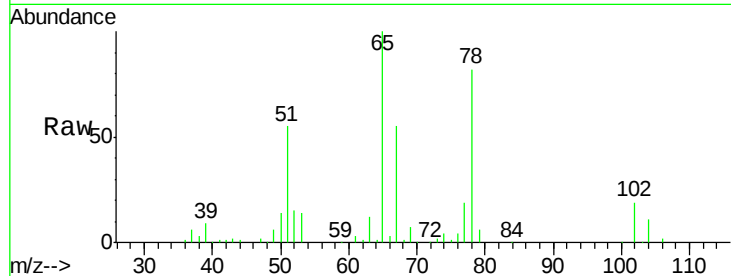
#33
 1,2-Dichloroethane-d4
 Concen: 51.647 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062411.D
 Acq: 8 Jul 2020 16:38

Instrument :
 MSVOA_N
 ClientSampled :
 VN0708WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.1	0.0	107.6	

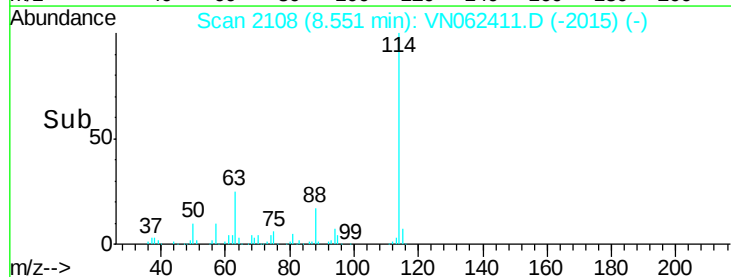
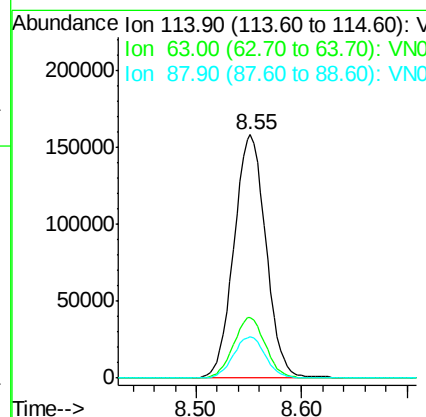
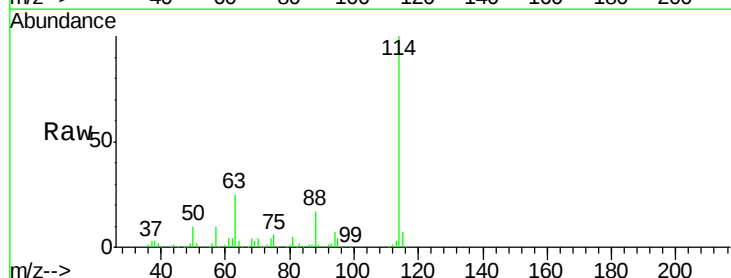
Manual Integrations
 APPROVED

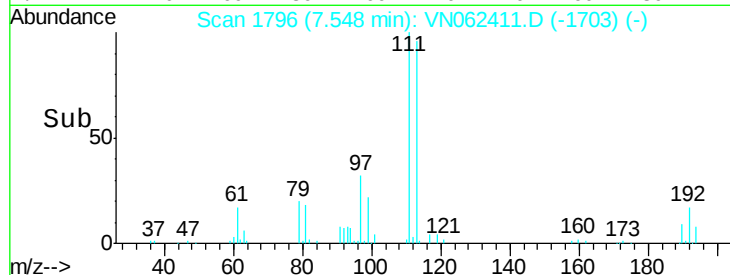
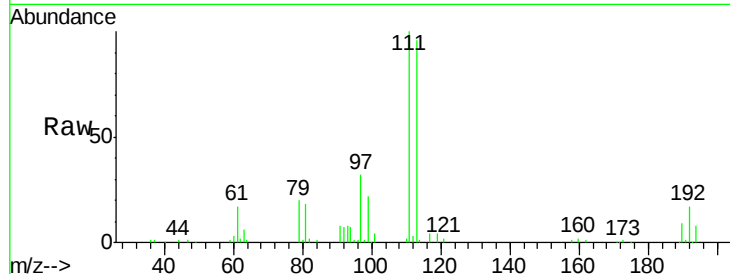
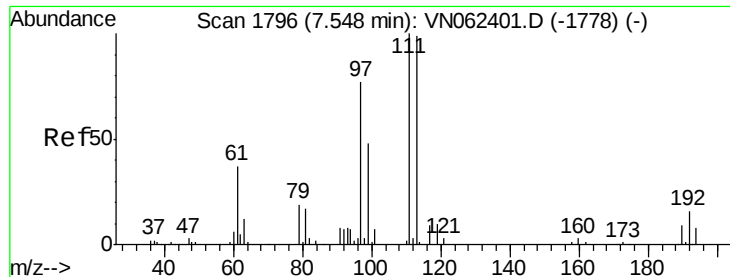
MMDadoda
 7/9/2020 10:55:10 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062411.D
 Acq: 8 Jul 2020 16:38

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	25.1	0.0	48.4	
88	16.9	0.0	33.8	





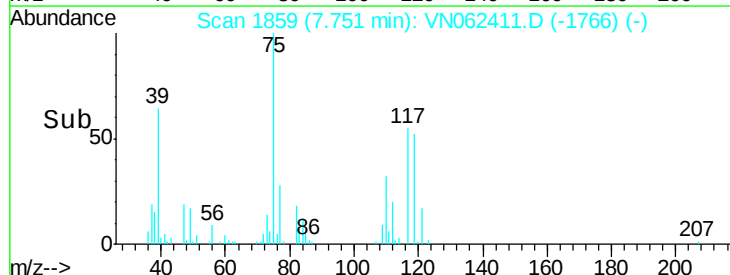
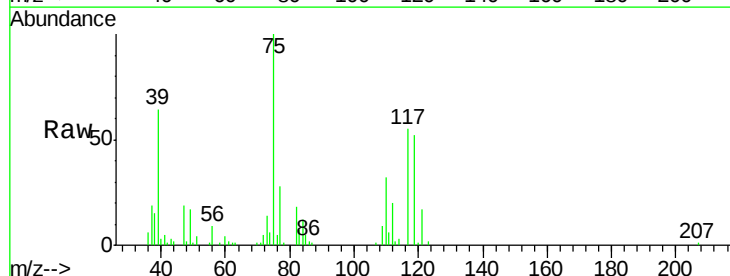
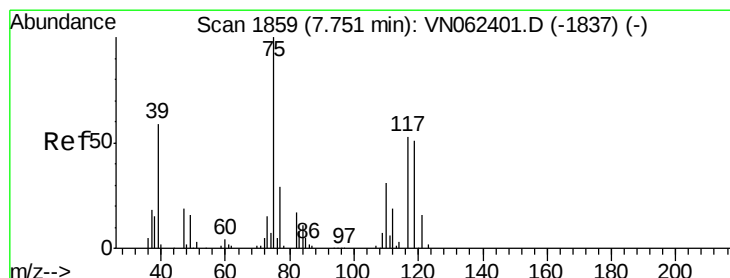
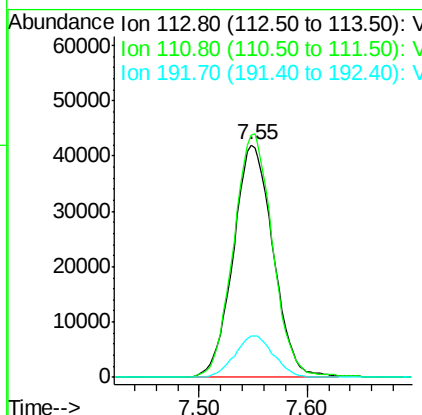
#35
Dibromofluoromethane
Concen: 52.594 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN062411.D
Acq: 8 Jul 2020 16:38

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.4	83.1	124.7	
192	17.3	14.1	21.1	

Instrument :
MSVOA_N
ClientSampleId :
VN0708WBSD01

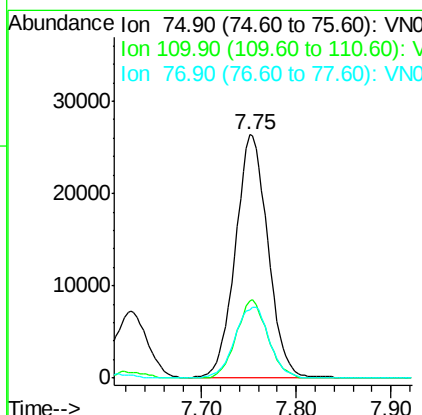
Manual Integrations
APPROVED

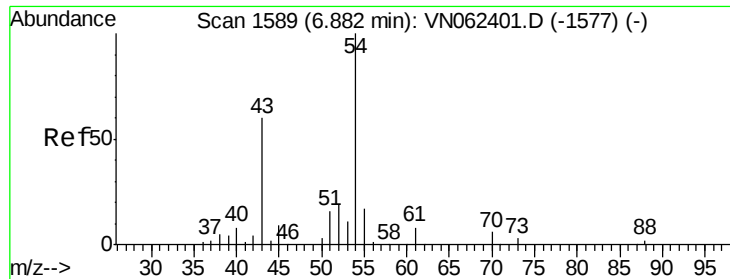
MMDadoda
7/9/2020 10:55:10 AM



#36
1,1-Dichloropropene
Concen: 18.900 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN062411.D
Acq: 8 Jul 2020 16:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	30.8	15.4	46.2	
77	31.0	24.1	36.1	





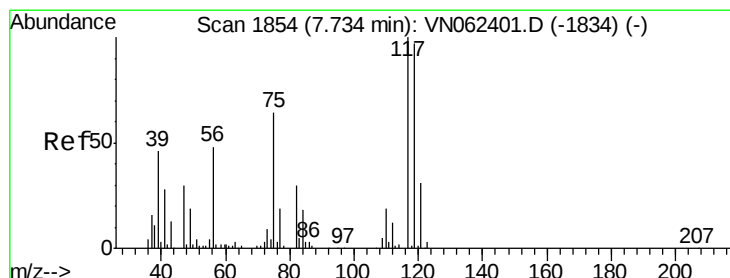
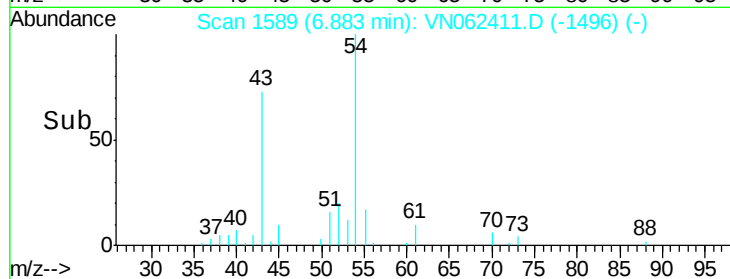
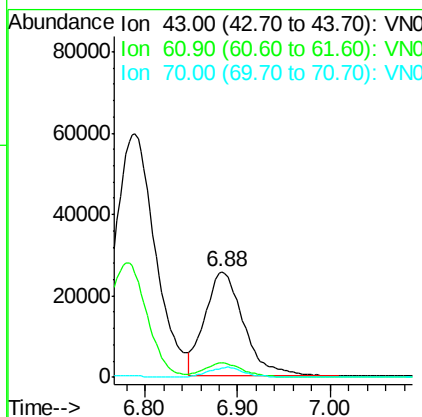
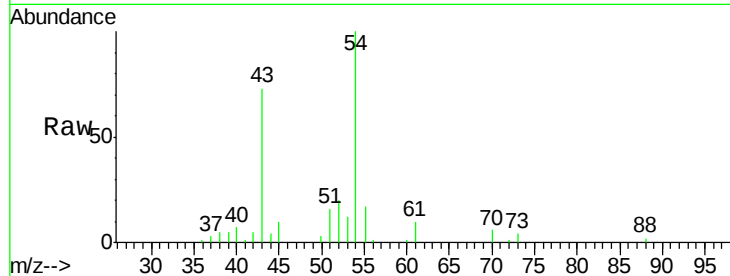
#37
Ethyl Acetate
Concen: 19.133 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VN062411.D
Acq: 8 Jul 2020 16:38

Instrument :
MSVOA_N
ClientSampleId :
VN0708WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.7	16.1
70	8.7	7.2	10.8

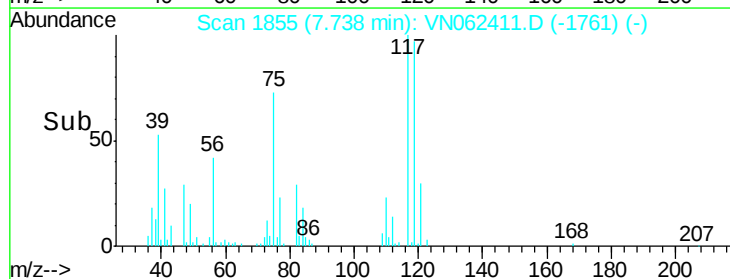
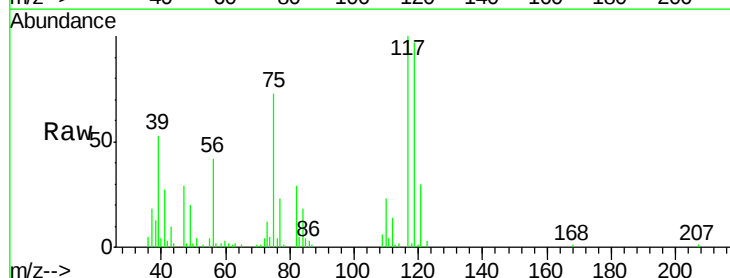
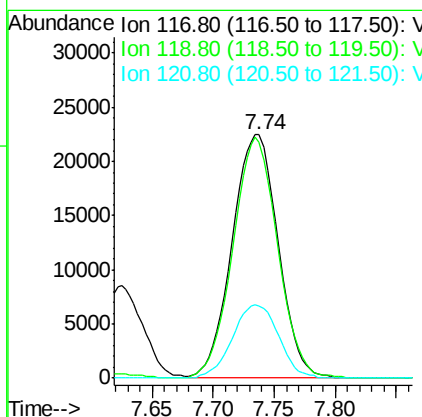
Manual Integrations
APPROVED

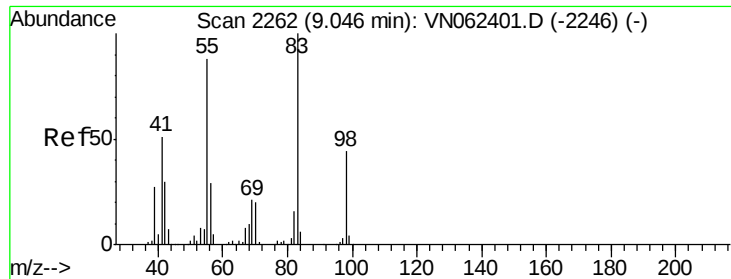
MMDadoda
7/9/2020 10:55:10 AM



#38
Carbon Tetrachloride
Concen: 19.539 ug/l
RT: 7.74 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VN062411.D
Acq: 8 Jul 2020 16:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	77.2	115.8
121	29.8	24.8	37.2





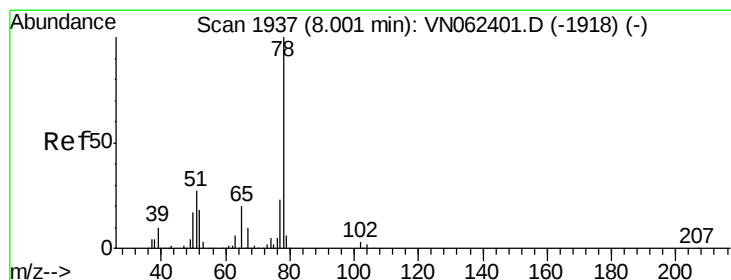
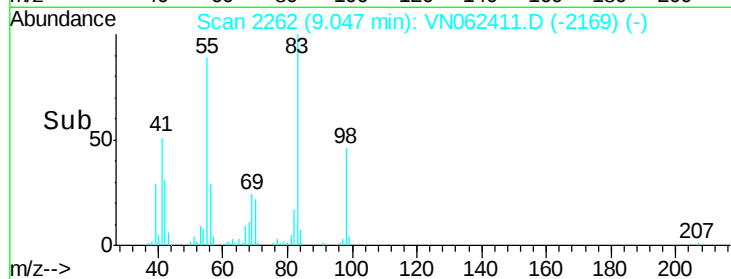
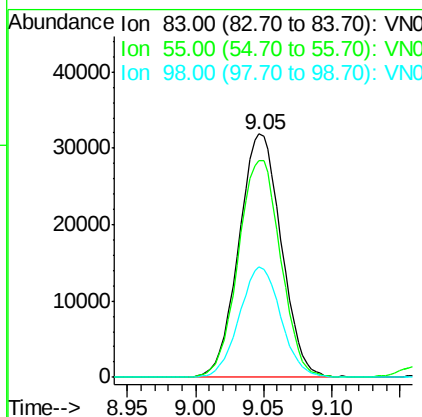
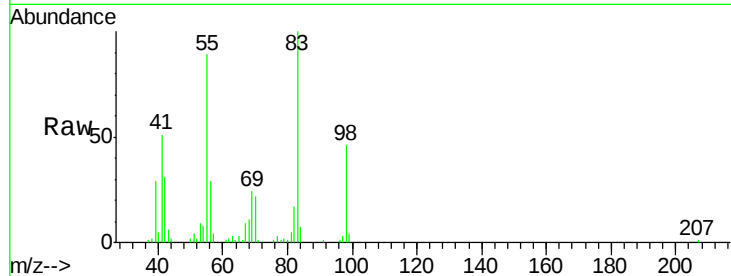
#39
Methvlcvclohexane
Concen: 19.289 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN062411.D
Acq: 8 Jul 2020 16:38

Instrument :
MSVOA_N
ClientSampleId :
VN0708WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.1	70.5	105.7
98	45.5	35.5	53.3

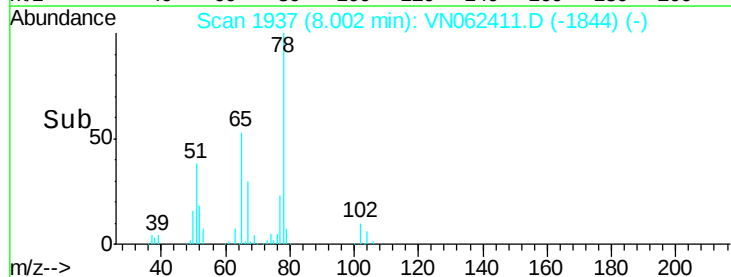
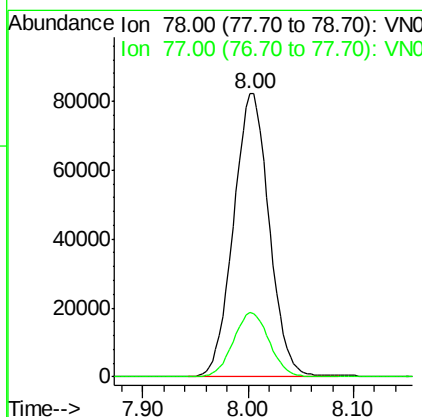
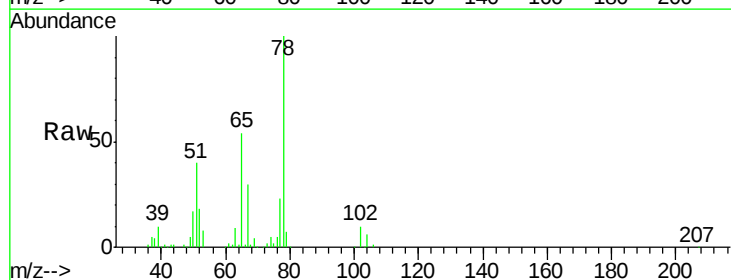
Manual Integrations
APPROVED

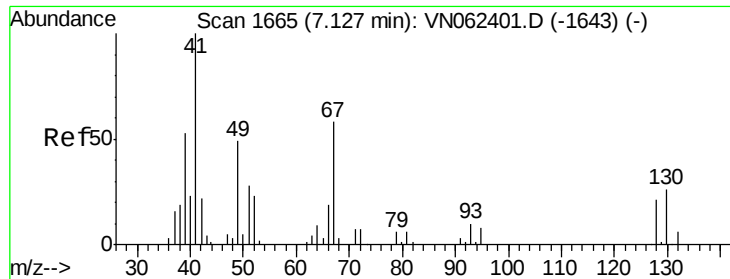
MMDadoda
7/9/2020 10:55:10 AM



#40
Benzene
Concen: 19.636 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN062411.D
Acq: 8 Jul 2020 16:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.7	28.1





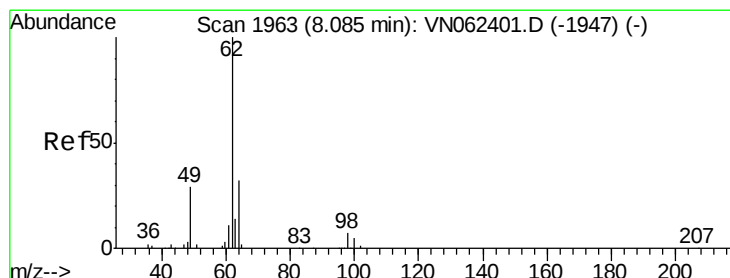
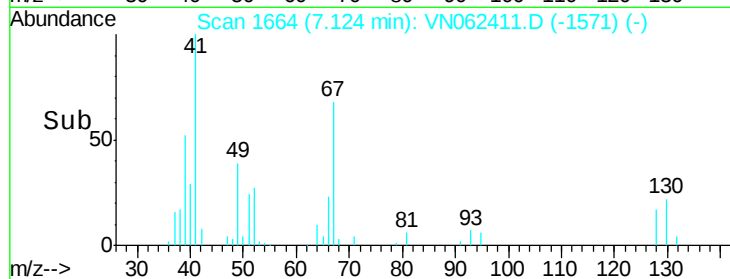
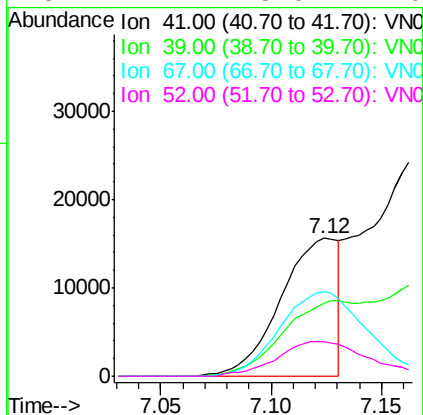
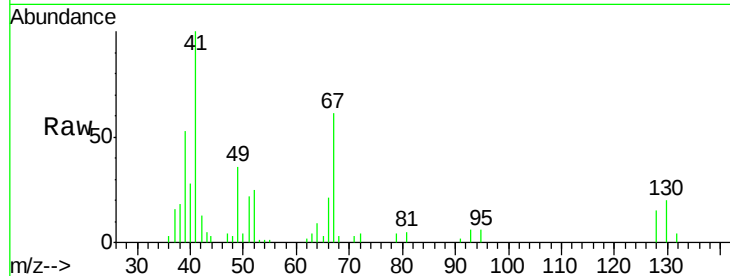
#41
Methacrylonitrile
Concen: 17.273 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. -0.00 min
Lab File: VN062411.D
Acq: 8 Jul 2020 16:38

Instrument :
MSVOA_N
ClientSampled :
VN0708WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	70.5	50.2	75.2	
67	93.9	64.2	96.2	
52	41.1	28.0	42.0	

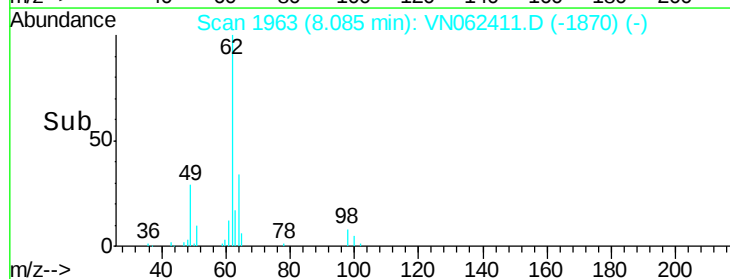
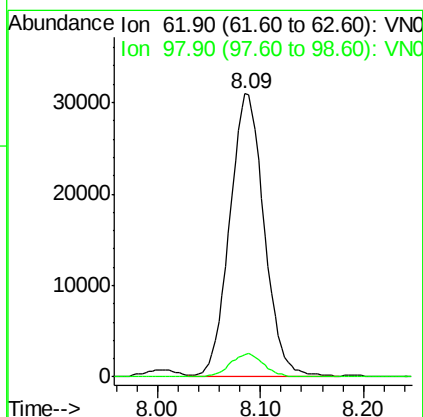
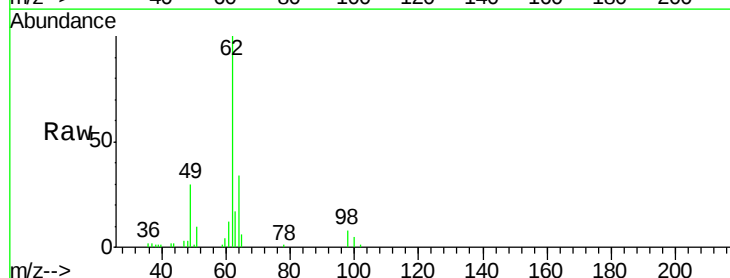
Manual Integrations
APPROVED

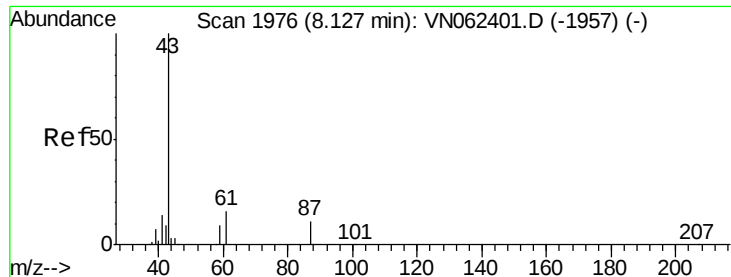
MMDadoda
7/9/2020 10:55:10 AM



#42
1,2-Dichloroethane
Concen: 20.025 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN062411.D
Acq: 8 Jul 2020 16:38

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.8	0.0	15.8	





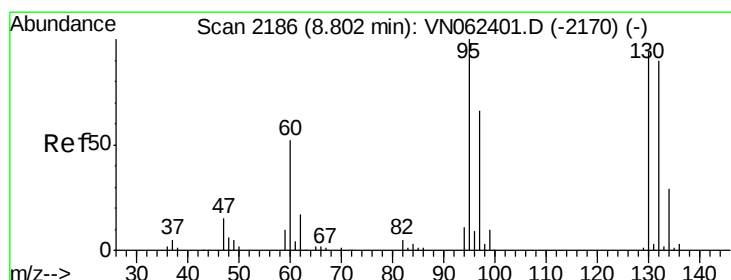
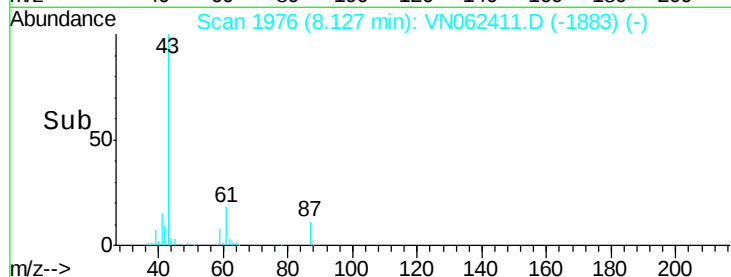
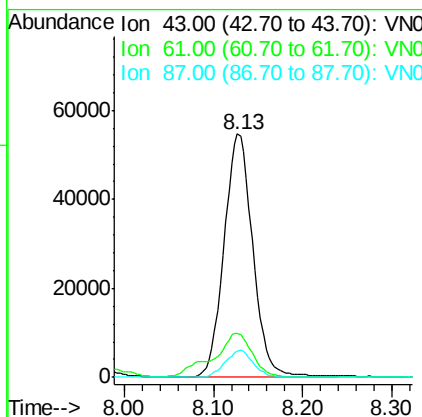
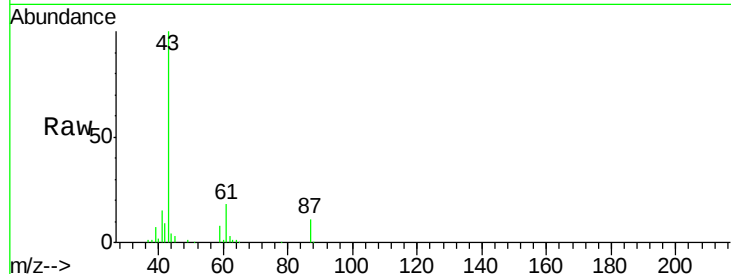
#43
Isopropyl Acetate
Concen: 19.830 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN062411.D
Acq: 8 Jul 2020 16:38

Instrument :
MSVOA_N
ClientSampleId :
VN0708WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	24.9	19.3	28.9
87	10.7	8.6	13.0

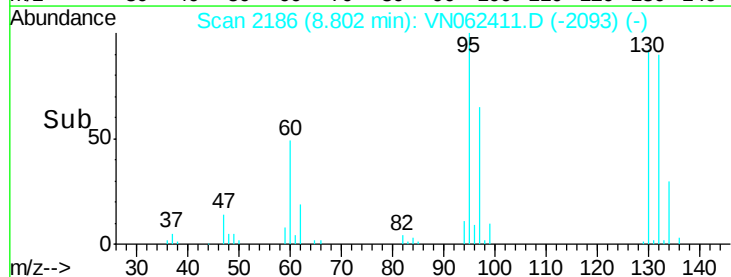
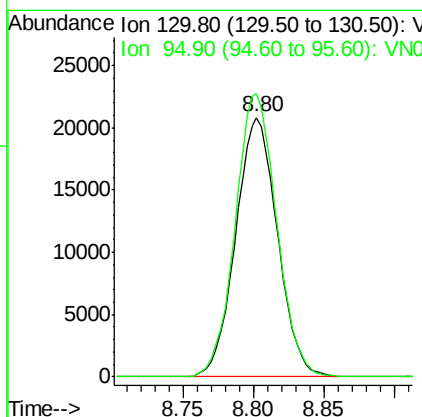
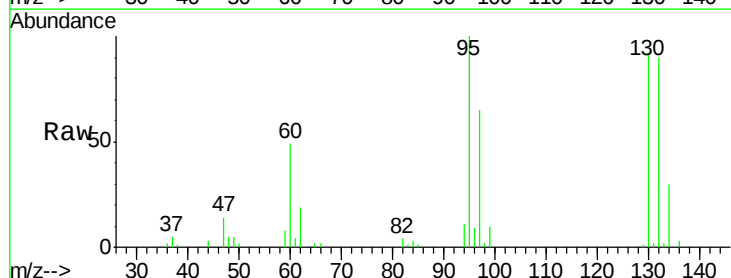
Manual Integrations
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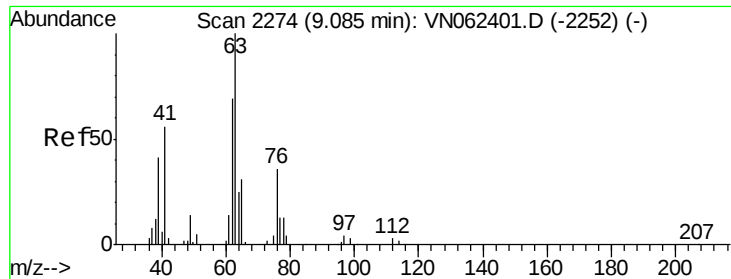
MMDadoda
7/9/2020 10:55:10 AM



#44
Trichloroethene
Concen: 19.734 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. 0.00 min
Lab File: VN062411.D
Acq: 8 Jul 2020 16:38

Tgt Ion	Ratio	Lower	Upper
130	100		
95	109.3	0.0	213.8





#45

1,2-Dichloropropane

Concen: 19.435 ug/l

RT: 9.09 min Scan# 2274

Delta R.T. 0.00 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

VN0708WBSD01

Tot Ion: 63 Resp: 55585

Ion Ratio Lower Upper

63 100

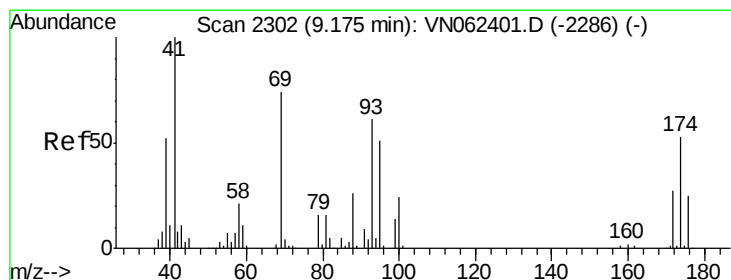
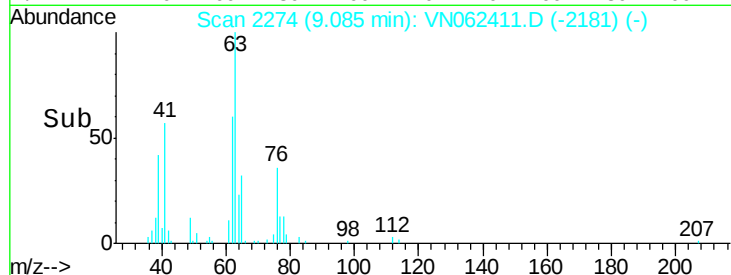
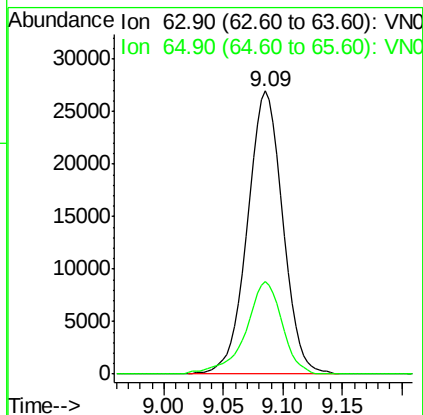
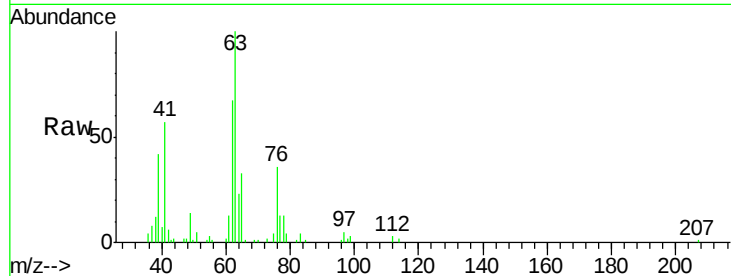
65 32.6 24.6 36.8

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7/9/2020 10:55:10 AM



#46

Dibromomethane

Concen: 19.759 ug/l

RT: 9.18 min Scan# 2302

Delta R.T. 0.00 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

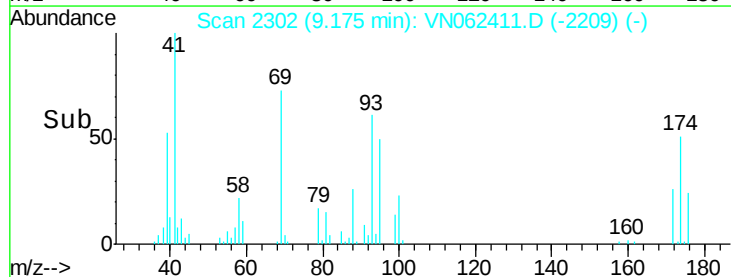
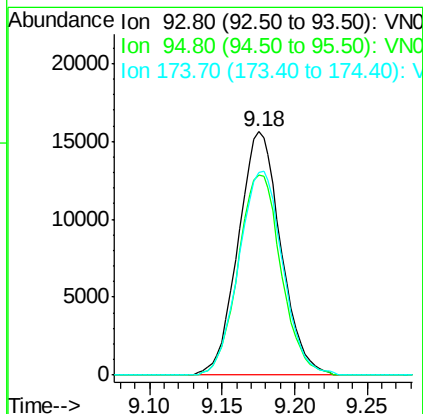
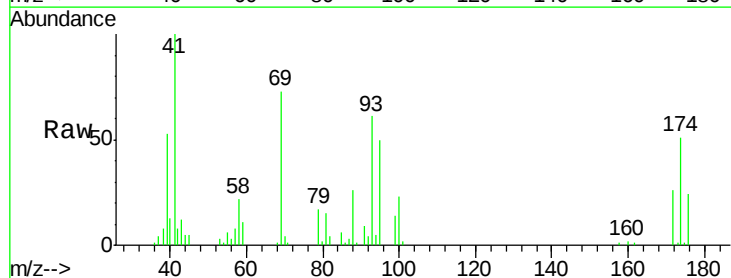
Tgt Ion: 93 Resp: 31892

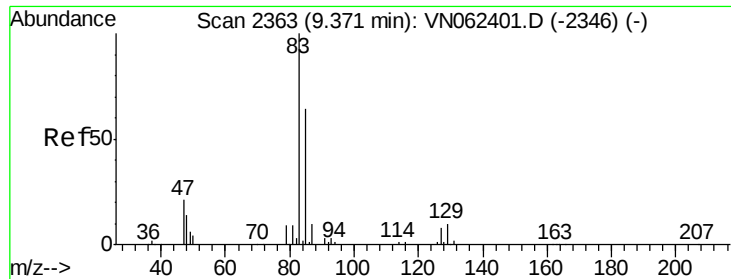
Ion Ratio Lower Upper

93 100

95 82.9 67.1 100.7

174 86.3 70.4 105.6





#47

Bromodichloromethane

Concen: 19.069 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

Instrument :

MSVOA_N

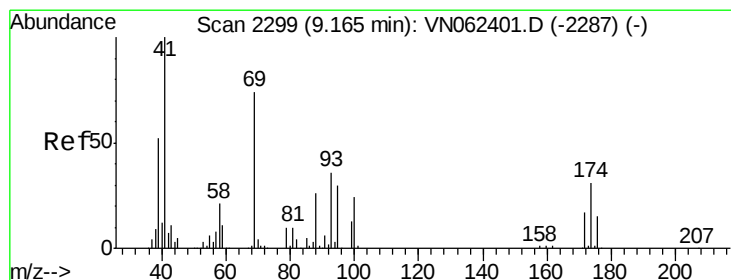
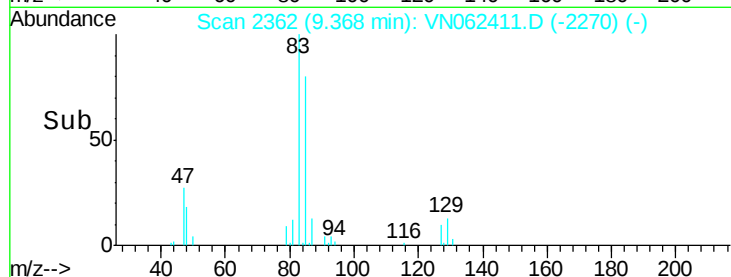
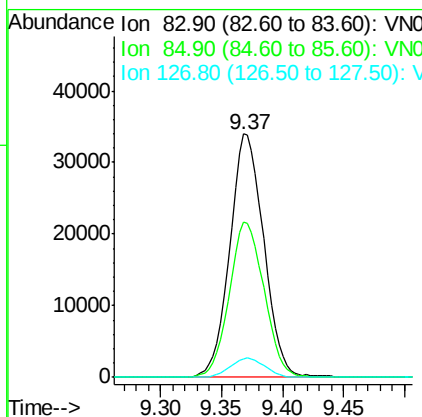
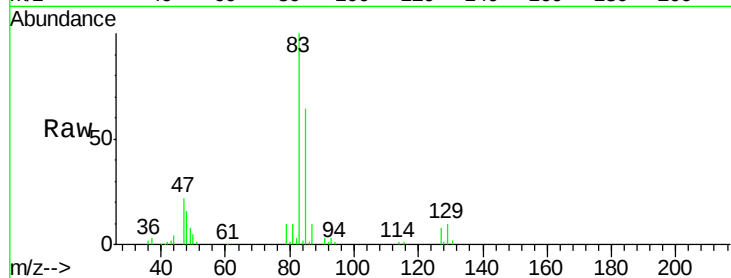
ClientSampleId :

VN0708WBSD01

Tot Ion:	83	Resp:	65803
Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.2	76.8
127	7.7	6.2	9.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.076 ug/l

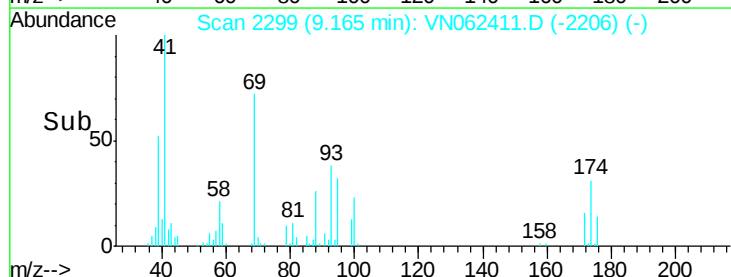
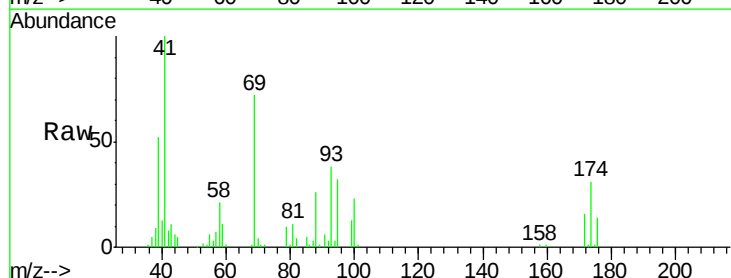
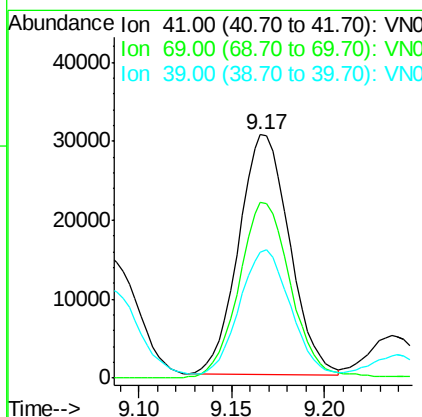
RT: 9.17 min Scan# 2299

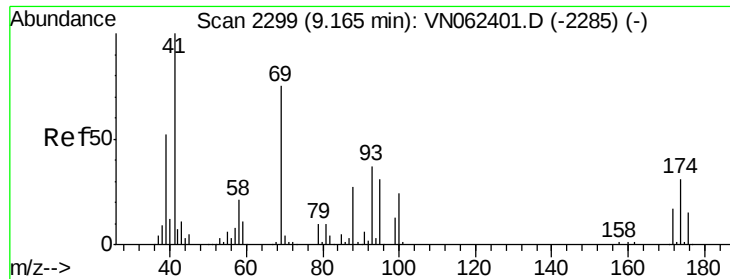
Delta R.T. 0.00 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

Tgt Ion:	41	Resp:	57782
Ion	Ratio	Lower	Upper
41	100		
69	75.2	60.8	91.2
39	54.1	43.5	65.3





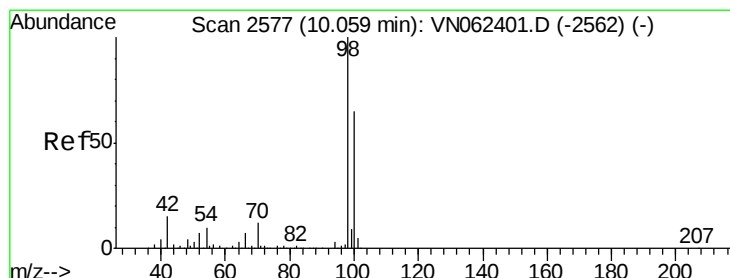
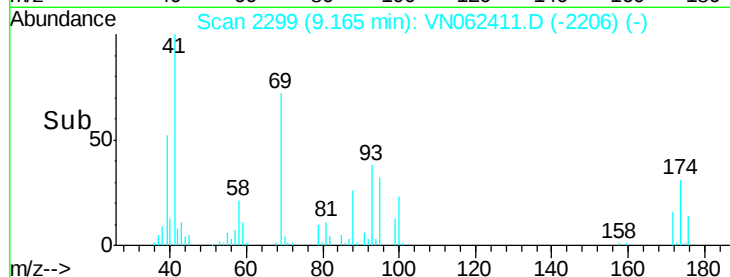
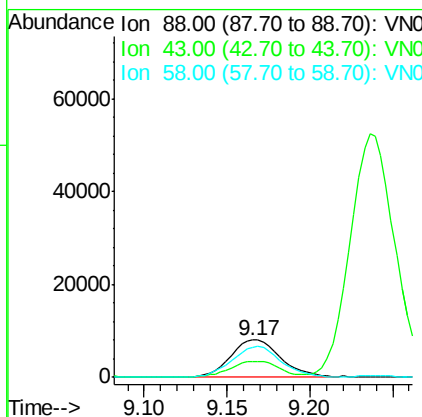
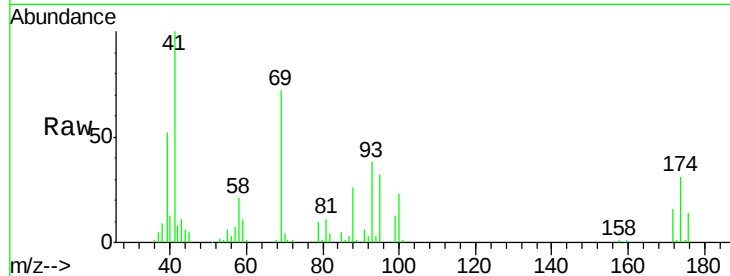
#49
1,4-Dioxane
Concen: 384.071 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN062411.D
Acq: 8 Jul 2020 16:38

Instrument :
MSVOA_N
ClientSampled :
VN0708WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	44.0	31.0	46.4
58	82.2	63.3	94.9

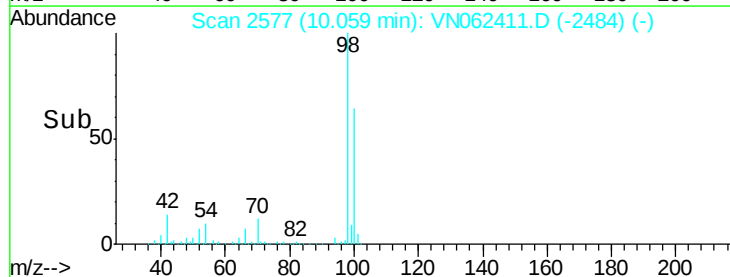
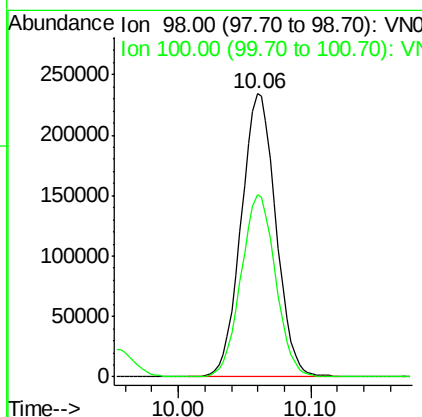
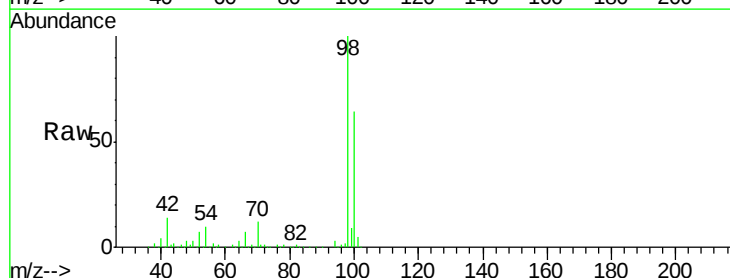
Manual Integrations
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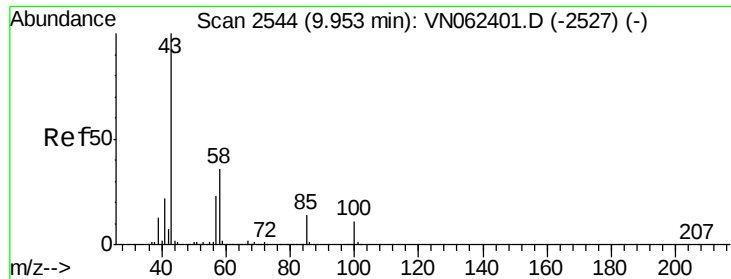
MMDadoda
7/9/2020 10:55:10 AM



#50
Toluene-d8
Concen: 52.560 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN062411.D
Acq: 8 Jul 2020 16:38

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 99.758 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

VN0708WBSD01

Tot Ion: 43 Resp: 367930

Ion Ratio Lower Upper

43 100

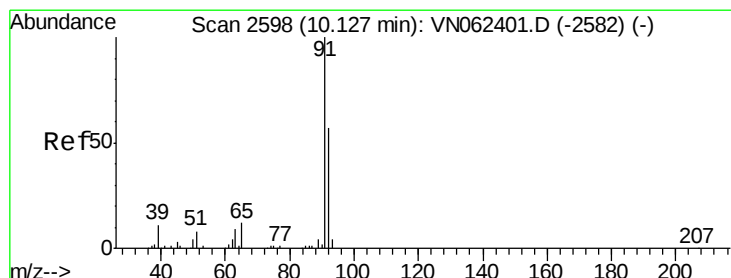
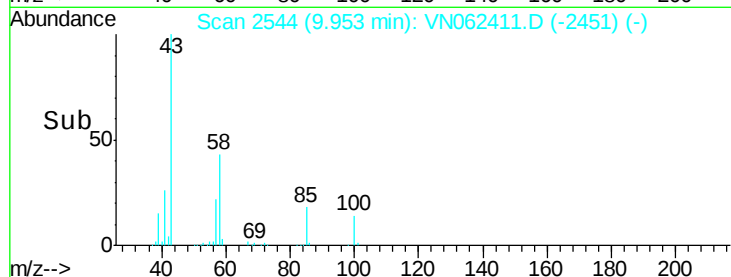
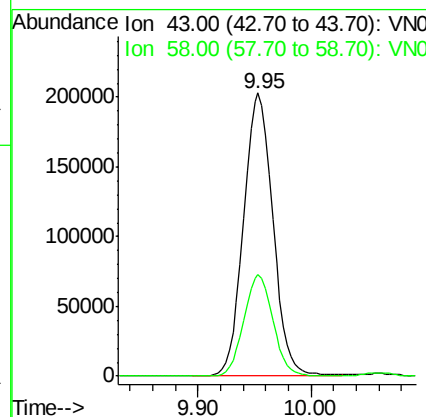
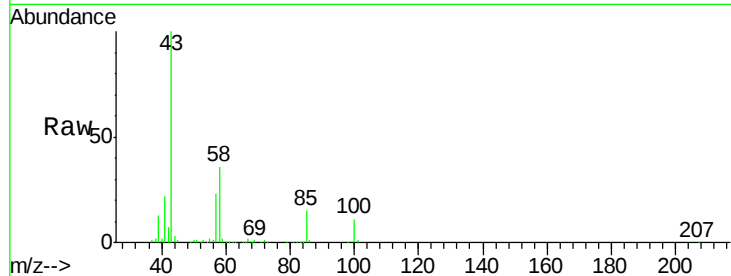
58 35.5 29.0 43.6

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#52

Toluene

Concen: 19.581 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VN062411.D

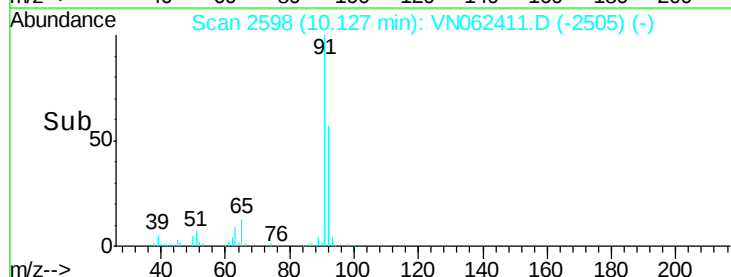
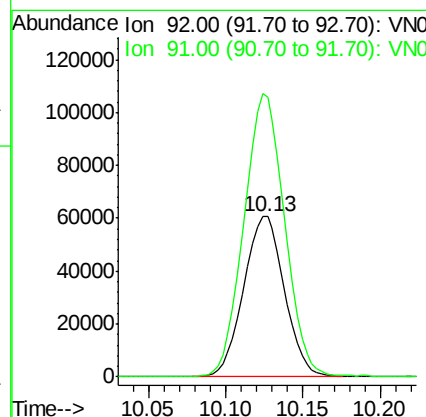
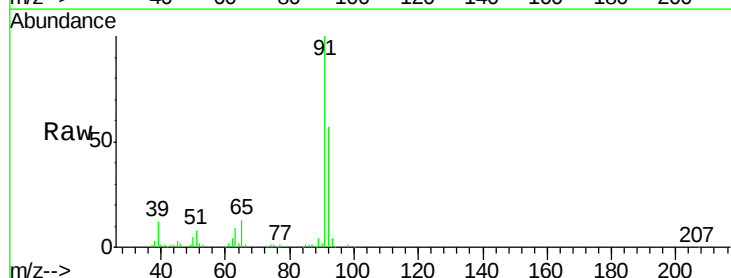
Acq: 8 Jul 2020 16:38

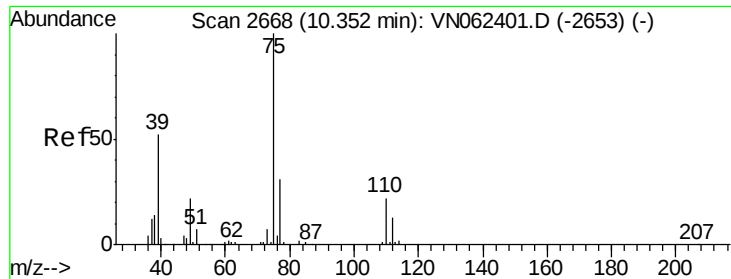
Tgt Ion: 92 Resp: 111432

Ion Ratio Lower Upper

92 100

91 176.7 141.0 211.6





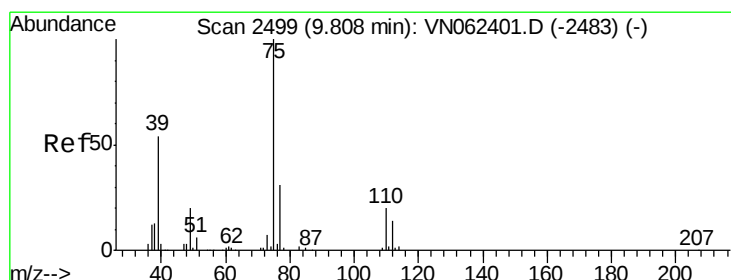
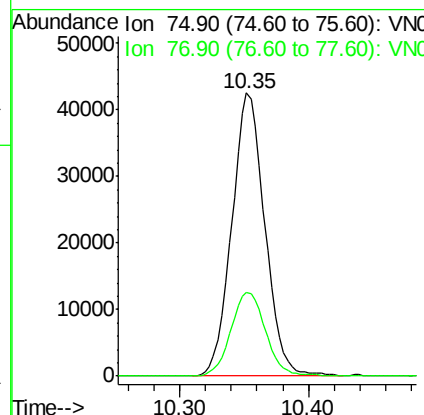
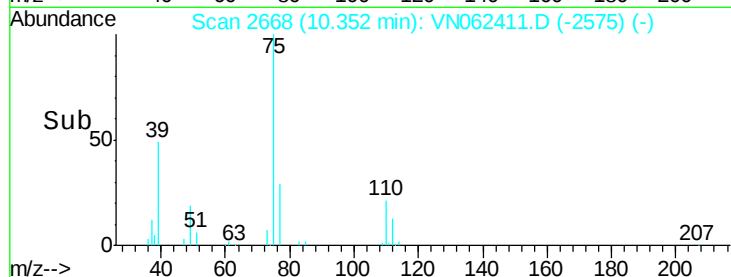
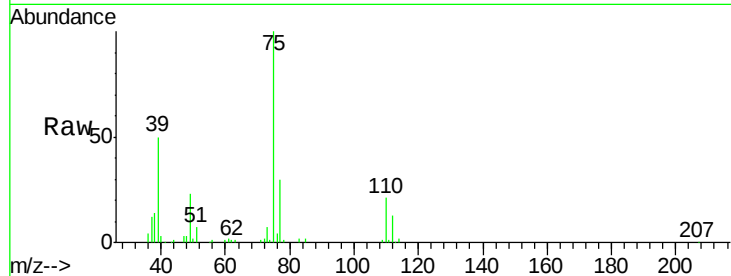
#53
t-1,3-Dichloropropene
Concen: 19.541 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. 0.00 min
Lab File: VN062411.D
Acq: 8 Jul 2020 16:38

Instrument :
MSVOA_N
ClientSampleId :
VN0708WBSD01

Tot Ion: 75 Resp: 75544
Ion Ratio Lower Upper
75 100
77 29.7 25.2 37.8

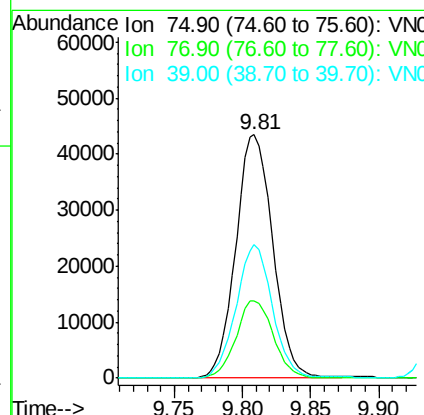
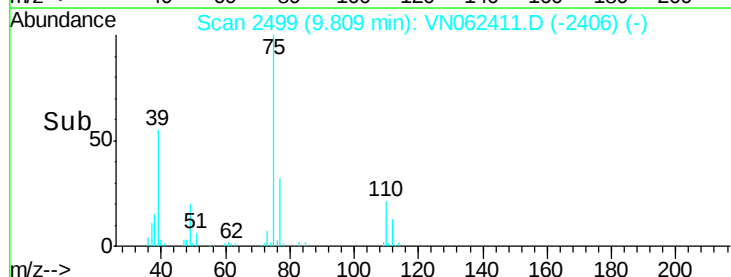
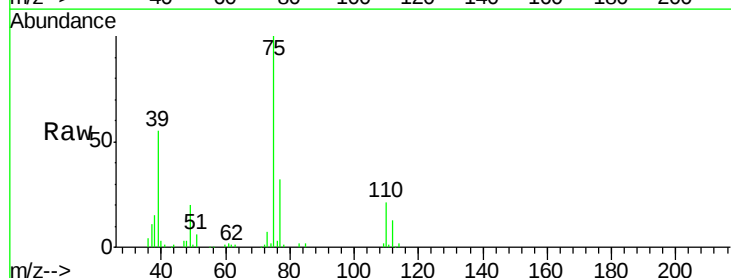
Manual Integrations
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7/9/2020 10:55:10 AM



#54
cis-1,3-Dichloropropene
Concen: 19.238 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VN062411.D
Acq: 8 Jul 2020 16:38

Tgt Ion: 75 Resp: 82061
Ion Ratio Lower Upper
75 100
77 32.0 24.5 36.7
39 54.6 43.4 65.0





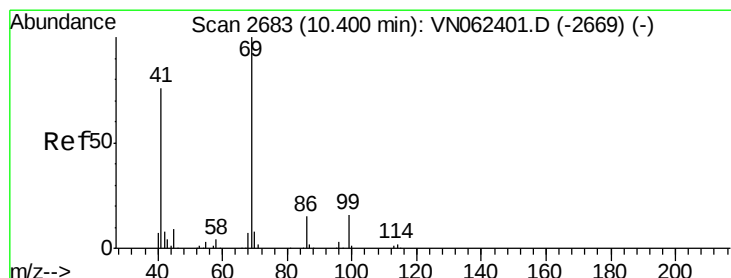
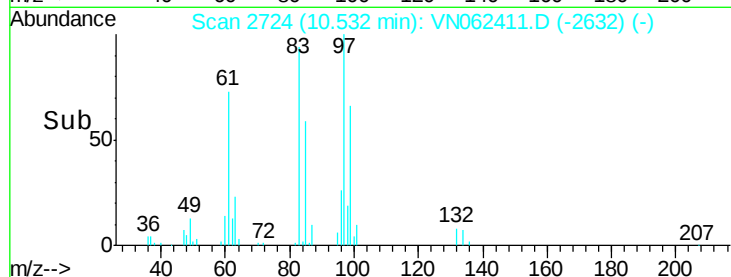
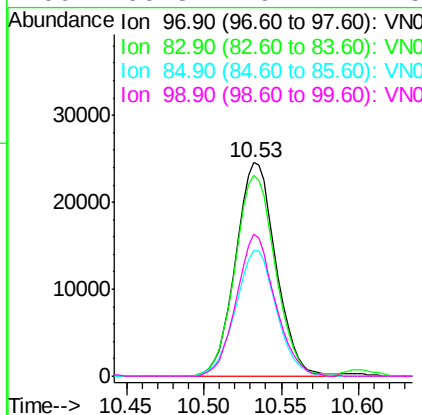
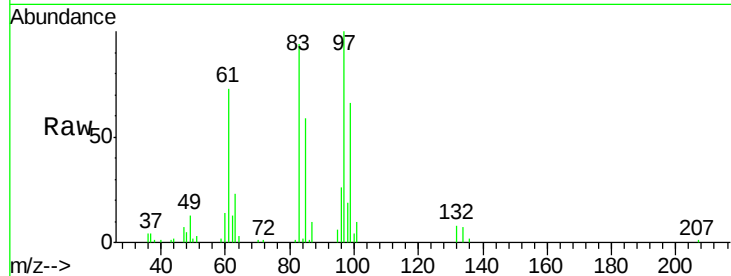
#55
 1,1,2-Trichloroethane
 Concen: 19.886 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN062411.D
 Acq: 8 Jul 2020 16:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0708WBSD01

Tot Ion:	97	Resp:	44510
Ion	Ratio	Lower	Upper
97	100		
83	94.1	71.0	106.4
85	58.9	46.2	69.4
99	66.3	49.7	74.5

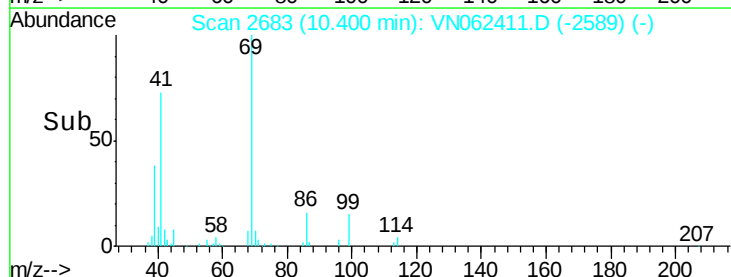
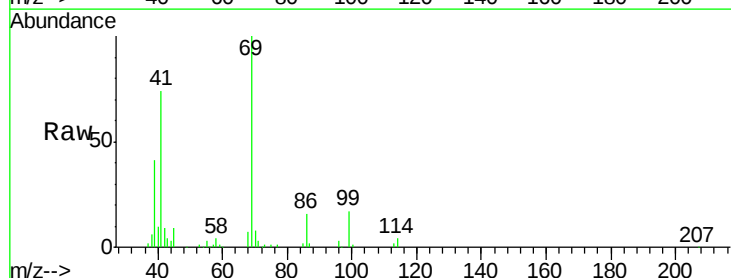
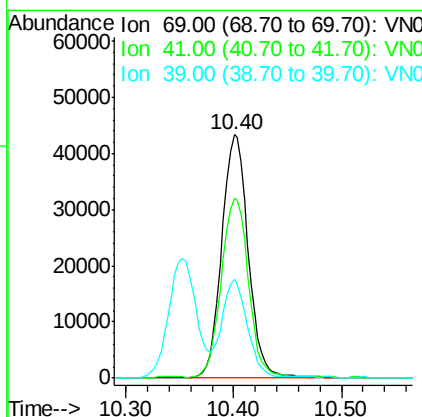
Manual Integrations
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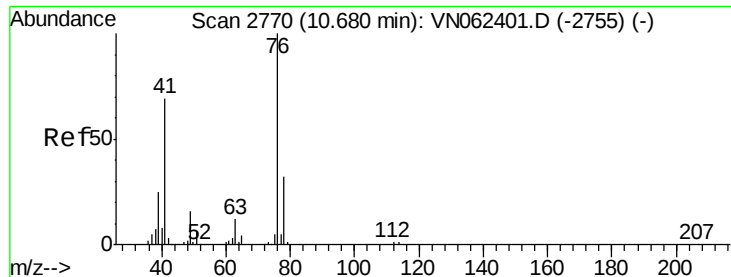
MMDadoda
 7/9/2020 10:55:10 AM



#56
 Ethyl methacrylate
 Concen: 19.142 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN062411.D
 Acq: 8 Jul 2020 16:38

Tgt Ion:	69	Resp:	74342
Ion	Ratio	Lower	Upper
69	100		
41	74.7	59.7	89.5
39	38.1	30.6	45.8





#57

1,3-Dichloropropane

Concen: 19.391 ug/l

RT: 10.68 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

VN0708WBSD01

Tot Ion: 76 Resp: 80186

Ion Ratio Lower Upper

76 100

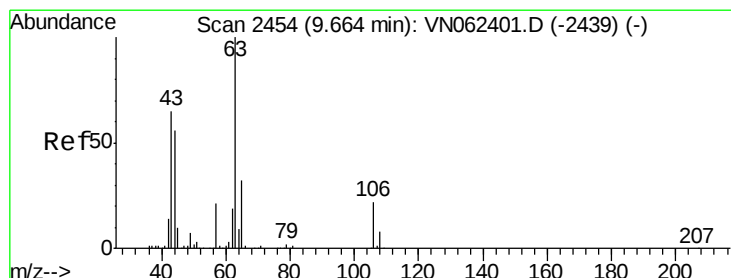
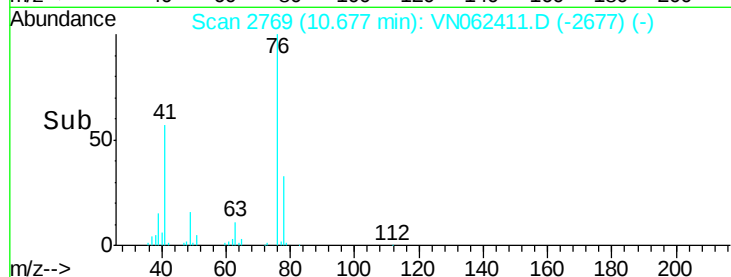
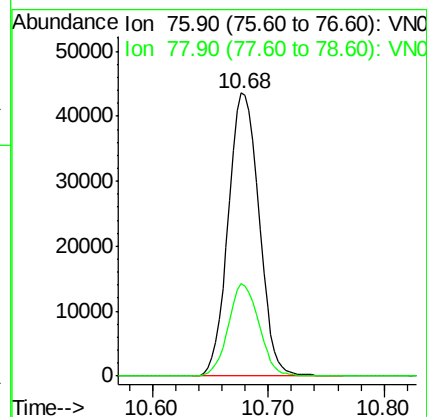
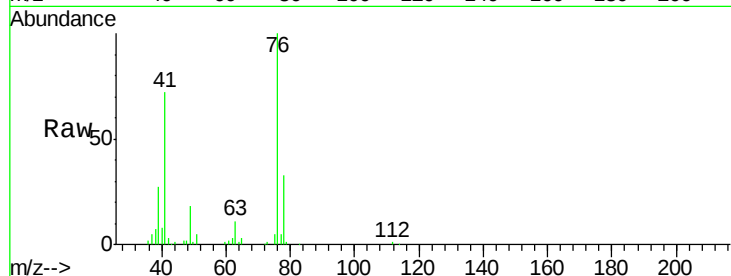
78 32.3 25.6 38.4

Manual Integrations

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7/9/2020 10:55:10 AM



#58

2-Chloroethyl Vinyl ether

Concen: 95.651 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VN062411.D

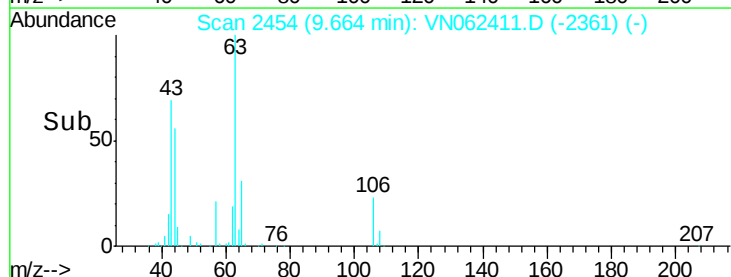
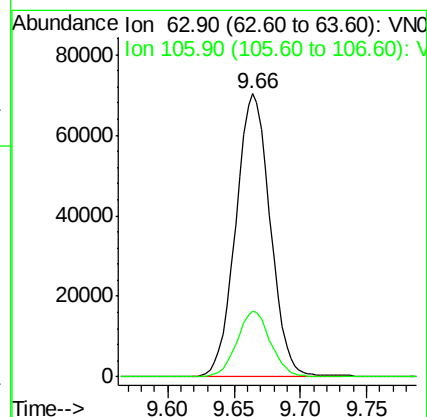
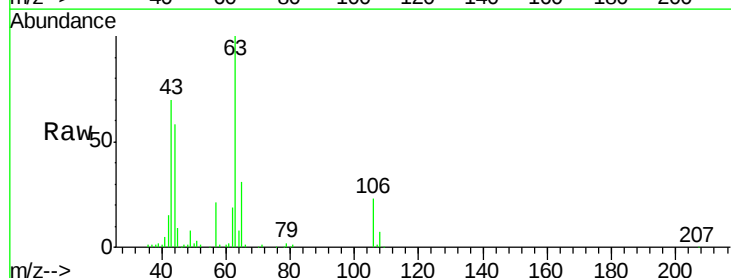
Acq: 8 Jul 2020 16:38

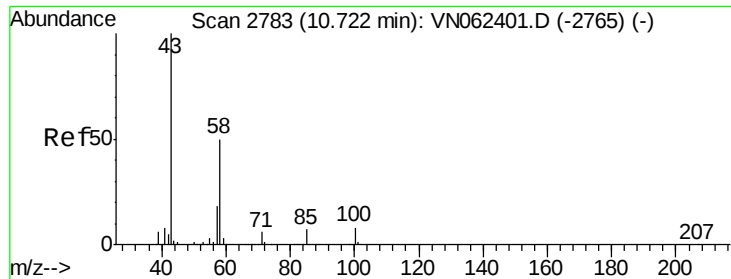
Tgt Ion: 63 Resp: 127011

Ion Ratio Lower Upper

63 100

106 22.5 17.6 26.4





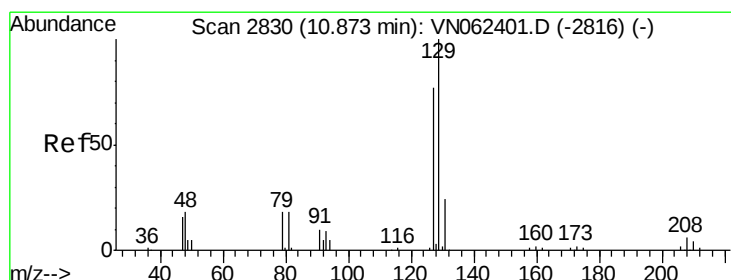
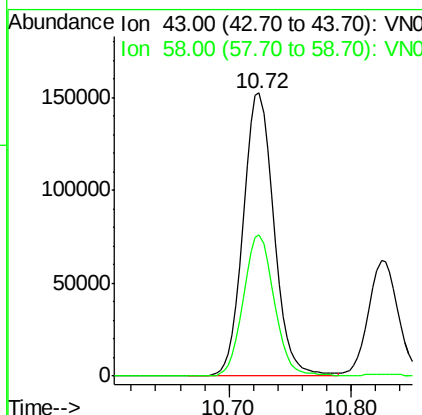
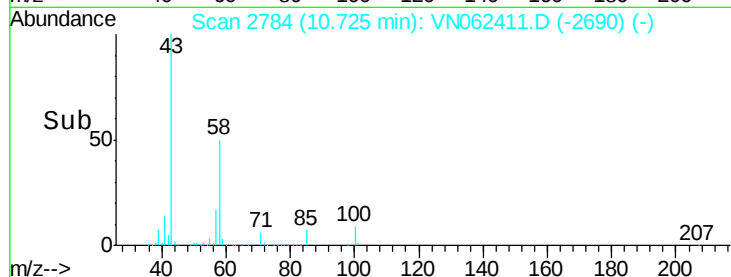
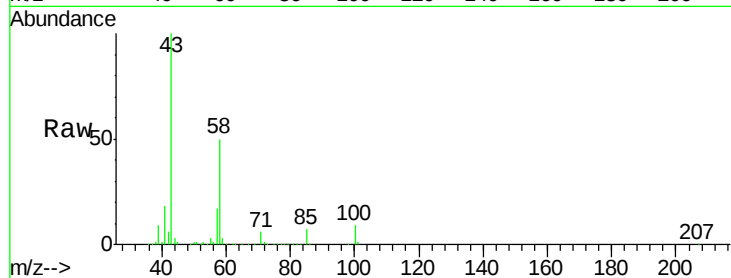
#59
2-Hexanone
Concen: 98.726 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN062411.D
Acq: 8 Jul 2020 16:38

Instrument :
MSVOA_N
ClientSampleId :
VN0708WBSD01

Tot Ion: 43 Resp: 264345
Ion Ratio Lower Upper
43 100
58 50.1 25.1 75.2

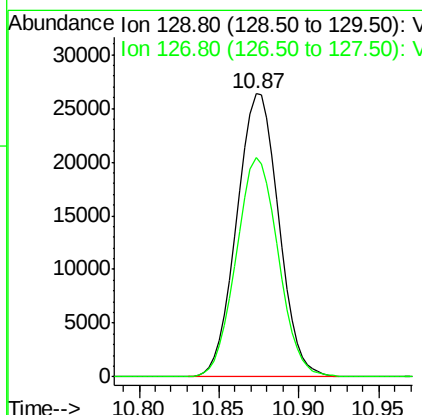
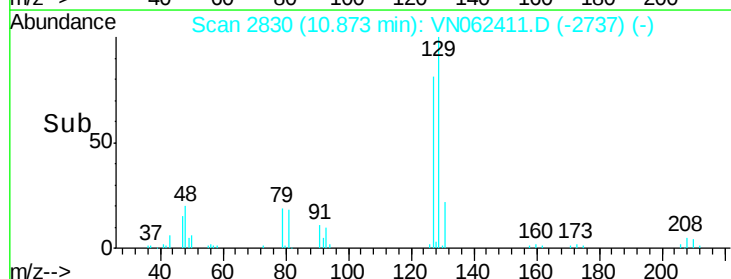
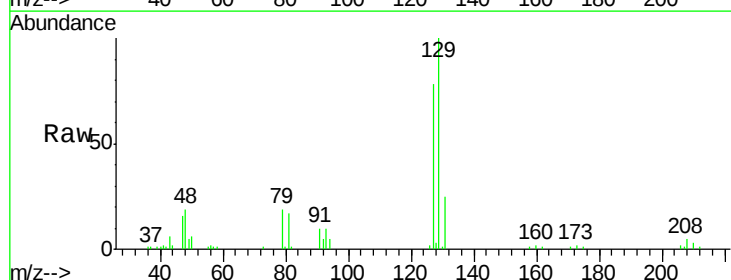
Manual Integrations
APPROVED

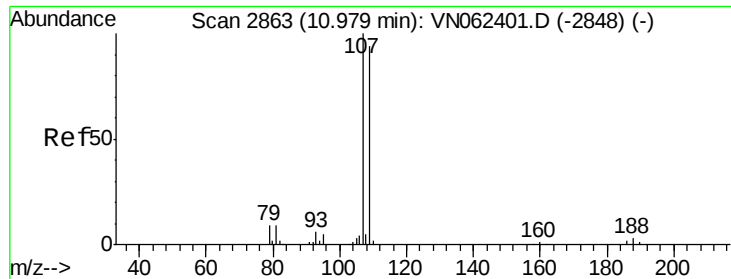
MMDadoda
7/9/2020 10:55:10 AM



#60
Dibromochloromethane
Concen: 19.469 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. 0.00 min
Lab File: VN062411.D
Acq: 8 Jul 2020 16:38

Tgt Ion: 129 Resp: 47249
Ion Ratio Lower Upper
129 100
127 77.6 38.6 115.8





#61

1,2-Dibromoethane

Concen: 19.282 ug/l

RT: 10.98 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

VN0708WBSD01

Tot Ion:107 Resp: 43567

Ion Ratio Lower Upper

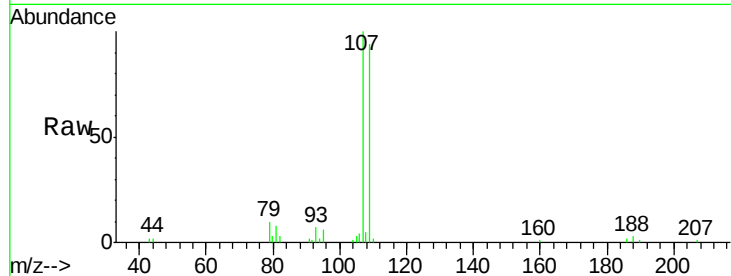
107 100

109 95.5 75.6 113.4

Manual Integrations
APPROVED

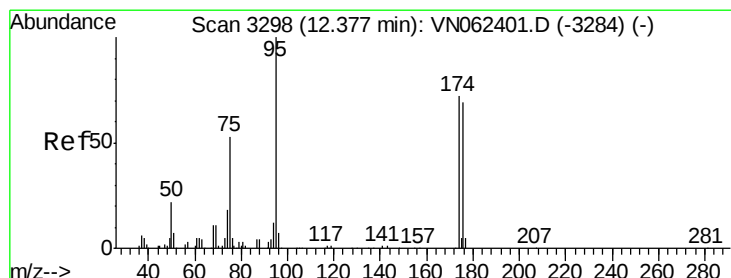
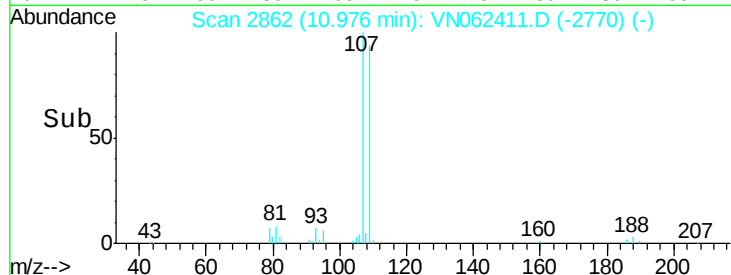
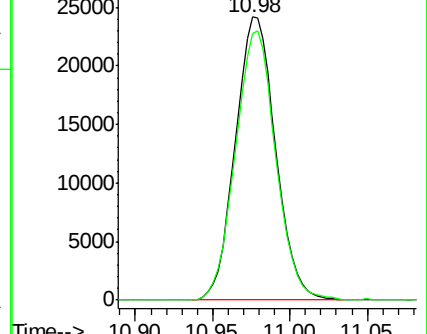
MMDadoda

7/9/2020 10:55:10 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.510 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

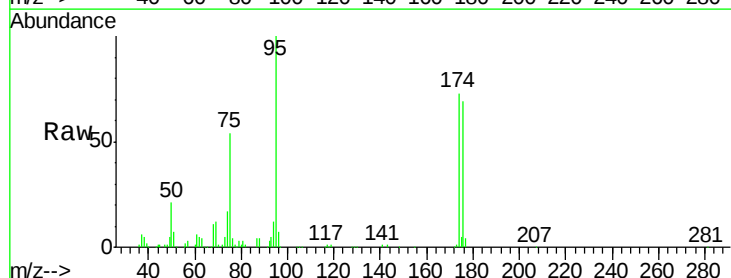
Tgt Ion: 95 Resp: 149452

Ion Ratio Lower Upper

95 100

174 71.8 0.0 141.6

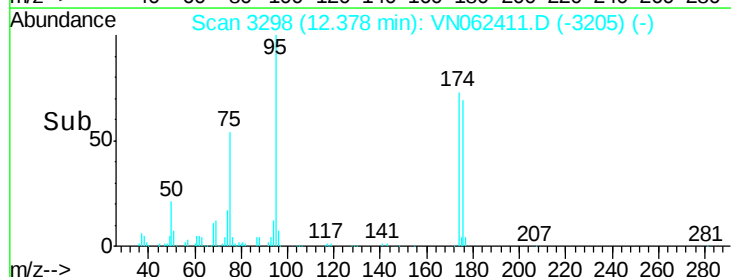
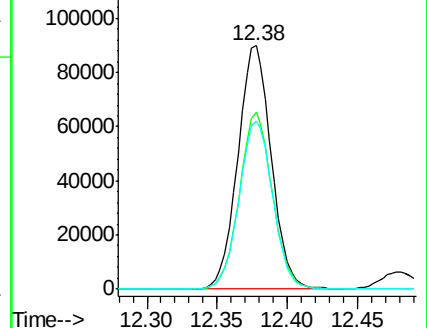
176 69.4 0.0 137.2

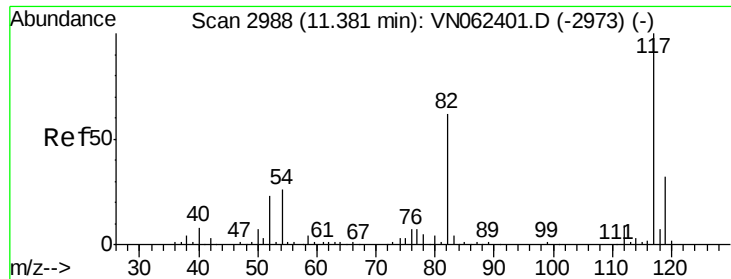


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





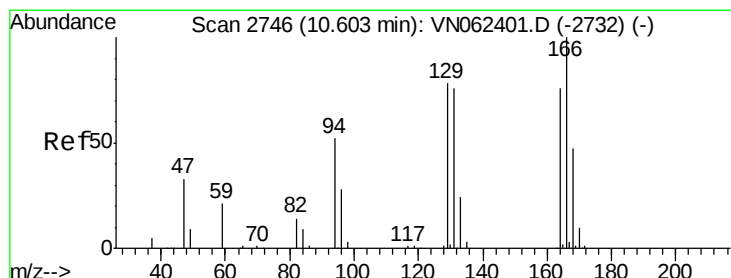
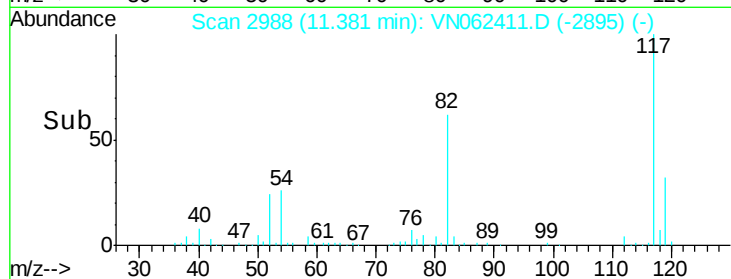
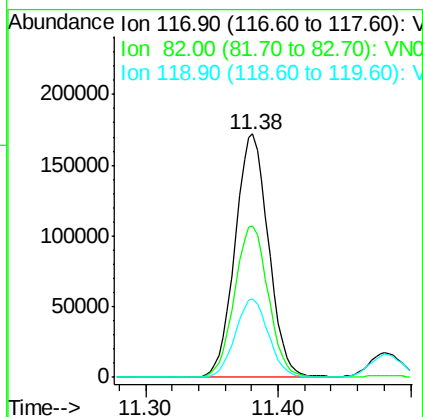
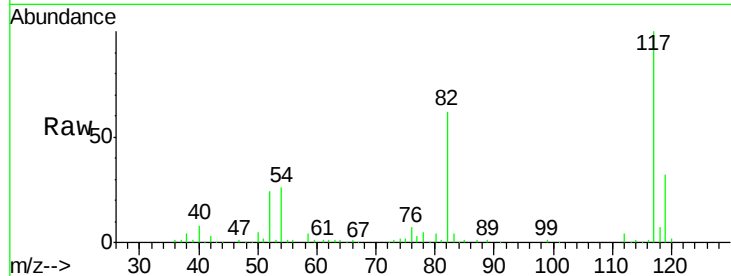
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062411.D
Acq: 8 Jul 2020 16:38

Instrument :
MSVOA_N
ClientSampleId :
VN0708WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.3	49.6	74.4
119	32.0	25.4	38.0

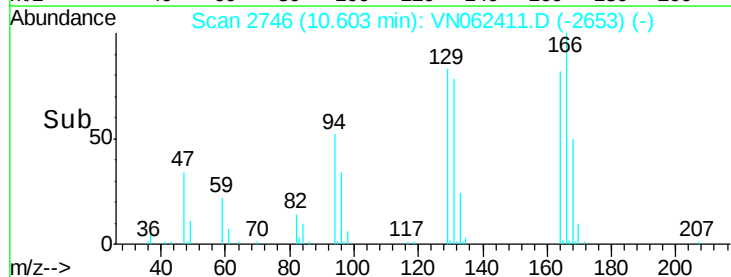
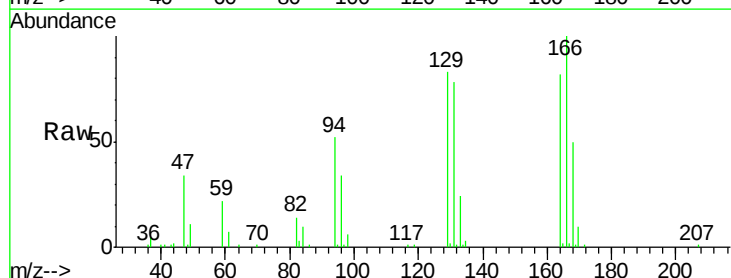
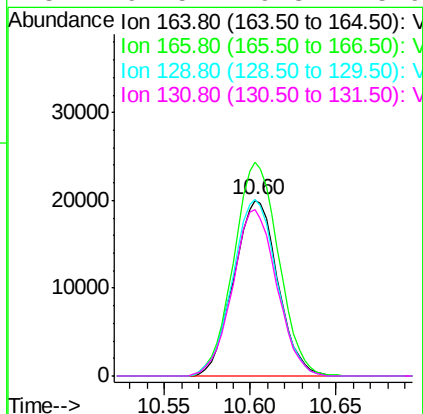
Manual Integrations
APPROVED

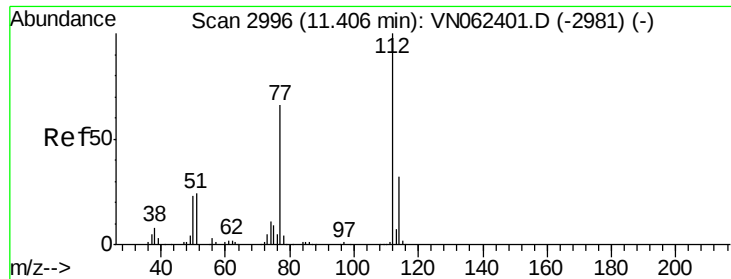
MMDadoda
7/9/2020 10:55:10 AM



#64
Tetrachloroethene
Concen: 19.909 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN062411.D
Acq: 8 Jul 2020 16:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.3	104.9	157.3
129	100.6	81.8	122.6
131	94.5	79.3	118.9





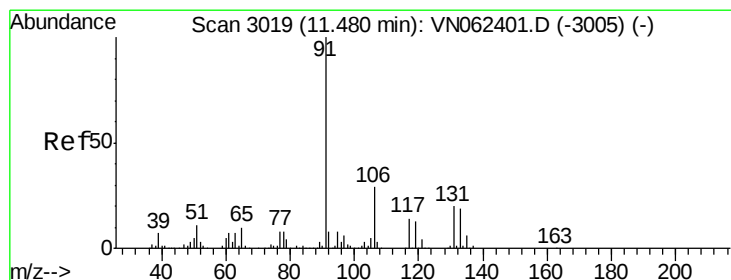
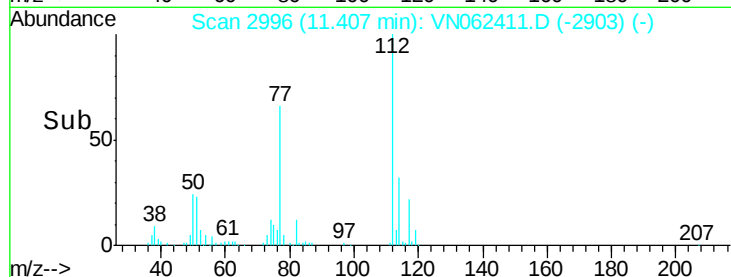
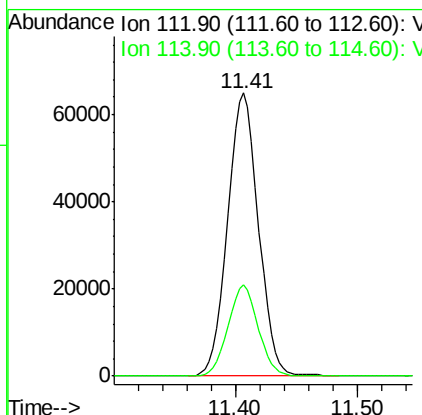
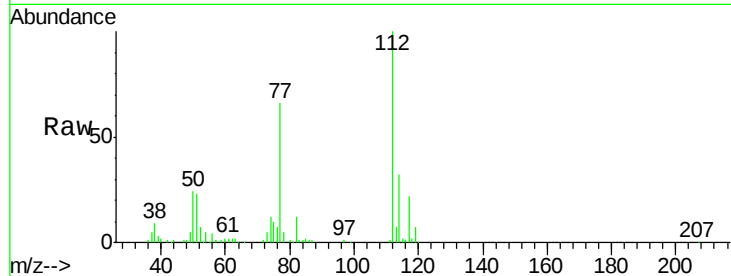
#65
Chlorobenzene
Concen: 19.528 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN062411.D
Acq: 8 Jul 2020 16:38

Instrument :
MSVOA_N
ClientSampled :
VN0708WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	114391		
114	32.2	25.9	38.9	

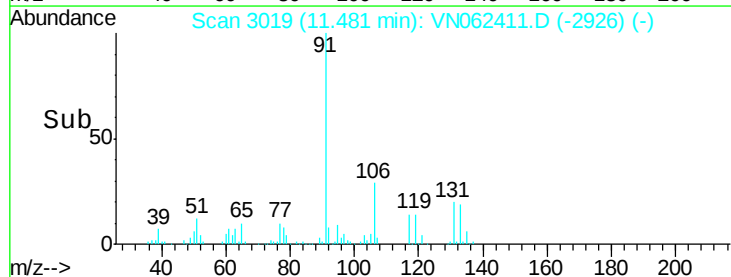
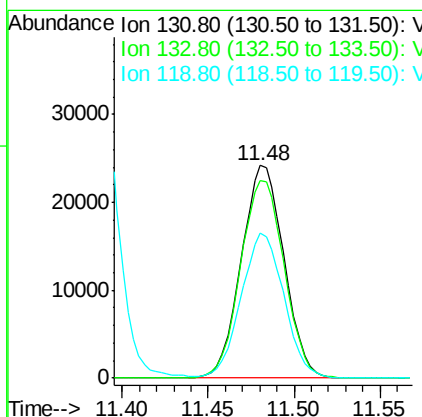
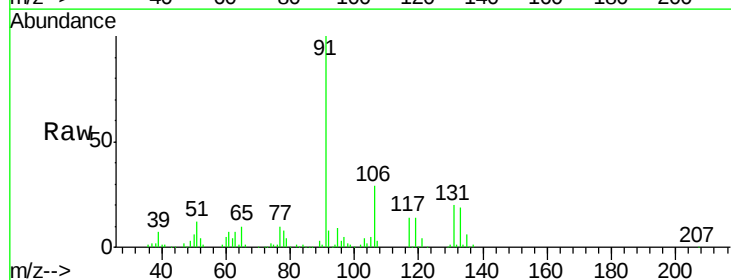
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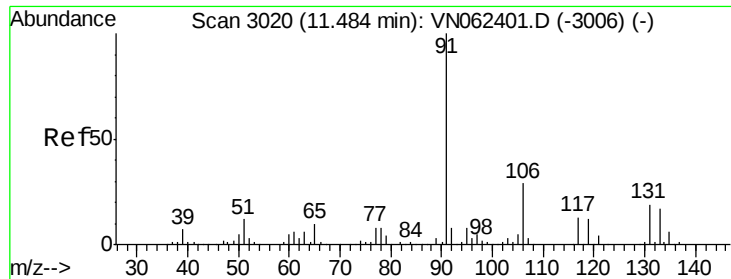
MMDadoda
7/9/2020 10:55:10 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.311 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. 0.00 min
Lab File: VN062411.D
Acq: 8 Jul 2020 16:38

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	41714		
133	95.2	46.9	140.8	
119	68.5	33.2	99.6	





#67

Ethyl Benzene

Concen: 19.394 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. 0.00 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

Instrument :

MSVOA_N

ClientSampled :

VN0708WBSD01

Tot Ion: 91 Resp: 213244

Ion Ratio Lower Upper

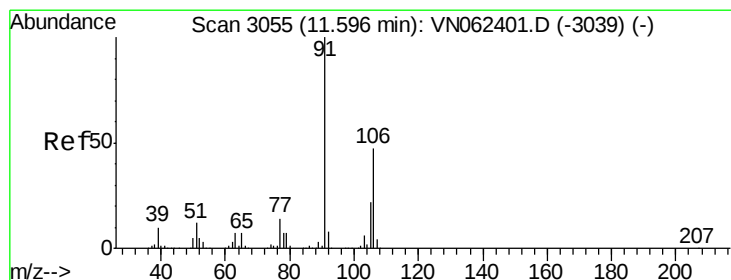
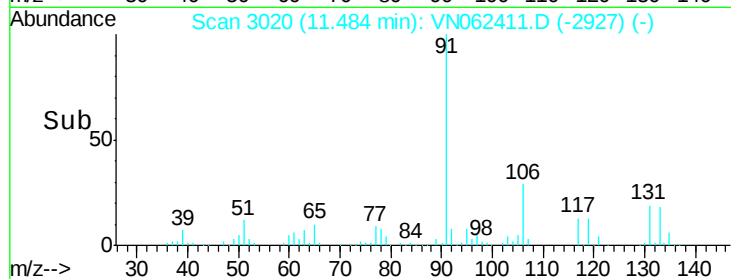
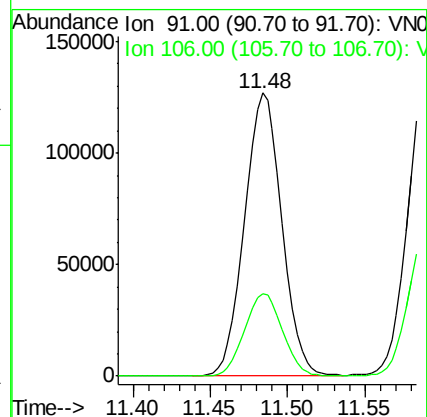
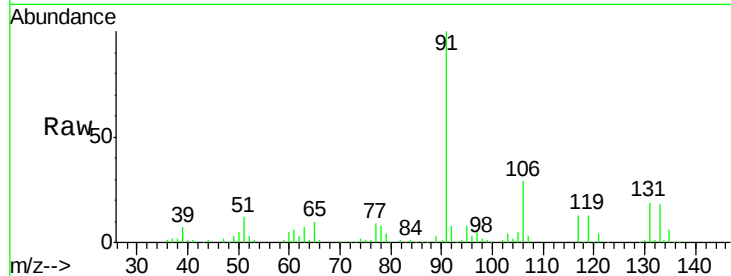
91 100

106 29.2 23.4 35.2

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



#68

m/p-Xylenes

Concen: 39.808 ug/l

RT: 11.60 min Scan# 3055

Delta R.T. 0.00 min

Lab File: VN062411.D

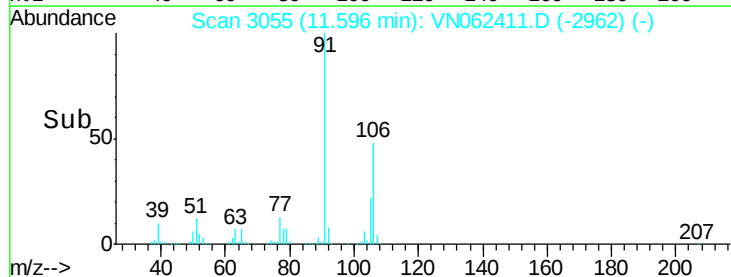
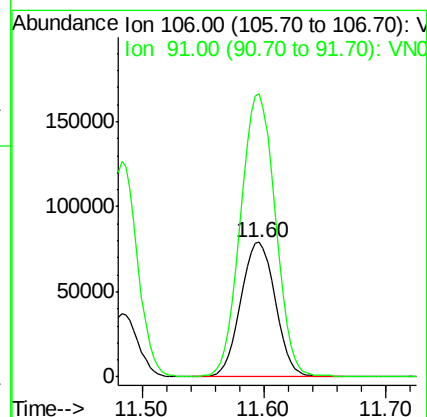
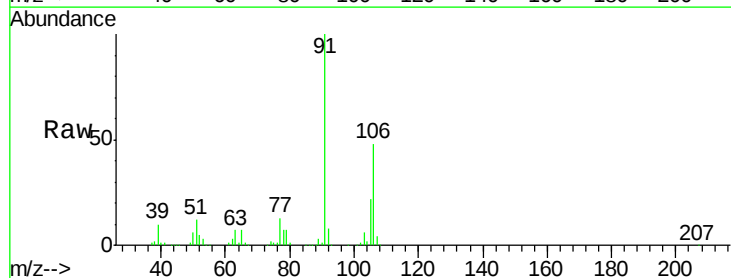
Acq: 8 Jul 2020 16:38

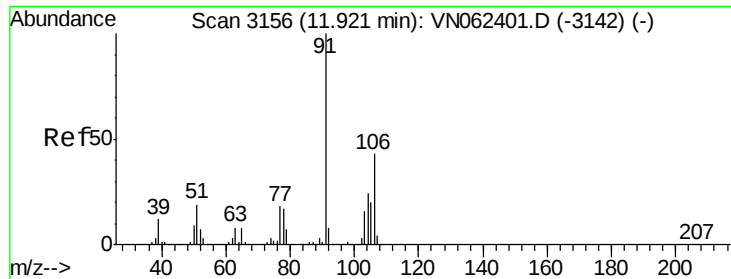
Tgt Ion: 106 Resp: 154950

Ion Ratio Lower Upper

106 100

91 211.6 172.4 258.6





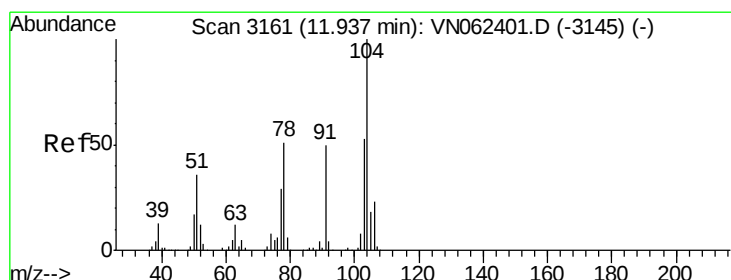
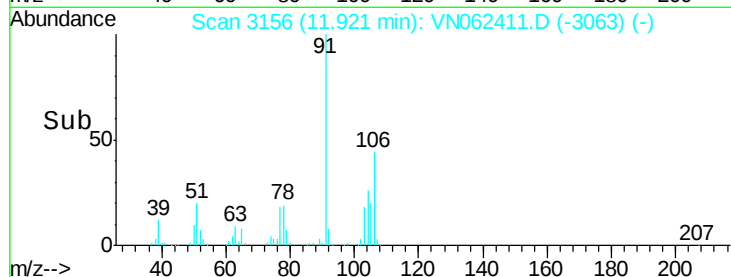
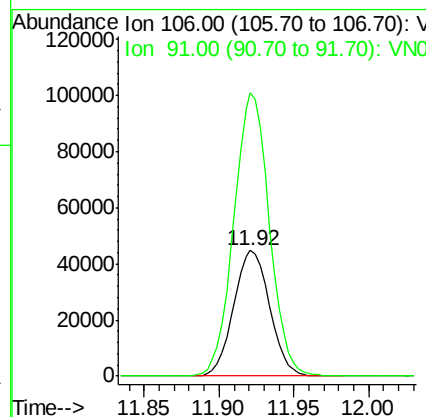
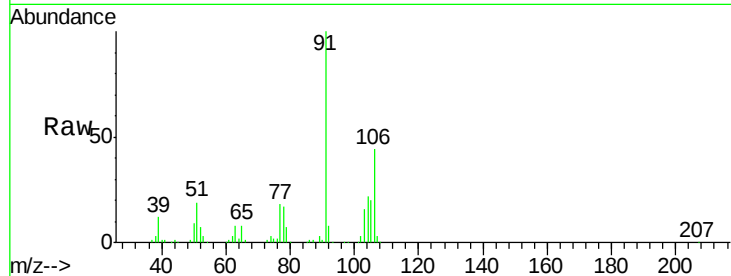
#69
o-Xylene
Concen: 19.841 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN062411.D
Acq: 8 Jul 2020 16:38

Instrument :
MSVOA_N
ClientSampleId :
VN0708WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	91	221.7	113.8	341.4

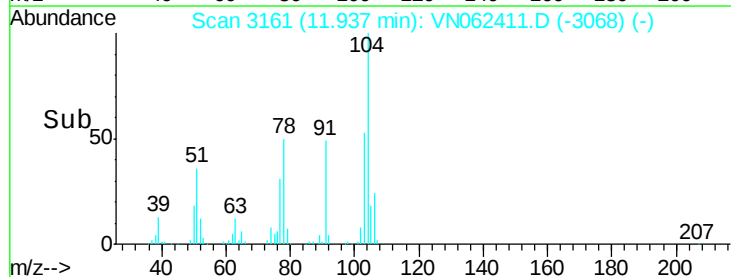
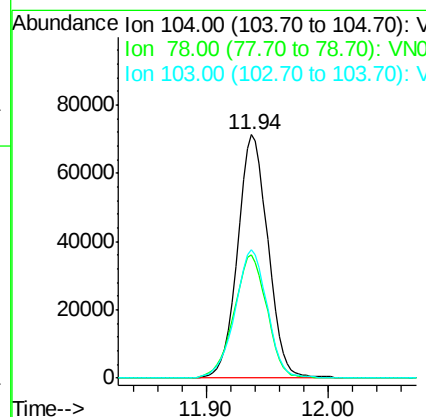
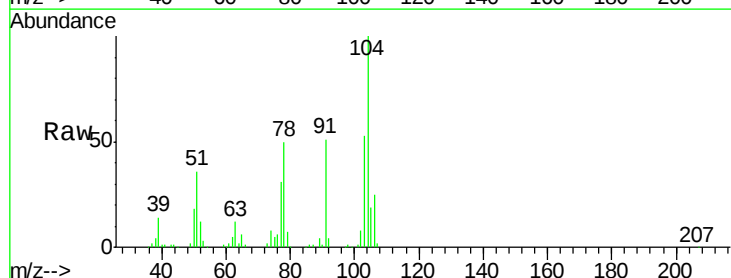
Manual Integrations
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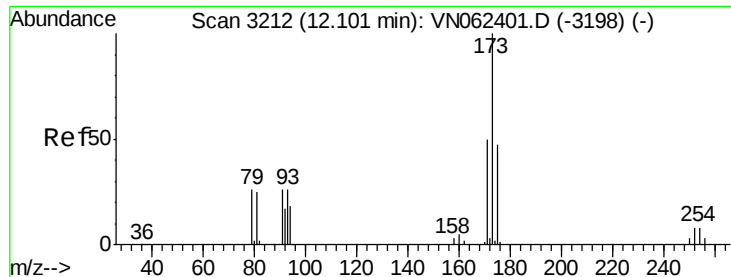
MMDadoda
7/9/2020 10:55:10 AM



#70
Styrene
Concen: 19.673 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN062411.D
Acq: 8 Jul 2020 16:38

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	78	54.8	44.2	66.4
103	103	56.0	44.4	66.6





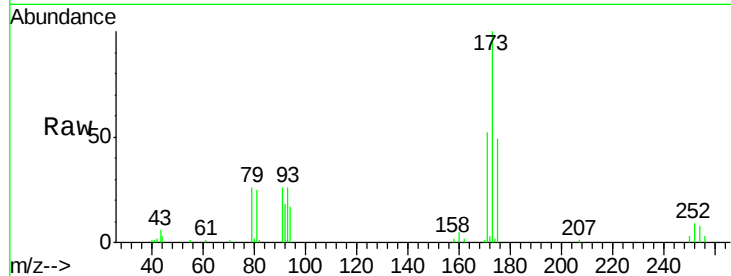
#71
Bromoform
Concen: 19.764 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. 0.00 min
Lab File: VN062411.D
Acq: 8 Jul 2020 16:38

Instrument :
MSVOA_N
ClientSampleId :
VN0708WBSD01

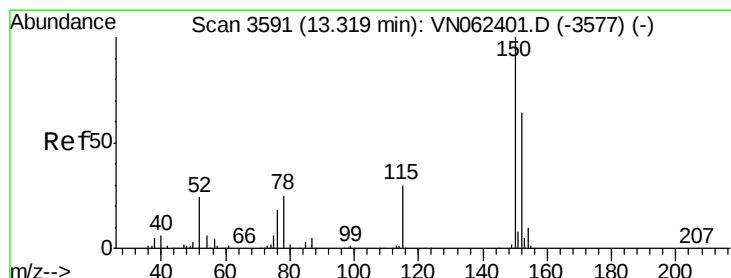
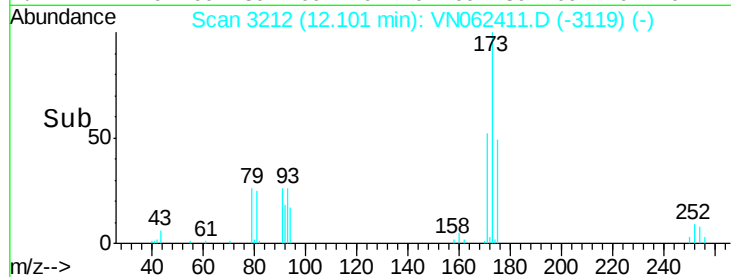
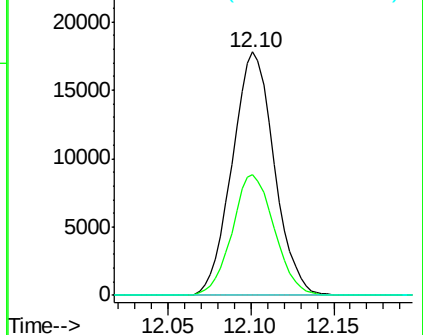
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.7	23.7	71.1
254	0.0	0.0	0.0

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7/9/2020 10:55:10 AM

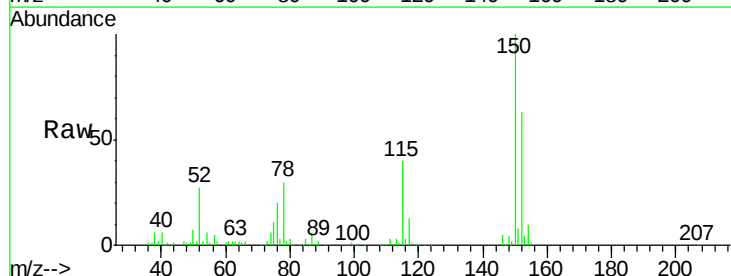


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

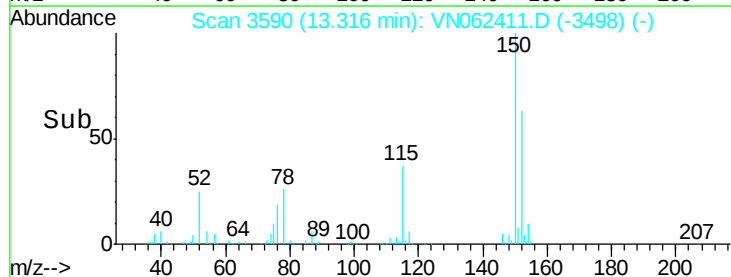
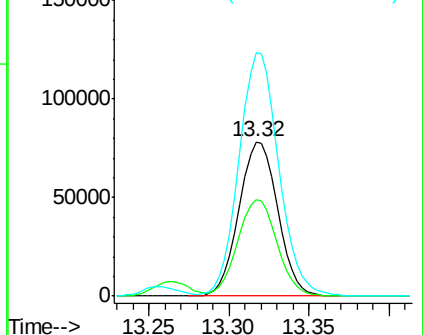


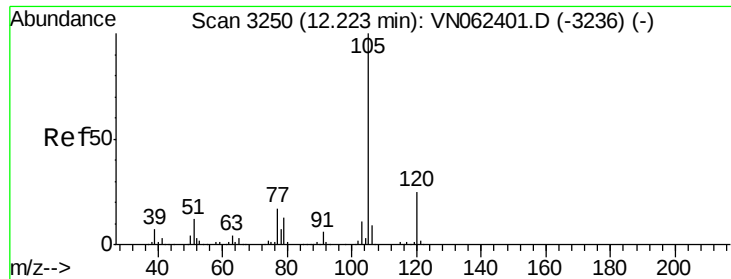
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3590
Delta R.T. -0.00 min
Lab File: VN062411.D
Acq: 8 Jul 2020 16:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.6	31.4	94.2
150	161.6	0.0	347.4



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





#73

Isopropylbenzene

Concen: 19.947 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

Instrument :

MSVOA_N

ClientSampled :

VN0708WBSD01

Tot Ion: 105 Resp: 200660

Ion Ratio Lower Upper

105 100

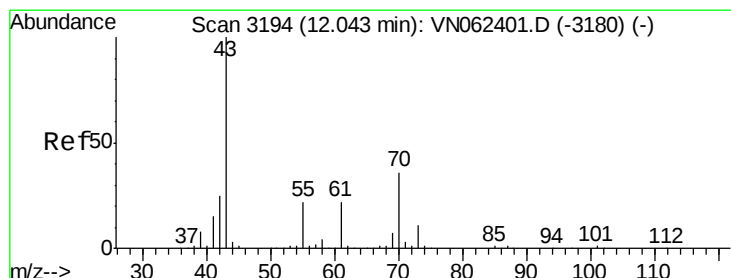
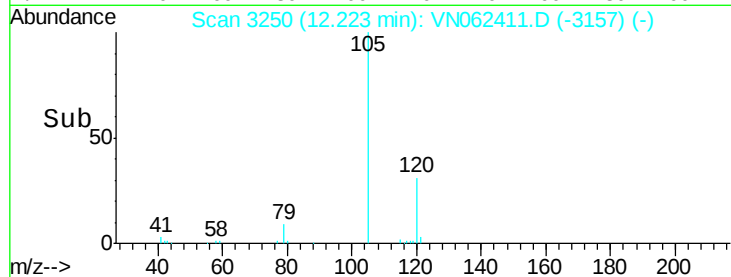
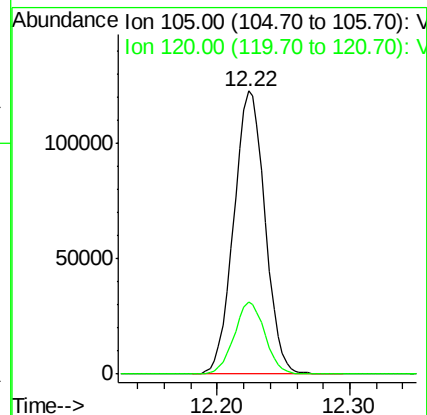
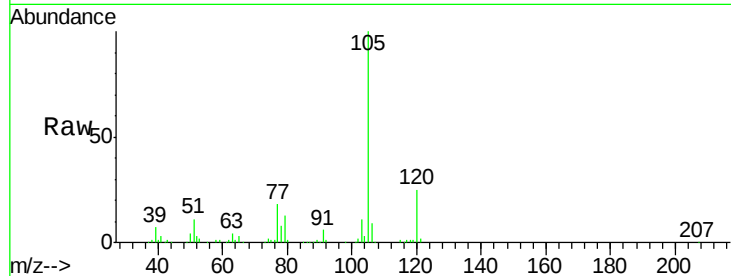
120 24.9 12.7 38.1

Manual Integrations

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7/9/2020 10:55:10 AM



#74

N-ethyl acetate

Concen: 20.067 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

Tgt Ion: 43 Resp: 98253

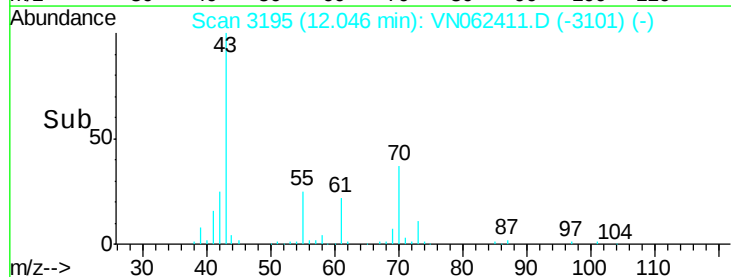
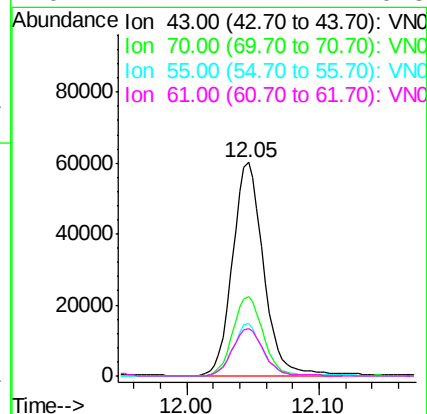
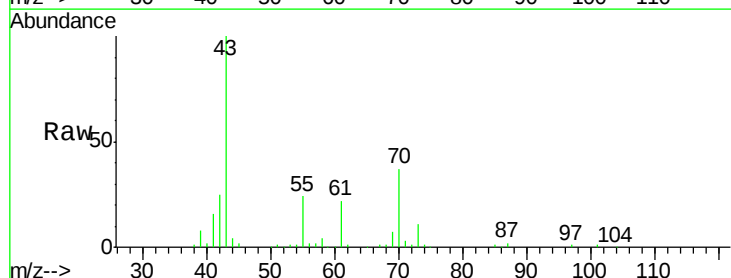
Ion Ratio Lower Upper

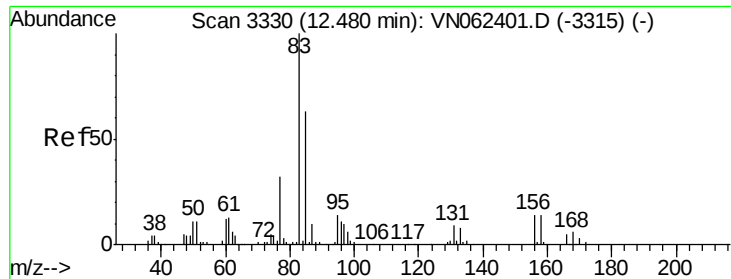
43 100

70 36.5 30.0 45.0

55 23.3 18.2 27.4

61 22.2 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.185 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

Instrument :

MSVOA_N

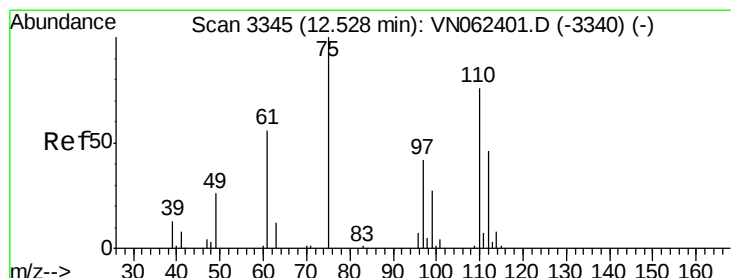
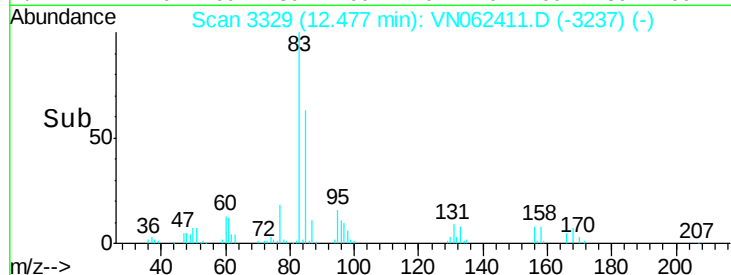
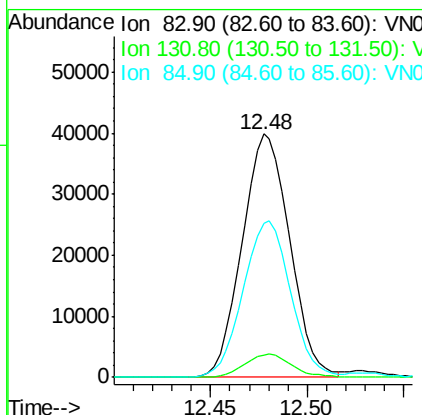
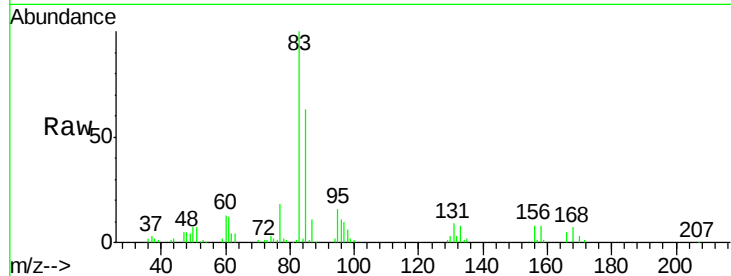
ClientSampled :

VN0708WBSD01

Tot Ion:	83	Resp:	68275
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.5	13.5
85	63.9	31.9	95.9

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



#76

1,2,3-Trichloropropane

Concen: 20.552 ug/l m

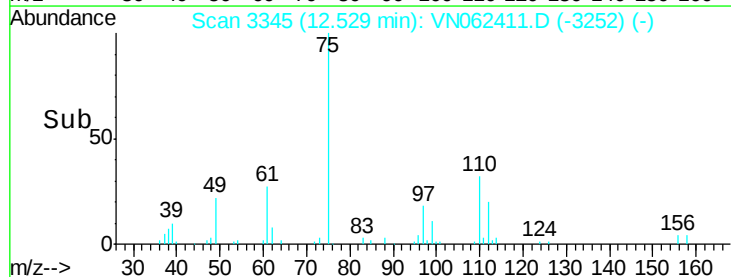
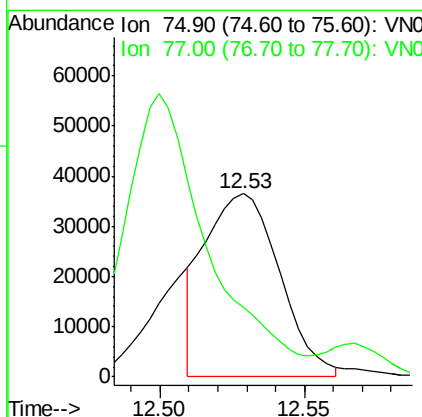
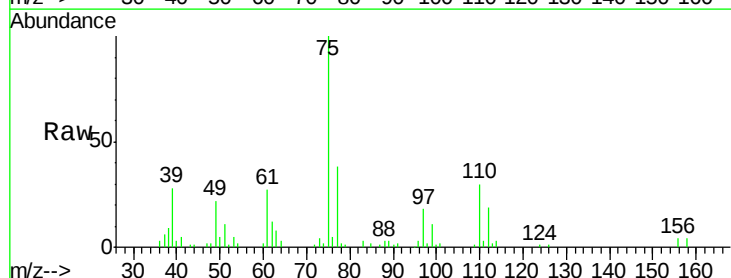
RT: 12.53 min Scan# 3345

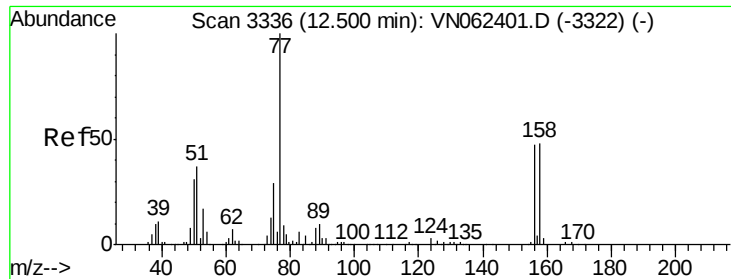
Delta R.T. 0.00 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

Tgt Ion:	75	Resp:	65555
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.897 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

Instrument :

MSVOA_N

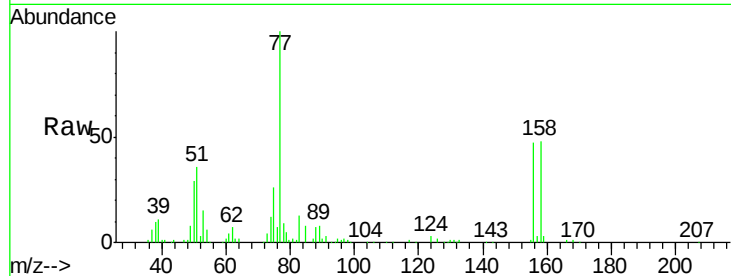
ClientSampled :

VN0708WBSD01

Tot Ion	156	Resp	45505
Ion Ratio	100	Lower	Upper
77	248.9	126.4	379.3
158	99.1	49.8	149.4

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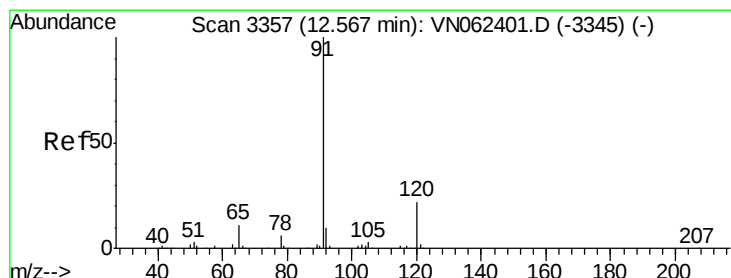
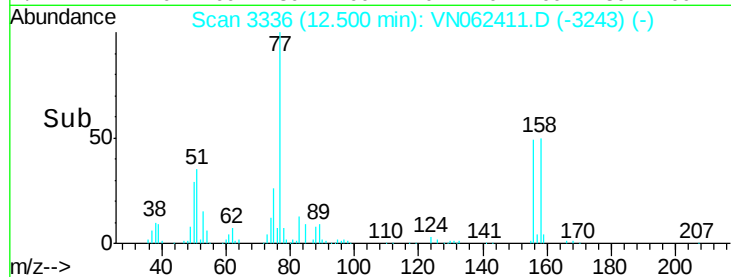
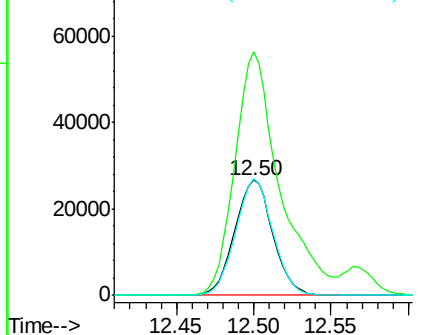
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.878 ug/l

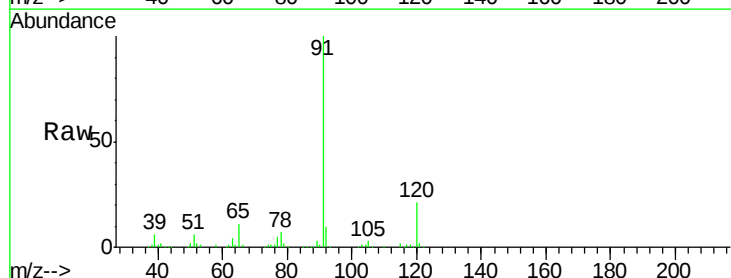
RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN062411.D

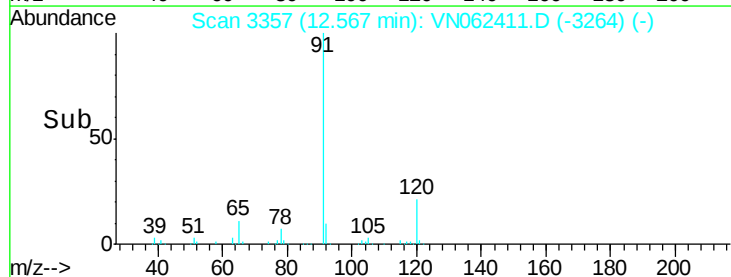
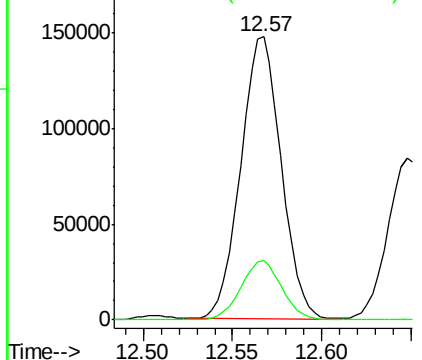
Acq: 8 Jul 2020 16:38

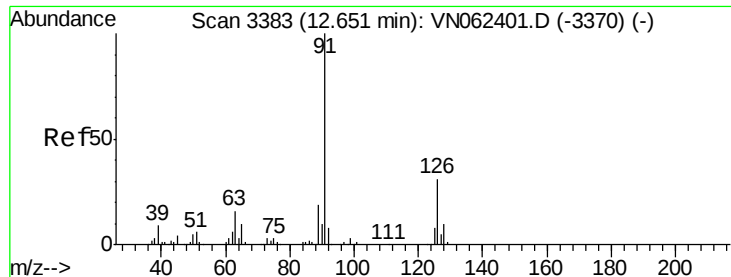
Tgt Ion	91	Resp	233580
Ion Ratio	100	Lower	Upper
91	100		
120	21.2	10.7	32.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.575 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

Instrument :

MSVOA_N

ClientSampled :

VN0708WBSD01

Tot Ion: 91 Resp: 139603

Ion Ratio Lower Upper

91 100

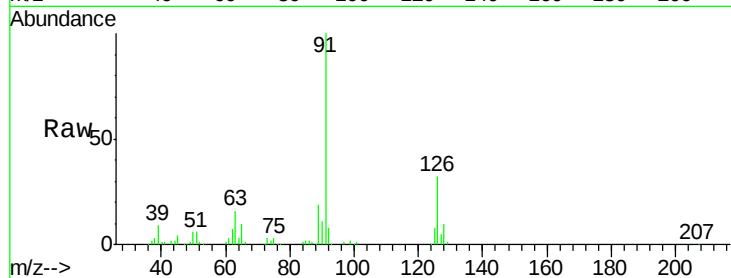
126 32.3 15.6 46.7

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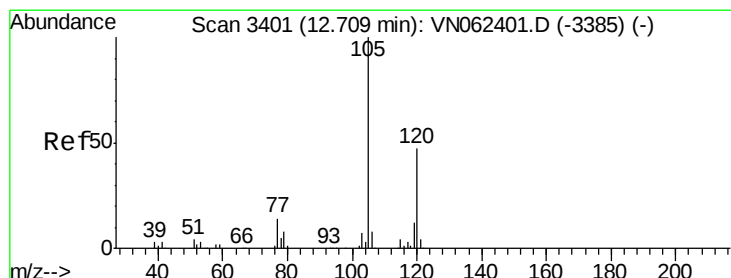
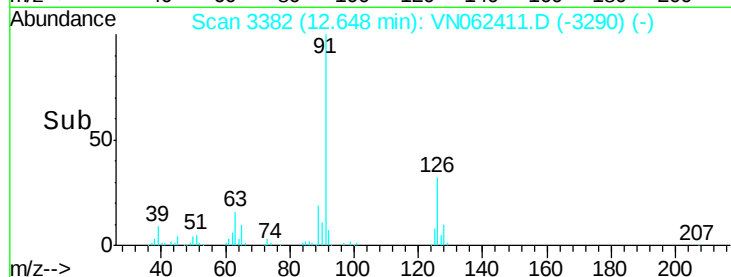
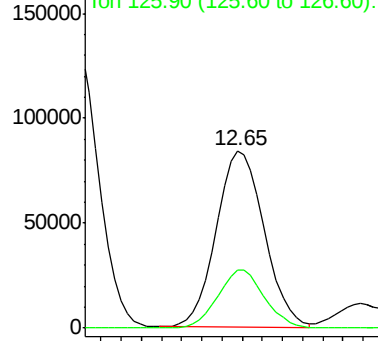
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Abundance Ion 91.00 (90.70 to 91.70): VN062411.D (-3382) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.283 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN062411.D

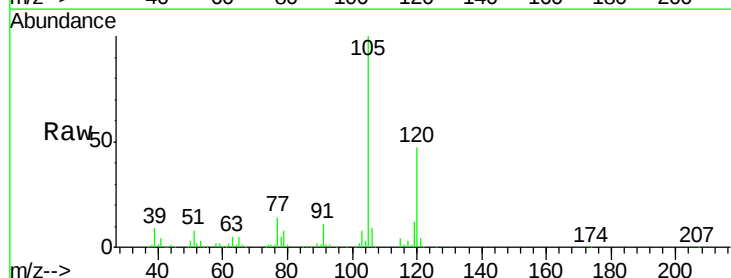
Acq: 8 Jul 2020 16:38

Tgt Ion: 105 Resp: 167268

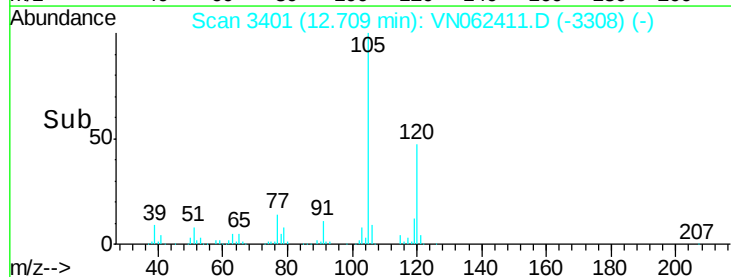
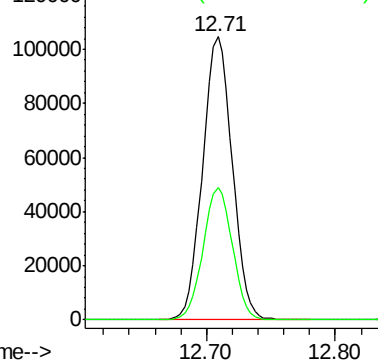
Ion Ratio Lower Upper

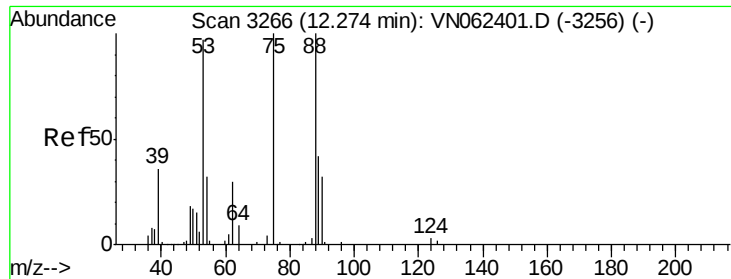
105 100

120 46.2 23.4 70.2



Abundance Ion 105.00 (104.70 to 105.70): VN062411.D (-3399) (-)





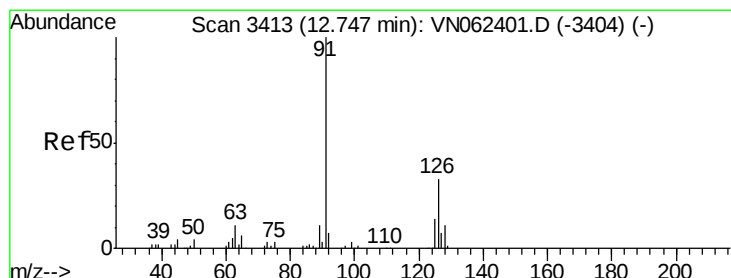
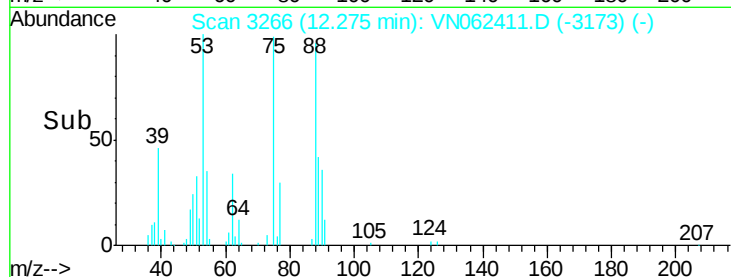
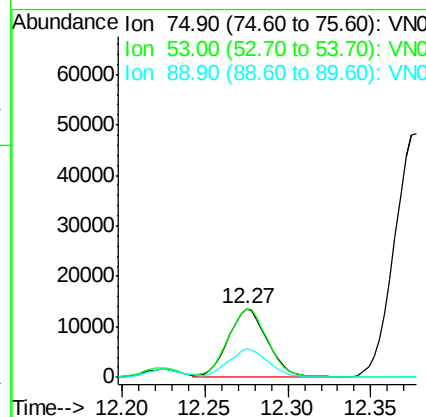
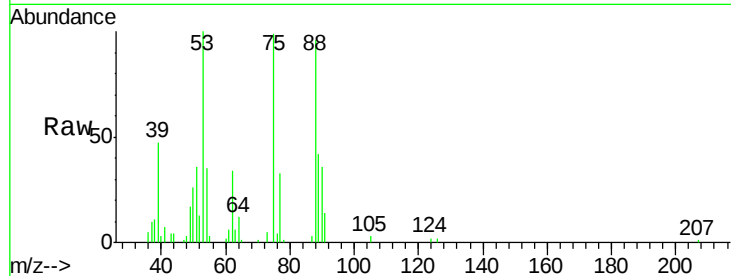
#81
trans-1,4-Dichloro-2-butene
Concen: 18.891 ug/l
RT: 12.27 min Scan# 3266
Delta R.T. 0.00 min
Lab File: VN062411.D
Acq: 8 Jul 2020 16:38

Instrument :
MSVOA_N
ClientSampleId :
VN0708WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.6	79.2	118.8
89	41.8	34.6	52.0

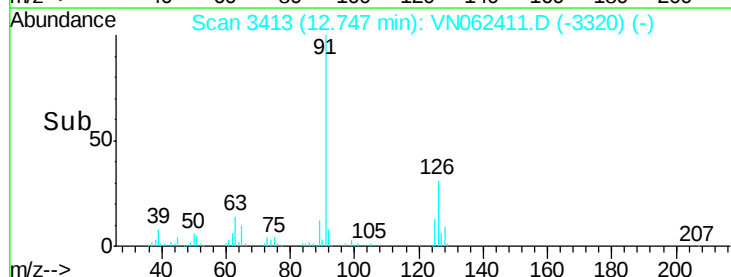
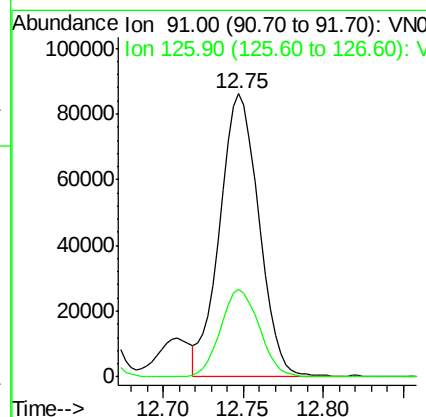
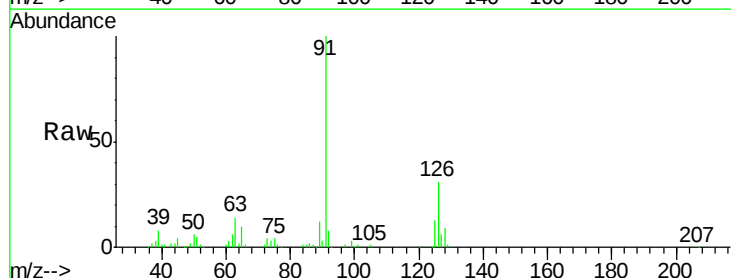
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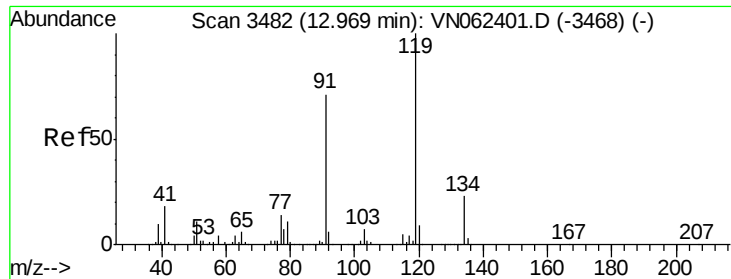
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#82
4-Chlorotoluene
Concen: 19.798 ug/l
RT: 12.75 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VN062411.D
Acq: 8 Jul 2020 16:38

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.2	45.6





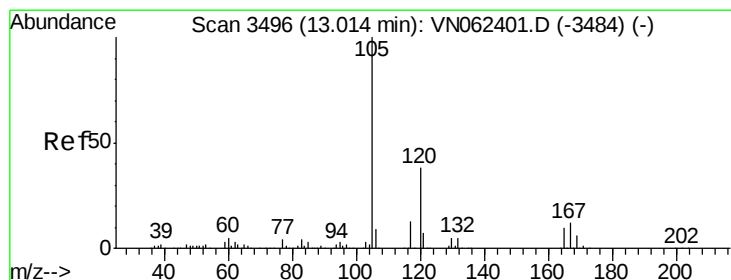
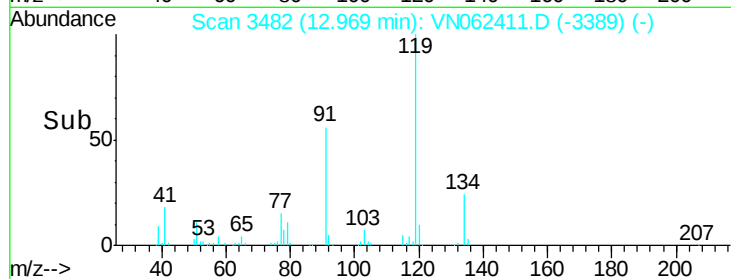
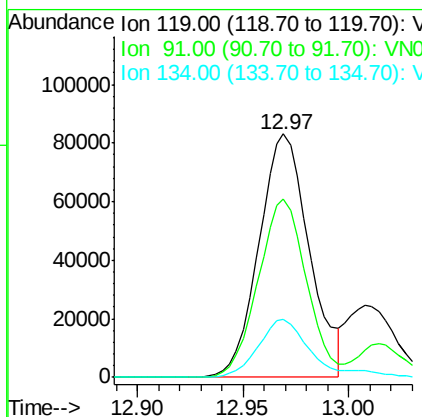
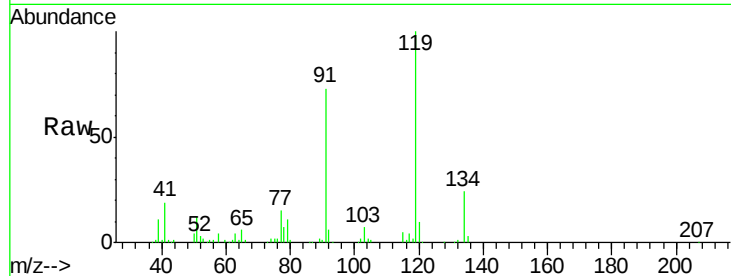
#83
 tert-Butylbenzene
 Concen: 19.702 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. 0.00 min
 Lab File: VN062411.D
 Acq: 8 Jul 2020 16:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0708WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.9	34.8	104.3
134	23.4	11.7	35.0

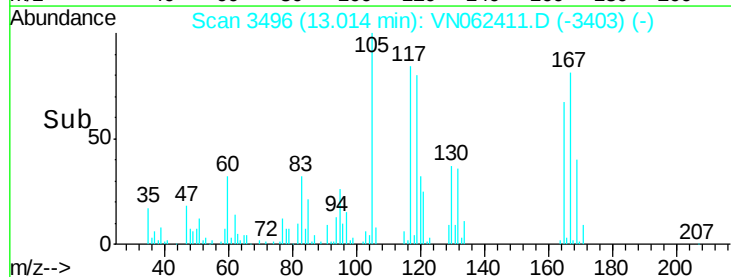
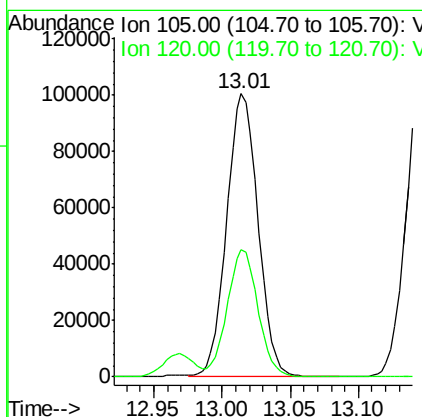
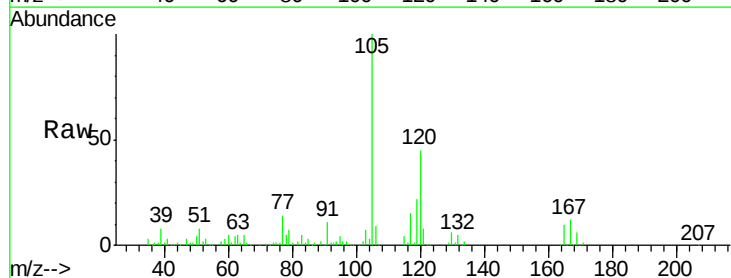
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.497 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN062411.D
 Acq: 8 Jul 2020 16:38

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.2	21.6	64.8





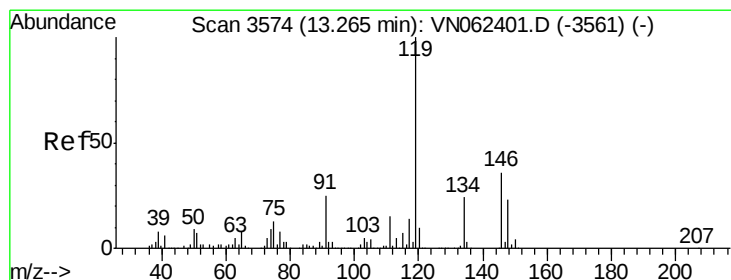
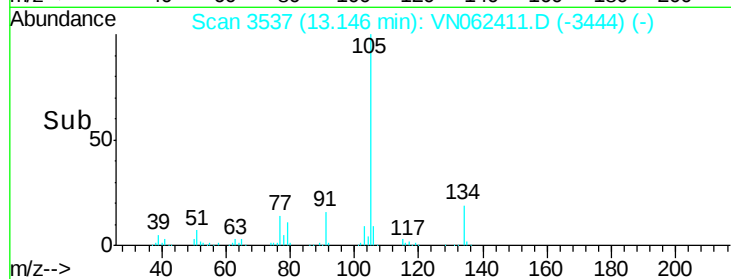
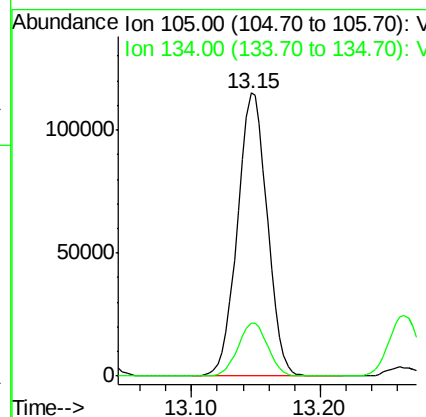
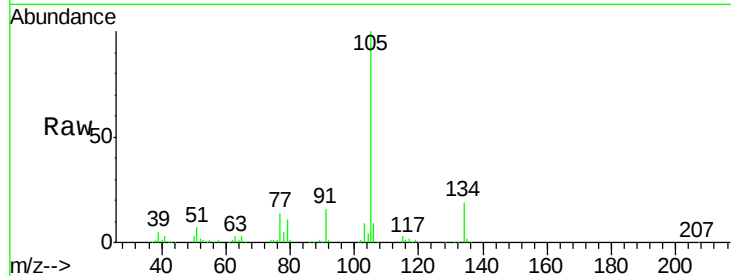
#85
 sec-Butylbenzene
 Concen: 19.925 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. 0.00 min
 Lab File: VN062411.D
 Acq: 8 Jul 2020 16:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0708WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	184775		
134	18.6	9.3	28.0	

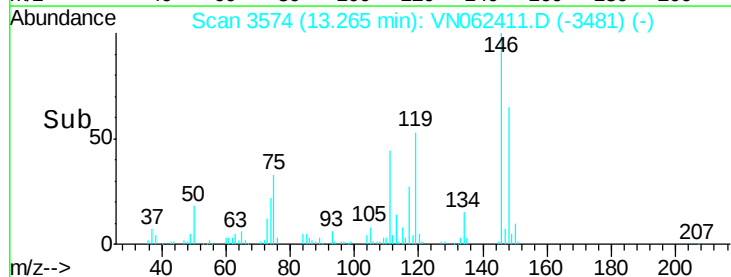
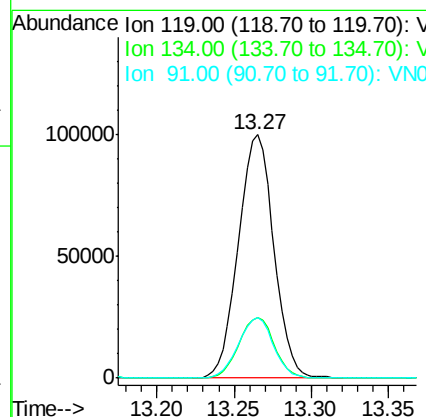
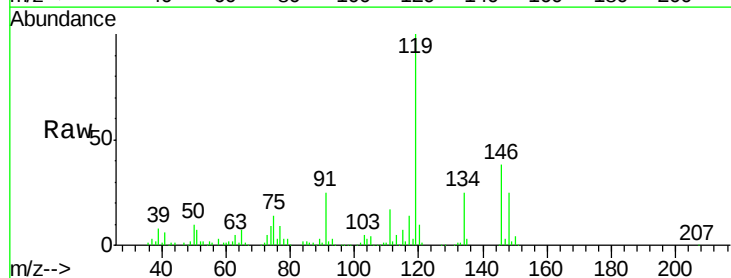
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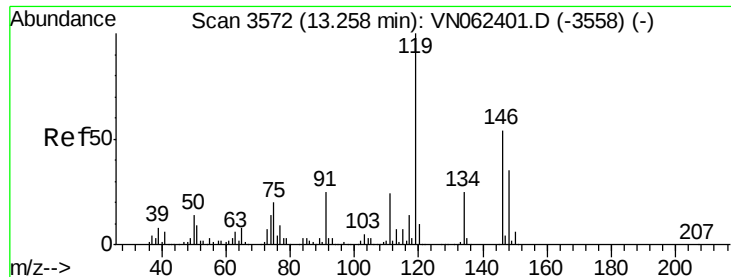
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#86
 p-Isopropyltoluene
 Concen: 19.830 ug/l
 RT: 13.27 min Scan# 3574
 Delta R.T. 0.00 min
 Lab File: VN062411.D
 Acq: 8 Jul 2020 16:38

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	158721		
134	24.9	12.4	37.0	
91	24.8	12.4	37.4	





#87

1,3-Dichlorobenzene

Concen: 19.812 ug/l

RT: 13.26 min Scan# 3572

Delta R.T. 0.00 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

Instrument :

MSVOA_N

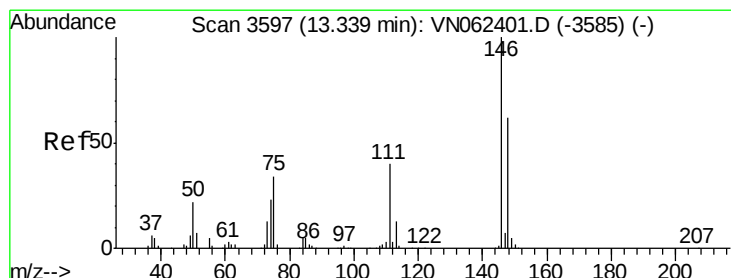
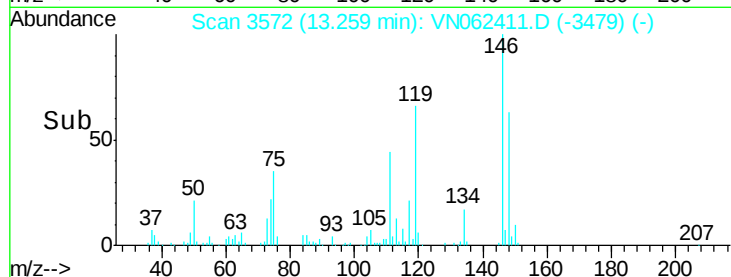
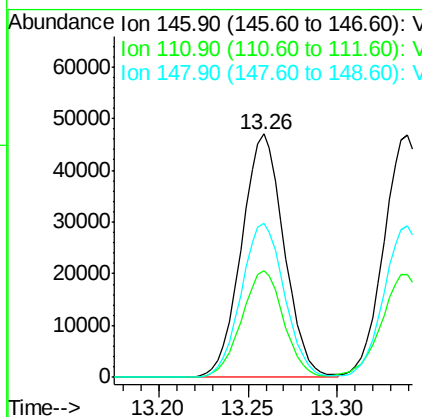
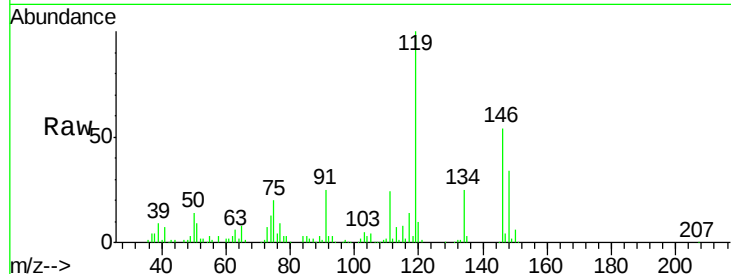
ClientSampleId :

VN0708WBSD01

Tot Ion:	146	Resp:	78166
Ion Ratio	Lower	Upper	
146	100		
111	43.3	21.6	64.6
148	64.1	32.2	96.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.345 ug/l

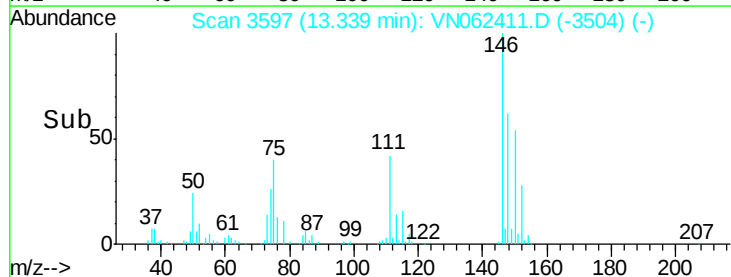
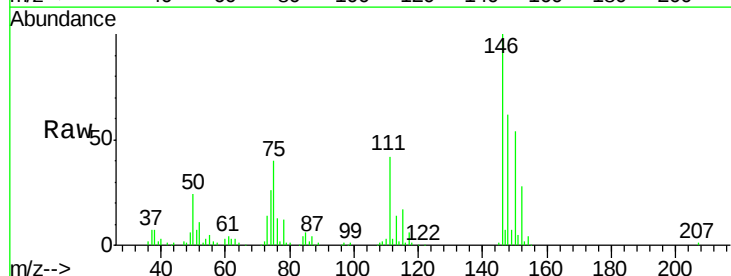
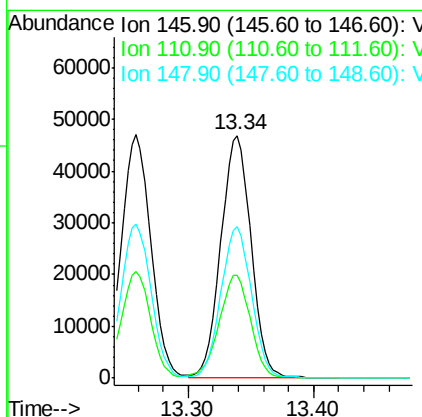
RT: 13.34 min Scan# 3597

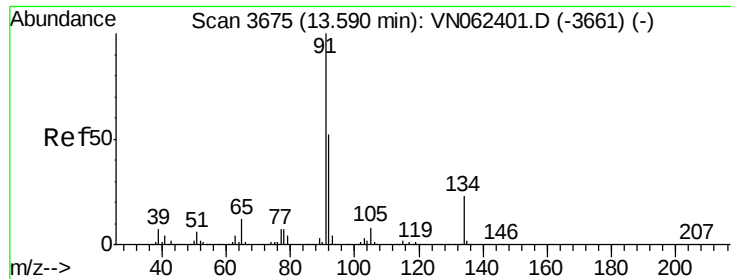
Delta R.T. 0.00 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

Tgt Ion:	146	Resp:	78531
Ion Ratio	Lower	Upper	
146	100		
111	44.1	21.1	63.1
148	63.2	31.4	94.2





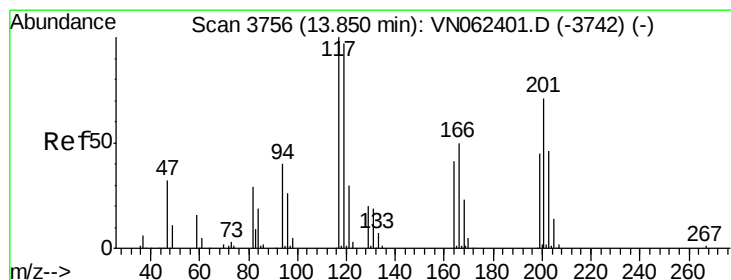
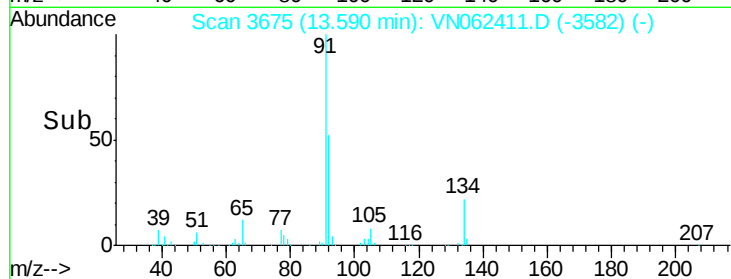
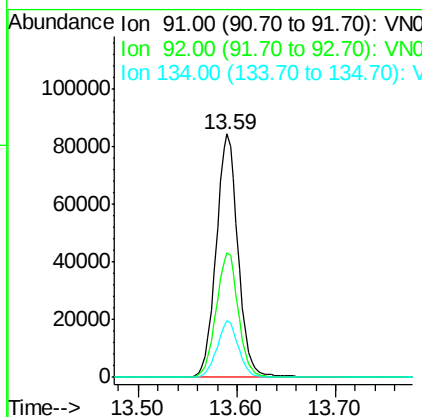
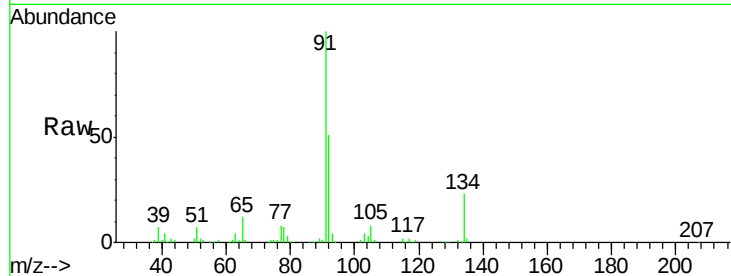
#89
n-Butylbenzene
Concen: 18.544 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN062411.D
Acq: 8 Jul 2020 16:38

Instrument :
MSVOA_N
ClientSampleId :
VN0708WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	25.9	77.7
134	22.7	11.6	34.8

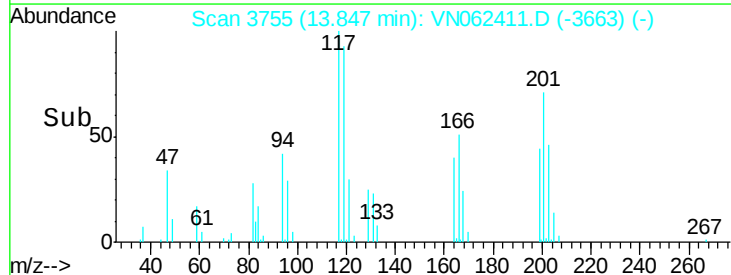
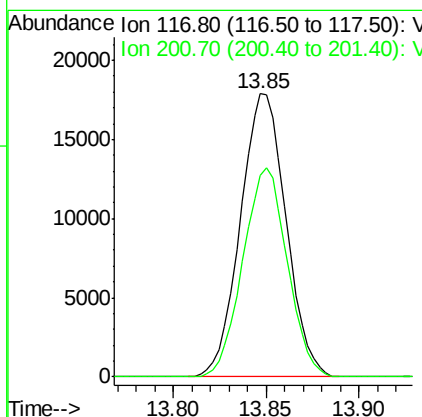
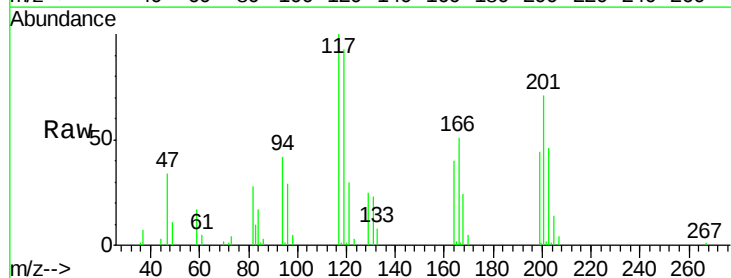
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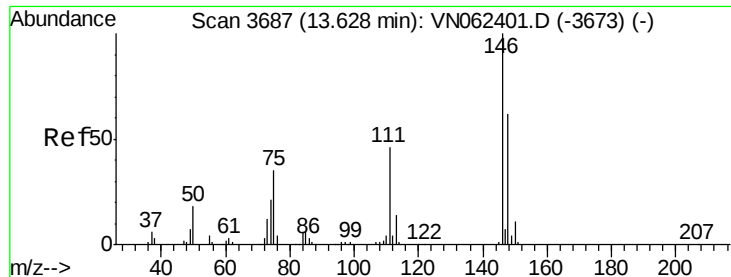
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#90
Hexachloroethane
Concen: 19.410 ug/l
RT: 13.85 min Scan# 3755
Delta R.T. -0.00 min
Lab File: VN062411.D
Acq: 8 Jul 2020 16:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.8	35.4	106.2





#91

1,2-Dichlorobenzene

Concen: 20.172 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. 0.00 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

Instrument :

MSVOA_N

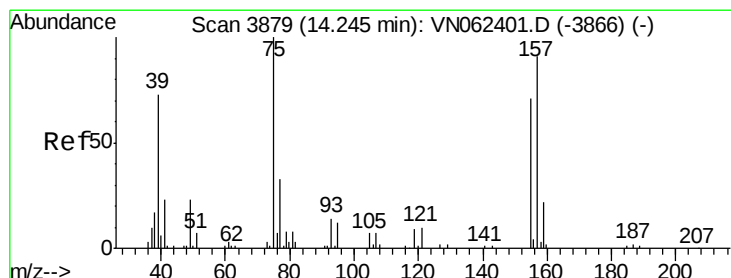
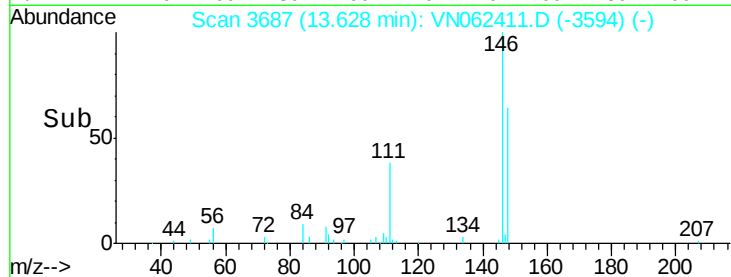
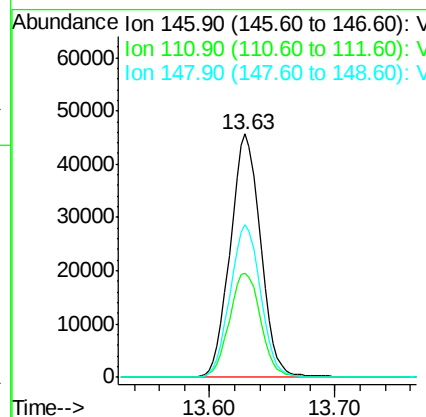
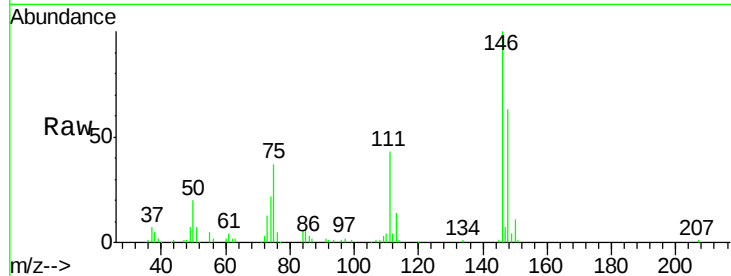
ClientSampleId :

VN0708WBSD01

Tot Ion:	146	Resp:	76950
Ion	Ratio	Lower	Upper
146	100		
111	44.0	22.5	67.5
148	62.7	31.4	94.2

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 20.278 ug/l

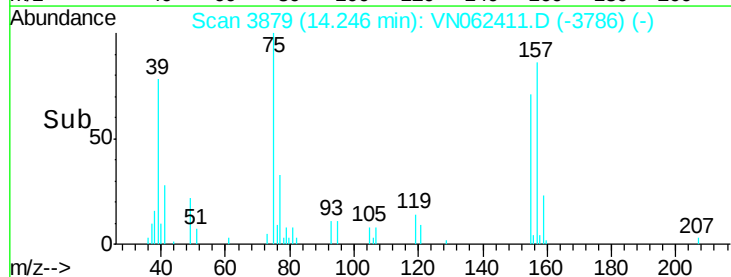
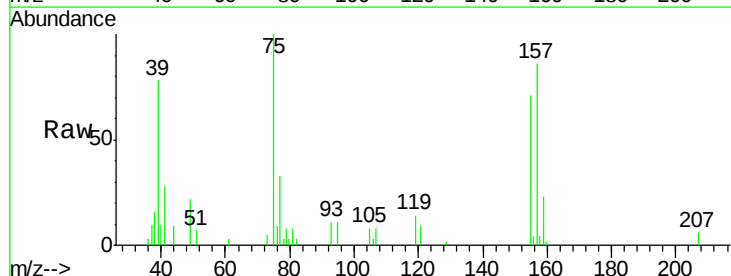
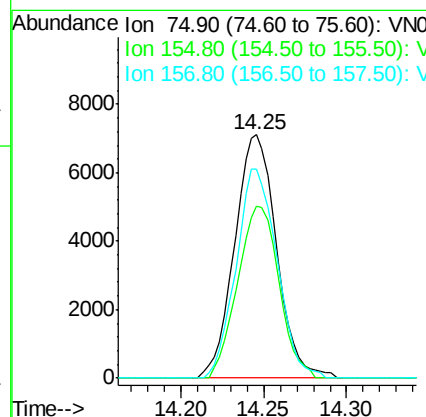
RT: 14.25 min Scan# 3879

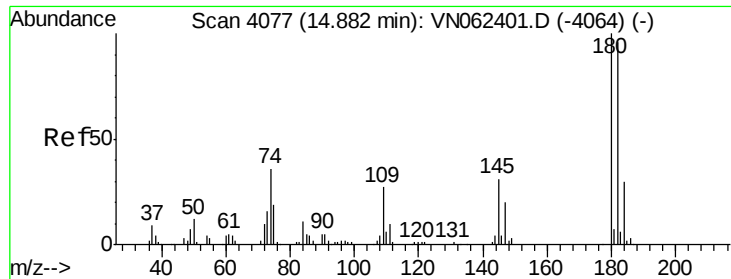
Delta R.T. 0.00 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

Tgt Ion:	75	Resp:	12517
Ion	Ratio	Lower	Upper
75	100		
155	69.5	35.2	105.6
157	84.0	45.8	137.3





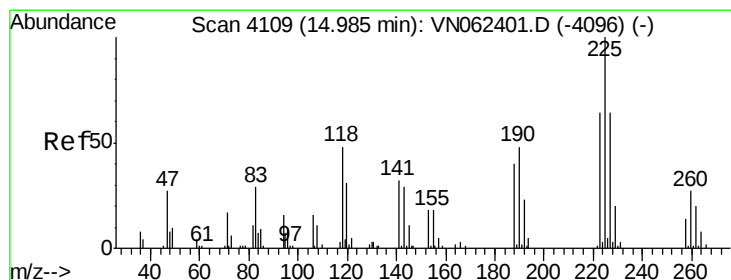
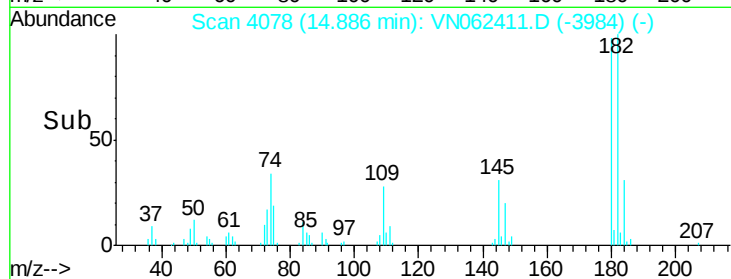
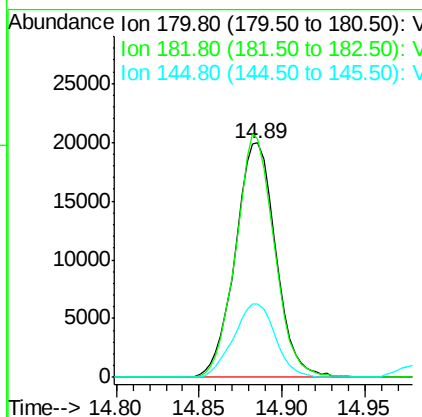
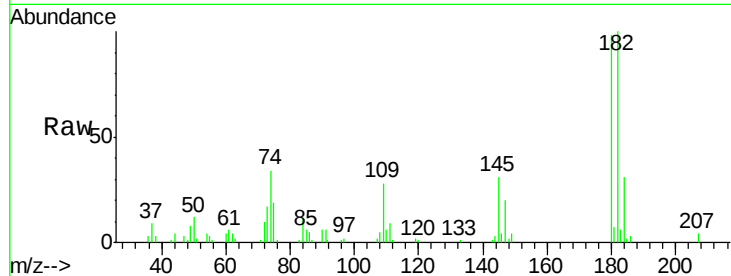
#93
 1,2,4-Trichlorobenzene
 Concen: 19.877 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN062411.D
 Acq: 8 Jul 2020 16:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0708WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	33911		
182	98.5	48.4	145.2	
145	32.2	15.5	46.5	

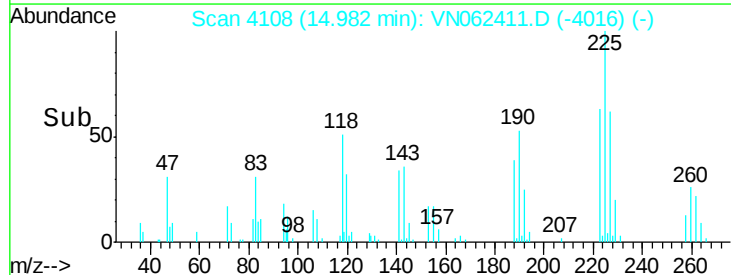
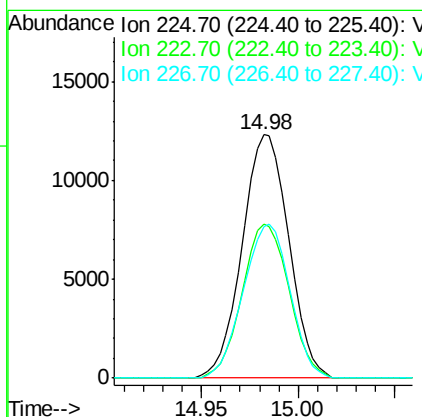
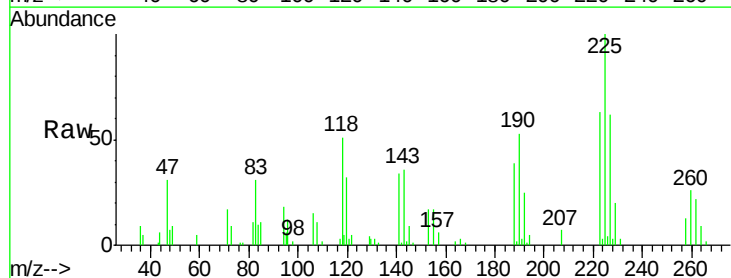
Manual Integrations
 APPROVED

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



#94
 Hexachlorobutadiene
 Concen: 20.359 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN062411.D
 Acq: 8 Jul 2020 16:38

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	20620		
223	63.5	32.3	96.8	
227	63.3	31.9	95.7	





#95

Naphthalene

Concen: 20.384 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

Instrument :

MSVOA_N

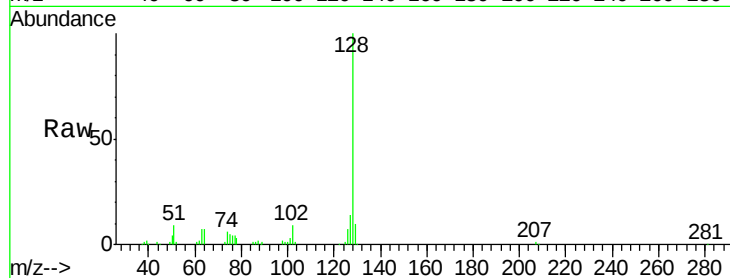
ClientSampleId :

VN0708WBSD01

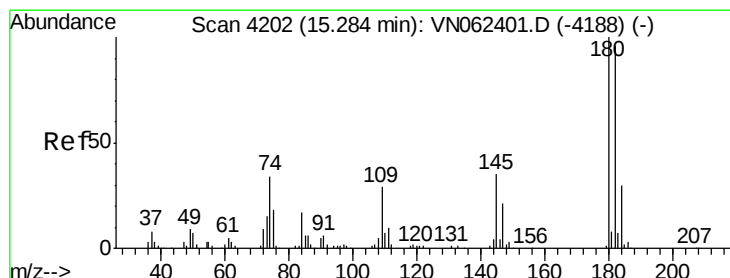
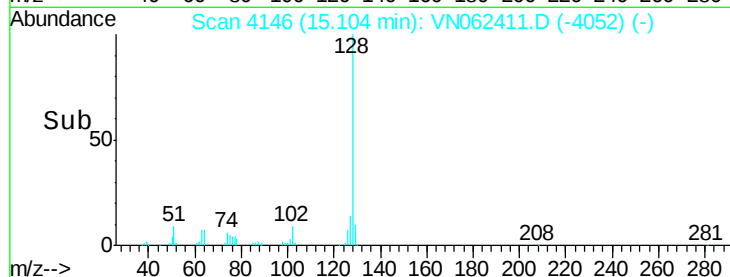
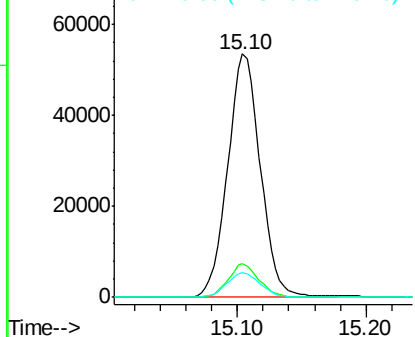
Tot Ion:	128	Resp:	94133
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.2
129	10.4	8.6	12.8

Manual Integrations
APPROVED

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



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.970 ug/l

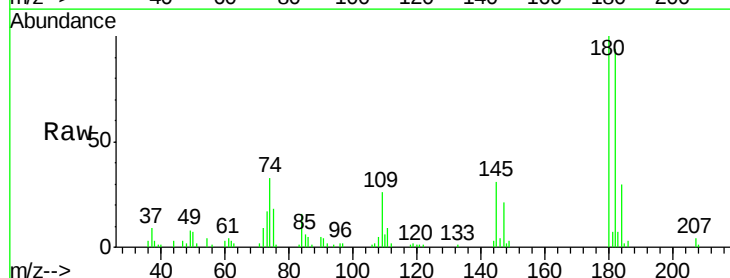
RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

Tgt Ion:	180	Resp:	34578
Ion Ratio	Lower	Upper	
180	100		
182	98.8	47.8	143.4
145	32.9	17.0	50.9



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

