

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091720\
 Data File : VN063411.D
 Acq On : 17 Sep 2020 11:58
 Operator : JC/MD
 Sample : VN0917WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/18/2020 2:55:54 PM

Quant Time: Sep 18 03:07:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	266801	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	458624	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	419469	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	200419	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	222664	49.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.06%	
35) Dibromofluoromethane	7.55	113	157656	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	
50) Toluene-d8	10.06	98	605763	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	
62) 4-Bromofluorobenzene	12.38	95	226131	51.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	58955	19.505	ug/l	97
3) Chloromethane	2.04	50	73506	18.383	ug/l	98
4) Vinyl Chloride	2.16	62	69287	19.558	ug/l	99
5) Bromomethane	2.54	94	44872	21.333	ug/l	98
6) Chloroethane	2.68	64	42416	19.505	ug/l	98
7) Trichlorofluoromethane	2.99	101	105888	20.033	ug/l	99
8) Diethyl Ether	3.38	74	38443	18.657	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	59643	20.065	ug/l	99
10) Methyl Iodide	3.91	142	71995	18.603	ug/l	98
11) Tert butyl alcohol	4.73	59	55839	88.749	ug/l	96
12) 1,1-Dichloroethene	3.70	96	56454	18.750	ug/l	93
13) Acrolein	3.57	56	22129	94.907	ug/l	98
14) Allyl chloride	4.28	41	114407	19.210	ug/l	99
15) Acrylonitrile	4.93	53	153146	95.691	ug/l	99
16) Acetone	3.77	43	130431	89.360	ug/l	99
17) Carbon Disulfide	4.01	76	163179	18.633	ug/l	100
18) Methyl Acetate	4.27	43	68837	18.577	ug/l	98
19) Methyl tert-butyl Ether	4.98	73	210271	18.738	ug/l	100
20) Methylene Chloride	4.50	84	71735	19.398	ug/l	95
21) trans-1,2-Dichloroethene	4.99	96	64110	19.219	ug/l	92
22) Diisopropyl ether	5.90	45	236027	19.432	ug/l	92
23) Vinyl Acetate	5.84	43	965991	96.840	ug/l	100
24) 1,1-Dichloroethane	5.79	63	126029	19.005	ug/l	100
25) 2-Butanone	6.78	43	209390	93.276	ug/l	99
26) 2,2-Dichloropropane	6.78	77	106897	18.309	ug/l	97
27) cis-1,2-Dichloroethene	6.78	96	73277	19.408	ug/l	98
28) Bromochloromethane	7.15	49	57279	18.708	ug/l	100
29) Tetrahydrofuran	7.16	42	142987	93.261	ug/l	99
30) Chloroform	7.33	83	127256	19.128	ug/l	98
31) Cyclohexane	7.61	56	116512	18.575	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	112488	19.010	ug/l	100
36) 1,1-Dichloropropene	7.75	75	95321	19.509	ug/l	99
37) Ethyl Acetate	6.88	43	93210	19.437	ug/l #	95
38) Carbon Tetrachloride	7.73	117	93572	18.761	ug/l	96

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Quant Time: Sep 18 03:07:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	105714	19.935	ug/l	99
40) Benzene	8.00	78	274965	19.714	ug/l	99
41) Methacrylonitrile	7.13	41	43910	20.359	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	110313	19.667	ug/l	100
43) Isopropyl Acetate	8.12	43	162716	18.976	ug/l #	91
44) Trichloroethene	8.80	130	65426	19.340	ug/l	99
45) 1,2-Dichloropropane	9.08	63	74945	19.729	ug/l	99
46) Dibromomethane	9.17	93	49021	19.634	ug/l	99
47) Bromodichloromethane	9.37	83	103196	19.895	ug/l	98
48) Methyl methacrylate	9.16	41	77653	18.433	ug/l	96
49) 1,4-Dioxane	9.17	88	23295	385.322	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	466491	97.178	ug/l	100
52) Toluene	10.12	92	170312	20.309	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	110802	19.135	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	118454	19.393	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	66566	19.984	ug/l	96
56) Ethyl methacrylate	10.40	69	100334	19.295	ug/l	99
57) 1,3-Dichloropropane	10.68	76	116619	19.415	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	248880	91.239	ug/l	99
59) 2-Hexanone	10.72	43	337082	96.925	ug/l	100
60) Dibromochloromethane	10.87	129	72402	19.240	ug/l	98
61) 1,2-Dibromoethane	10.97	107	65910	19.046	ug/l	93
64) Tetrachloroethene	10.60	164	58537	20.494	ug/l	97
65) Chlorobenzene	11.41	112	177760	19.964	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.48	131	66611	20.408	ug/l	97
67) Ethyl Benzene	11.48	91	336213	20.051	ug/l	100
68) m/p-Xylenes	11.59	106	241234	39.901	ug/l	99
69) o-Xylene	11.92	106	114697	19.915	ug/l	97
70) Styrene	11.94	104	194991	20.189	ug/l	99
71) Bromoform	12.10	173	46127	18.970	ug/l #	99
73) Isopropylbenzene	12.22	105	319452	19.891	ug/l	99
74) N-amyl acetate	12.05	43	142043	18.684	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	96179	19.341	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	88770m	17.895	ug/l	
77) Bromobenzene	12.50	156	72284	20.008	ug/l	98
78) n-propylbenzene	12.57	91	373783	19.982	ug/l	99
79) 2-Chlorotoluene	12.65	91	226265	20.178	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	271505	20.273	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	30642	16.935	ug/l	93
82) 4-Chlorotoluene	12.75	91	238931	20.167	ug/l	99
83) tert-Butylbenzene	12.97	119	216609	19.597	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	266914	19.731	ug/l	99
85) sec-Butylbenzene	13.15	105	290287	19.620	ug/l	99
86) p-Isopropyltoluene	13.26	119	264044	20.234	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	132682	19.815	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	136601	20.065	ug/l	99
89) n-Butylbenzene	13.59	91	241537	20.080	ug/l	98
90) Hexachloroethane	13.85	117	47293	19.032	ug/l	96
91) 1,2-Dichlorobenzene	13.63	146	131091	19.941	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	21656	18.288	ug/l	97

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ALS Vial : 5 Sample Multiplier: 1

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ClientSampleId :
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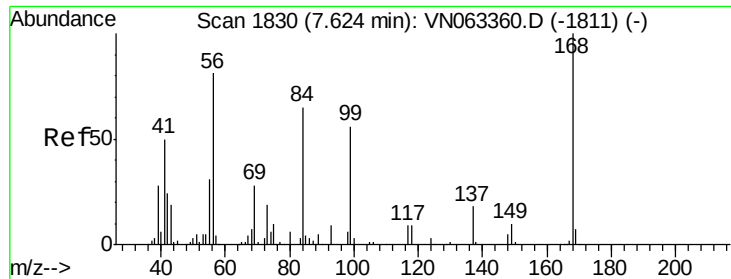
Manual Integrations
APPROVED

MMDadoda
9/18/2020 2:55:54 PM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	74599	19.248	ug/l	98
94) Hexachlorobutadiene	14.98	225	34211	21.322	ug/l	99
95) Naphthalene	15.10	128	239836	18.731	ug/l	98
96) 1,2,3-Trichlorobenzene	15.29	180	70221	18.752	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN063411.D

Acq: 17 Sep 2020 11:58

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBS01

Tot Ion:168 Resp: 266801

Ion Ratio Lower Upper

168 100

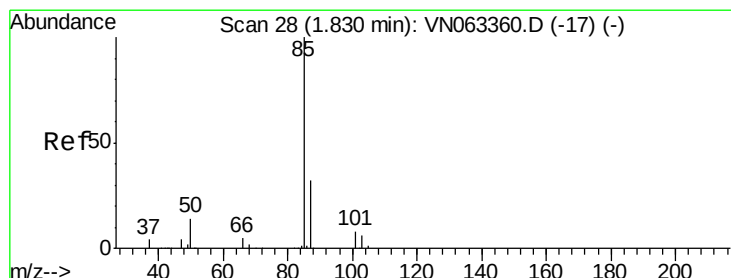
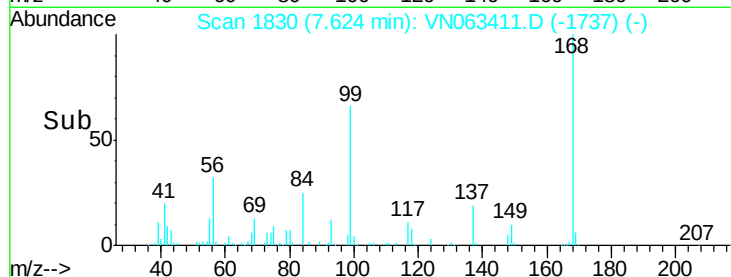
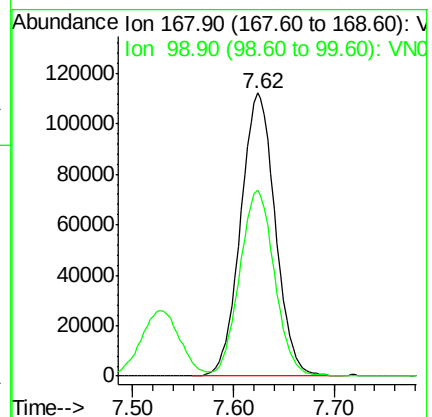
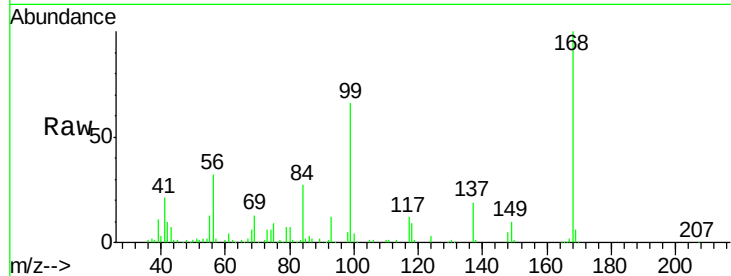
99 65.3 53.0 79.6

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 19.505 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN063411.D

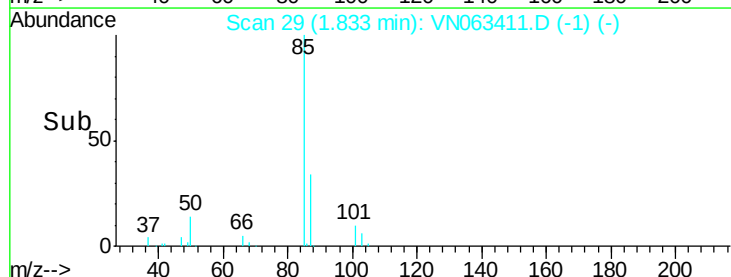
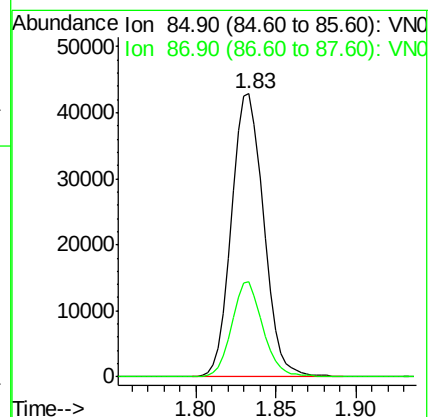
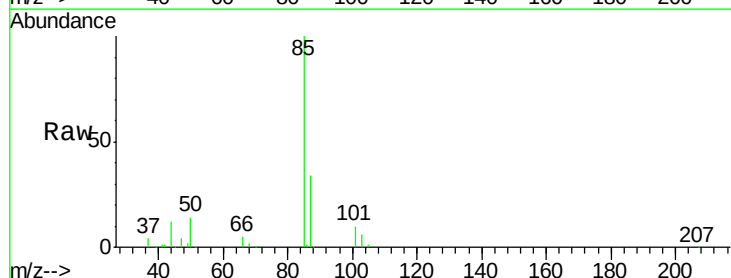
Acq: 17 Sep 2020 11:58

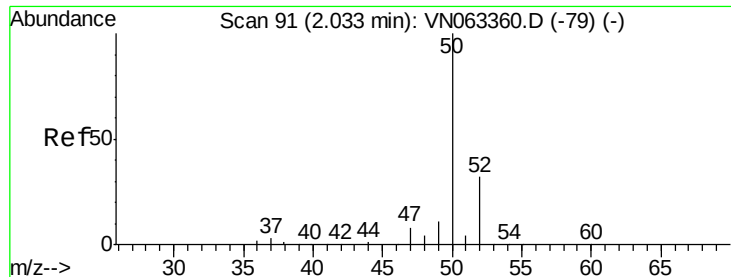
Tgt Ion: 85 Resp: 58955

Ion Ratio Lower Upper

85 100

87 33.5 15.9 47.6





#3

Chloromethane

Concen: 18.383 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063411.D

Acq: 17 Sep 2020 11:58

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBS01

Tot Ion: 50 Resp: 73506

Ion Ratio Lower Upper

50 100

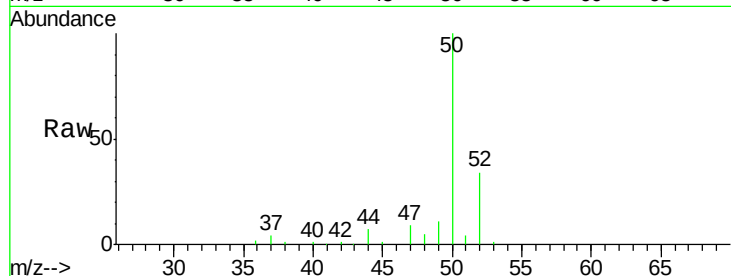
52 33.6 25.9 38.9

Manual Integrations

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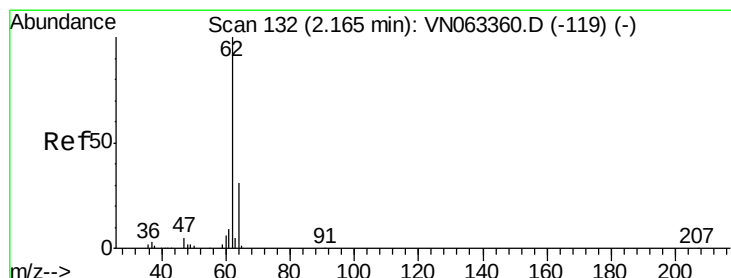
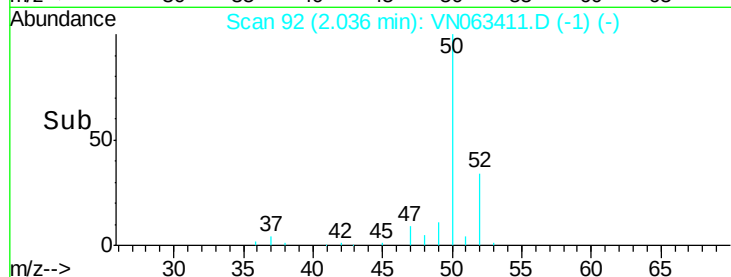
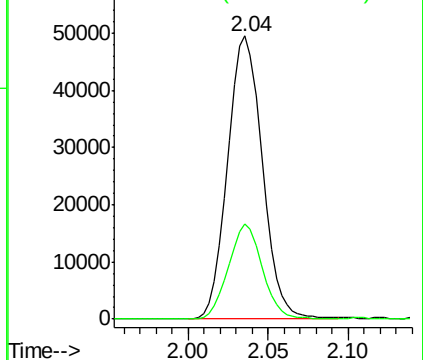
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 19.558 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN063411.D

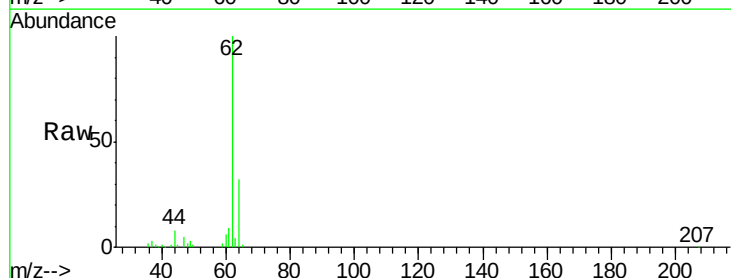
Acq: 17 Sep 2020 11:58

Tgt Ion: 62 Resp: 69287

Ion Ratio Lower Upper

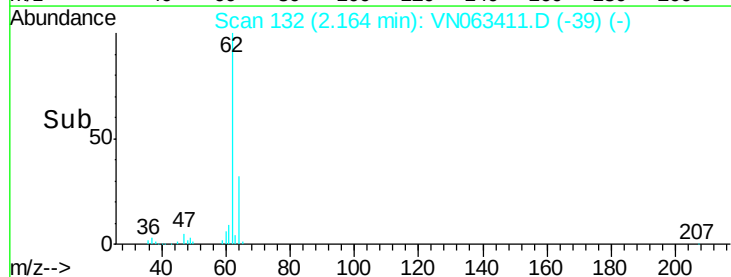
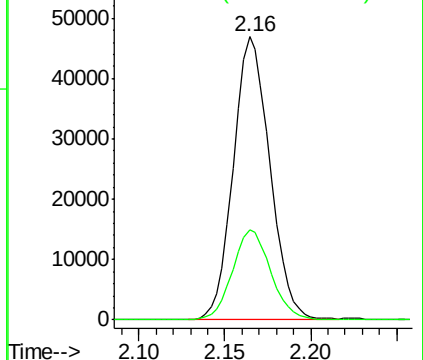
62 100

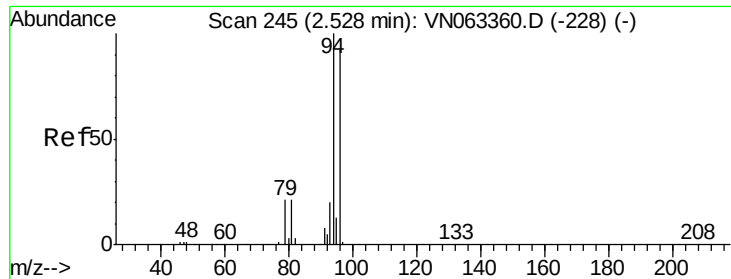
64 32.0 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 21.333 ug/l

RT: 2.54 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN063411.D

Acq: 17 Sep 2020 11:58

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBS01

Tot Ion: 94 Resp: 44872

Ion Ratio Lower Upper

94 100

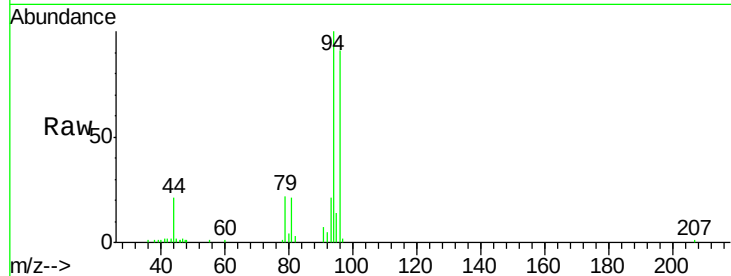
96 91.3 74.5 111.7

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

25000

20000

15000

10000

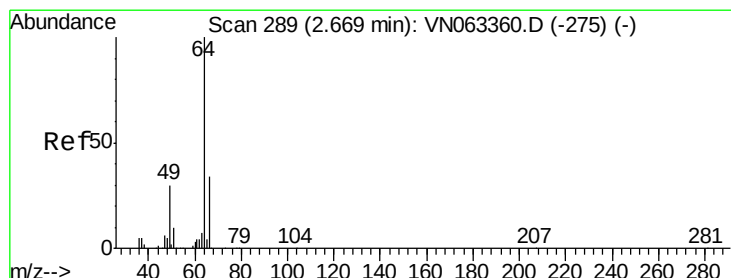
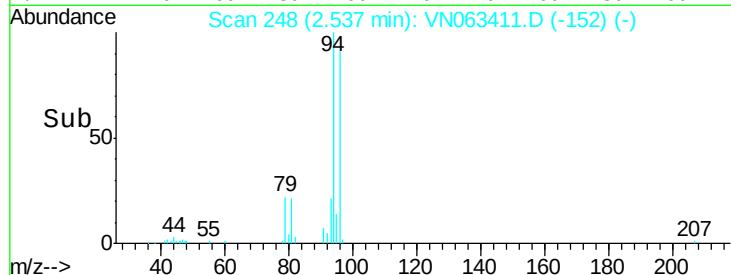
5000

0

Time-->

2.45 2.50 2.55 2.60 2.65

2.54



#6

Chloroethane

Concen: 19.505 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.01 min

Lab File: VN063411.D

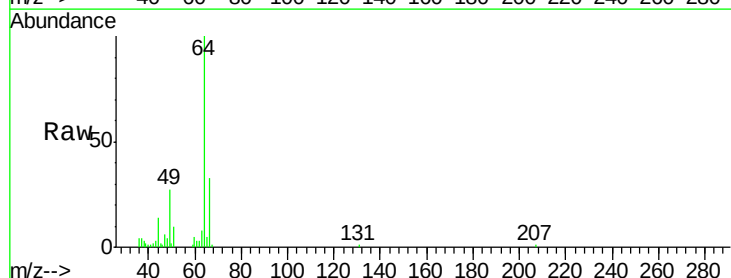
Acq: 17 Sep 2020 11:58

Tgt Ion: 64 Resp: 42416

Ion Ratio Lower Upper

64 100

66 32.6 26.9 40.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

25000

20000

15000

10000

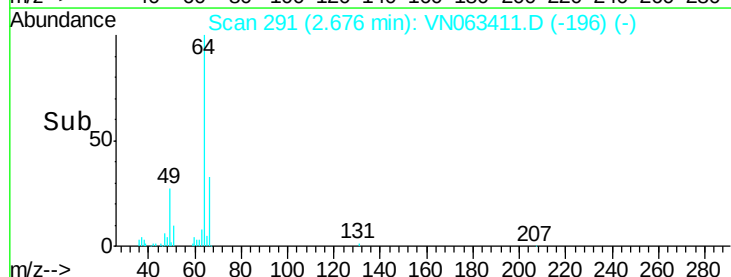
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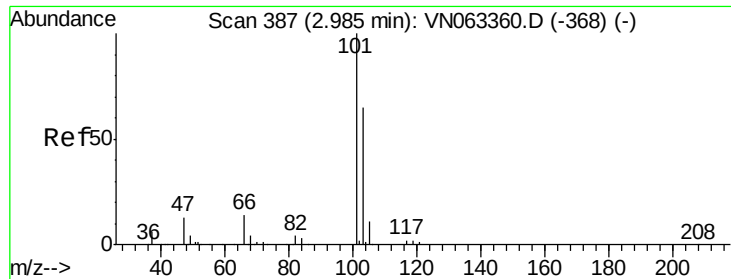
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Time-->

2.60 2.65 2.70 2.75

2.68





#7

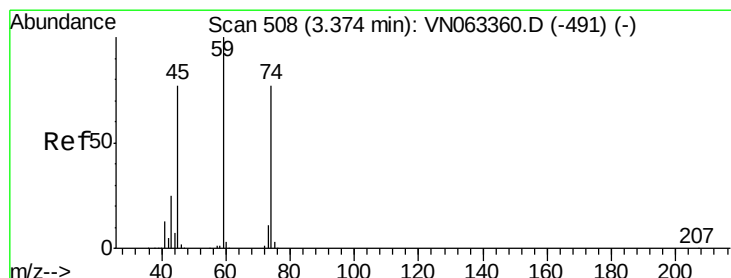
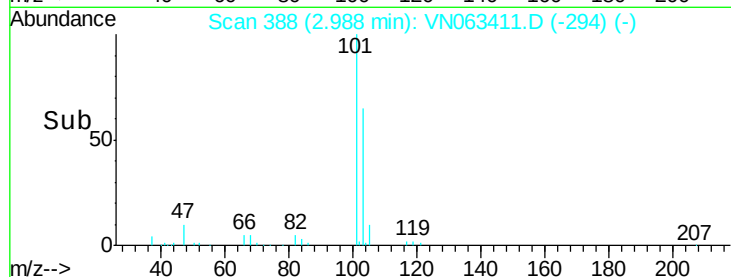
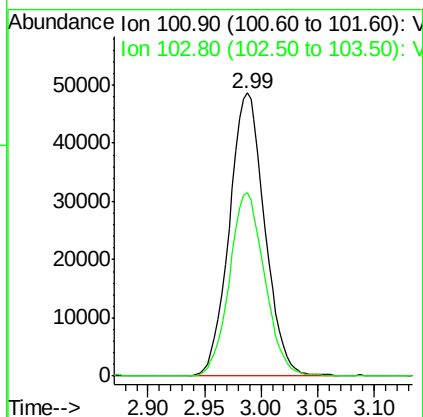
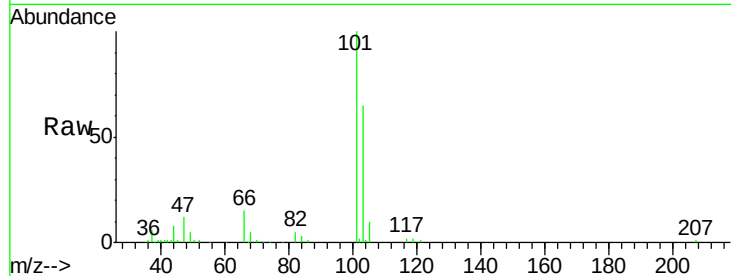
Trichlorofluoromethane
 Concen: 20.033 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN063411.D
 Acq: 17 Sep 2020 11:58

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 VN0917WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	105888		
103	64.7	52.3	78.5	

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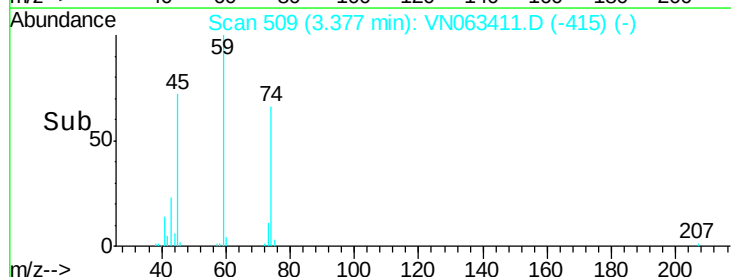
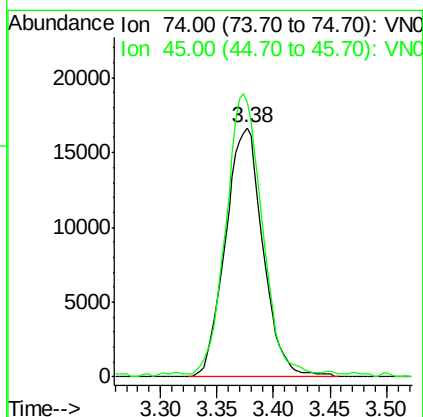
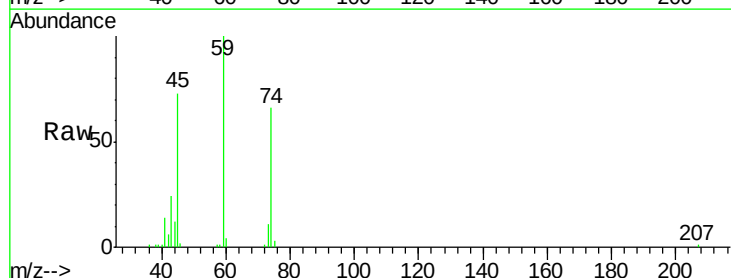
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 9/18/2020 2:55:54 PM

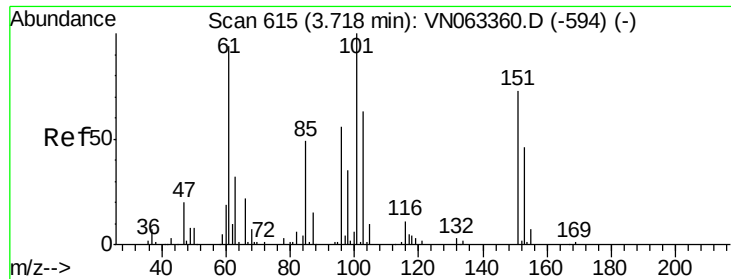


#8

Diethyl Ether
 Concen: 18.657 ug/l
 RT: 3.38 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN063411.D
 Acq: 17 Sep 2020 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	38443		
45	107.7	52.1	156.4	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.065 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN063411.D

Acq: 17 Sep 2020 11:58

Instrument :

MSVOA_N

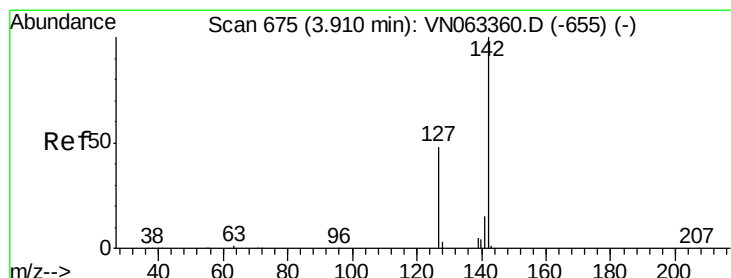
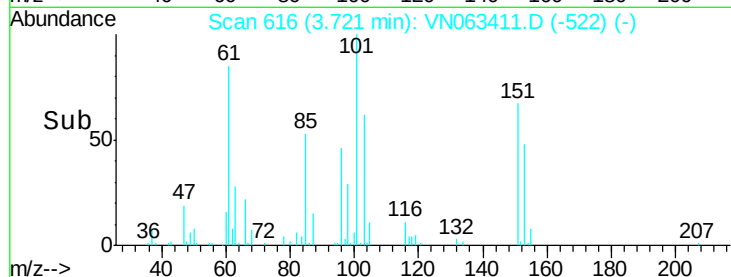
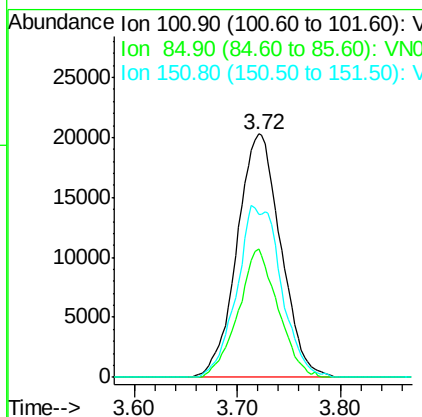
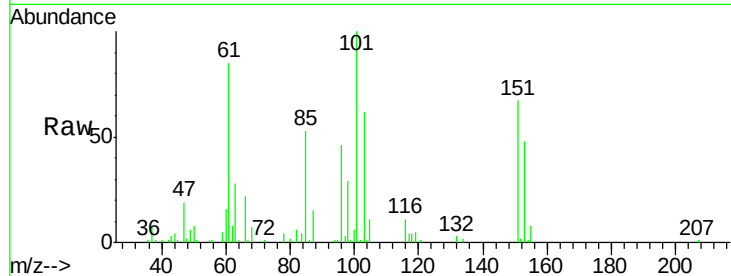
ClientSampleId :

VN0917WBS01

Tot Ion:	101	Resp:	59643
Ion Ratio	Lower	Upper	
101	100		
85	48.0	37.7	56.5
151	71.5	57.7	86.5

Manual Integrations
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#10

Methyl Iodide

Concen: 18.603 ug/l

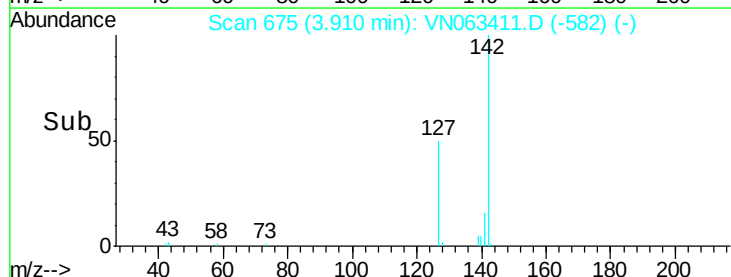
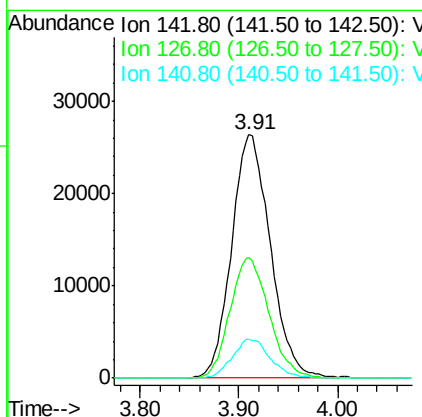
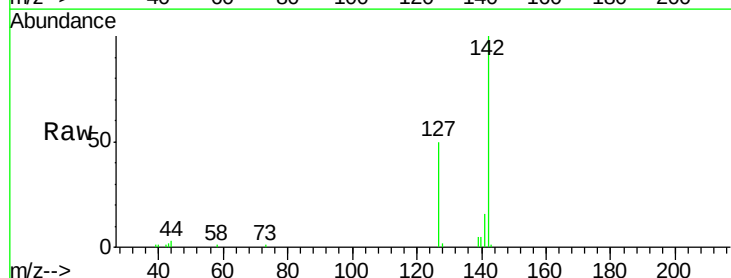
RT: 3.91 min Scan# 675

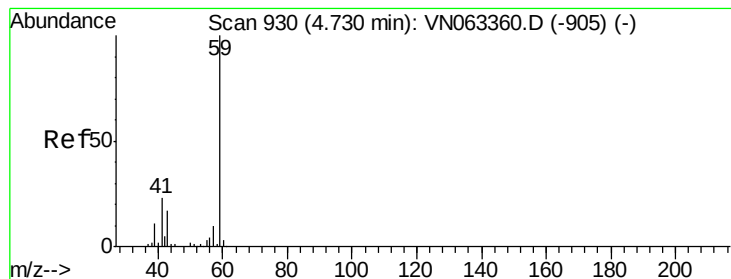
Delta R.T. -0.00 min

Lab File: VN063411.D

Acq: 17 Sep 2020 11:58

Tgt Ion:	142	Resp:	71995
Ion Ratio	Lower	Upper	
142	100		
127	49.8	39.0	58.6
141	15.6	11.6	17.4





#11

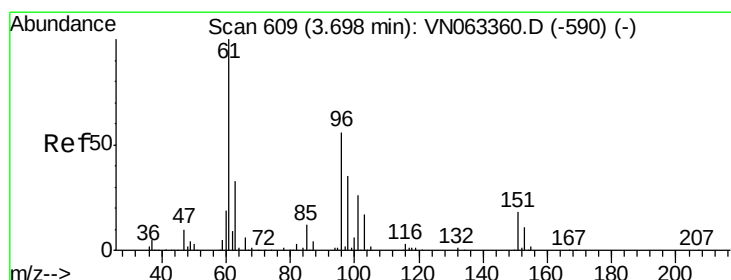
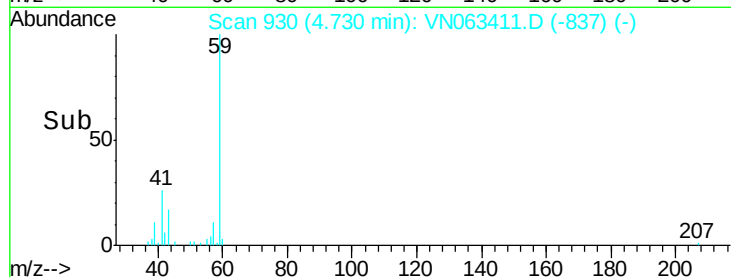
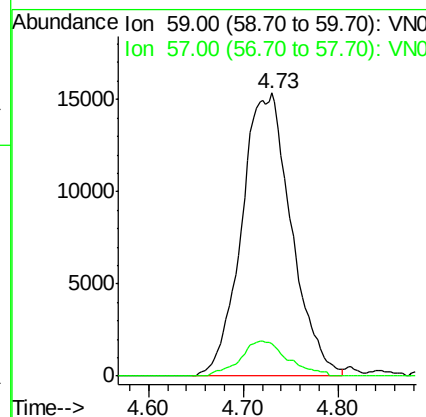
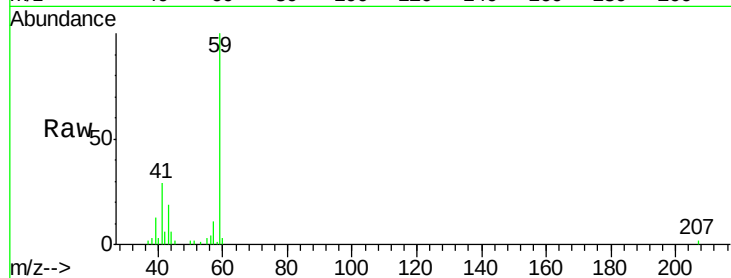
Tert butyl alcohol
Concen: 88.749 ug/l
RT: 4.73 min Scan# 930
Delta R.T. -0.00 min
Lab File: VN063411.D
Acq: 17 Sep 2020 11:58

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.0	8.4	12.6

Manual Integrations
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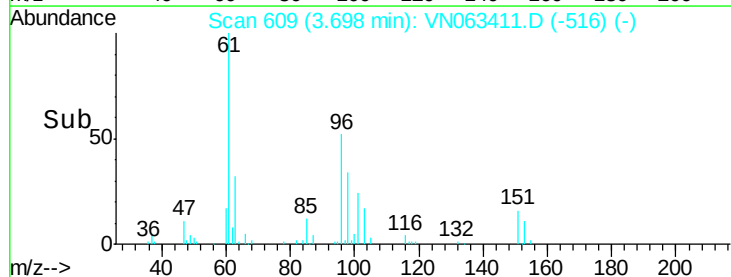
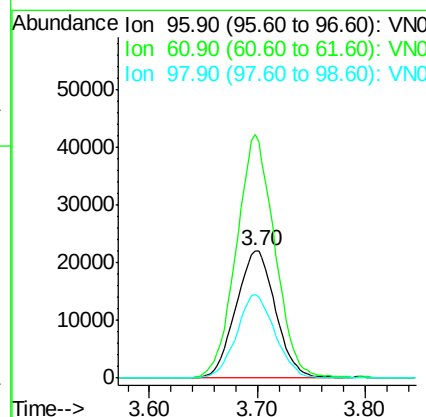
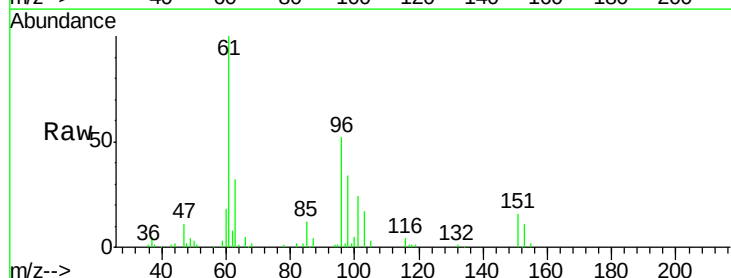
MMDadoda
9/18/2020 2:55:54 PM

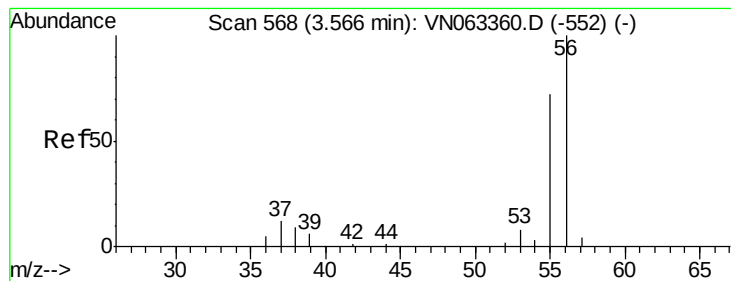


#12

1,1-Dichloroethene
Concen: 18.750 ug/l
RT: 3.70 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN063411.D
Acq: 17 Sep 2020 11:58

Tgt Ion	Ratio	Lower	Upper
96	100		
61	191.2	143.4	215.2
98	65.7	50.6	76.0





#13

Acrolein

Concen: 94.907 ug/l

RT: 3.57 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN063411.D

Acq: 17 Sep 2020 11:58

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBS01

Tot Ion: 56 Resp: 22129

Ion Ratio Lower Upper

56 100

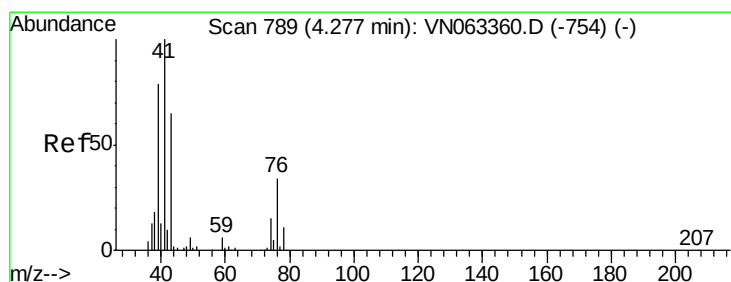
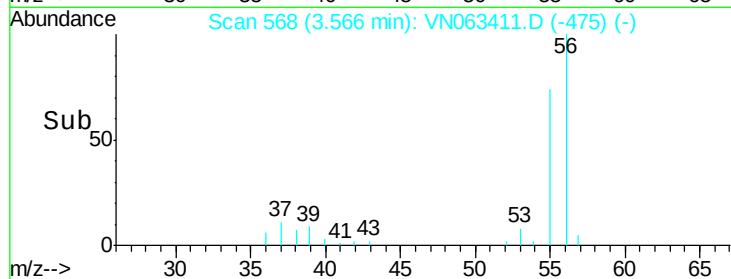
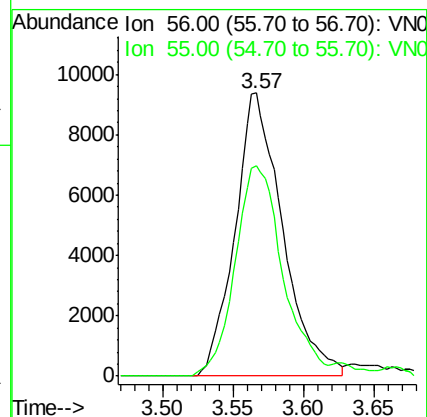
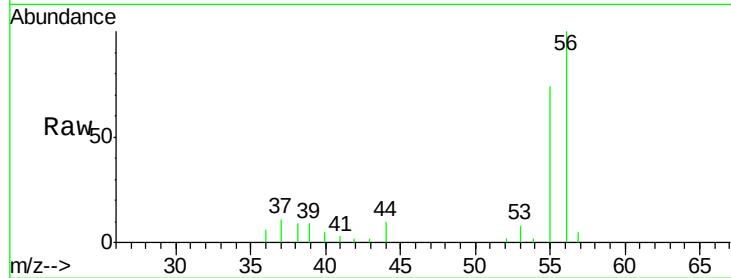
55 74.4 58.2 87.2

Manual Integrations

APPROVED

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#14

Allyl chloride

Concen: 19.210 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN063411.D

Acq: 17 Sep 2020 11:58

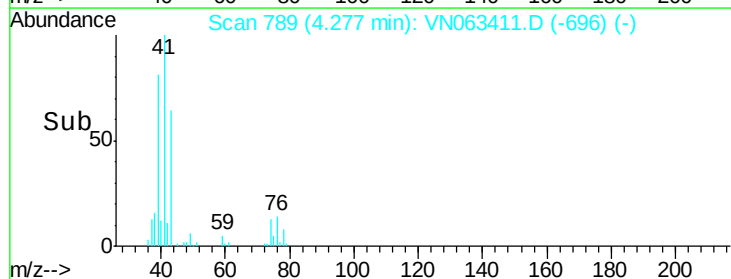
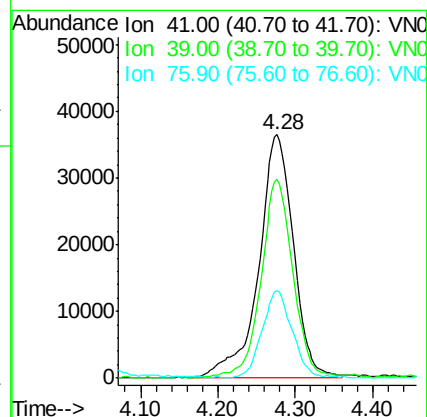
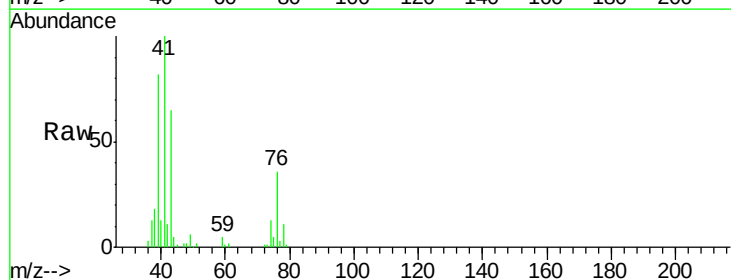
Tgt Ion: 41 Resp: 114407

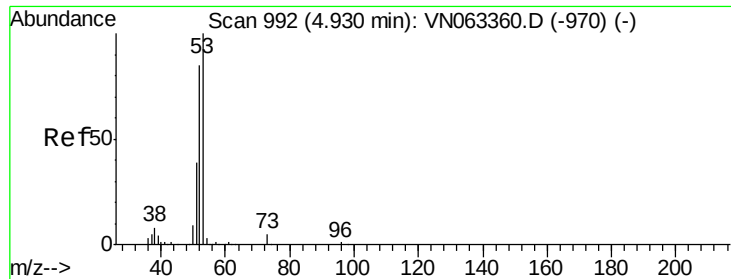
Ion Ratio Lower Upper

41 100

39 75.1 59.3 88.9

76 30.9 25.3 37.9





#15

Acrylonitrile

Concen: 95.691 ug/l

RT: 4.93 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN063411.D

Acq: 17 Sep 2020 11:58

Instrument :

MSVOA_N

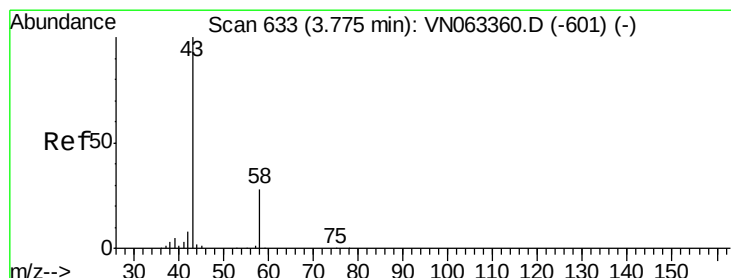
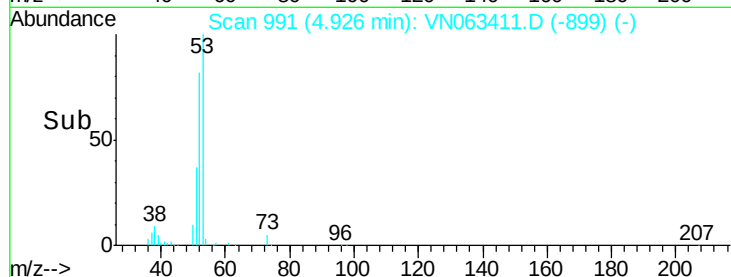
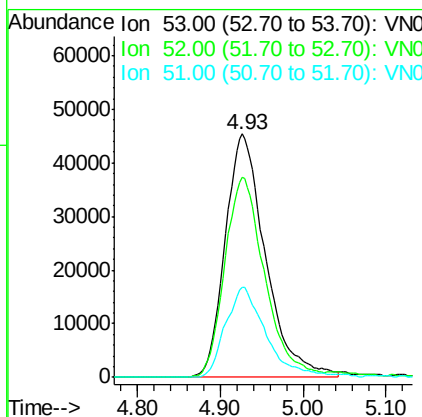
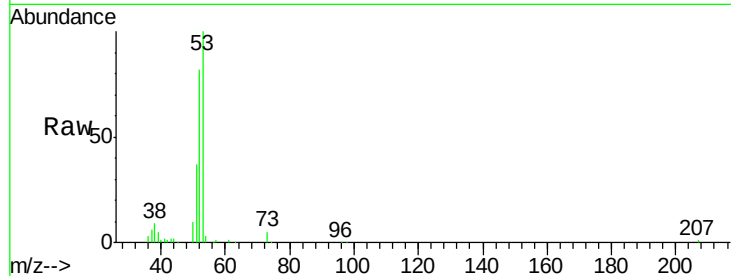
ClientSampleId :

VN0917WBS01

Tot Ion:	53	Resp:	153146
Ion Ratio	Lower	Upper	
53	100		
52	81.4	66.4	99.6
51	37.3	30.2	45.4

Manual Integrations
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#16

Acetone

Concen: 89.360 ug/l

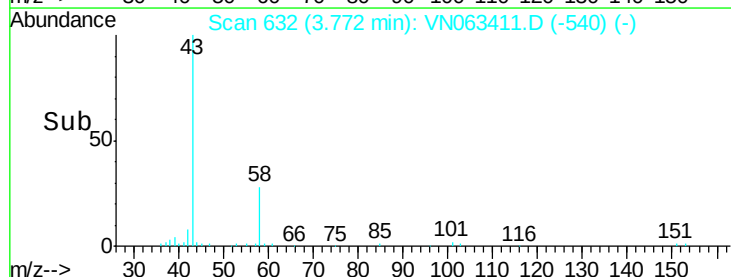
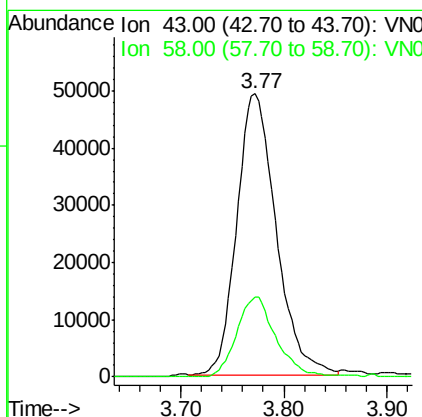
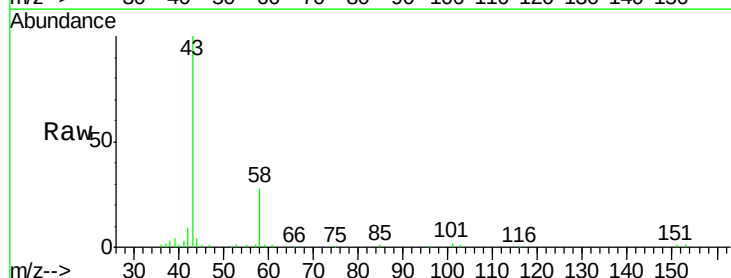
RT: 3.77 min Scan# 632

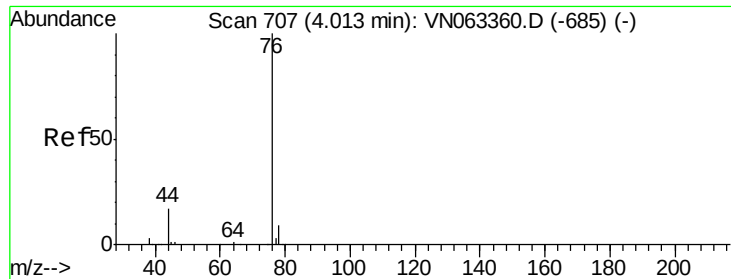
Delta R.T. -0.00 min

Lab File: VN063411.D

Acq: 17 Sep 2020 11:58

Tgt Ion:	43	Resp:	130431
Ion Ratio	Lower	Upper	
43	100		
58	28.2	22.3	33.5





#17

Carbon Disulfide

Concen: 18.633 ug/l

RT: 4.01 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN063411.D

Acq: 17 Sep 2020 11:58

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBS01

Tot Ion: 76 Resp: 163179

Ion Ratio Lower Upper

76 100

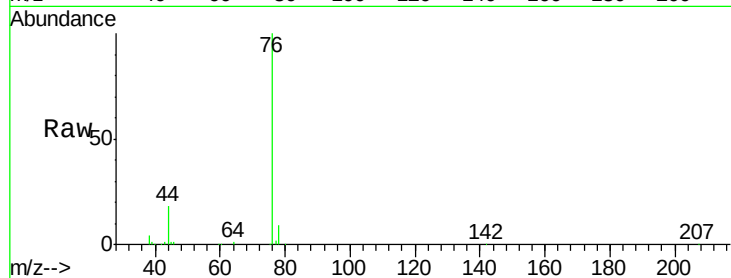
78 8.9 7.2 10.8

Manual Integrations

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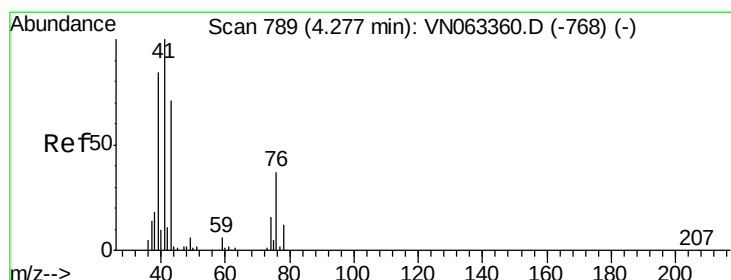
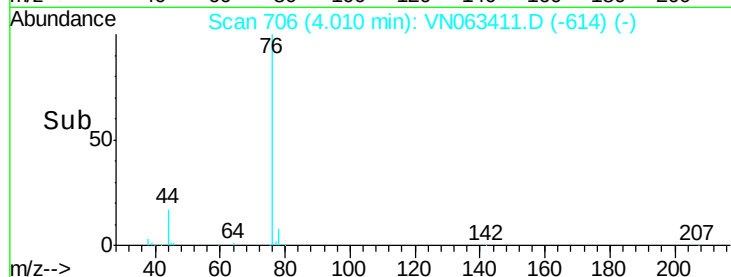
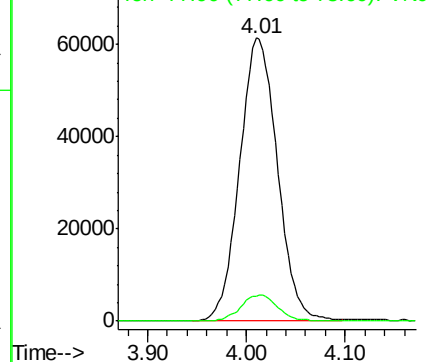
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 18.577 ug/l

RT: 4.27 min Scan# 788

Delta R.T. -0.00 min

Lab File: VN063411.D

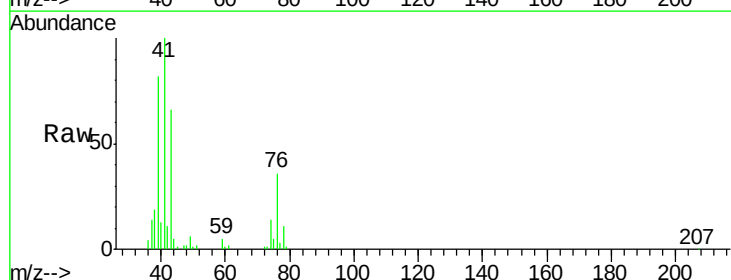
Acq: 17 Sep 2020 11:58

Tgt Ion: 43 Resp: 68837

Ion Ratio Lower Upper

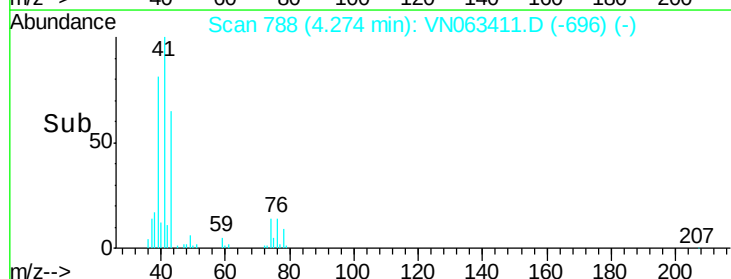
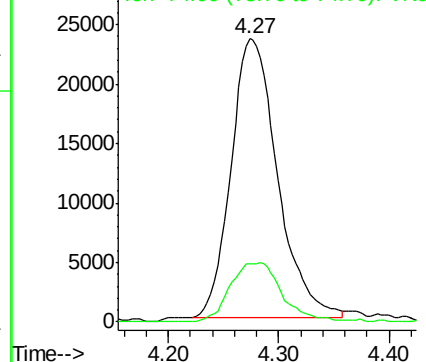
43 100

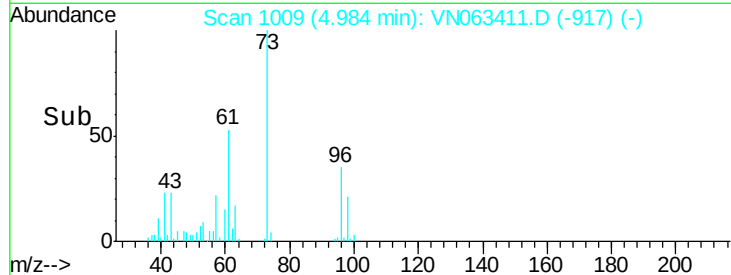
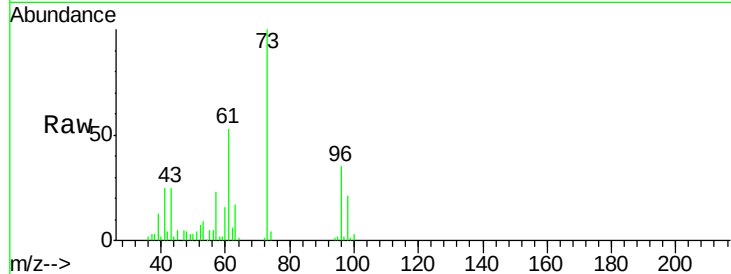
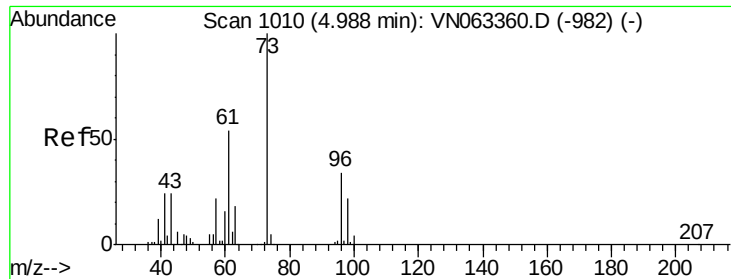
74 23.0 17.4 26.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





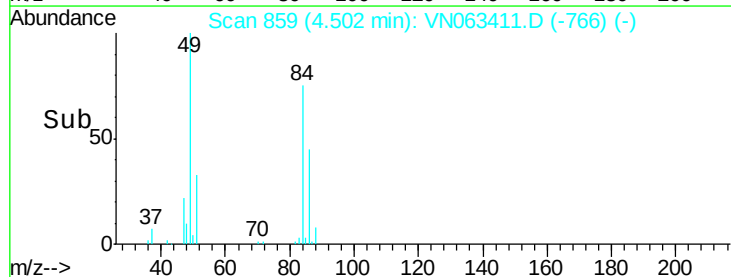
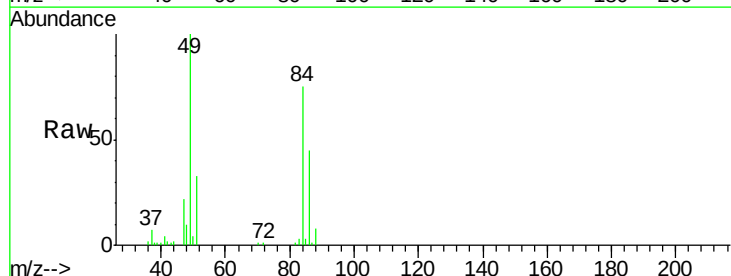
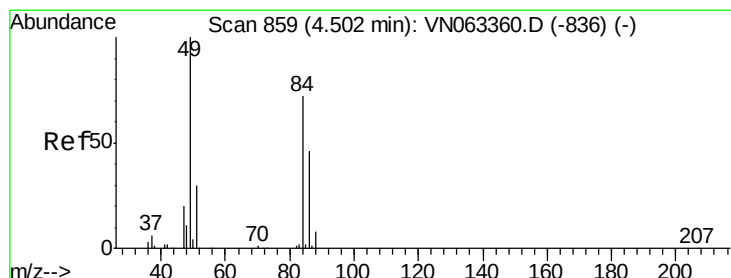
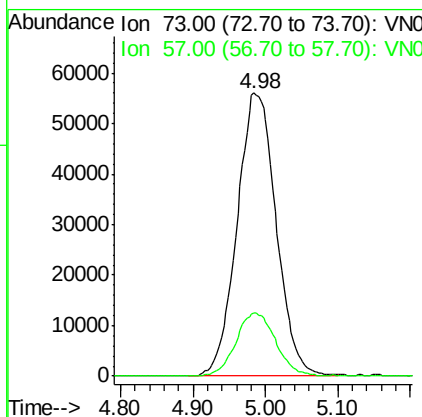
#19
Methyl tert-butyl Ether
Concen: 18.738 ug/l
RT: 4.98 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN063411.D
Acq: 17 Sep 2020 11:58

Tot Ion: 73 Resp: 210271
Ion Ratio Lower Upper
73 100
57 22.5 17.9 26.9

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01

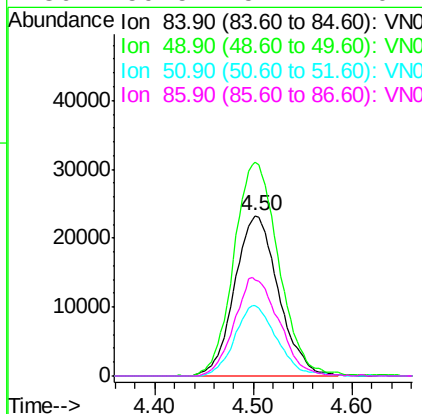
Manual Integrations
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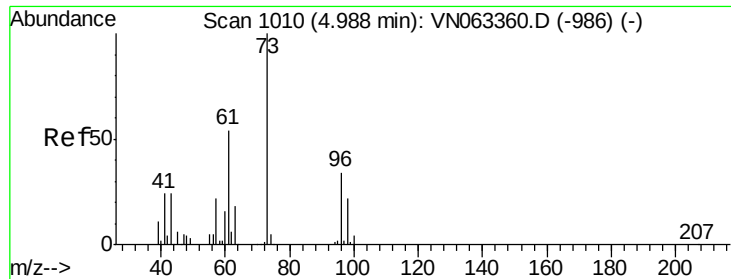
MMDadoda
9/18/2020 2:55:54 PM



#20
Methylene Chloride
Concen: 19.398 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN063411.D
Acq: 17 Sep 2020 11:58

Tgt Ion: 84 Resp: 71735
Ion Ratio Lower Upper
84 100
49 133.1 110.7 166.1
51 43.6 32.9 49.3
86 59.5 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 19.219 ug/l

RT: 4.99 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VN063411.D

Acq: 17 Sep 2020 11:58

Instrument :

MSVOA_N

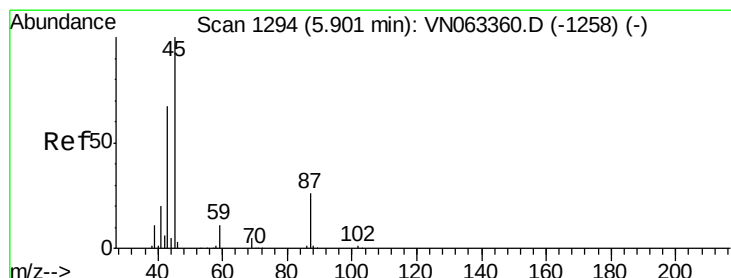
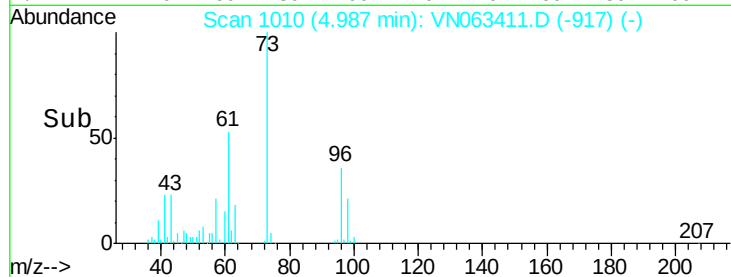
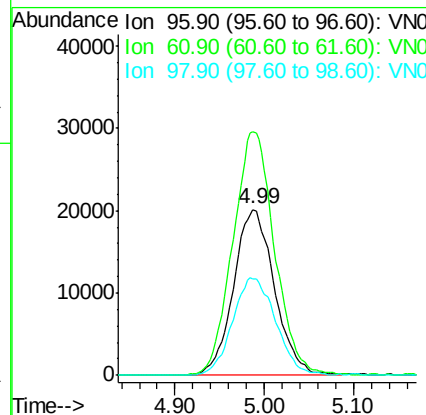
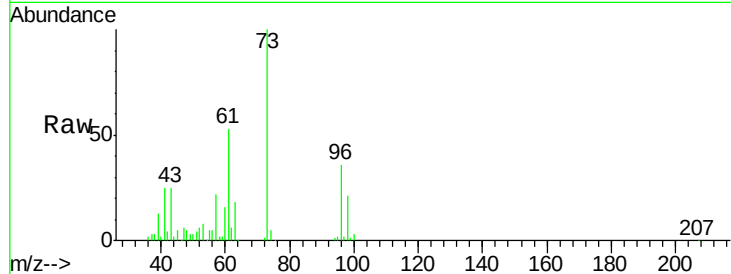
ClientSampleId :

VN0917WBS01

Tot Ion:	96	Resp:	64110
Ion	Ratio	Lower	Upper
96	100		
61	145.8	126.2	189.4
98	58.4	51.0	76.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.432 ug/l

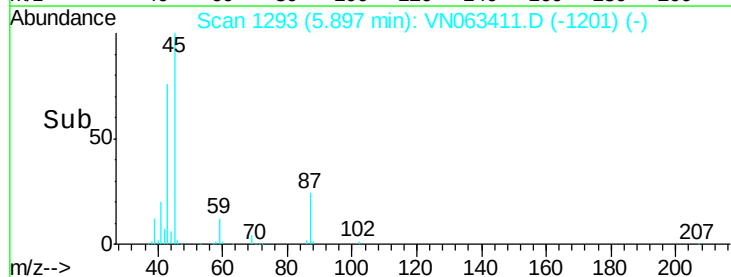
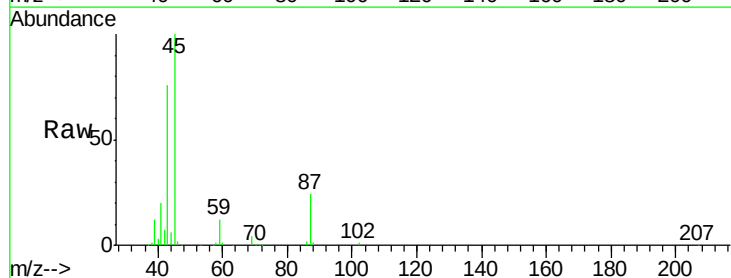
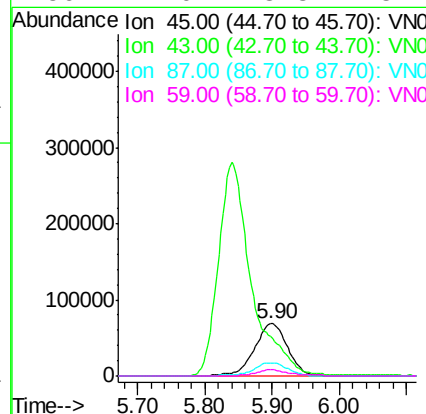
RT: 5.90 min Scan# 1293

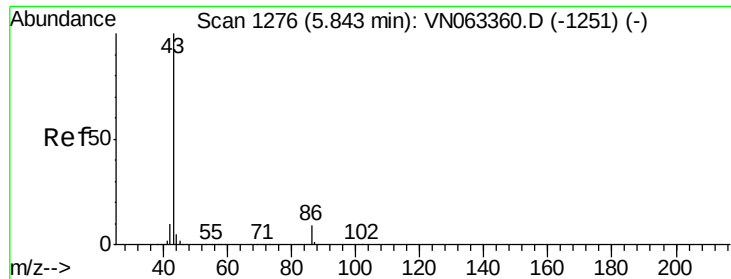
Delta R.T. -0.00 min

Lab File: VN063411.D

Acq: 17 Sep 2020 11:58

Tgt Ion:	45	Resp:	236027
Ion	Ratio	Lower	Upper
45	100		
43	74.7	53.5	80.3
87	23.9	21.2	31.8
59	12.0	8.8	13.2





#23

Vinyl Acetate

Concen: 96.840 ug/l

RT: 5.84 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VN063411.D

Acq: 17 Sep 2020 11:58

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBS01

Tot Ion: 43 Resp: 965991

Ion Ratio Lower Upper

43 100

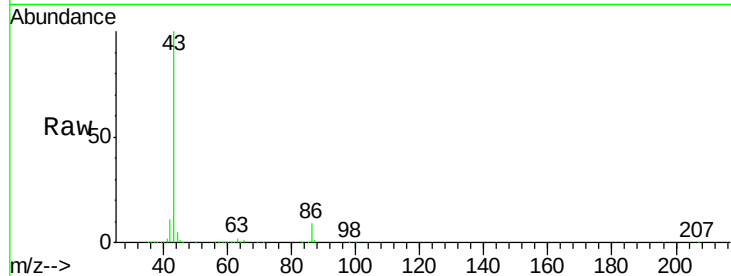
86 8.9 7.1 10.7

Manual Integrations

APPROVED

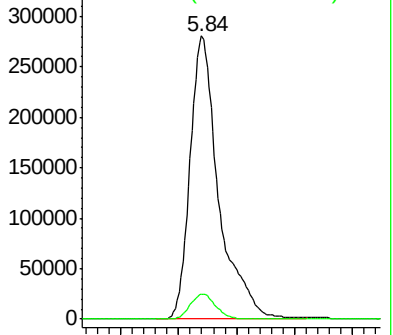
MMDadoda

9/18/2020 2:55:54 PM

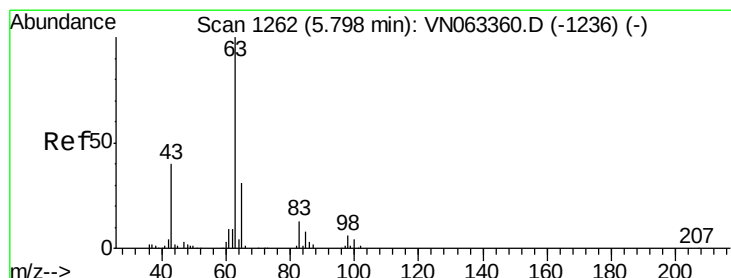
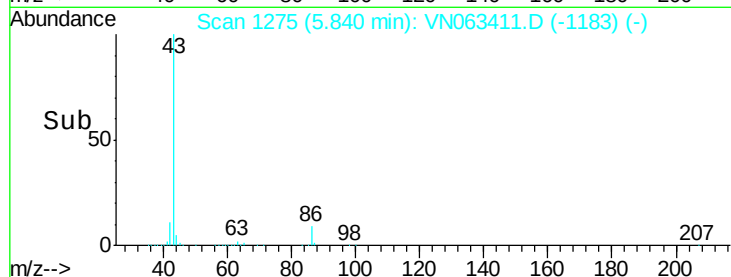


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



Time-->



#24

1,1-Dichloroethane

Concen: 19.005 ug/l

RT: 5.79 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VN063411.D

Acq: 17 Sep 2020 11:58

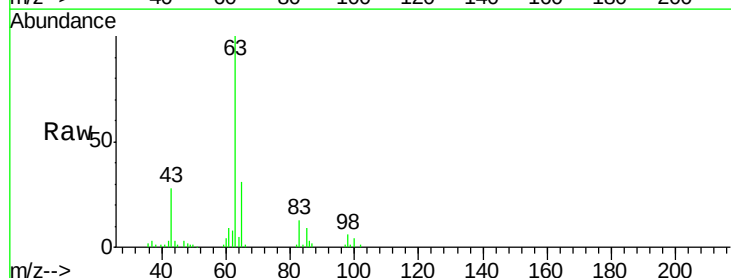
Tgt Ion: 63 Resp: 126029

Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.8

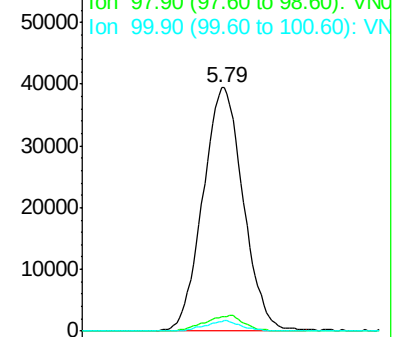
100 4.1 2.1 6.3



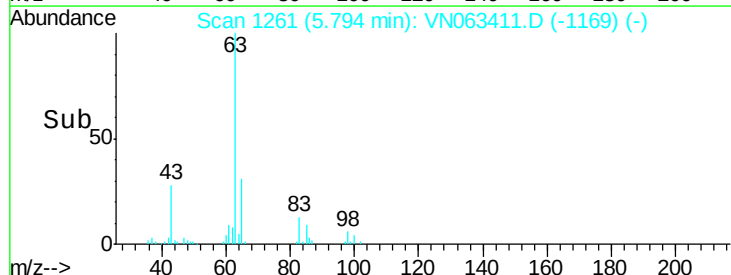
Abundance Ion 62.90 (62.60 to 63.60): VN0

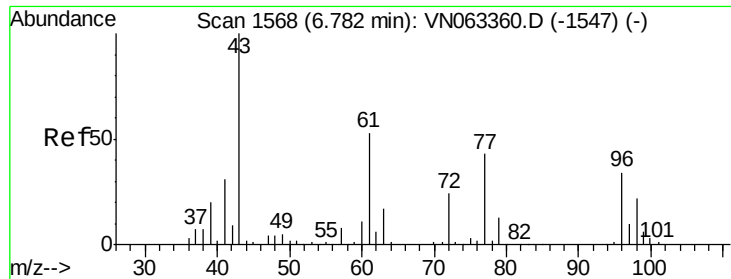
Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



Time-->





#25

2-Butanone

Concen: 93.276 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN063411.D

Acq: 17 Sep 2020 11:58

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBS01

Tot Ion: 43 Resp: 209390

Ion Ratio Lower Upper

43 100

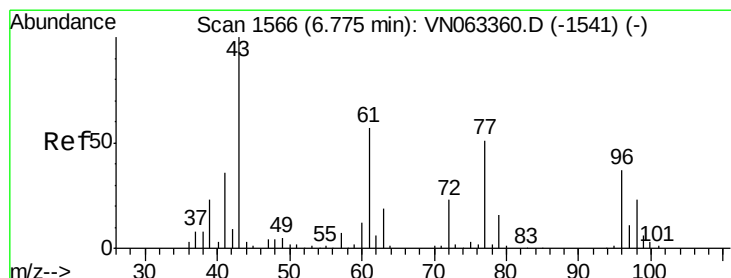
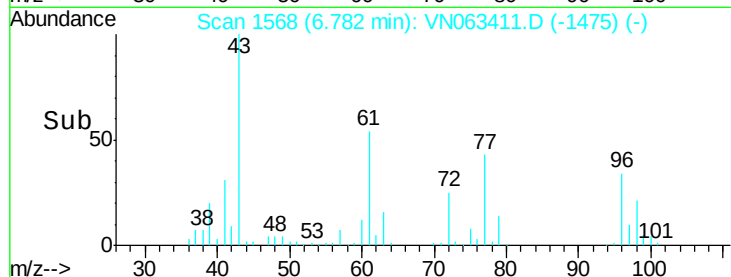
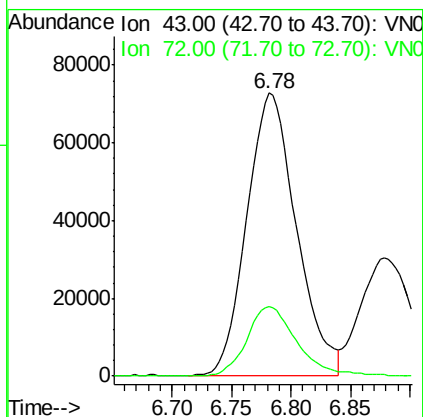
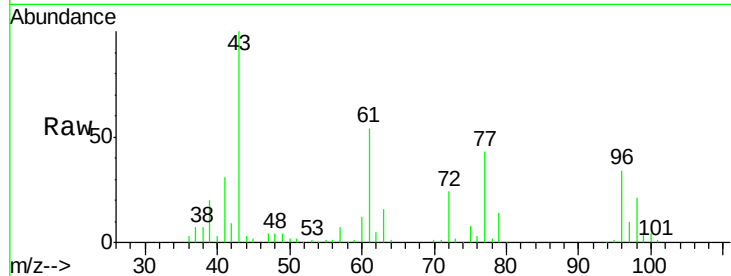
72 24.5 19.2 28.8

Manual Integrations

APPROVED

MMDadoda

9/18/2020 2:55:54 PM



#26

2,2-Dichloropropane

Concen: 18.309 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN063411.D

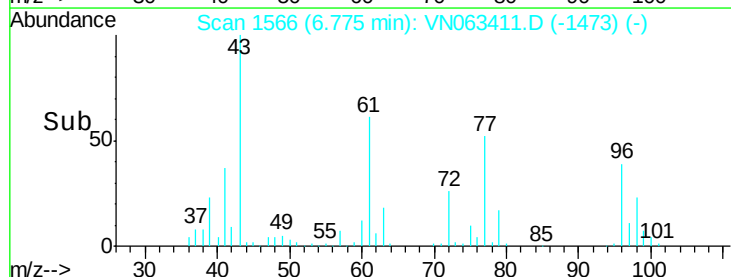
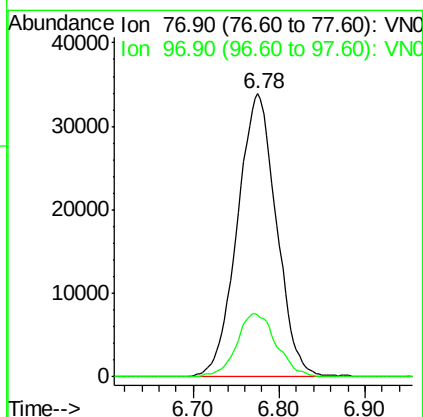
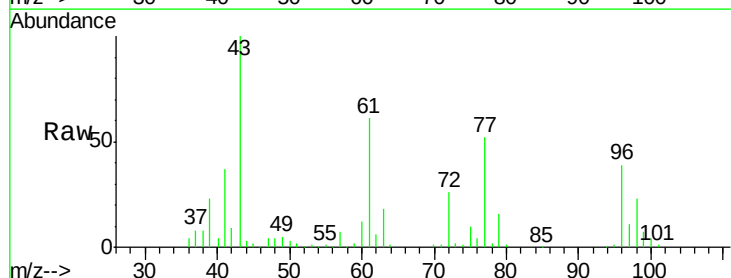
Acq: 17 Sep 2020 11:58

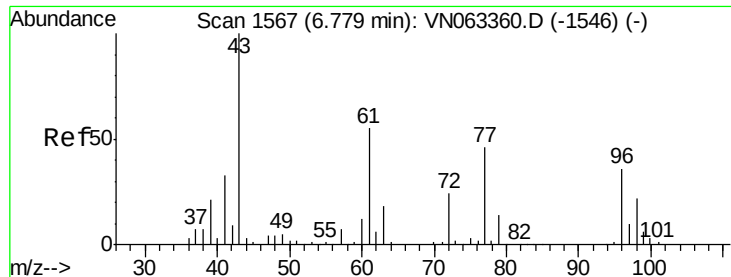
Tgt Ion: 77 Resp: 106897

Ion Ratio Lower Upper

77 100

97 22.6 10.5 31.6





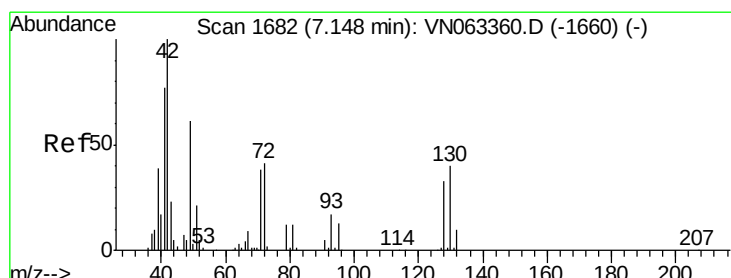
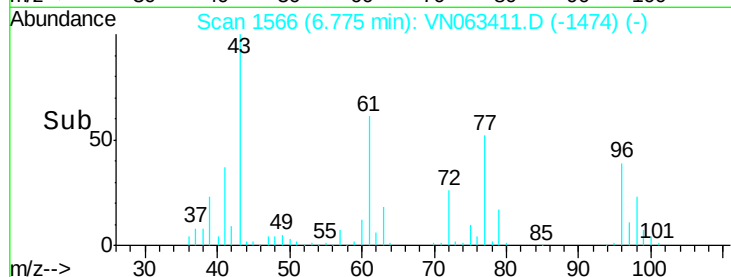
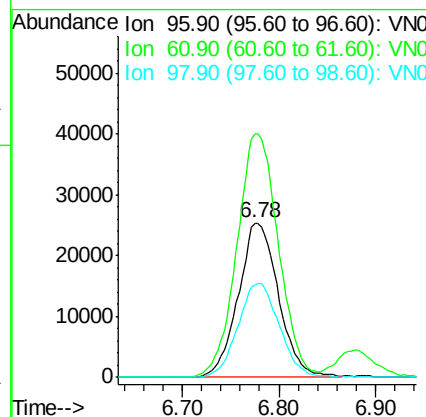
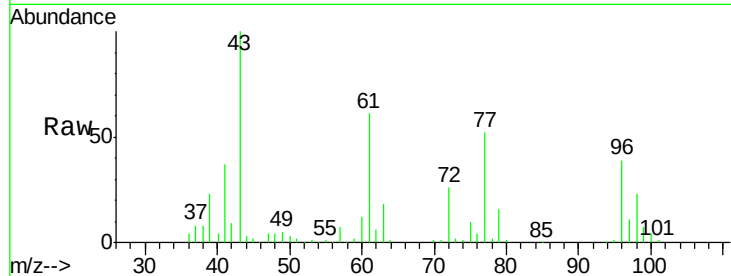
#27
 cis-1,2-Dichloroethene
 Concen: 19.408 ug/l
 RT: 6.78 min Scan# 1566
 Delta R.T. -0.00 min
 Lab File: VN063411.D
 Acq: 17 Sep 2020 11:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	162.4	0.0	319.6
98	62.7	0.0	127.8

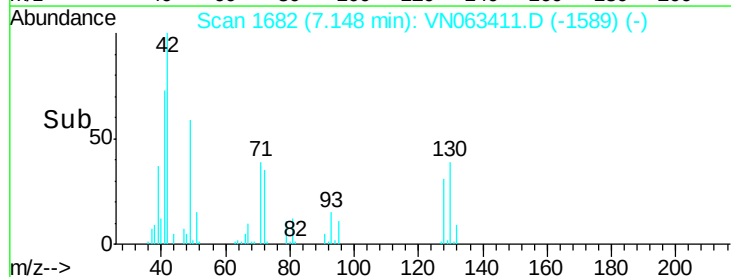
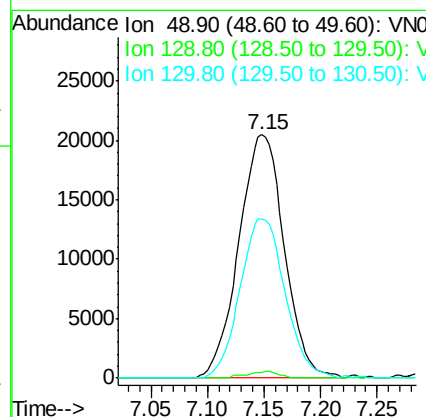
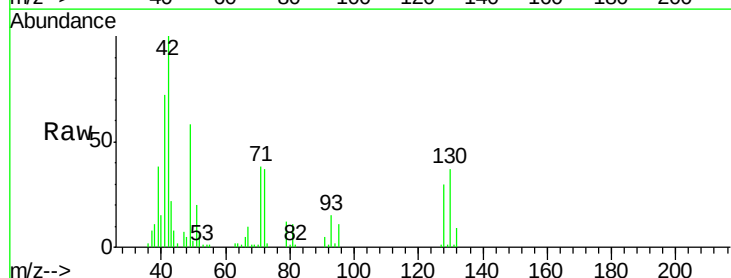
Manual Integrations
 APPROVED

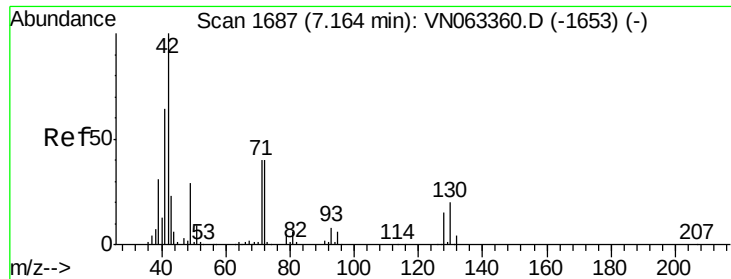
MMDadoda
 9/18/2020 2:55:54 PM



#28
 Bromochloromethane
 Concen: 18.708 ug/l
 RT: 7.15 min Scan# 1682
 Delta R.T. -0.00 min
 Lab File: VN063411.D
 Acq: 17 Sep 2020 11:58

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	64.8	52.2	78.2





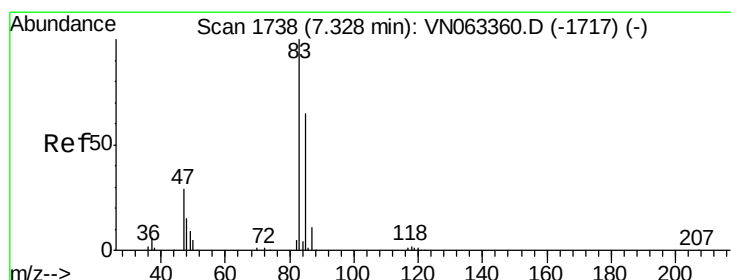
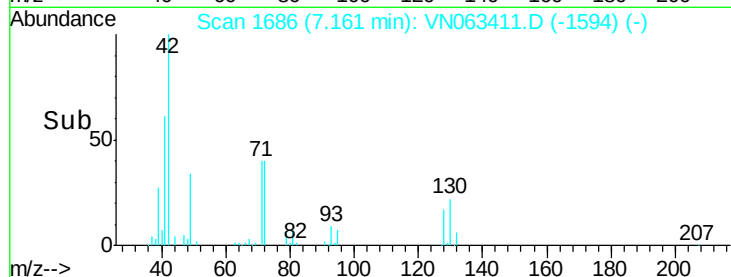
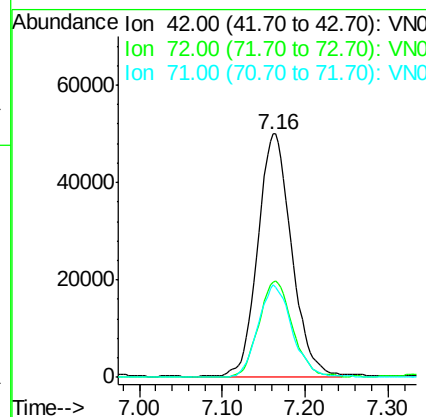
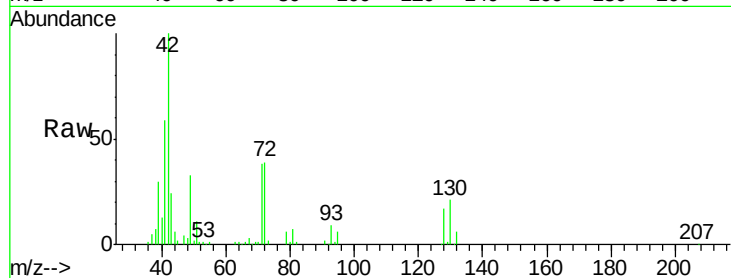
#29
Tetrahydrofuran
Concen: 93.261 ug/l
RT: 7.16 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VN063411.D
Acq: 17 Sep 2020 11:58

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.4	32.1	48.1
71	38.0	31.2	46.8

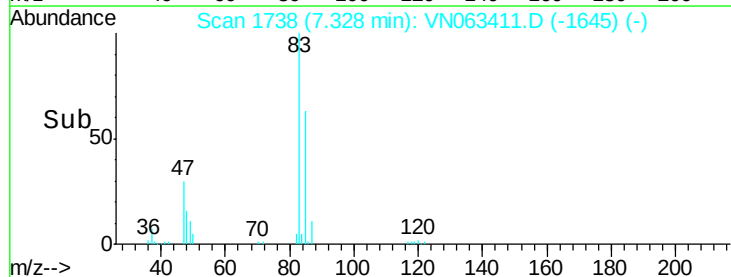
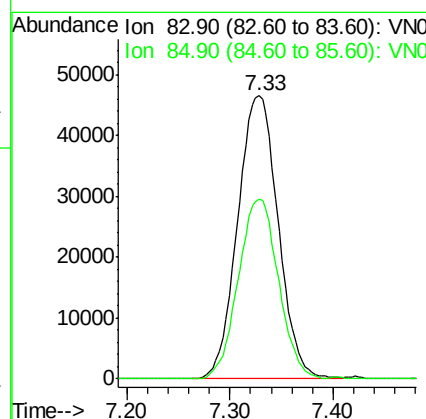
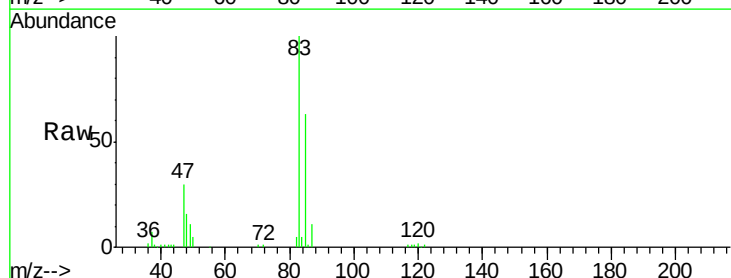
Manual Integrations
APPROVED

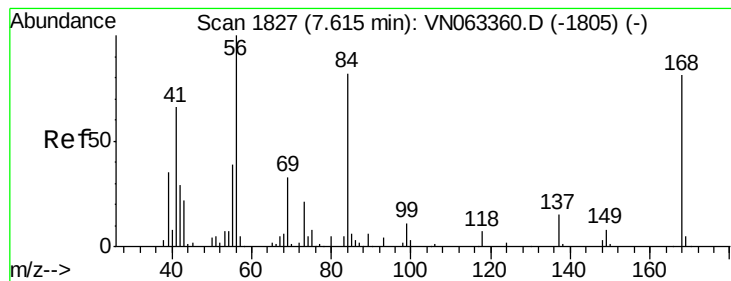
MMDadoda
9/18/2020 2:55:54 PM



#30
Chloroform
Concen: 19.128 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN063411.D
Acq: 17 Sep 2020 11:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	52.1	78.1





#31

Cyclohexane

Concen: 18.575 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN063411.D

Acq: 17 Sep 2020 11:58

Instrument :

MSVOA_N

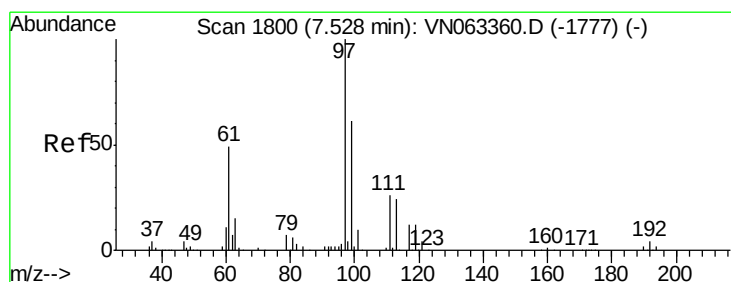
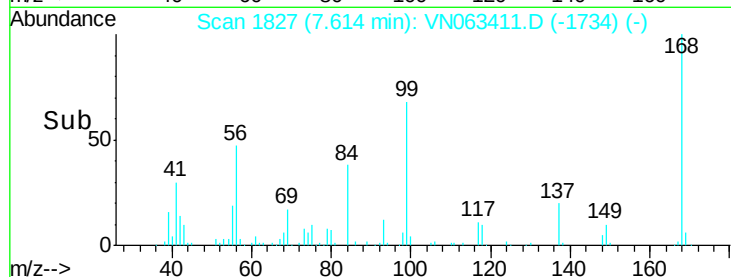
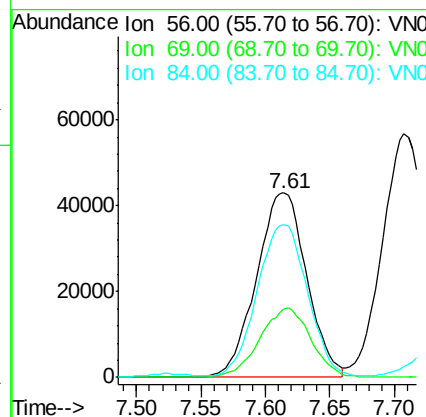
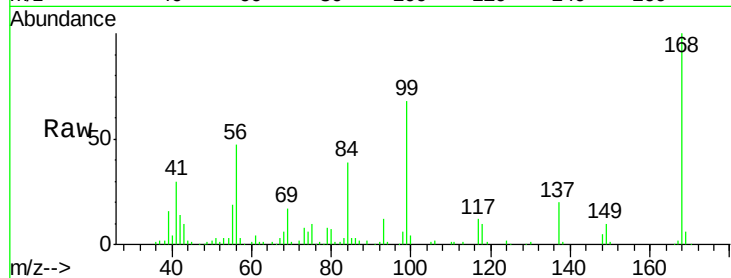
ClientSampleId :

VN0917WBS01

Tot Ion:	56	Resp:	116512
Ion Ratio	Lower	Upper	
56	100		
69	36.9	26.1	39.1
84	81.8	65.4	98.2

Manual Integrations
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9/18/2020 2:55:54 PM



#32

1,1,1-Trichloroethane

Concen: 19.010 ug/l

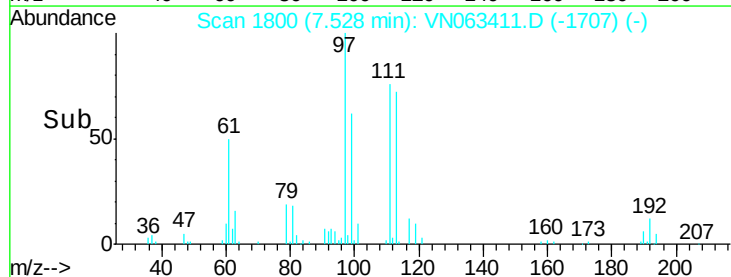
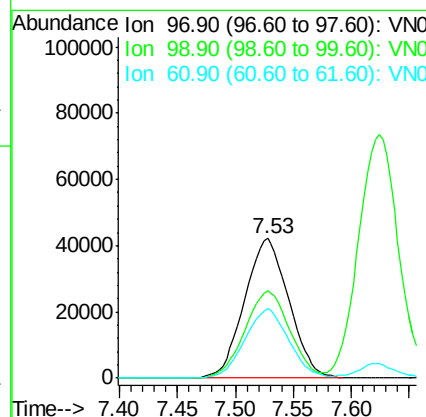
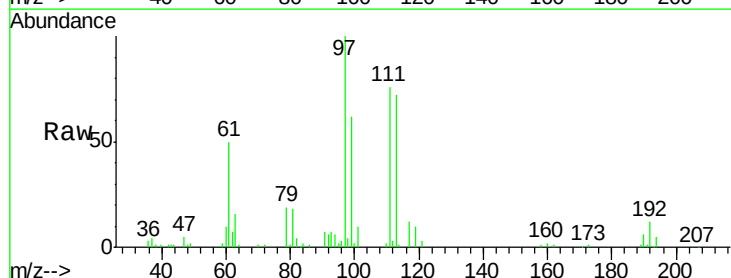
RT: 7.53 min Scan# 1800

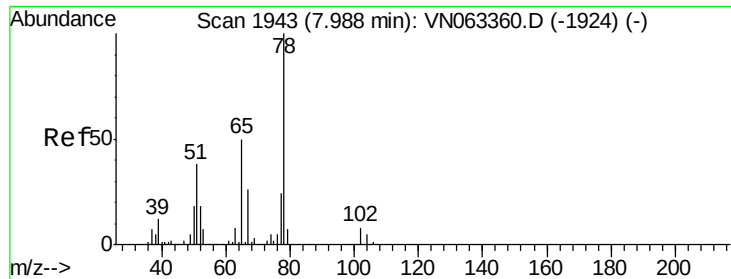
Delta R.T. -0.00 min

Lab File: VN063411.D

Acq: 17 Sep 2020 11:58

Tgt Ion:	97	Resp:	112488
Ion Ratio	Lower	Upper	
97	100		
99	63.1	50.6	76.0
61	48.9	39.2	58.8





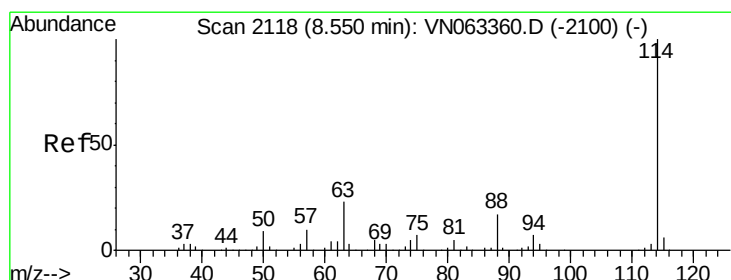
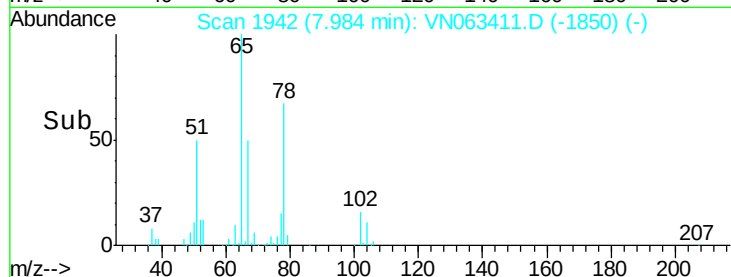
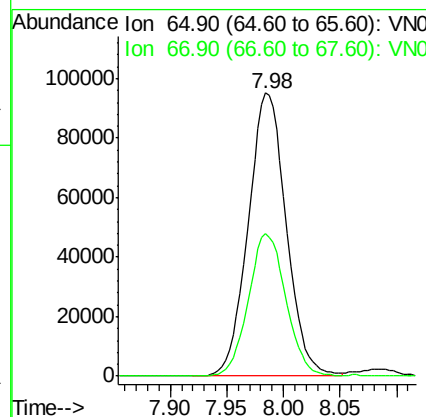
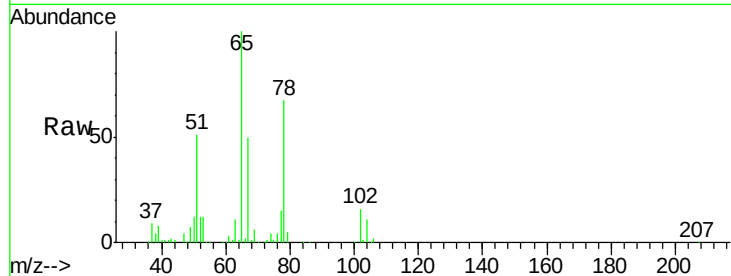
#33
 1,2-Dichloroethane-d4
 Concen: 49.027 ug/l
 RT: 7.98 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: VN063411.D
 Acq: 17 Sep 2020 11:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBS01

Tot Ion: 65 Resp: 222664
 Ion Ratio Lower Upper
 65 100
 67 49.6 0.0 104.2

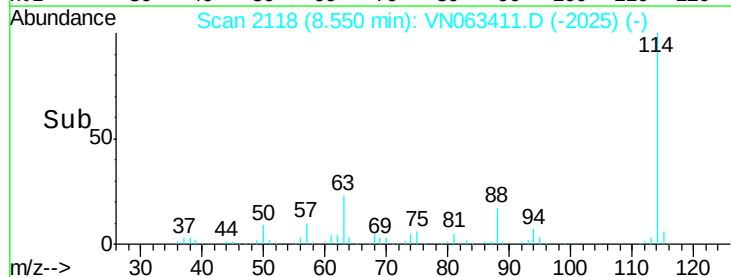
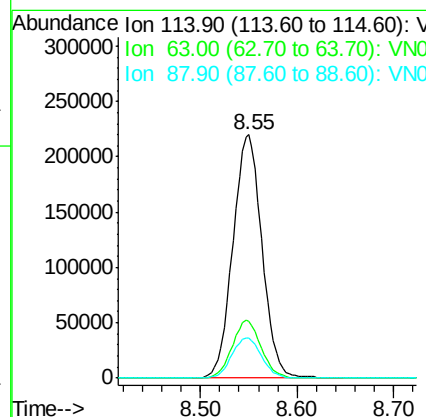
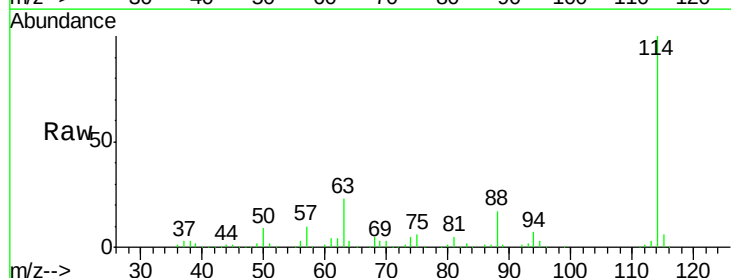
Manual Integrations
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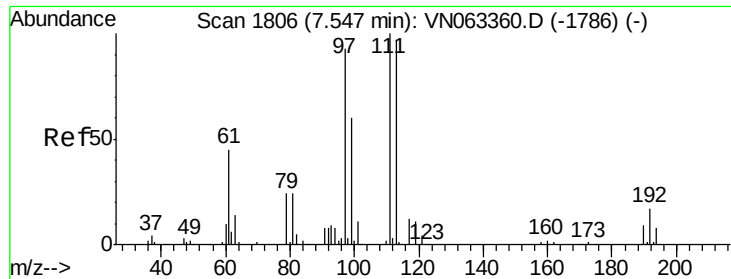
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063411.D
 Acq: 17 Sep 2020 11:58

Tgt Ion: 114 Resp: 458624
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 46.4
 88 16.6 0.0 33.2





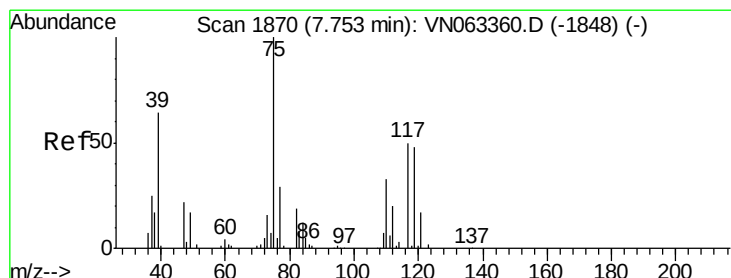
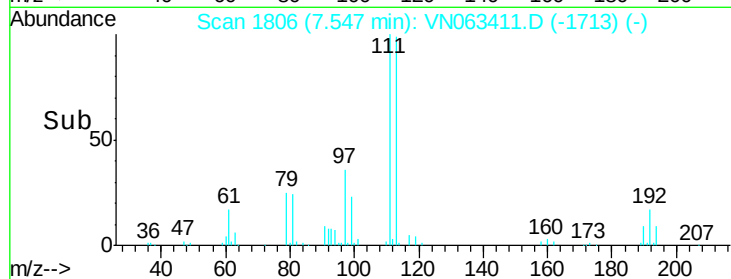
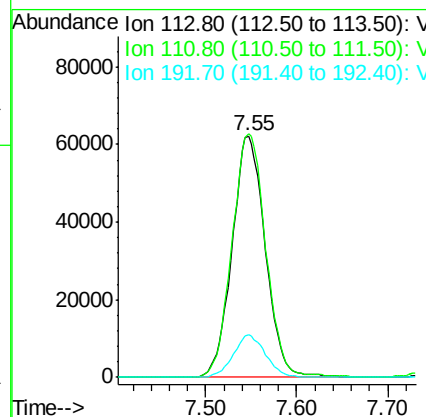
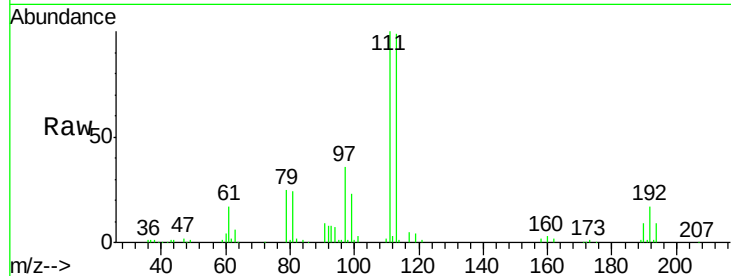
#35
 Dibromofluoromethane
 Concen: 49.656 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN063411.D
 Acq: 17 Sep 2020 11:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	157656		
111	102.8	82.9	124.3	
192	17.0	13.9	20.9	

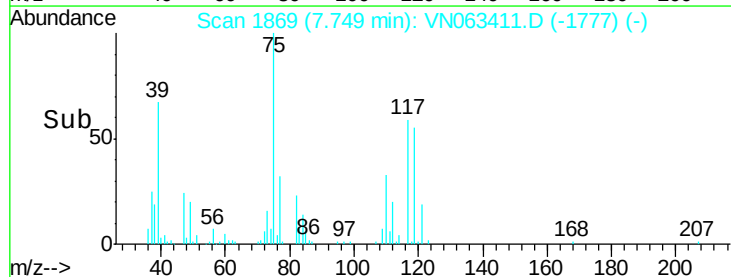
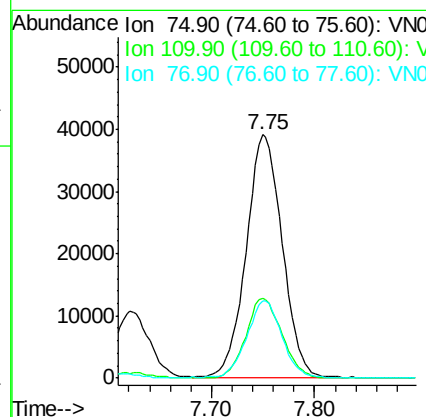
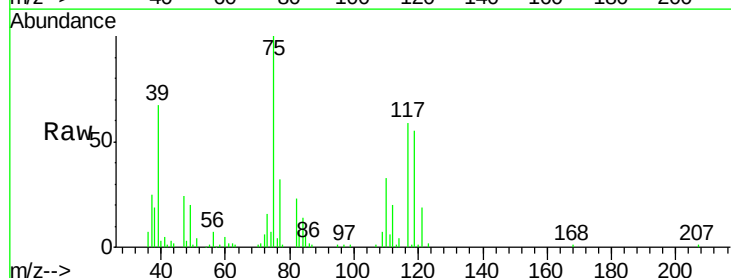
Manual Integrations
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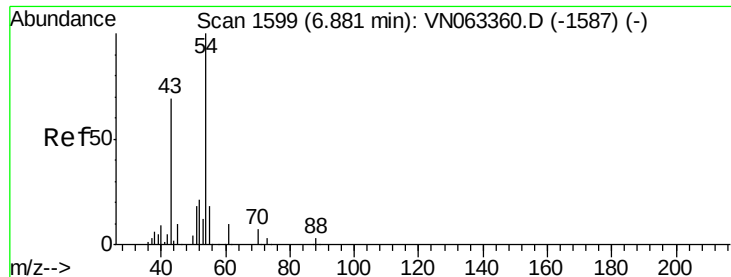
MMDadoda
 9/18/2020 2:55:54 PM



#36
 1,1-Dichloropropene
 Concen: 19.509 ug/l
 RT: 7.75 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VN063411.D
 Acq: 17 Sep 2020 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	95321		
110	32.6	16.5	49.5	
77	31.1	24.6	36.8	





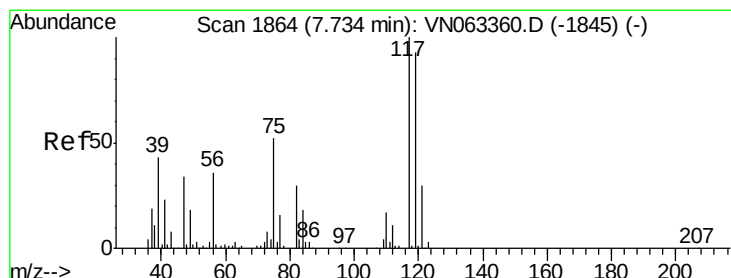
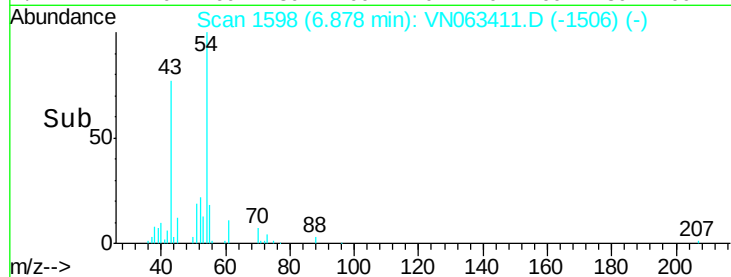
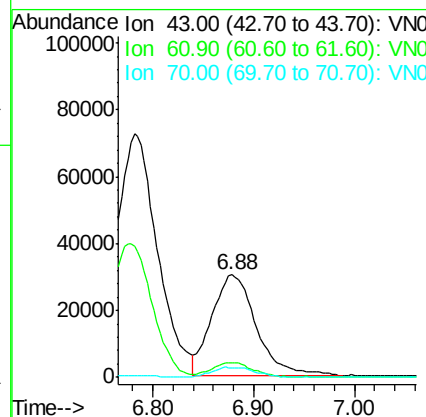
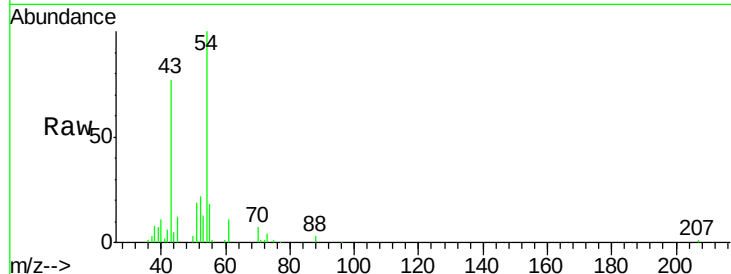
#37
Ethyl Acetate
Concen: 19.437 ug/l
RT: 6.88 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VN063411.D
Acq: 17 Sep 2020 11:58

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.6	15.8
70	5.2	7.2	10.8

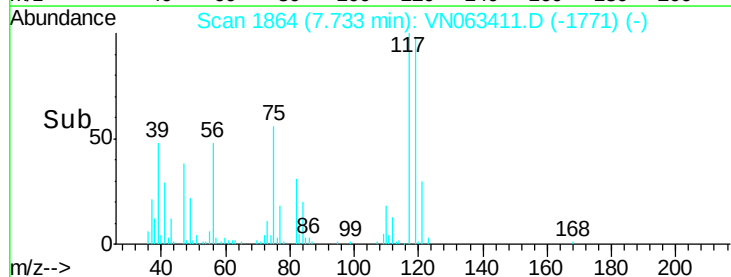
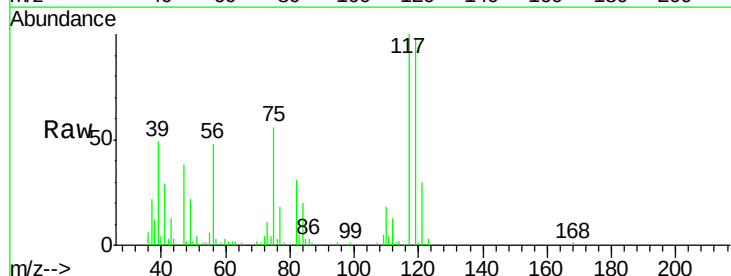
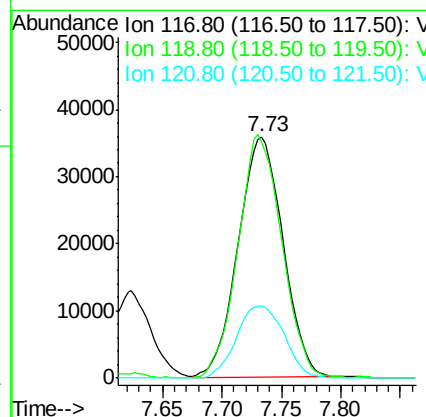
Manual Integrations
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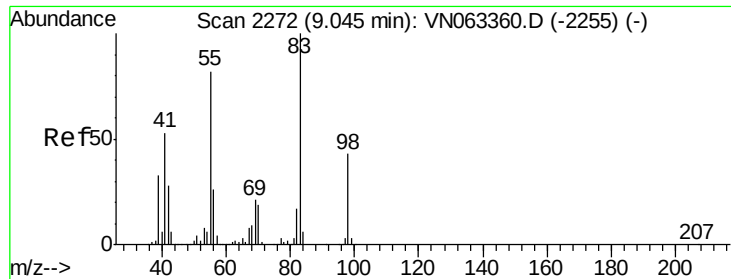
MMDadoda
9/18/2020 2:55:54 PM



#38
Carbon Tetrachloride
Concen: 18.761 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN063411.D
Acq: 17 Sep 2020 11:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.8	74.5	111.7
121	30.0	24.1	36.1





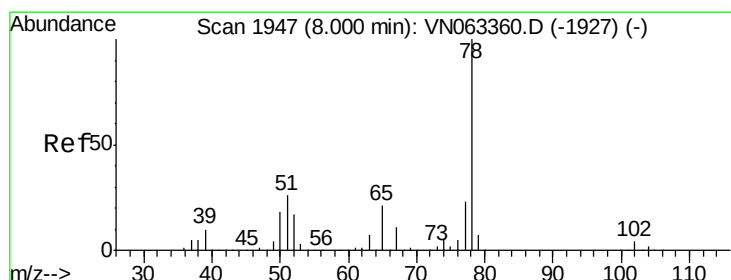
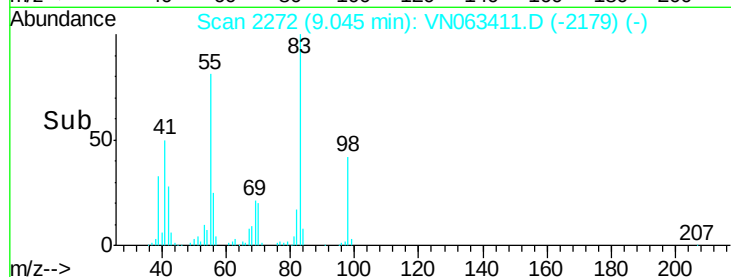
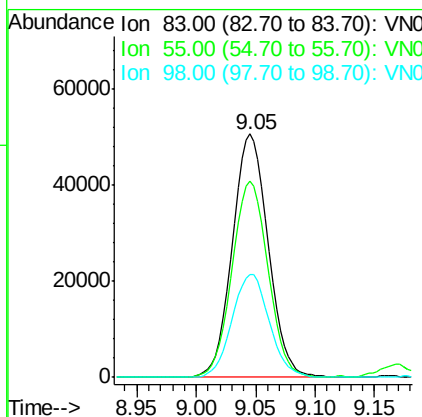
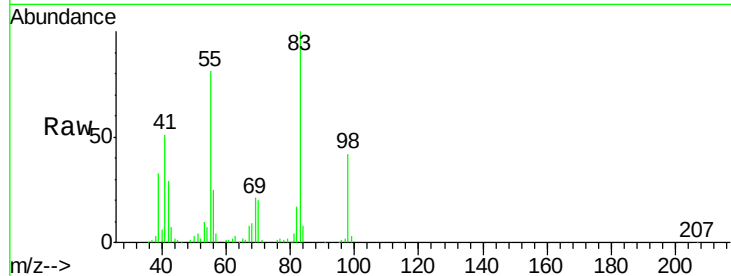
#39
Methylvlcyclohexane
Concen: 19.935 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN063411.D
Acq: 17 Sep 2020 11:58

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01

Tot Ion	83.00	Resp	105714
Ion	Ratio	Lower	Upper
83	100		
55	80.8	65.5	98.3
98	42.5	34.2	51.4

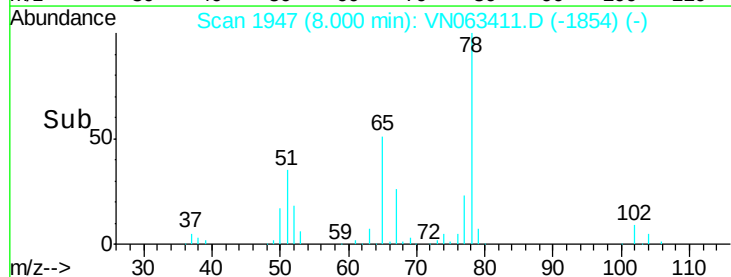
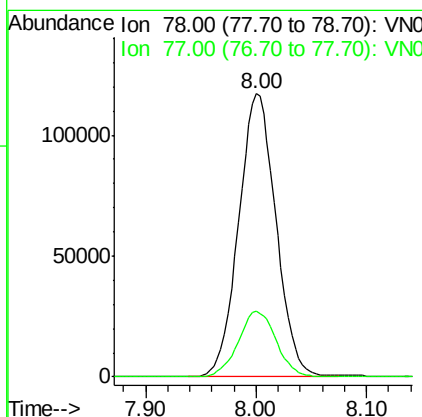
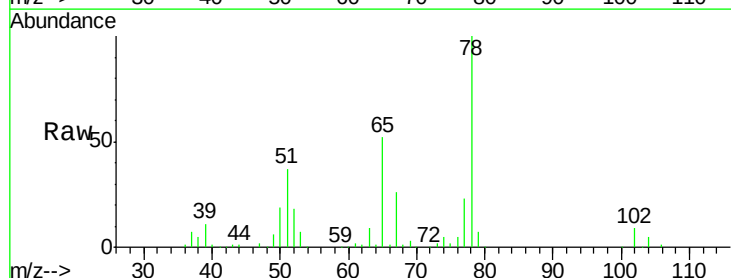
Manual Integrations
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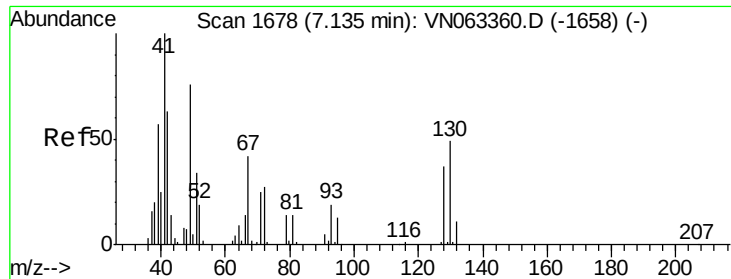
MMDadoda
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#40
Benzene
Concen: 19.714 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN063411.D
Acq: 17 Sep 2020 11:58

Tgt Ion	78.00	Resp	274965
Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.3	27.5





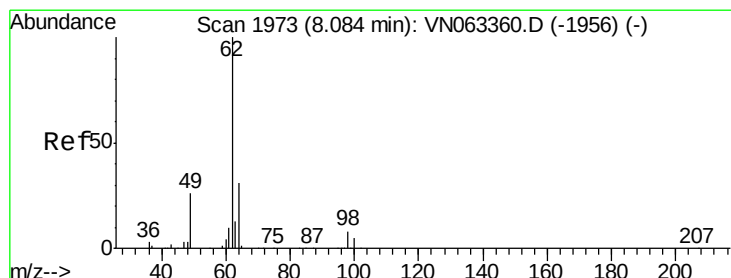
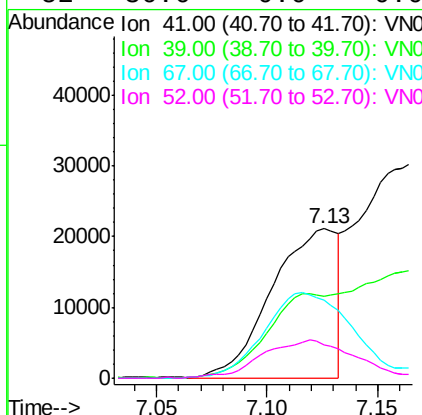
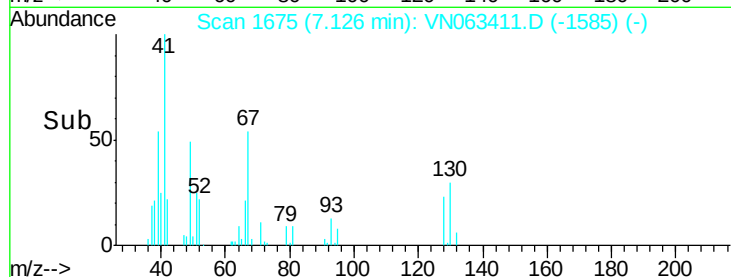
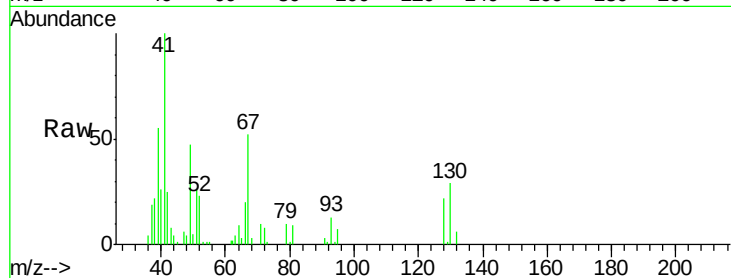
#41
Methacrylonitrile
Concen: 20.359 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. -0.01 min
Lab File: VN063411.D
Acq: 17 Sep 2020 11:58

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01

Tot Ion	41	Resp	43910
Ion Ratio	Lower	Upper	
41	100		
39	49.0	0.0	0.0#
67	79.2	0.0	0.0#
52	36.6	0.0	0.0#

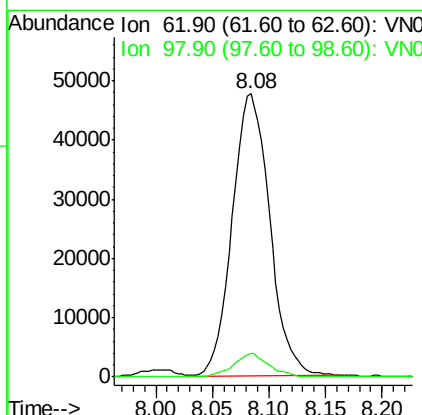
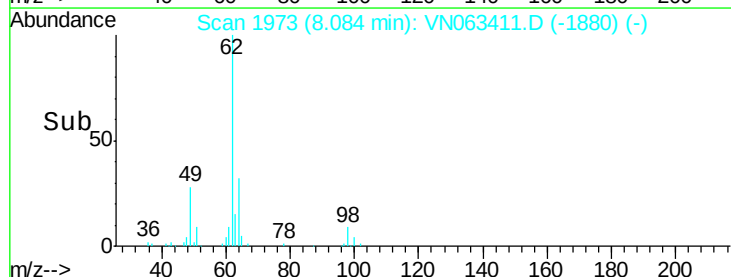
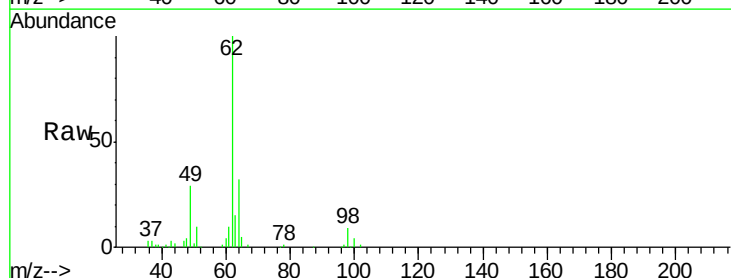
Manual Integrations
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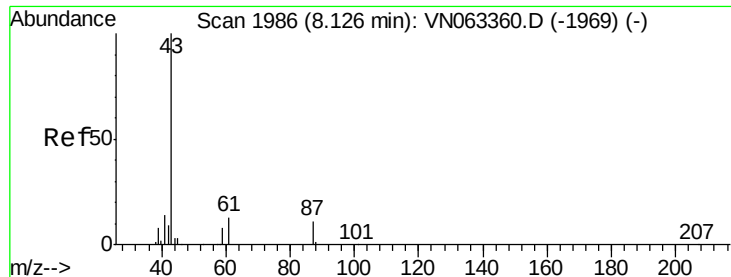
MMDadoda
9/18/2020 2:55:54 PM



#42
1,2-Dichloroethane
Concen: 19.667 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN063411.D
Acq: 17 Sep 2020 11:58

Tgt Ion	62	Resp	110313
Ion Ratio	Lower	Upper	
62	100		
98	7.7	0.0	15.6





#43

Isopropyl Acetate

Concen: 18.976 ug/l

RT: 8.12 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VN063411.D

Acq: 17 Sep 2020 11:58

Instrument :

MSVOA_N

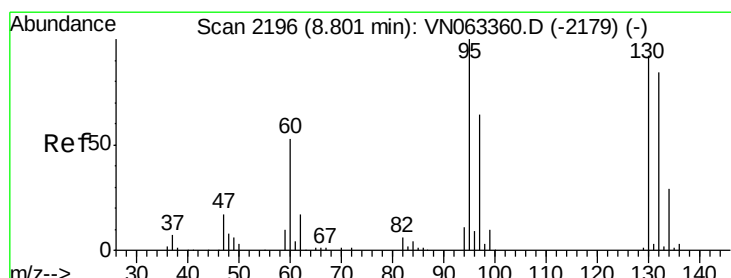
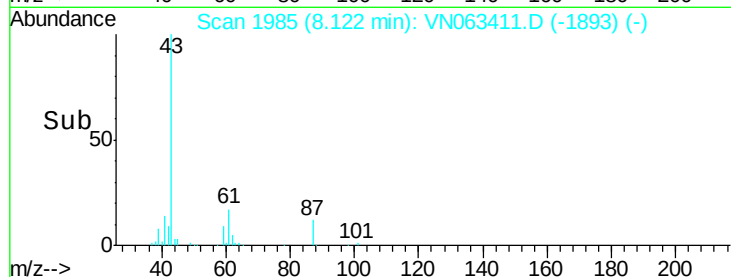
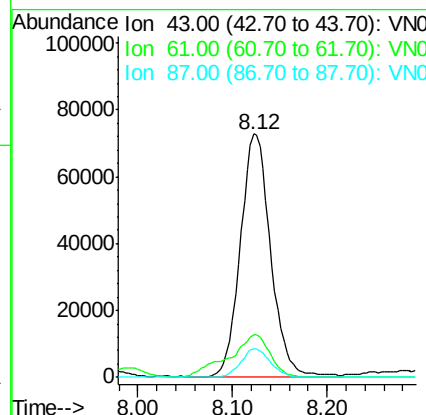
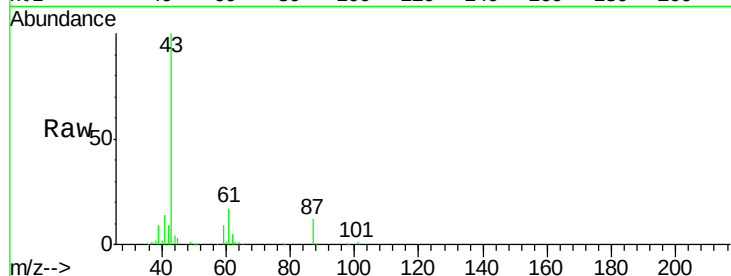
ClientSampleId :

VN0917WBS01

Tot Ion:	43	Resp:	162716
Ion	Ratio	Lower	Upper
43	100		
61	23.9	14.2	21.2#
87	11.2	9.0	13.6

Manual Integrations
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#44

Trichloroethene

Concen: 19.340 ug/l

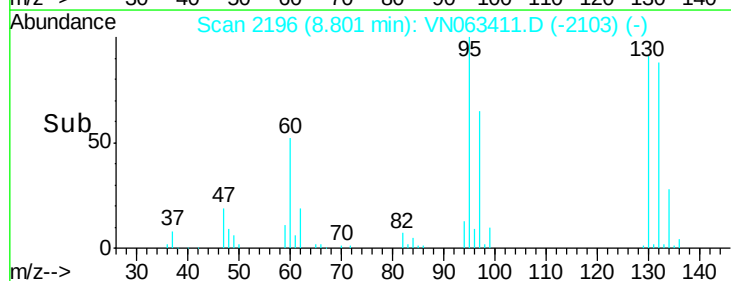
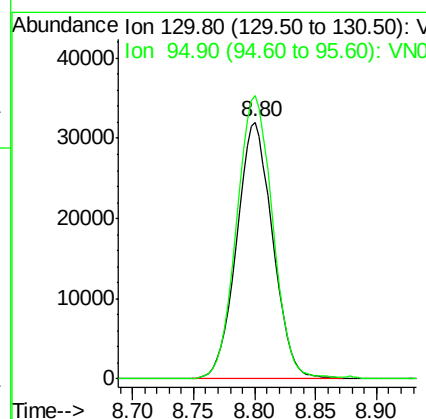
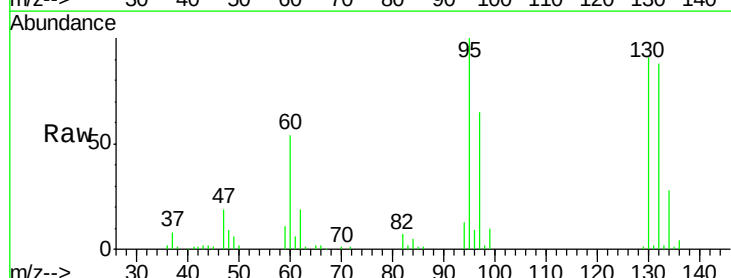
RT: 8.80 min Scan# 2196

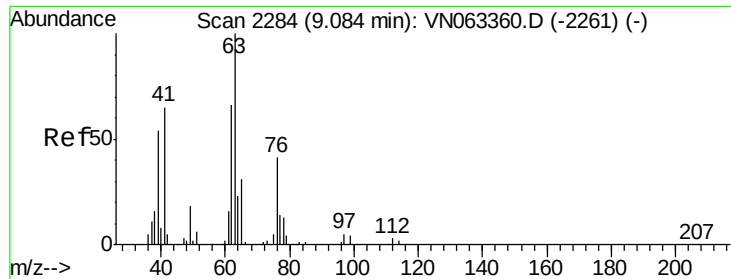
Delta R.T. -0.00 min

Lab File: VN063411.D

Acq: 17 Sep 2020 11:58

Tgt Ion:	130	Resp:	65426
Ion	Ratio	Lower	Upper
130	100		
95	110.3	0.0	217.4





#45

1,2-Dichloropropane

Concen: 19.729 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN063411.D

Acq: 17 Sep 2020 11:58

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBS01

Tot Ion: 63 Resp: 74945

Ion Ratio Lower Upper

63 100

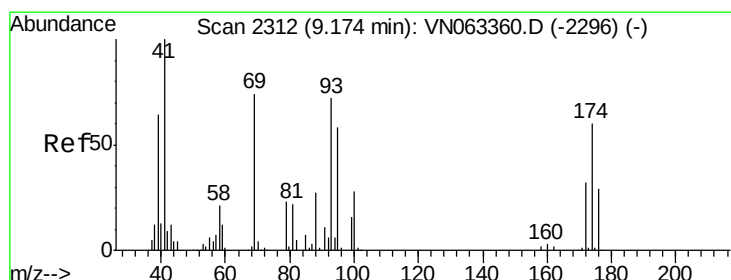
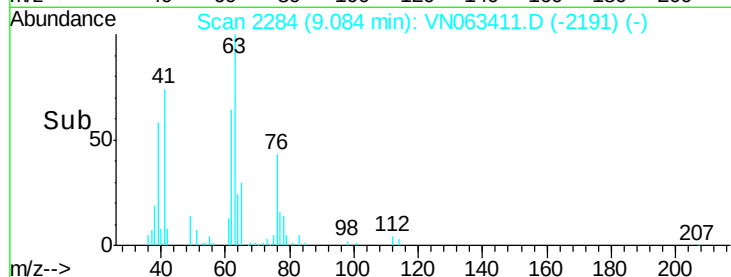
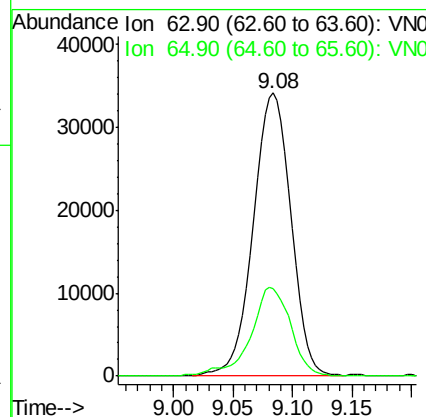
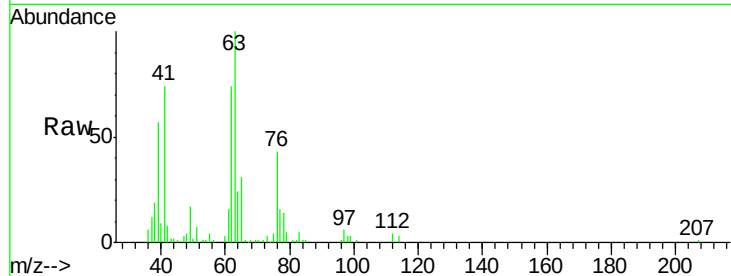
65 31.0 25.0 37.6

Manual Integrations

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MMDadoda

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#46

Dibromomethane

Concen: 19.634 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN063411.D

Acq: 17 Sep 2020 11:58

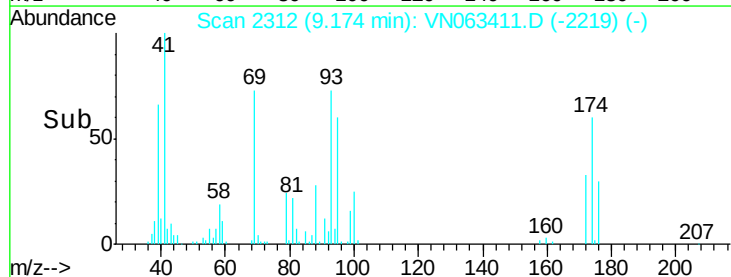
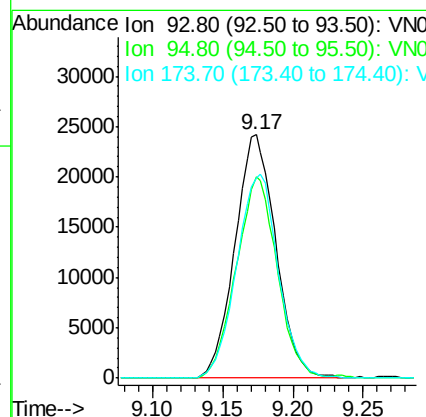
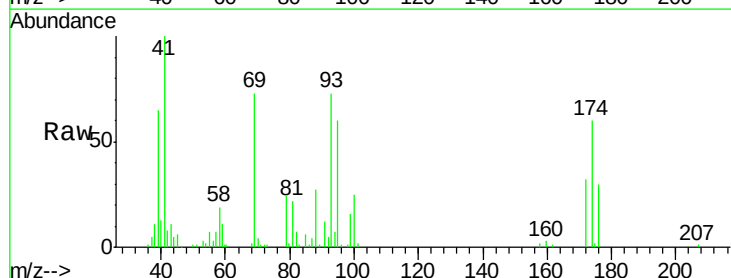
Tgt Ion: 93 Resp: 49021

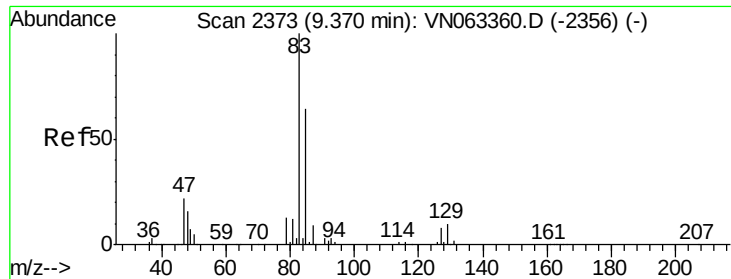
Ion Ratio Lower Upper

93 100

95 82.5 65.6 98.4

174 85.6 68.1 102.1





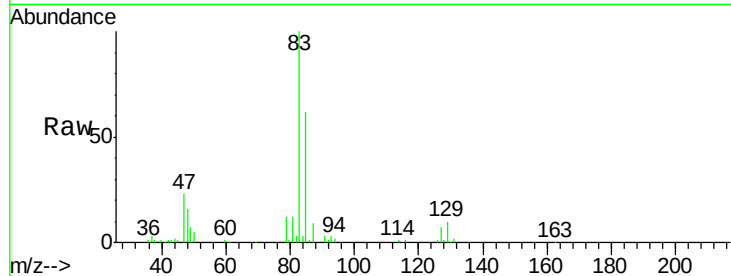
#47
Bromodichloromethane
Concen: 19.895 ug/l
RT: 9.37 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN063411.D
Acq: 17 Sep 2020 11:58

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	103196		
85	62.1	51.0	76.6	
127	7.4	6.3	9.5	

Manual Integrations
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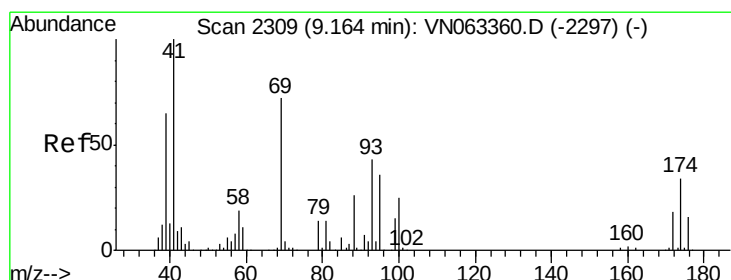
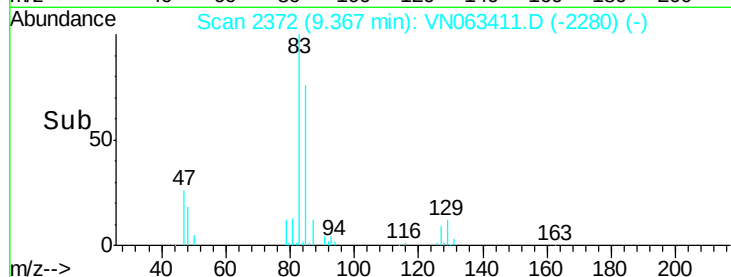
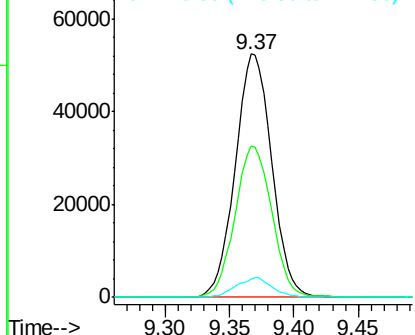
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VN063360.D (-2356) (-)

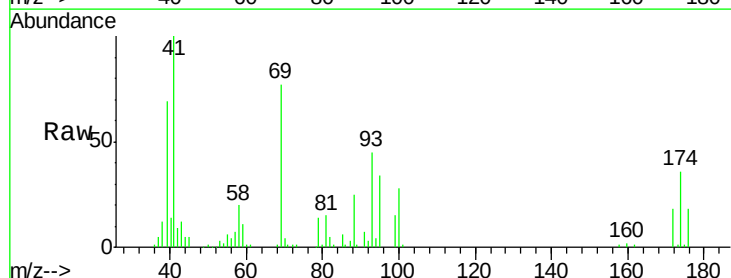
Ion 84.90 (84.60 to 85.60): VN063360.D (-2356) (-)

Ion 126.80 (126.50 to 127.50): VN063360.D (-2356) (-)



#48
Methyl methacrylate
Concen: 18.433 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN063411.D
Acq: 17 Sep 2020 11:58

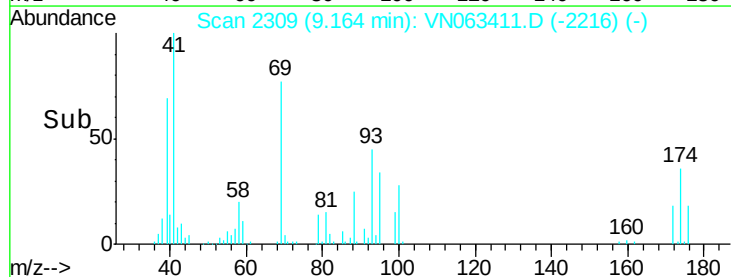
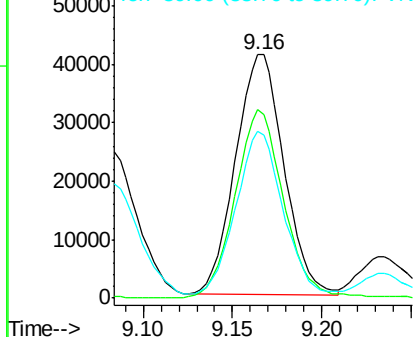
Tgt Ion	Ratio	Resp	Lower	Upper
41	100	77653		
69	79.0	59.3	88.9	
39	68.5	52.9	79.3	

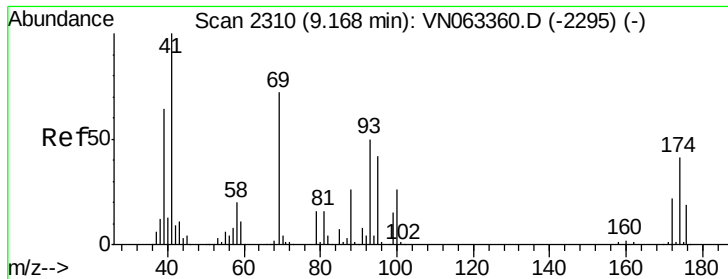


Abundance Ion 41.00 (40.70 to 41.70): VN063360.D (-2297) (-)

Ion 69.00 (68.70 to 69.70): VN063360.D (-2297) (-)

Ion 39.00 (38.70 to 39.70): VN063360.D (-2297) (-)





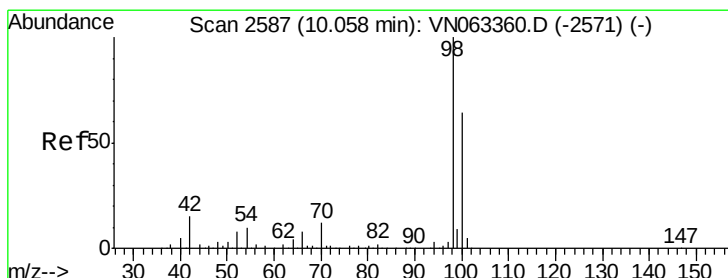
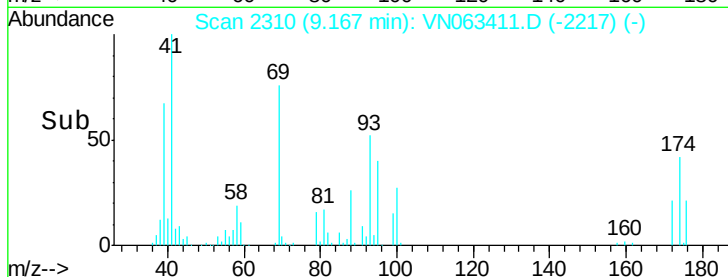
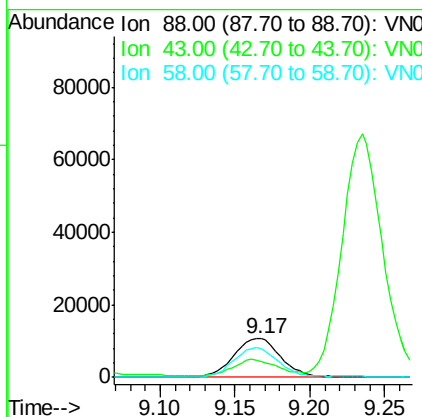
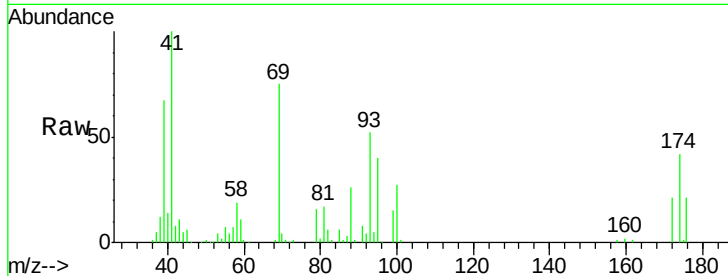
#49
1,4-Dioxane
Concen: 385.322 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN063411.D
Acq: 17 Sep 2020 11:58

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.7	32.6	49.0
58	73.7	60.0	90.0

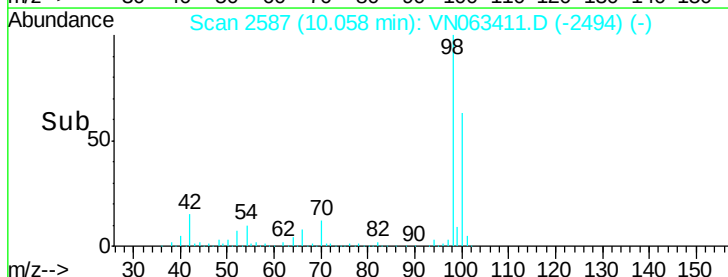
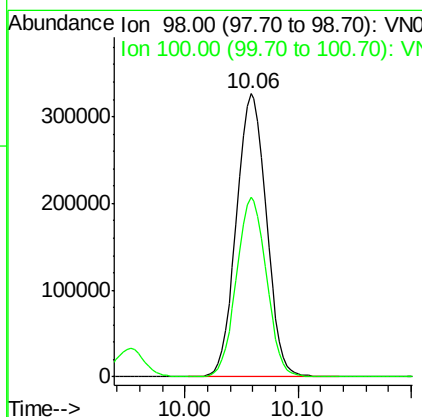
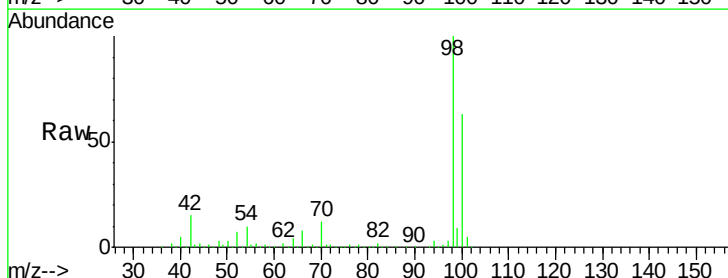
Manual Integrations
APPROVED

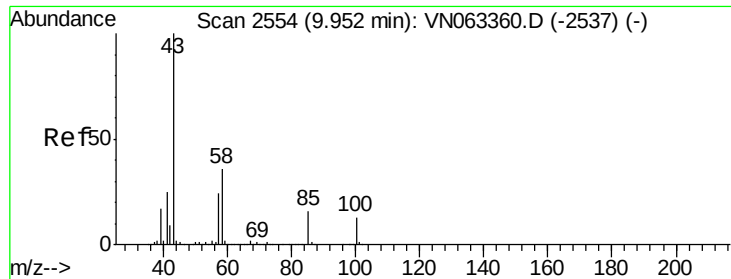
MMDadoda
9/18/2020 2:55:54 PM



#50
Toluene-d8
Concen: 50.741 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN063411.D
Acq: 17 Sep 2020 11:58

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.0	50.7	76.1





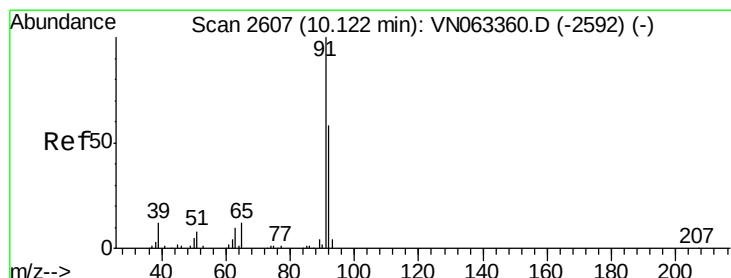
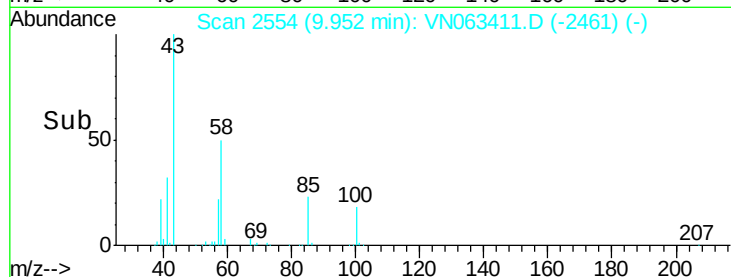
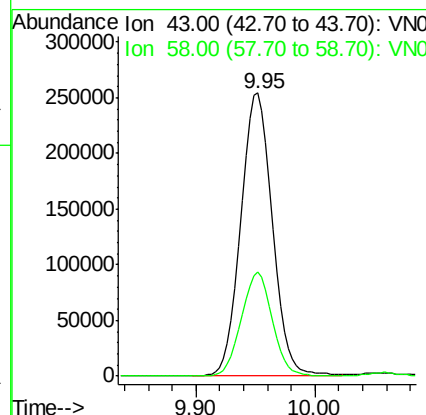
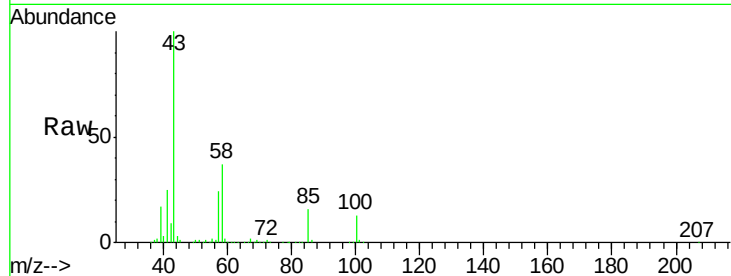
#51
4-Methyl-2-Pentanone
Concen: 97.178 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN063411.D
Acq: 17 Sep 2020 11:58

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	36.0	29.0	43.6

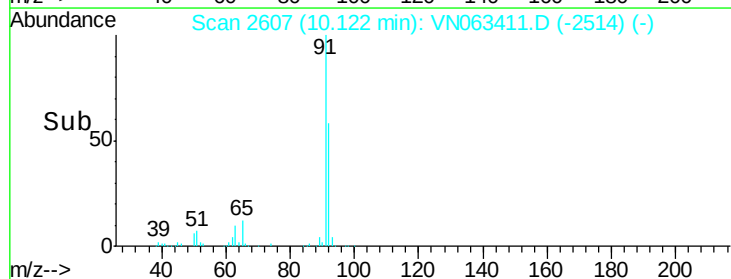
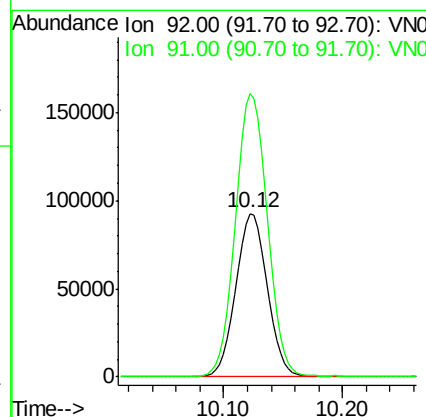
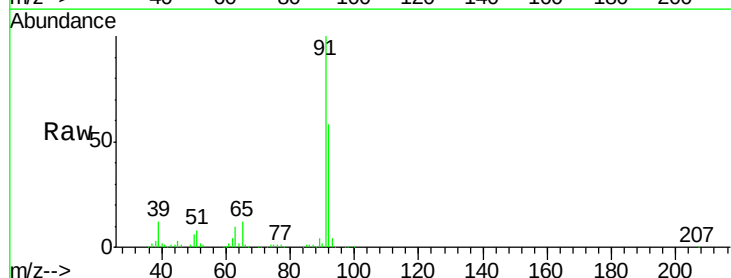
Manual Integrations
APPROVED

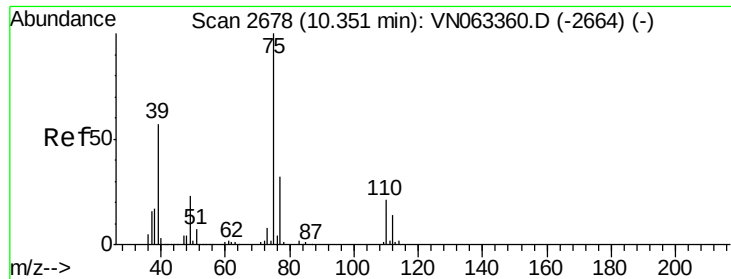
MMDadoda
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#52
Toluene
Concen: 20.309 ug/l
RT: 10.12 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN063411.D
Acq: 17 Sep 2020 11:58

Tgt Ion	Ratio	Lower	Upper
92	100		
91	176.1	139.7	209.5





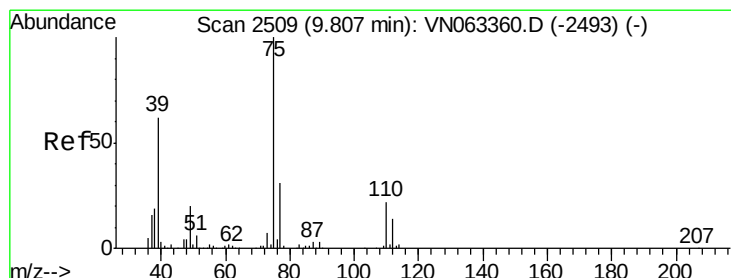
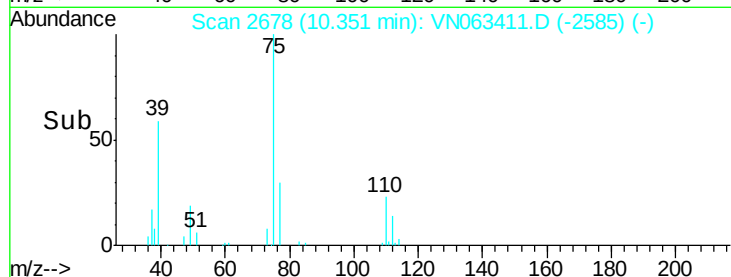
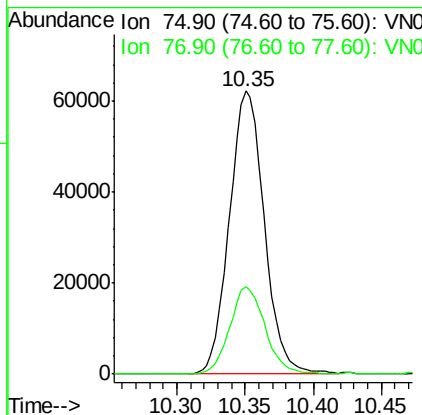
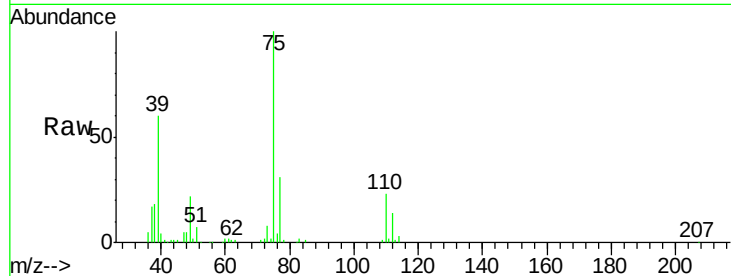
#53
t-1,3-Dichloropropene
Concen: 19.135 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN063411.D
Acq: 17 Sep 2020 11:58

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01

Tot Ion: 75 Resp: 110802
Ion Ratio Lower Upper
75 100
77 30.7 25.4 38.2

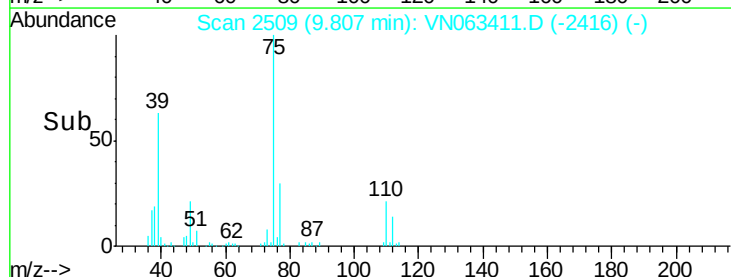
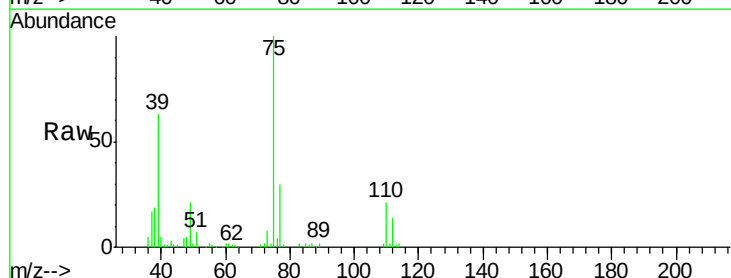
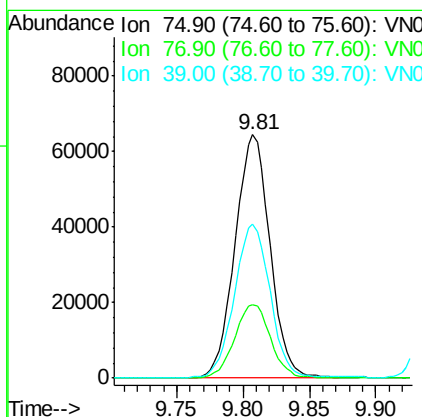
Manual Integrations
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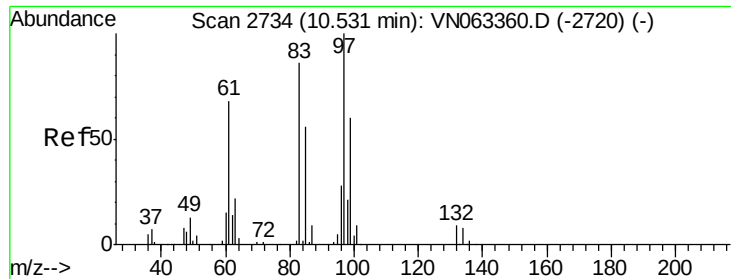
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#54
cis-1,3-Dichloropropene
Concen: 19.393 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN063411.D
Acq: 17 Sep 2020 11:58

Tgt Ion: 75 Resp: 118454
Ion Ratio Lower Upper
75 100
77 30.2 24.6 37.0
39 62.7 49.8 74.8





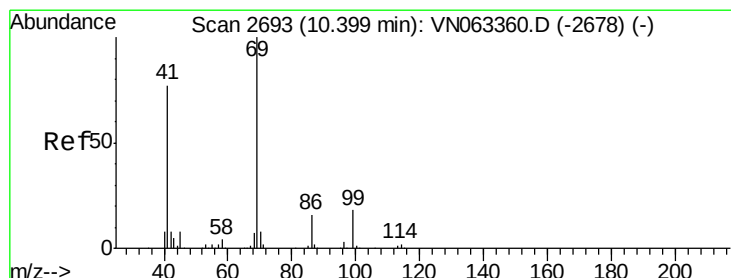
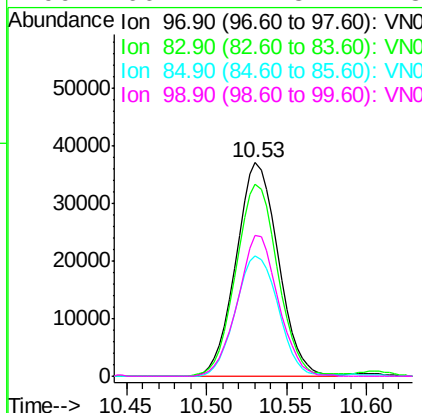
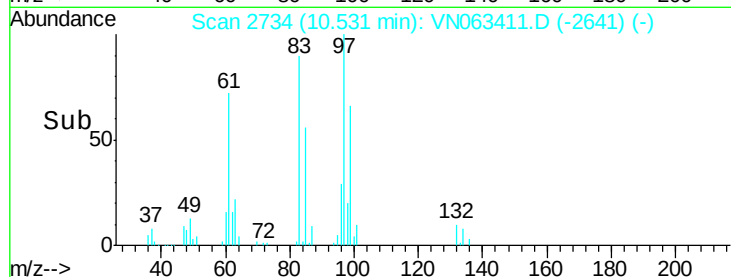
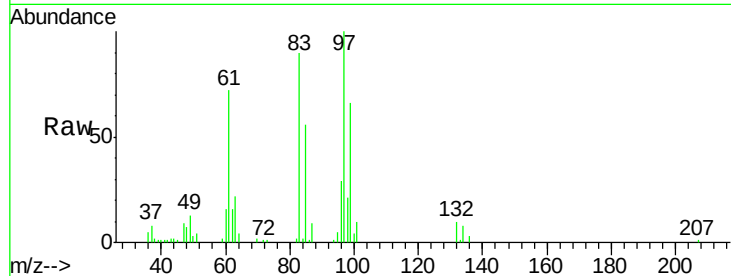
#55
 1,1,2-Trichloroethane
 Concen: 19.984 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN063411.D
 Acq: 17 Sep 2020 11:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBS01

Tot Ion:	97	Resp:	66566
Ion	Ratio	Lower	Upper
97	100		
83	89.8	68.9	103.3
85	56.4	44.8	67.2
99	66.2	47.8	71.8

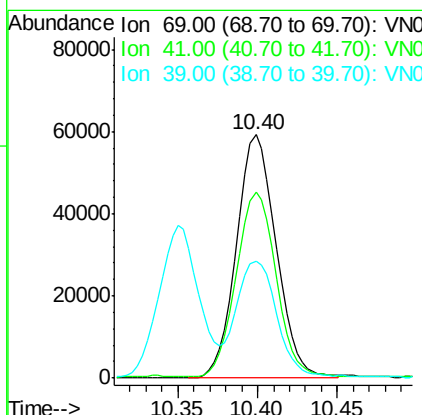
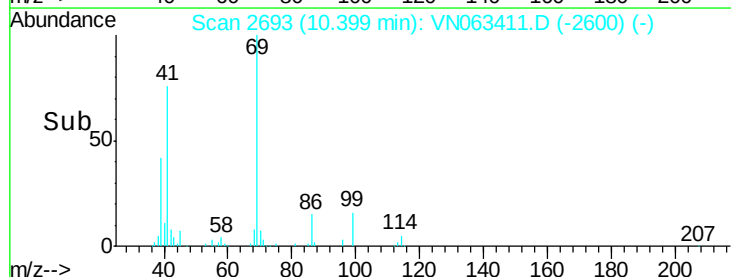
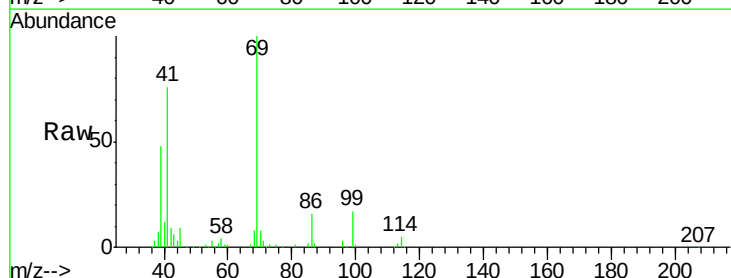
Manual Integrations
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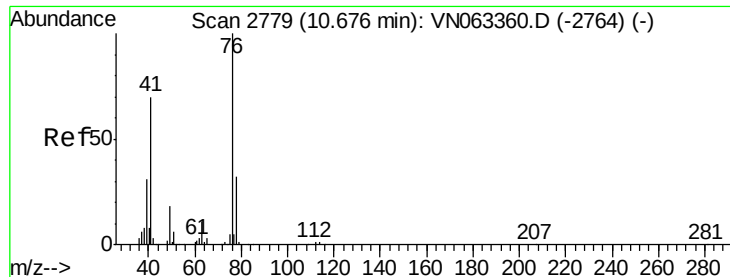
MMDadoda
 9/18/2020 2:55:54 PM



#56
 Ethyl methacrylate
 Concen: 19.295 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. -0.00 min
 Lab File: VN063411.D
 Acq: 17 Sep 2020 11:58

Tgt Ion:	69	Resp:	100334
Ion	Ratio	Lower	Upper
69	100		
41	75.5	61.0	91.6
39	47.9	39.2	58.8





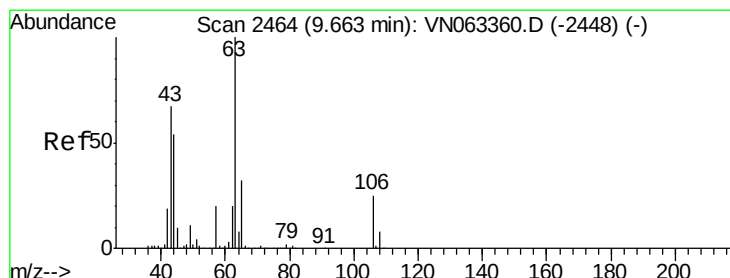
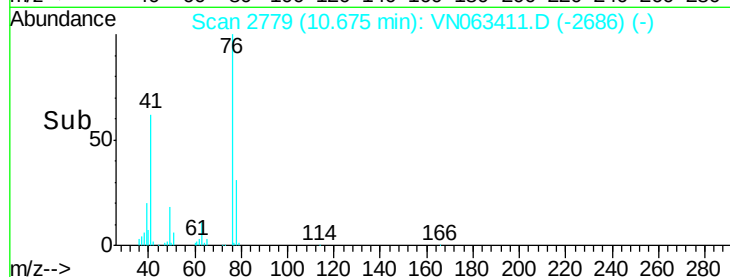
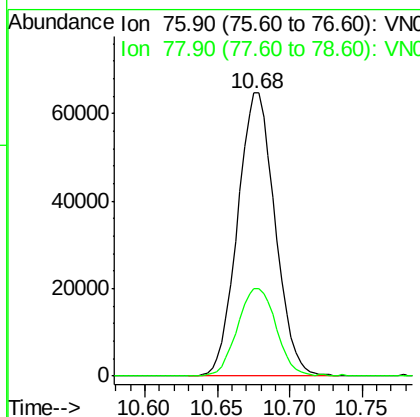
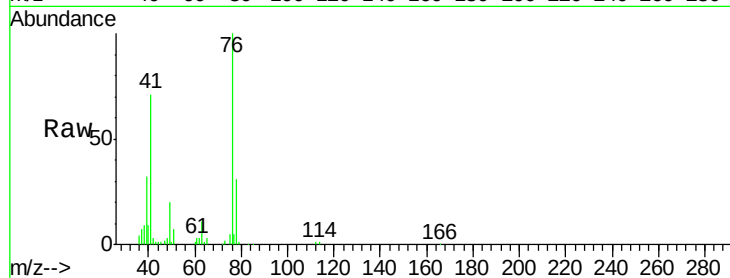
#57
 1,3-Dichloropropane
 Concen: 19.415 ug/l
 RT: 10.68 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN063411.D
 Acq: 17 Sep 2020 11:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.8	38.8

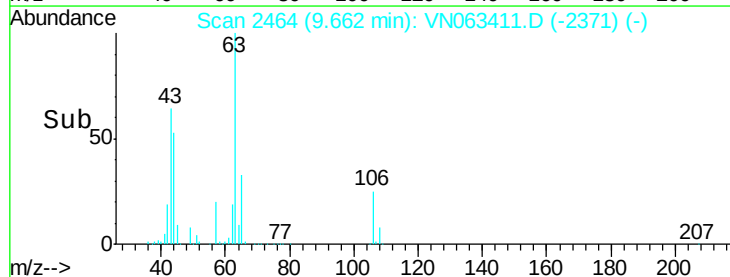
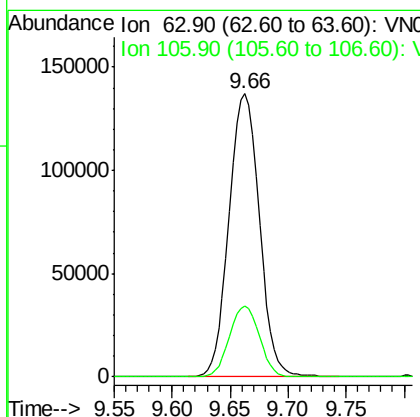
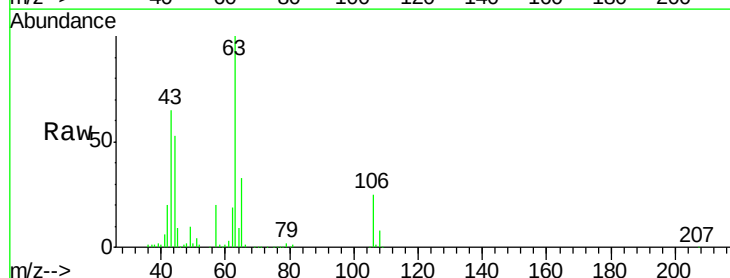
Manual Integrations
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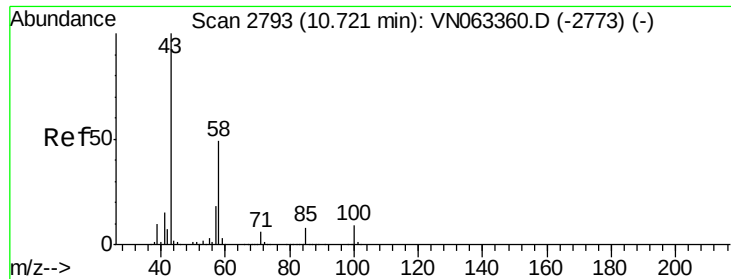
MMDadoda
 9/18/2020 2:55:54 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 91.239 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN063411.D
 Acq: 17 Sep 2020 11:58

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.7	19.5	29.3





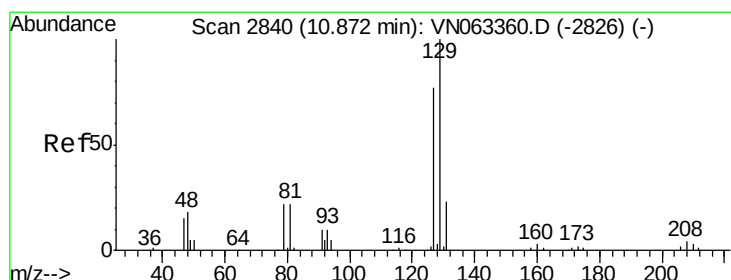
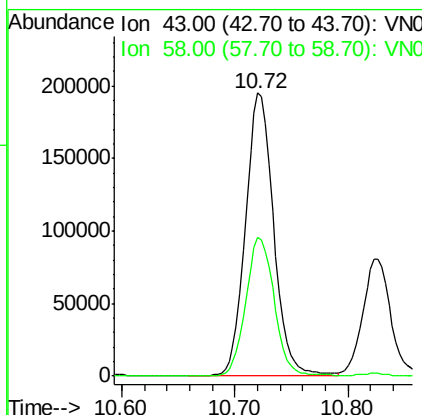
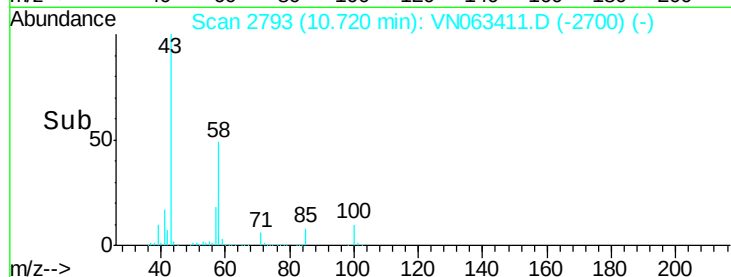
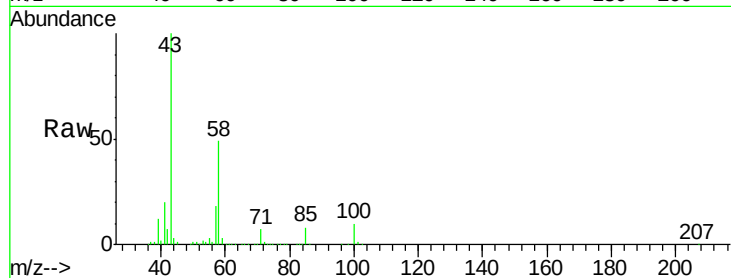
#59
2-Hexanone
Concen: 96.925 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN063411.D
Acq: 17 Sep 2020 11:58

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01

Tot Ion: 43 Resp: 337082
Ion Ratio Lower Upper
43 100
58 49.7 24.7 74.1

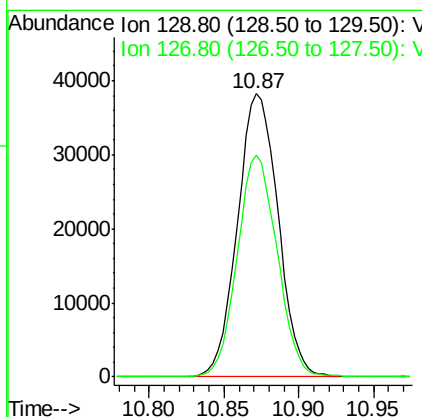
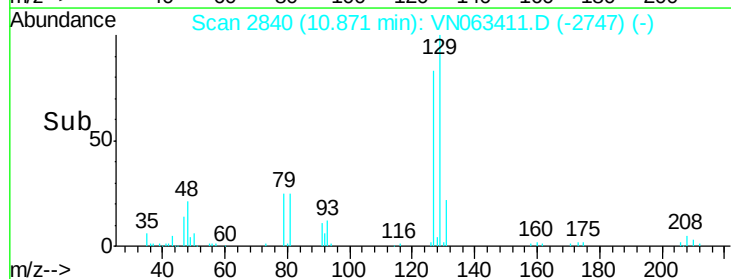
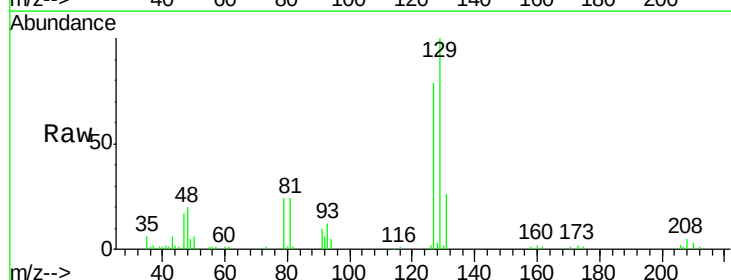
Manual Integrations
APPROVED

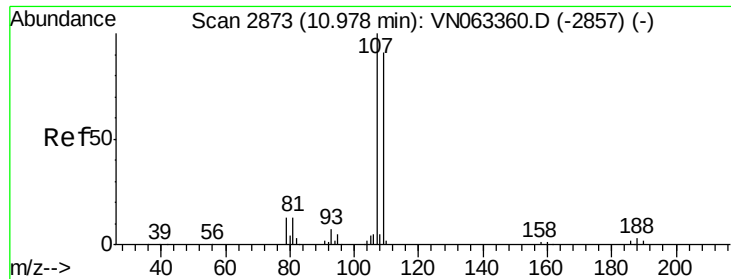
MMDadoda
9/18/2020 2:55:54 PM



#60
Dibromochloromethane
Concen: 19.240 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN063411.D
Acq: 17 Sep 2020 11:58

Tgt Ion: 129 Resp: 72402
Ion Ratio Lower Upper
129 100
127 76.8 39.1 117.3





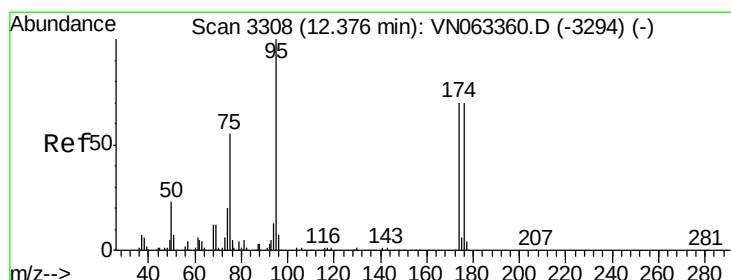
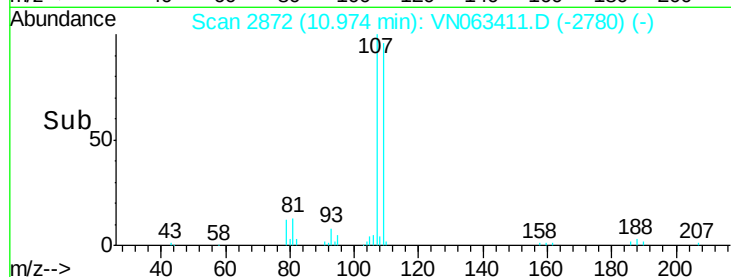
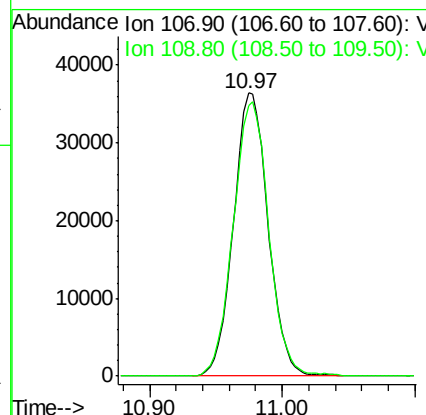
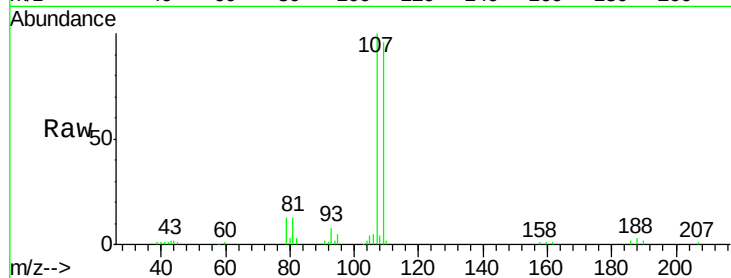
#61
 1,2-Dibromoethane
 Concen: 19.046 ug/l
 RT: 10.97 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN063411.D
 Acq: 17 Sep 2020 11:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	99.5	74.6	111.8

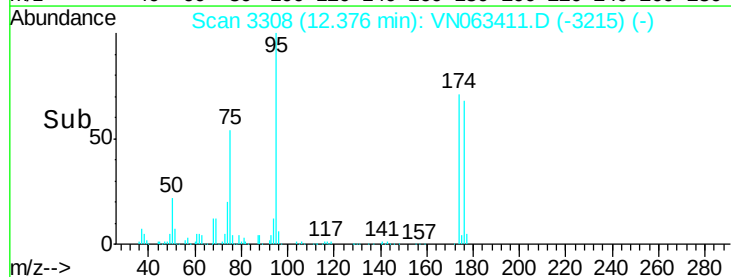
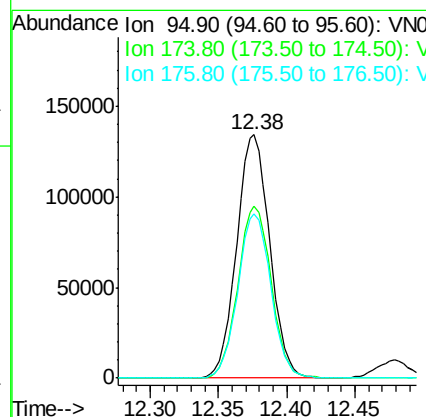
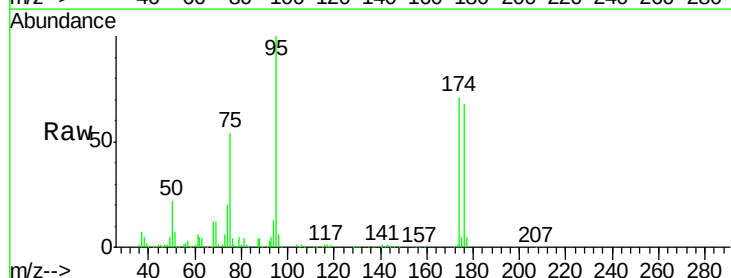
Manual Integrations
 APPROVED

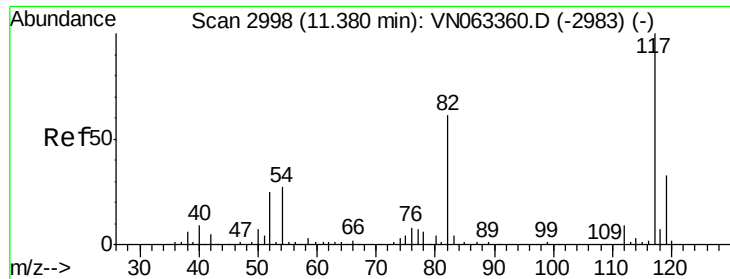
MMDadoda
 9/18/2020 2:55:54 PM



#62
 4-Bromofluorobenzene
 Concen: 51.670 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.00 min
 Lab File: VN063411.D
 Acq: 17 Sep 2020 11:58

Tgt Ion	Ratio	Lower	Upper
95	100		
174	71.2	0.0	140.8
176	67.6	0.0	137.6





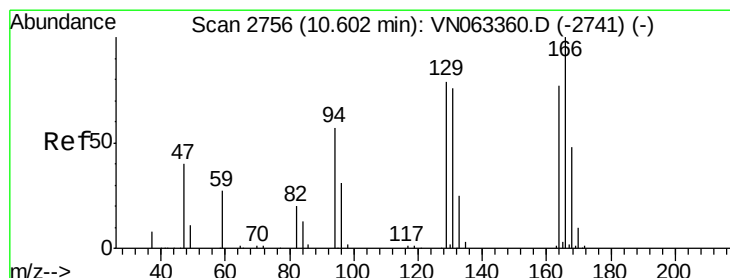
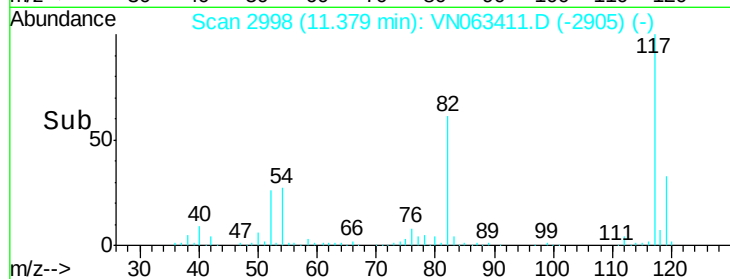
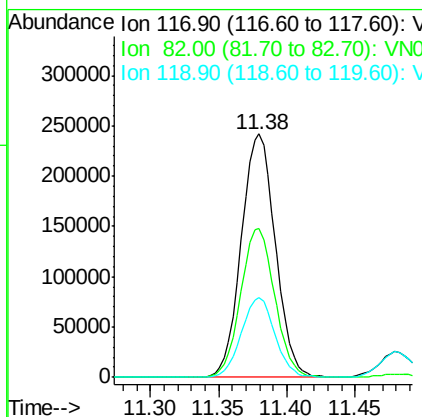
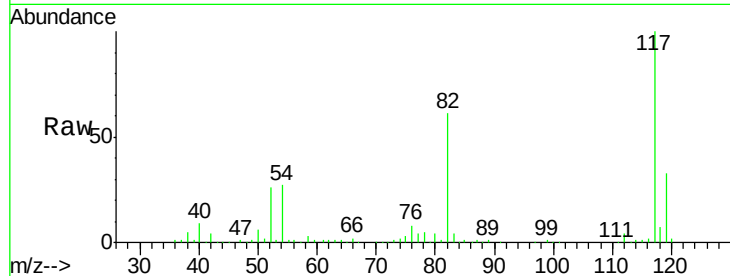
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063411.D
Acq: 17 Sep 2020 11:58

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.0	49.2	73.8
119	32.8	26.2	39.4

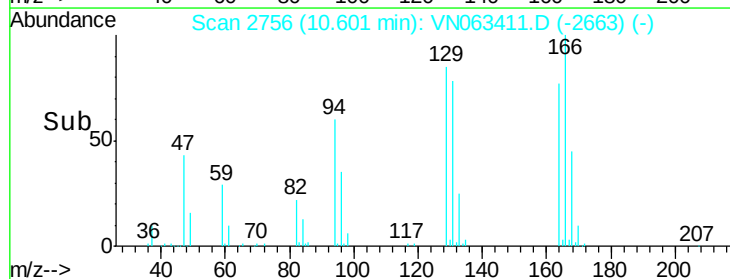
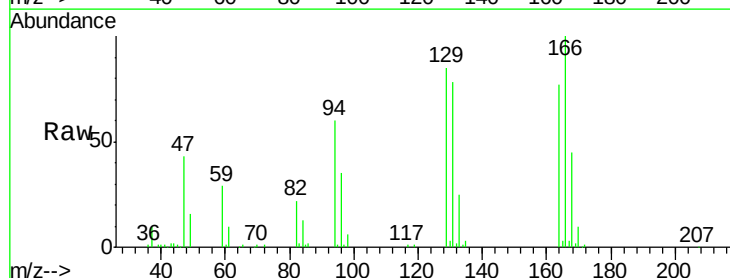
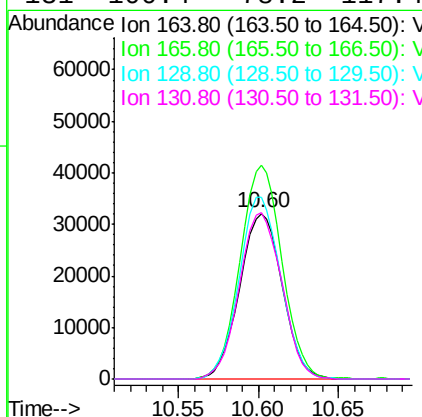
Manual Integrations
APPROVED

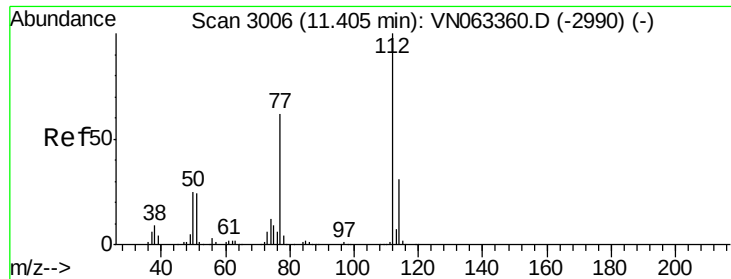
MMDadoda
9/18/2020 2:55:54 PM



#64
Tetrachloroethene
Concen: 20.494 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN063411.D
Acq: 17 Sep 2020 11:58

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.2	103.4	155.0
129	109.9	81.8	122.6
131	100.4	78.2	117.4





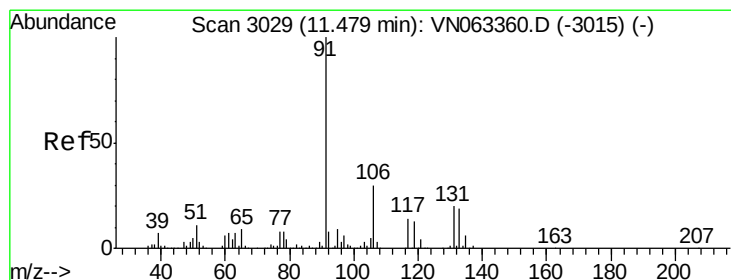
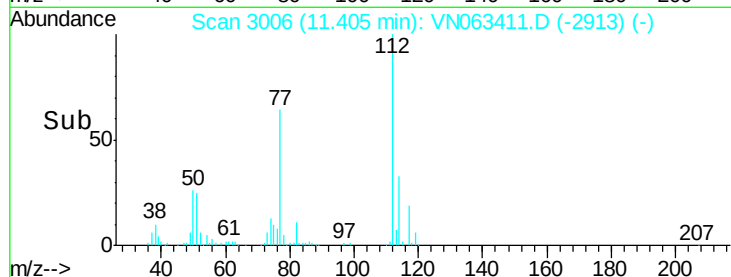
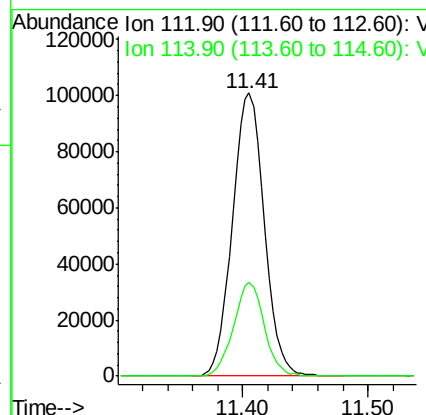
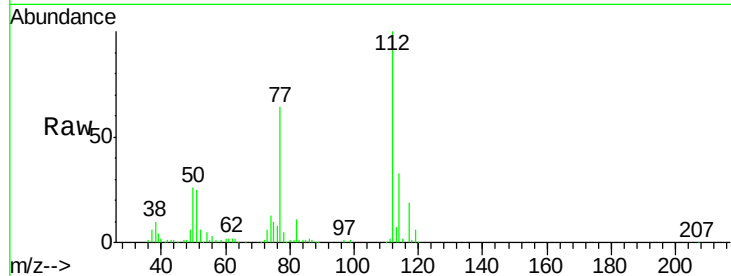
#65
Chlorobenzene
Concen: 19.964 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN063411.D
Acq: 17 Sep 2020 11:58

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01

Tot Ion:112 Resp: 177760
Ion Ratio Lower Upper
112 100
114 33.0 25.0 37.6

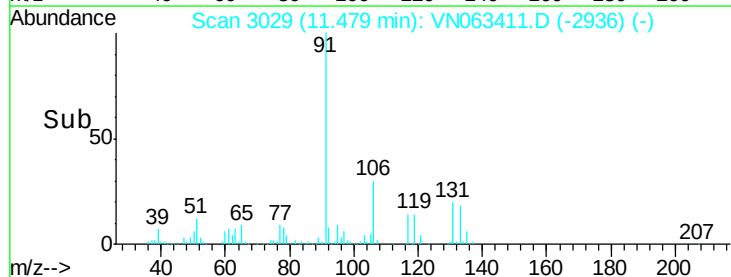
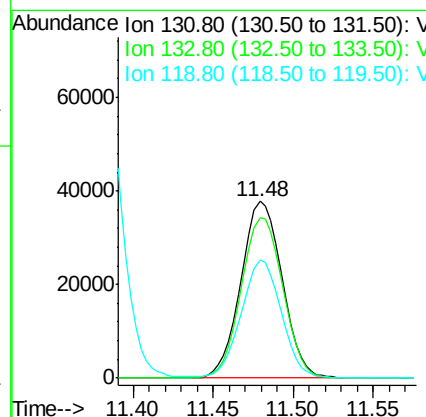
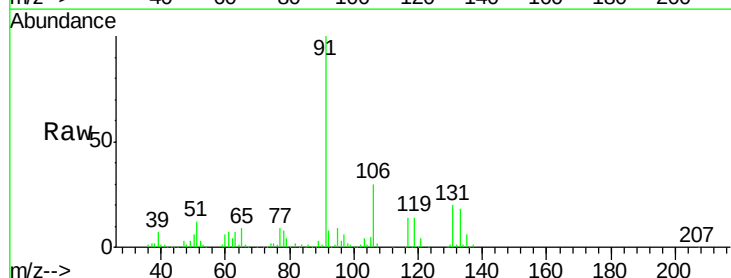
Manual Integrations
APPROVED

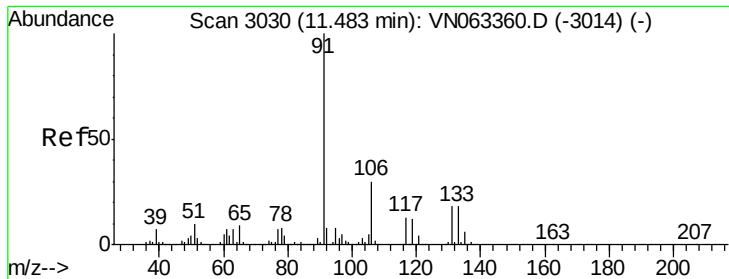
MMDadoda
9/18/2020 2:55:54 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.408 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN063411.D
Acq: 17 Sep 2020 11:58

Tgt Ion:131 Resp: 66611
Ion Ratio Lower Upper
131 100
133 91.2 47.3 141.9
119 64.8 33.6 100.8





#67

Ethyl Benzene

Concen: 20.051 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. -0.00 min

Lab File: VN063411.D

Acq: 17 Sep 2020 11:58

Instrument :

MSVOA_N

ClientSampled :

VN0917WBS01

Tot Ion: 91 Resp: 336213

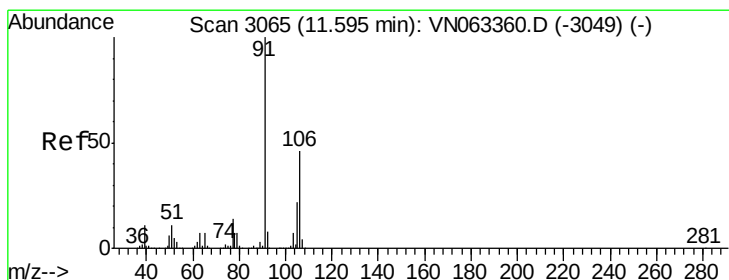
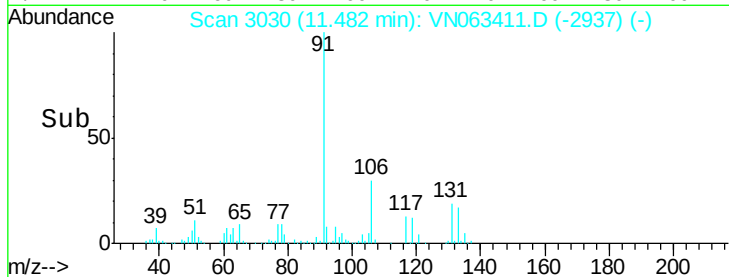
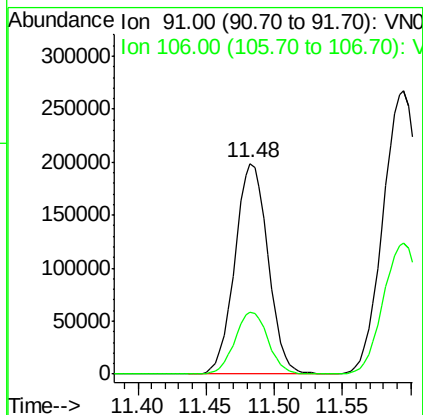
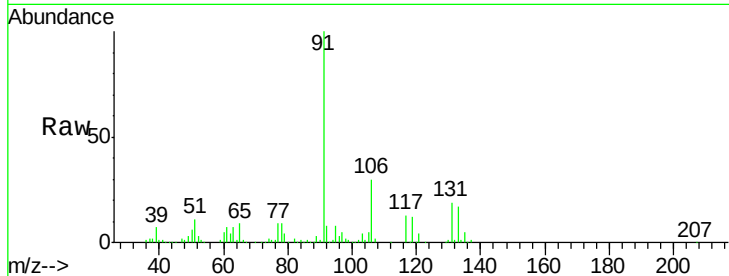
Ion Ratio Lower Upper

91 100

106 29.7 23.8 35.6

Manual Integrations
APPROVED

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#68

m/p-Xylenes

Concen: 39.901 ug/l

RT: 11.59 min Scan# 3065

Delta R.T. -0.00 min

Lab File: VN063411.D

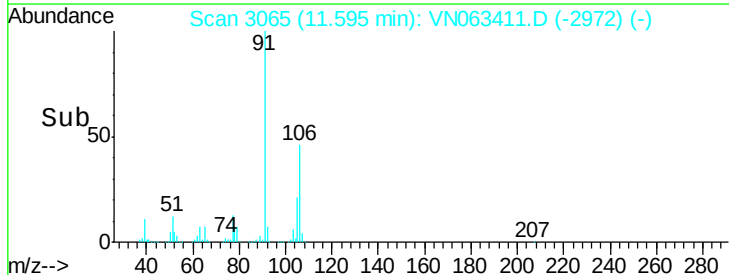
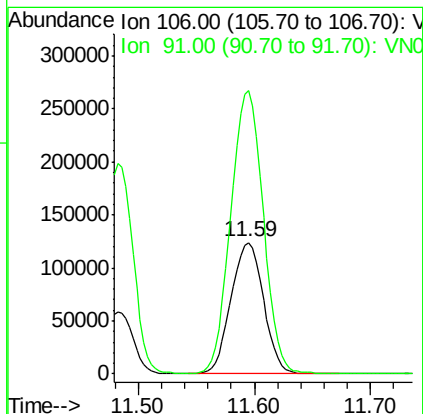
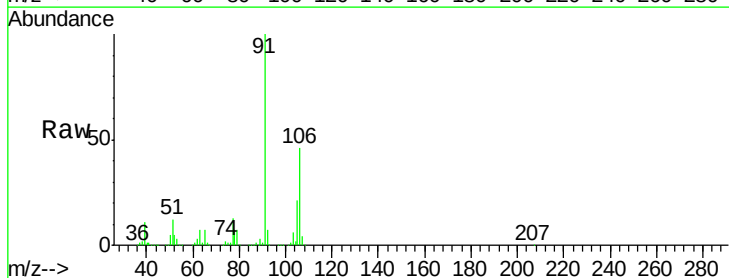
Acq: 17 Sep 2020 11:58

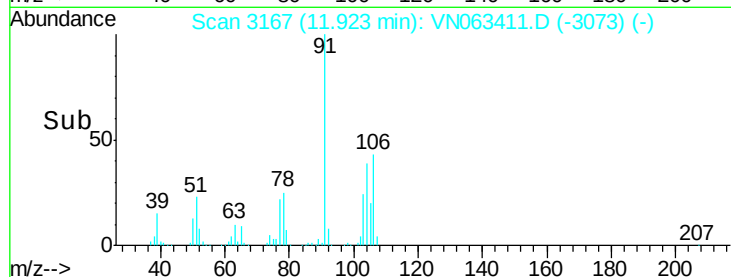
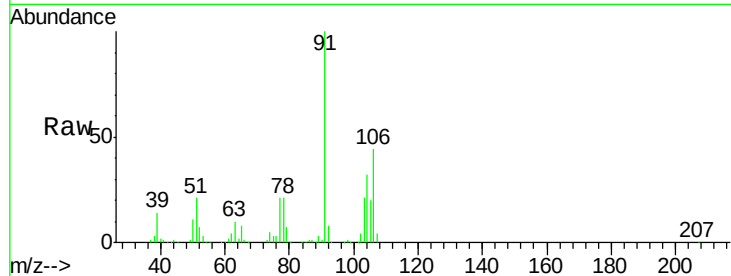
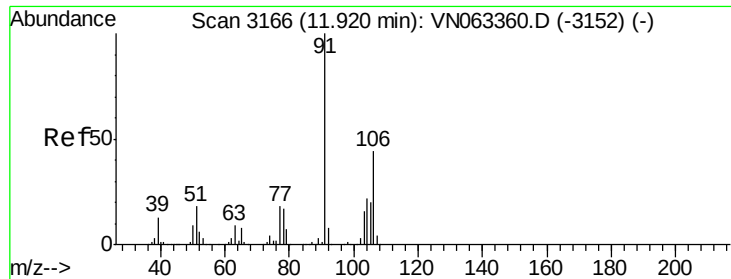
Tgt Ion: 106 Resp: 241234

Ion Ratio Lower Upper

106 100

91 215.7 171.2 256.8





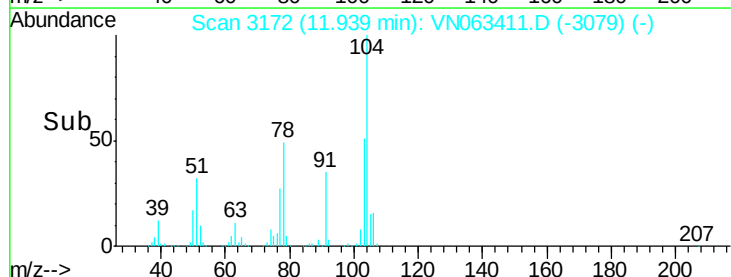
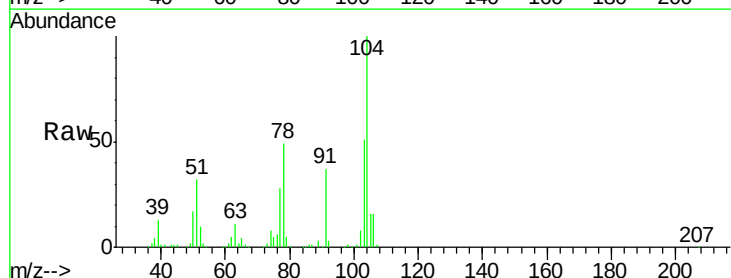
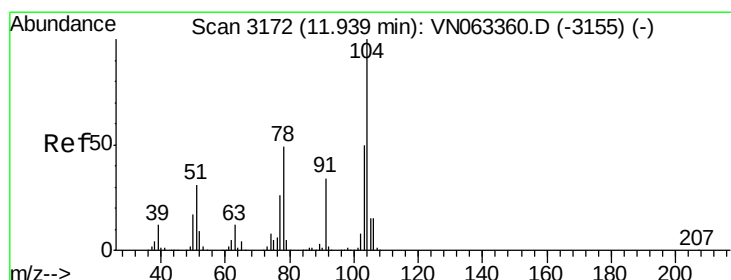
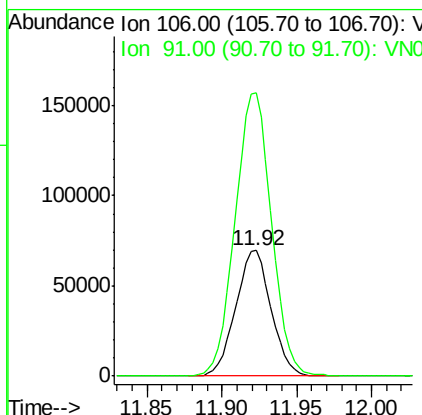
#69
o-Xylene
Concen: 19.915 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063411.D
Acq: 17 Sep 2020 11:58

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		114697		
91	231.7	113.6	340.8		

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01

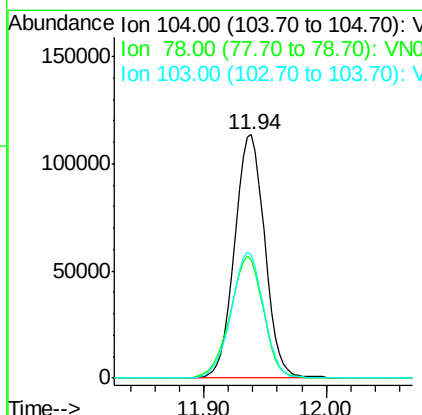
Manual Integrations
APPROVED

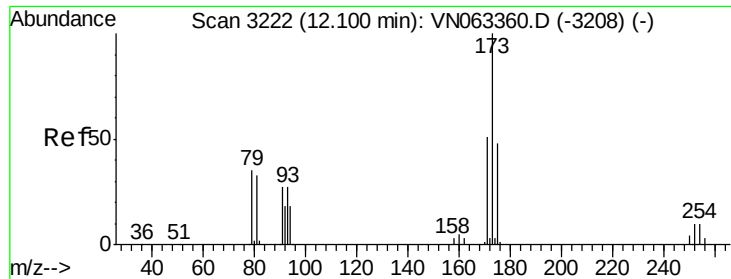
MMDadoda
9/18/2020 2:55:54 PM



#70
Styrene
Concen: 20.189 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. -0.00 min
Lab File: VN063411.D
Acq: 17 Sep 2020 11:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		194991		
78	55.1	44.4	66.6		
103	55.5	43.7	65.5		





#71

Bromoform

Concen: 18.970 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN063411.D

Acq: 17 Sep 2020 11:58

Instrument :

MSVOA_N

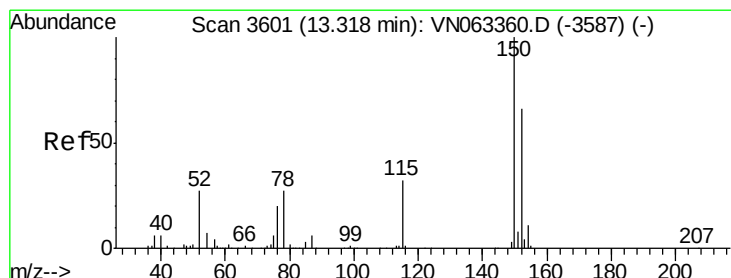
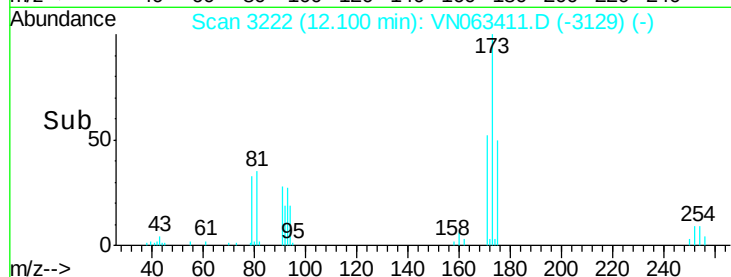
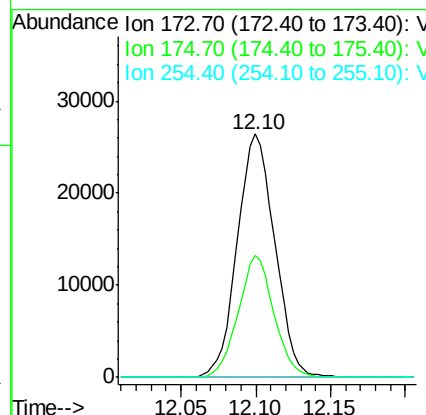
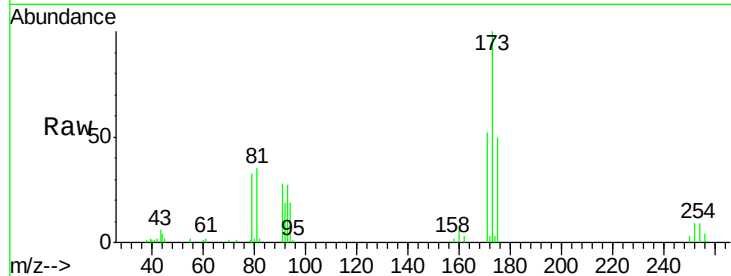
ClientSampleId :

VN0917WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
173	100		46127		
175	47.5	24.0	72.0		
254	0.0	0.0	0.0		

Manual Integrations
APPROVED

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9/18/2020 2:55:54 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

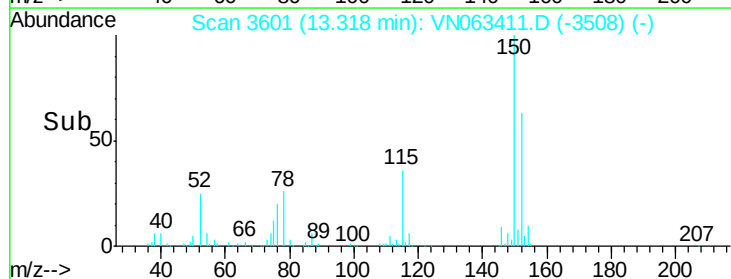
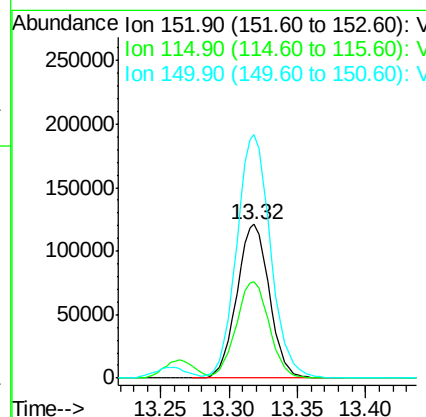
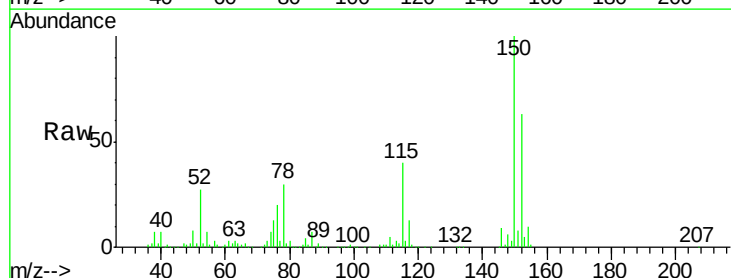
RT: 13.32 min Scan# 3601

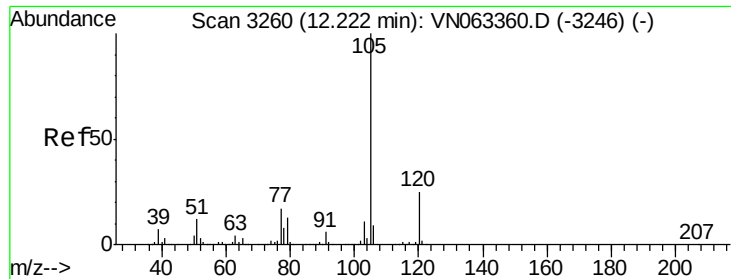
Delta R.T. -0.00 min

Lab File: VN063411.D

Acq: 17 Sep 2020 11:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
152	100		200419		
115	63.6	32.2	96.6		
150	164.5	0.0	343.4		





#73

Isopropylbenzene

Concen: 19.891 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN063411.D

Acq: 17 Sep 2020 11:58

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBS01

Tot Ion:105 Resp: 319452

Ion Ratio Lower Upper

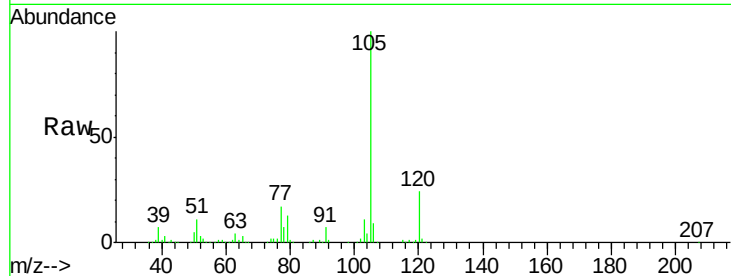
105 100

120 24.8 12.7 38.0

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.22

200000

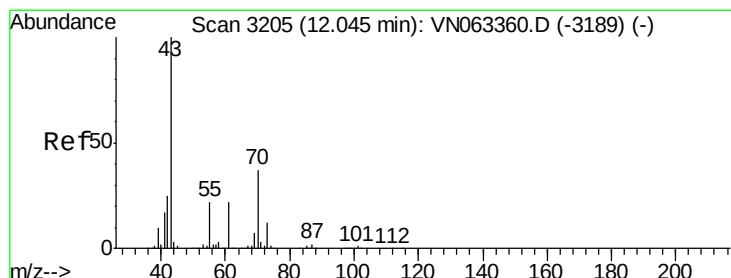
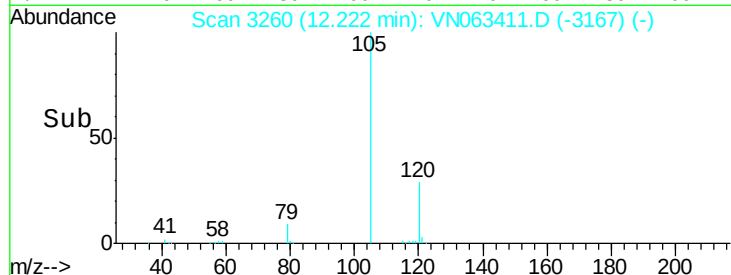
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 18.684 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. -0.00 min

Lab File: VN063411.D

Acq: 17 Sep 2020 11:58

Tgt Ion: 43 Resp: 142043

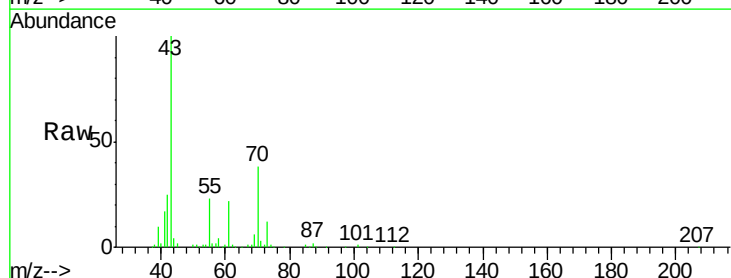
Ion Ratio Lower Upper

43 100

70 36.5 29.6 44.4

55 22.0 17.7 26.5

61 21.7 17.4 26.2



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

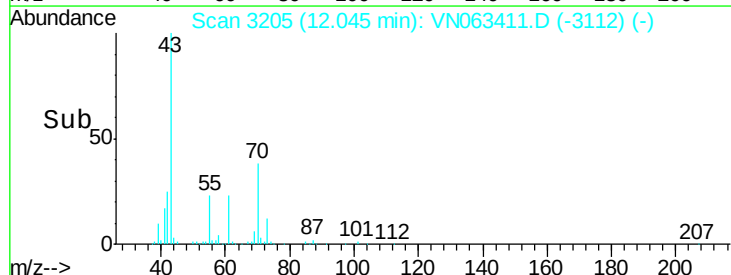
12.05

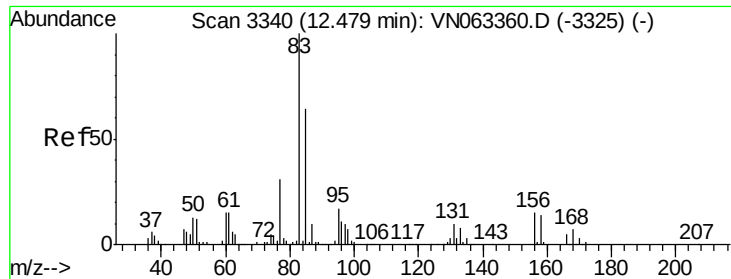
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.341 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. -0.00 min

Lab File: VN063411.D

Acq: 17 Sep 2020 11:58

Instrument :

MSVOA_N

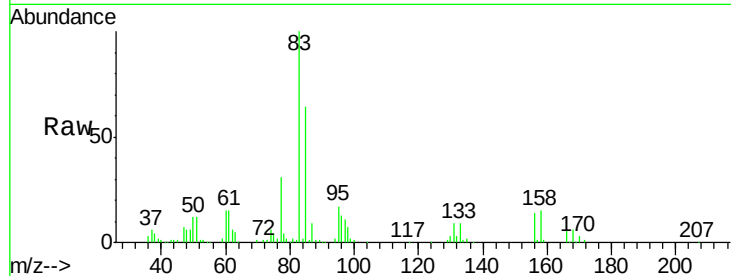
ClientSampleId :

VN0917WBS01

Tot Ion:	83	Resp:	96179
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.9	14.7
85	64.9	32.0	96.0

Manual Integrations
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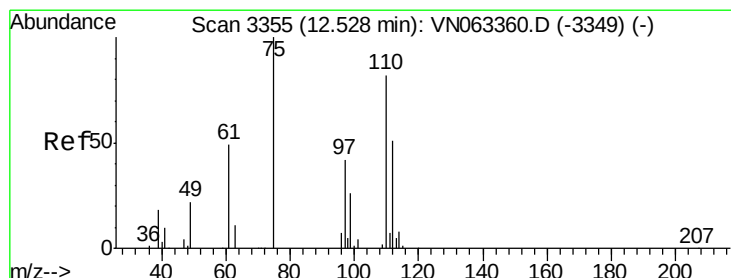
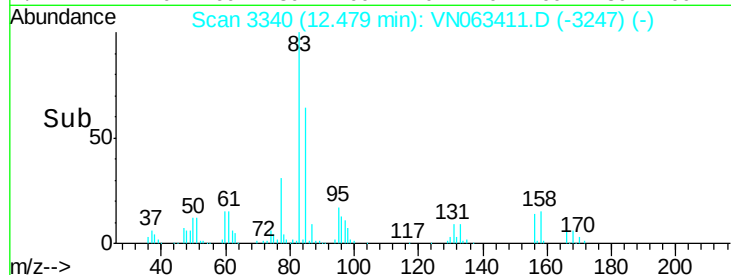
Abundance Ion 82.90 (82.60 to 83.60): VN063360.D (-3325) (-)

Ion 130.80 (130.50 to 131.50): VN063360.D (-3325) (-)

Ion 84.90 (84.60 to 85.60): VN063360.D (-3325) (-)

Time-->

12.48



#76

1,2,3-Trichloropropane

Concen: 17.895 ug/l m

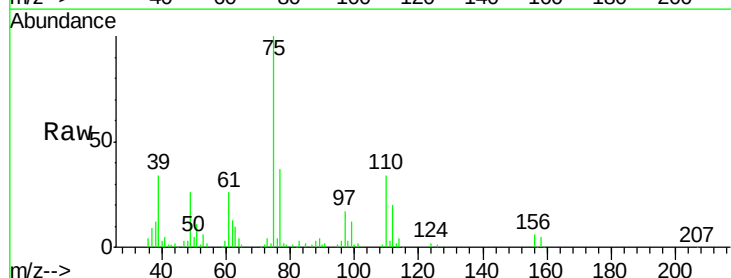
RT: 12.53 min Scan# 3355

Delta R.T. -0.00 min

Lab File: VN063411.D

Acq: 17 Sep 2020 11:58

Tgt Ion:	75	Resp:	88770
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0

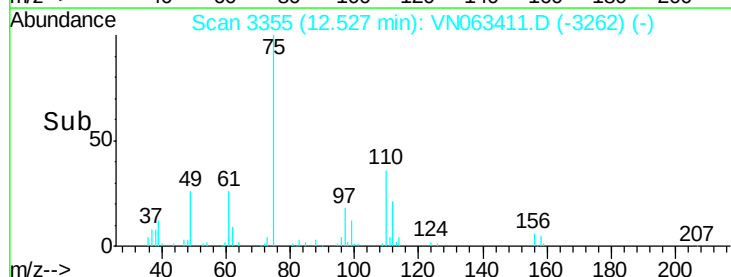


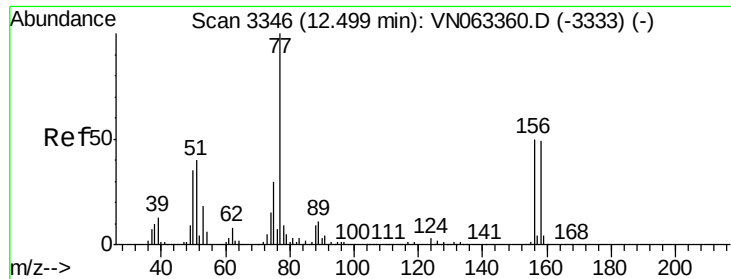
Abundance Ion 74.90 (74.60 to 75.60): VN063360.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN063360.D (-3349) (-)

Time-->

12.53





#77

Bromobenzene

Concen: 20.008 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN063411.D

Acq: 17 Sep 2020 11:58

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBS01

Tot Ion:156 Resp: 72284

Ion Ratio Lower Upper

156 100

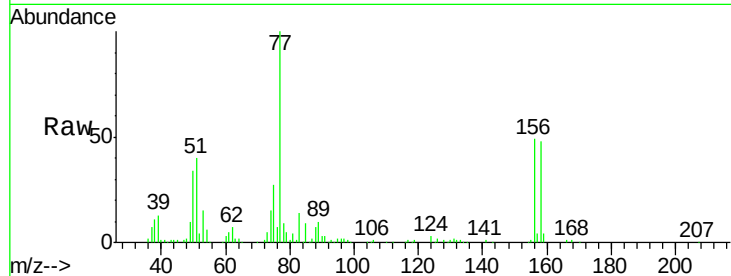
77 237.3 120.2 360.6

158 99.5 48.9 146.6

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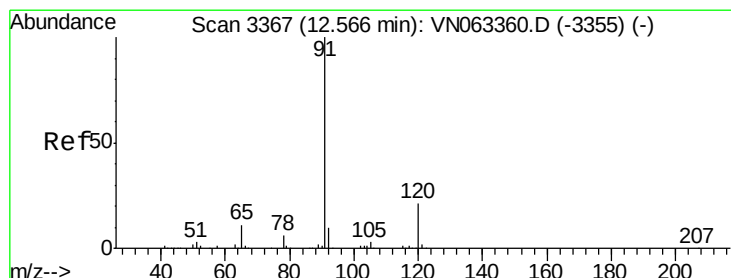
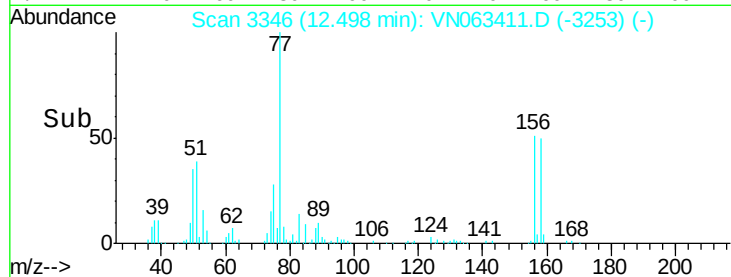
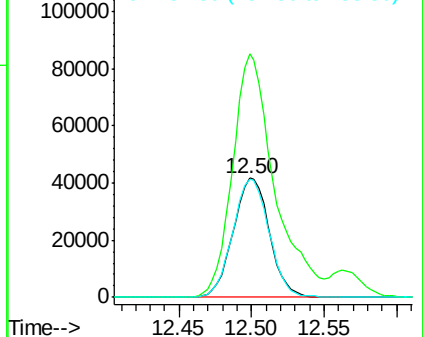
9/18/2020 2:55:54 PM



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: 19.982 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN063411.D

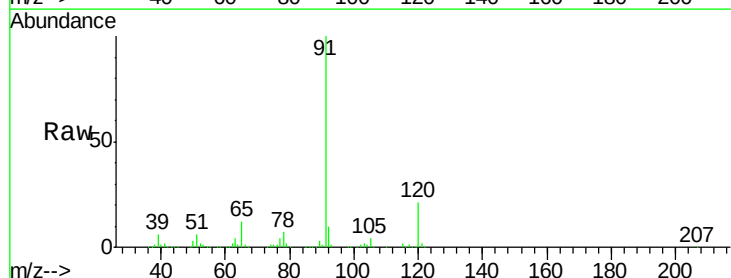
Acq: 17 Sep 2020 11:58

Tgt Ion: 91 Resp: 373783

Ion Ratio Lower Upper

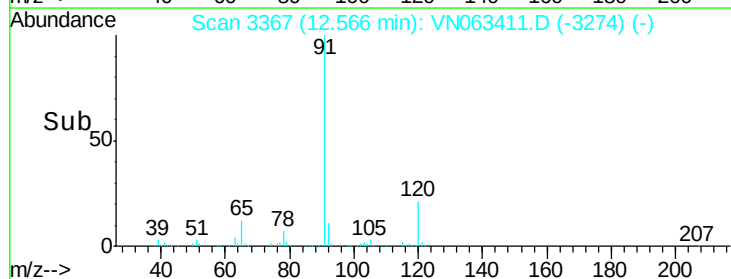
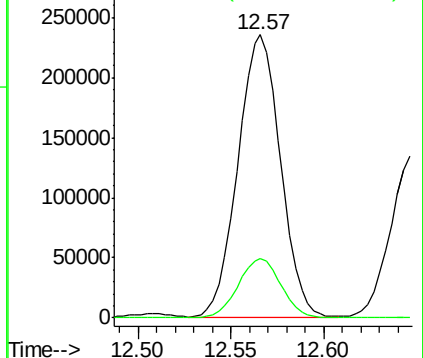
91 100

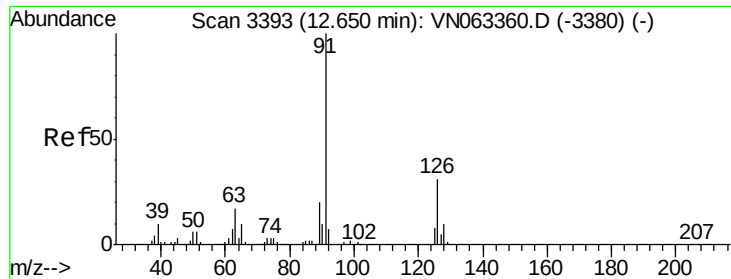
120 21.2 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.178 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. -0.00 min

Lab File: VN063411.D

Acq: 17 Sep 2020 11:58

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBS01

Tot Ion: 91 Resp: 226265

Ion Ratio Lower Upper

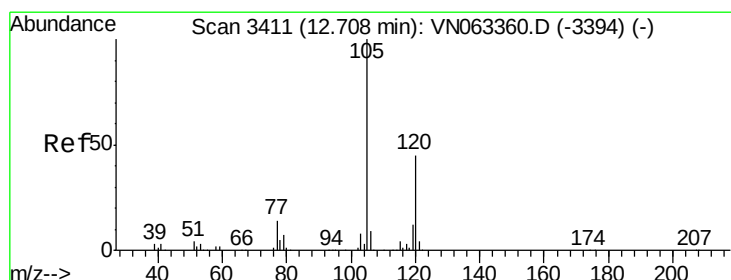
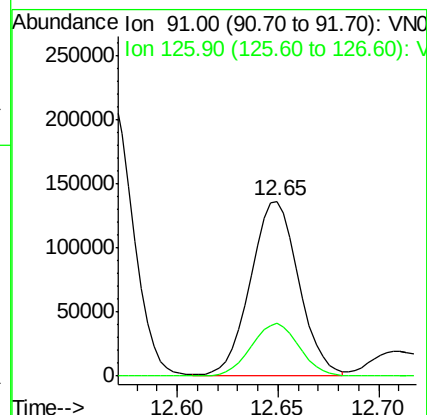
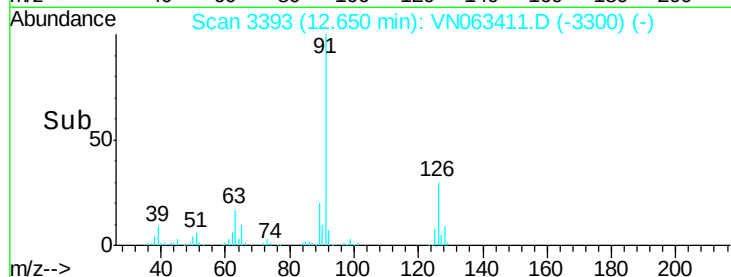
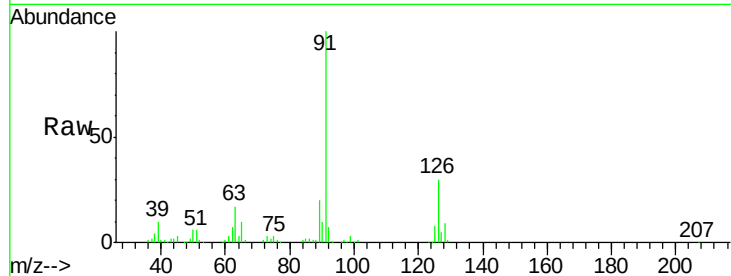
91 100

126 30.4 15.8 47.3

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#80

1,3,5-Trimethylbenzene

Concen: 20.273 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN063411.D

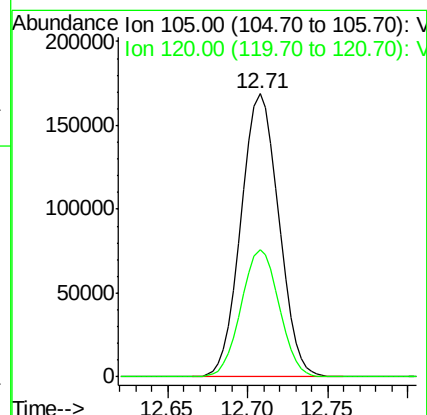
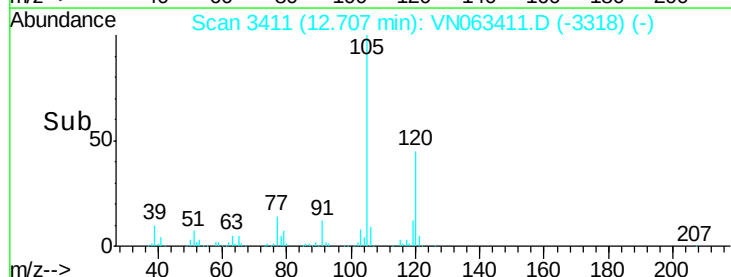
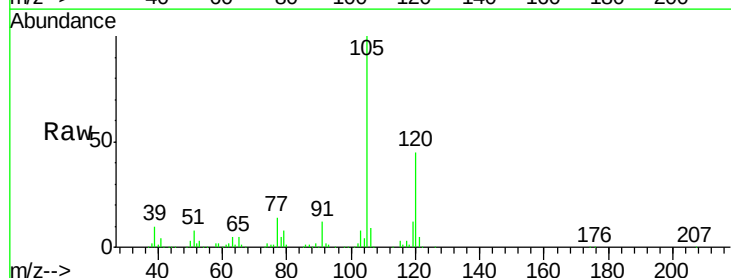
Acq: 17 Sep 2020 11:58

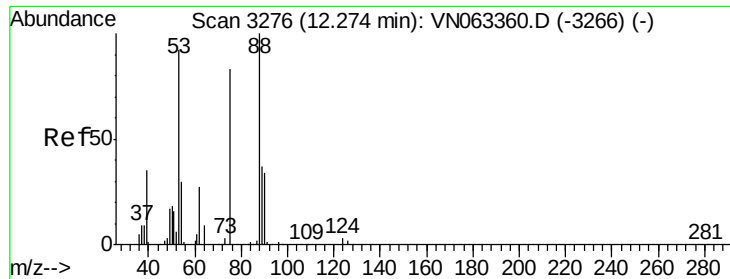
Tgt Ion: 105 Resp: 271505

Ion Ratio Lower Upper

105 100

120 45.3 22.9 68.8





#81

trans-1,4-Dichloro-2-butene

Concen: 16.935 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. -0.00 min

Lab File: VN063411.D

Acq: 17 Sep 2020 11:58

Instrument :

MSVOA_N

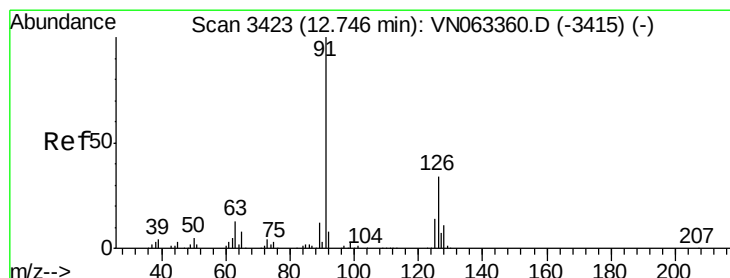
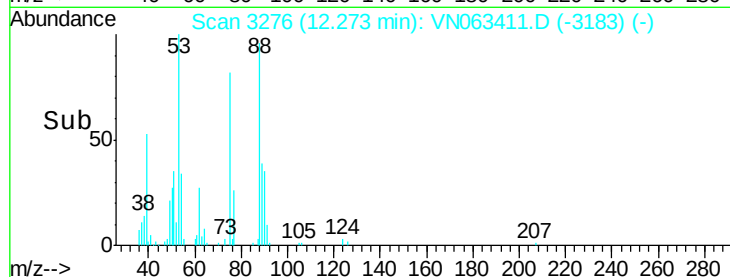
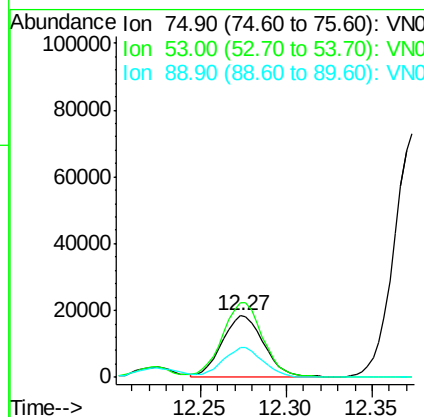
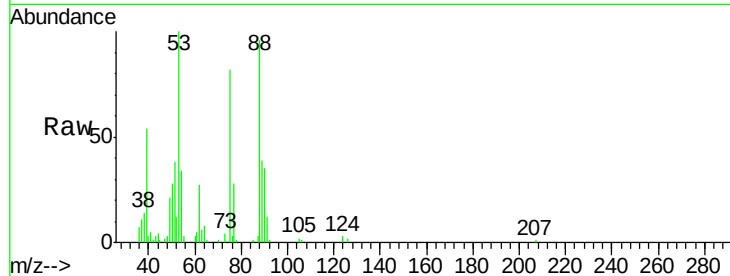
ClientSampleId :

VN0917WBS01

Tot Ion:	75	Resp:	30642
Ion	Ratio	Lower	Upper
75	100		
53	118.1	85.7	128.5
89	47.6	38.0	57.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.167 ug/l

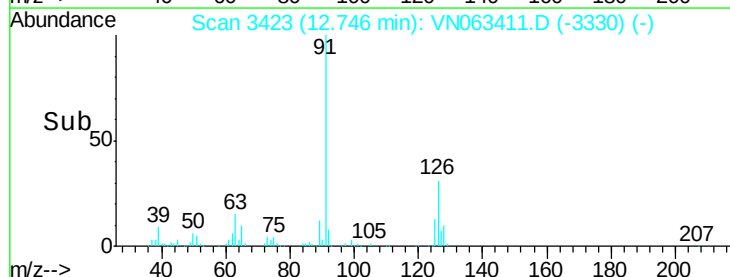
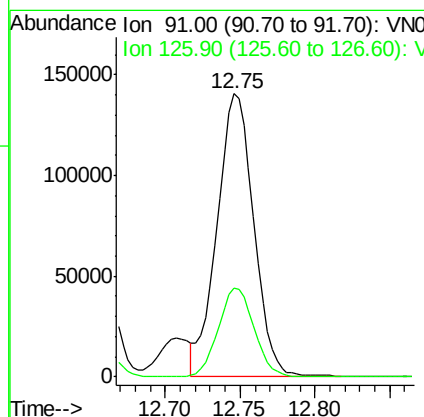
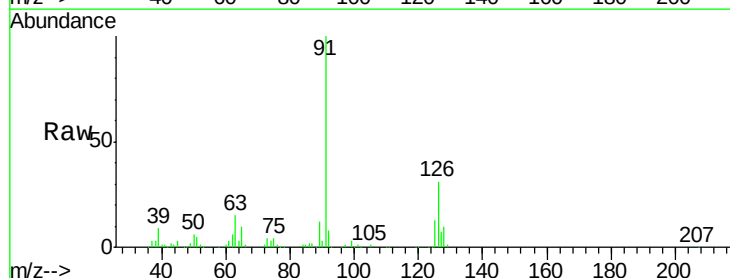
RT: 12.75 min Scan# 3423

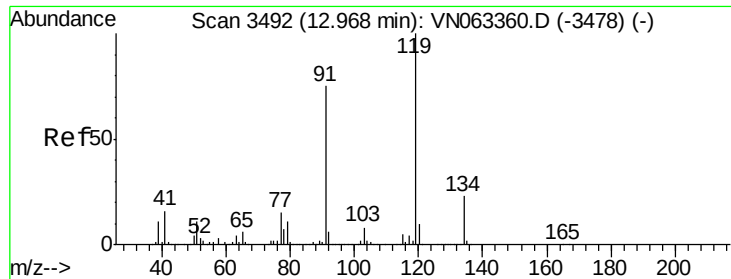
Delta R.T. -0.00 min

Lab File: VN063411.D

Acq: 17 Sep 2020 11:58

Tgt Ion:	91	Resp:	238931
Ion	Ratio	Lower	Upper
91	100		
126	30.3	15.5	46.5





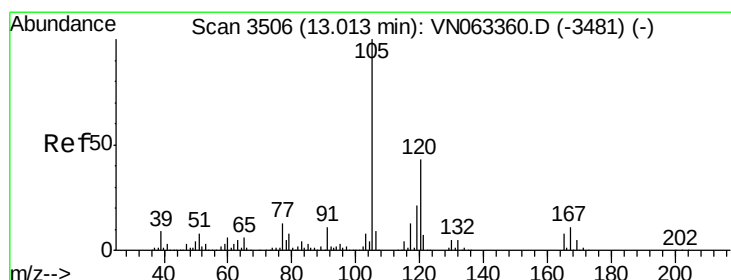
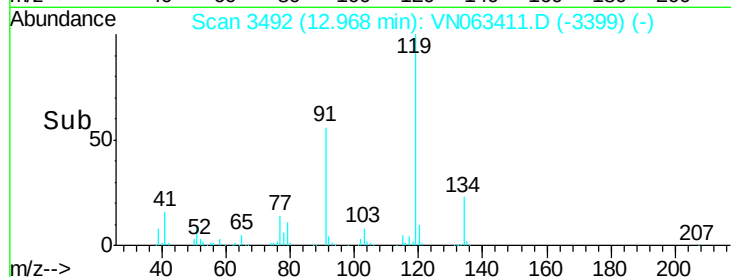
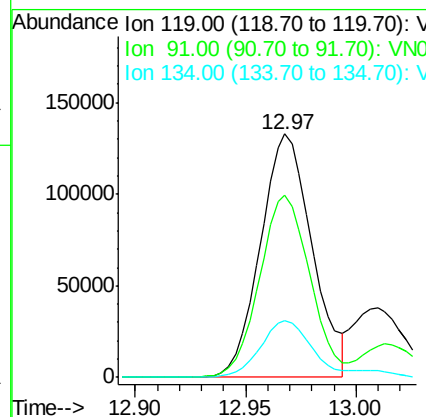
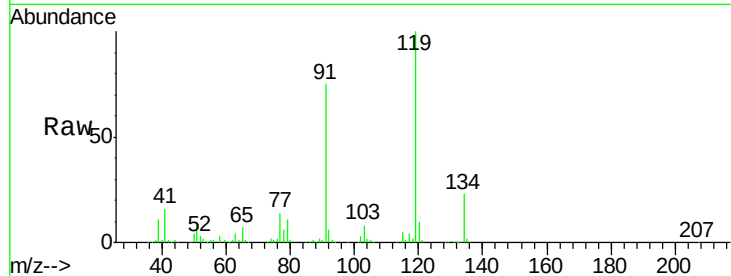
#83
 tert-Butylbenzene
 Concen: 19.597 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. -0.00 min
 Lab File: VN063411.D
 Acq: 17 Sep 2020 11:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	73.1	36.3	108.9
134	23.0	12.3	36.8

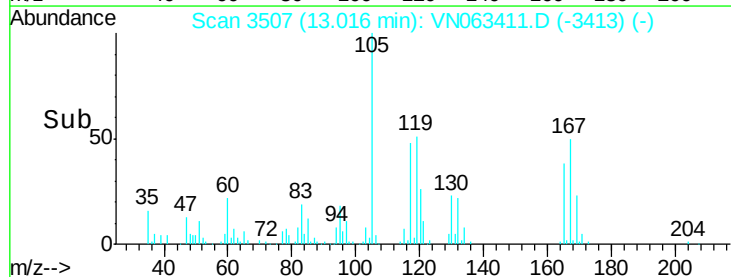
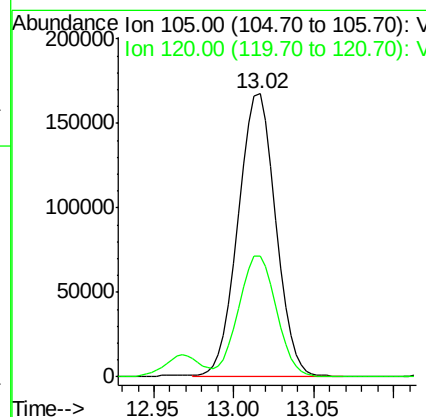
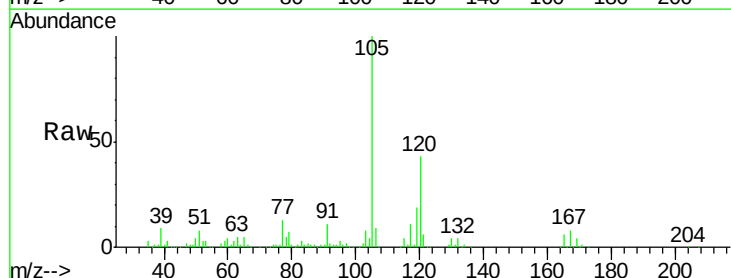
Manual Integrations
 APPROVED

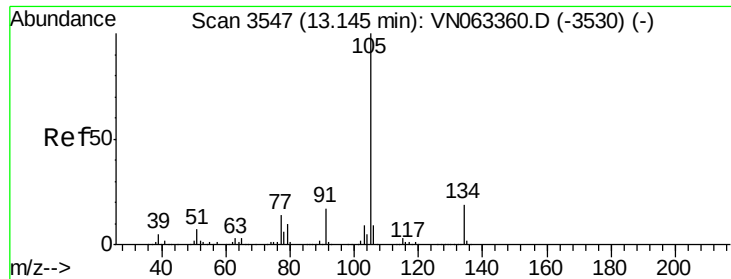
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.731 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. 0.00 min
 Lab File: VN063411.D
 Acq: 17 Sep 2020 11:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.3	21.3	63.9





#85

sec-Butylbenzene

Concen: 19.620 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN063411.D

Acq: 17 Sep 2020 11:58

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBS01

Tot Ion:105 Resp: 290287

Ion Ratio Lower Upper

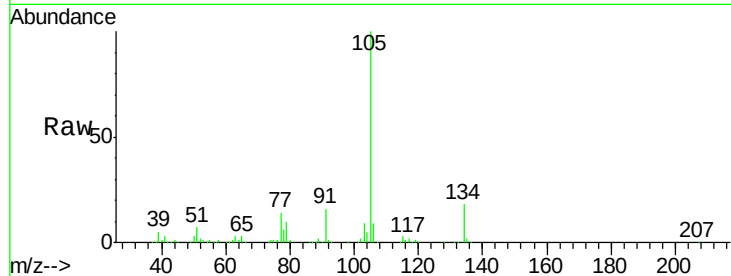
105 100

134 18.1 9.3 27.7

Manual Integrations
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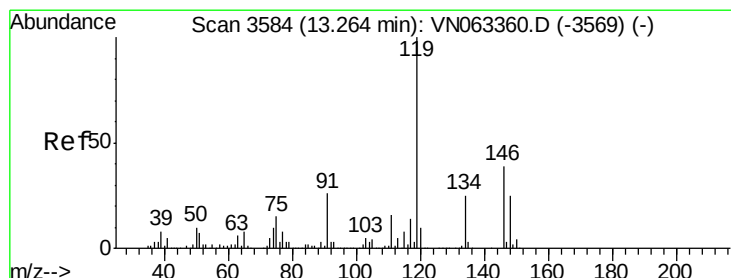
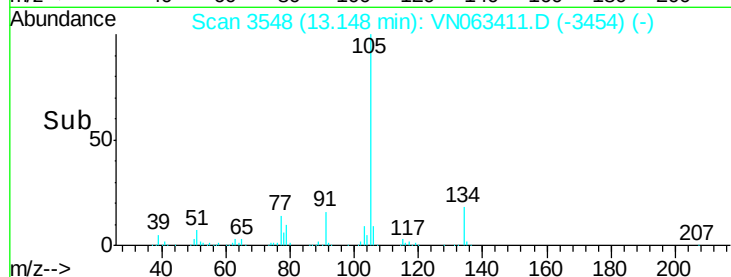
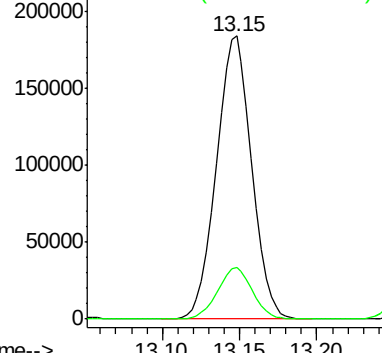
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.234 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN063411.D

Acq: 17 Sep 2020 11:58

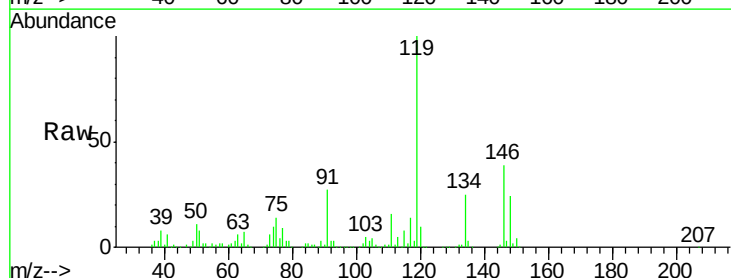
Tgt Ion:119 Resp: 264044

Ion Ratio Lower Upper

119 100

134 25.0 12.5 37.5

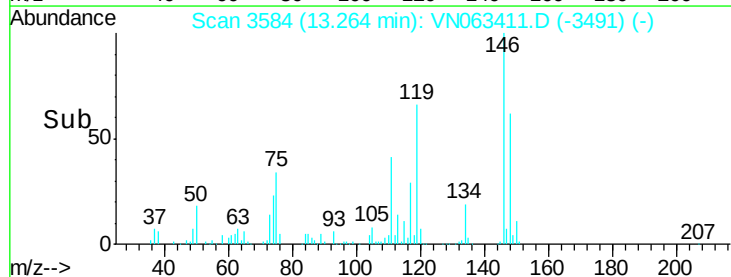
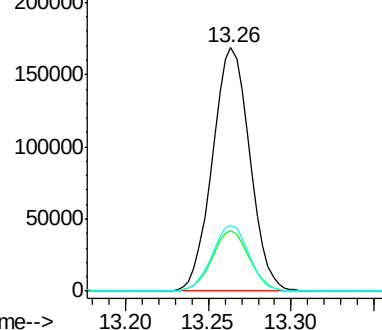
91 27.0 13.4 40.1

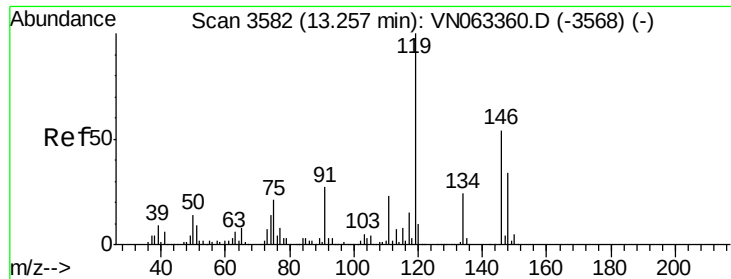


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.815 ug/l

RT: 13.26 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN063411.D

Acq: 17 Sep 2020 11:58

Instrument :

MSVOA_N

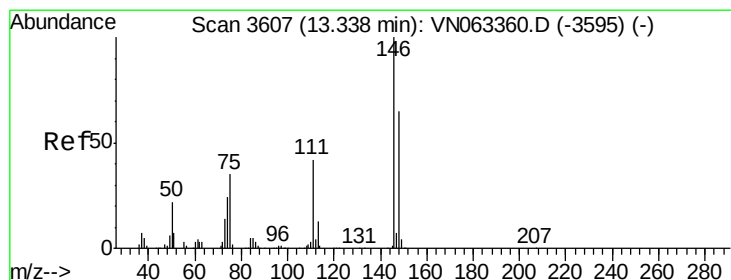
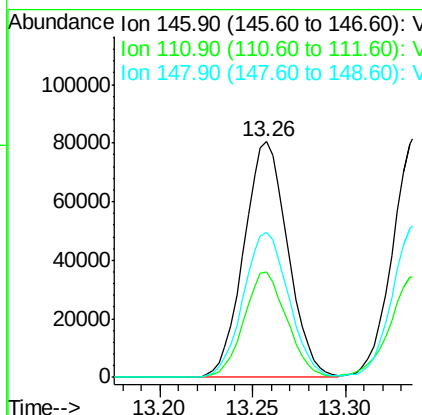
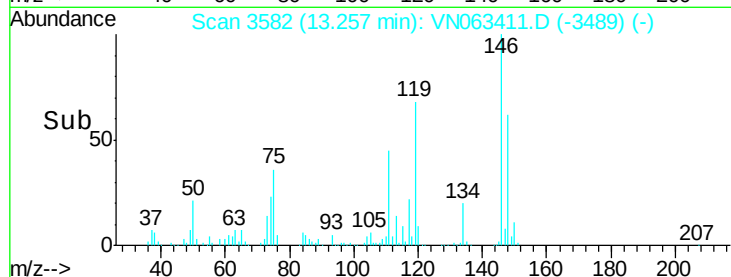
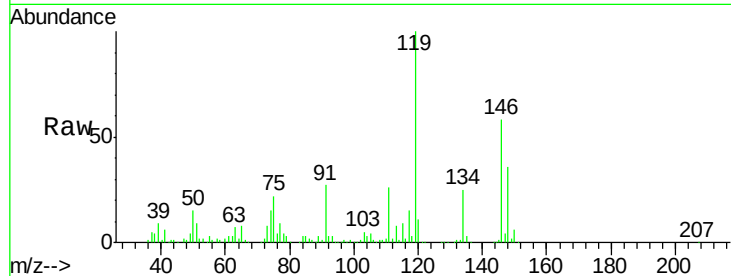
ClientSampleId :

VN0917WBS01

Tot Ion:	146	Resp:	132682
Ion Ratio	Lower	Upper	
146	100		
111	43.6	21.4	64.3
148	63.2	31.9	95.7

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.065 ug/l

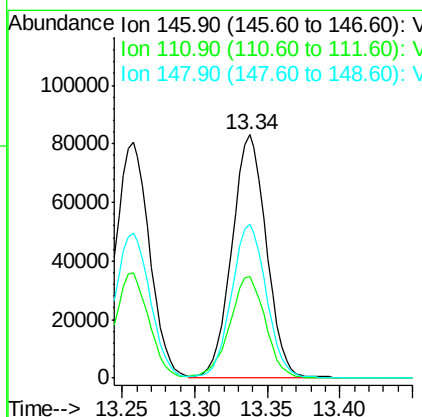
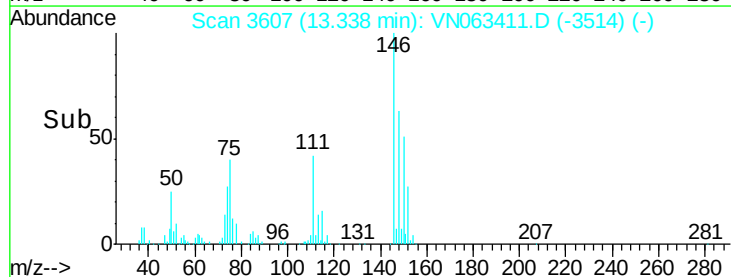
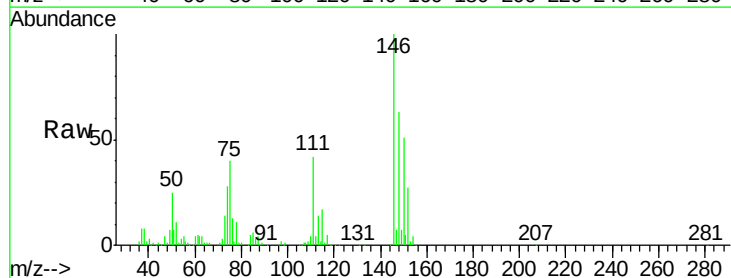
RT: 13.34 min Scan# 3607

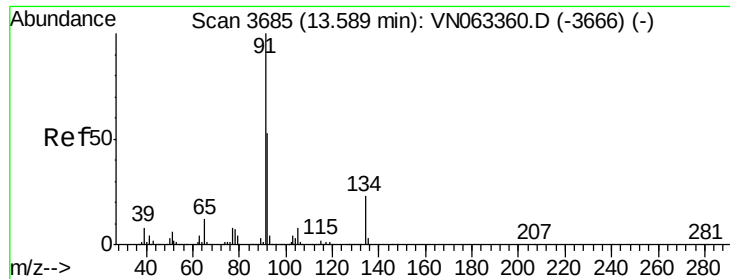
Delta R.T. -0.00 min

Lab File: VN063411.D

Acq: 17 Sep 2020 11:58

Tgt Ion:	146	Resp:	136601
Ion Ratio	Lower	Upper	
146	100		
111	43.1	21.2	63.6
148	64.5	31.9	95.9





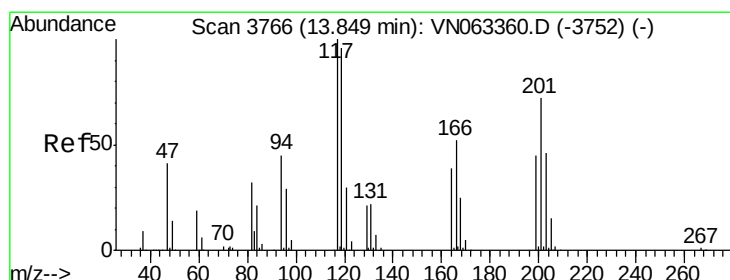
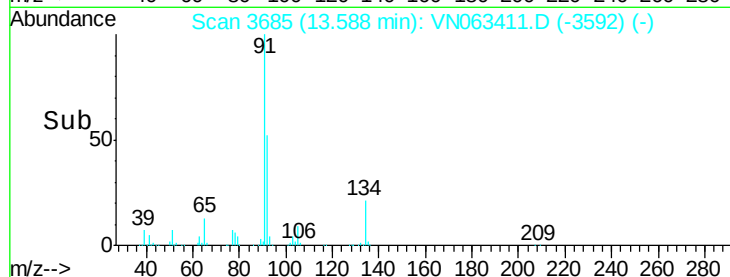
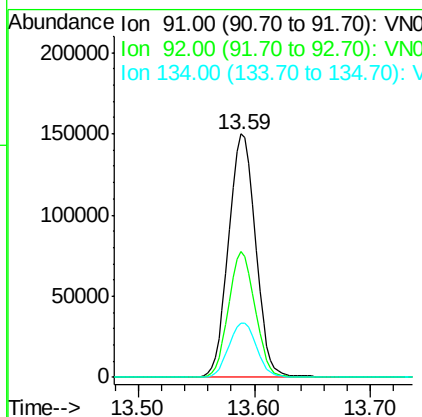
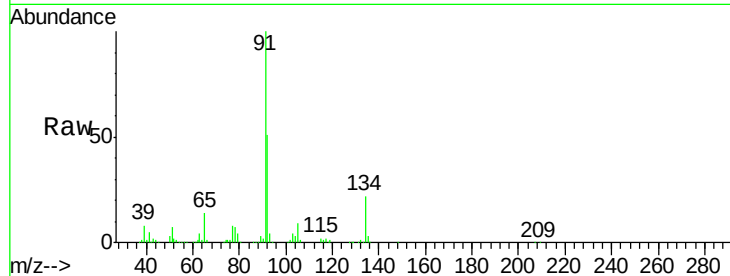
#89
n-Butylbenzene
Concen: 20.080 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN063411.D
Acq: 17 Sep 2020 11:58

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.5	26.0	78.0
134	23.2	11.7	35.0

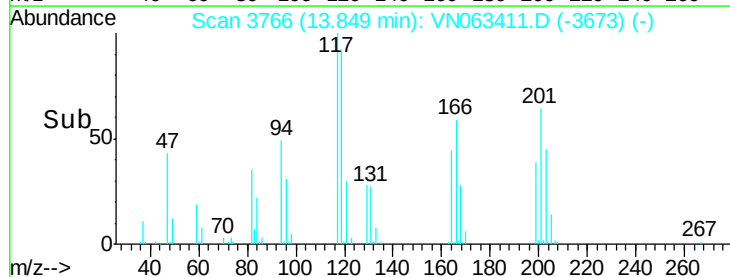
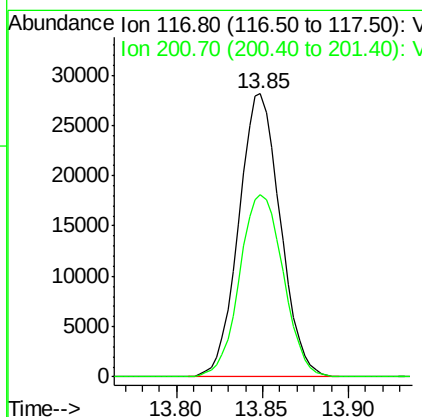
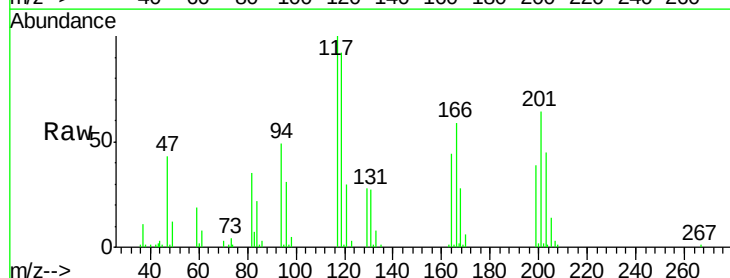
Manual Integrations
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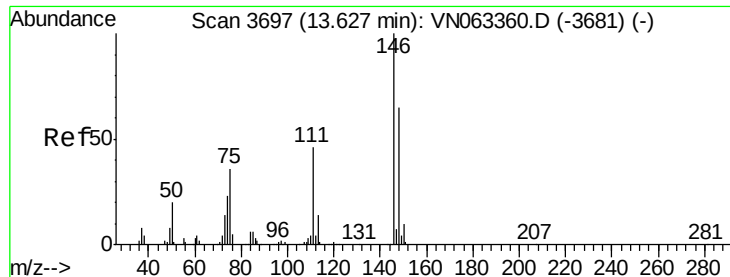
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#90
Hexachloroethane
Concen: 19.032 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN063411.D
Acq: 17 Sep 2020 11:58

Tgt Ion	Ratio	Lower	Upper
117	100		
201	67.6	35.5	106.7





#91

1,2-Dichlorobenzene

Concen: 19.941 ug/l

RT: 13.63 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN063411.D

Acq: 17 Sep 2020 11:58

Instrument :

MSVOA_N

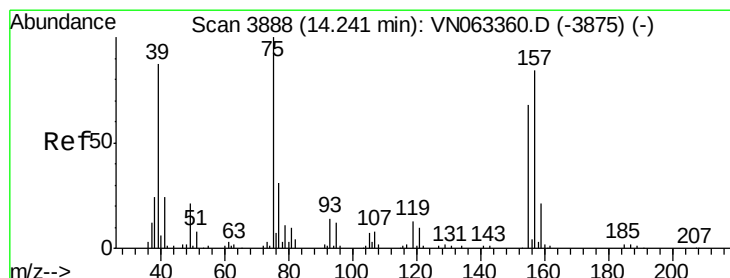
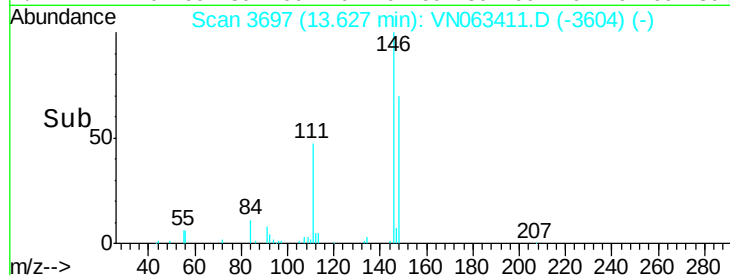
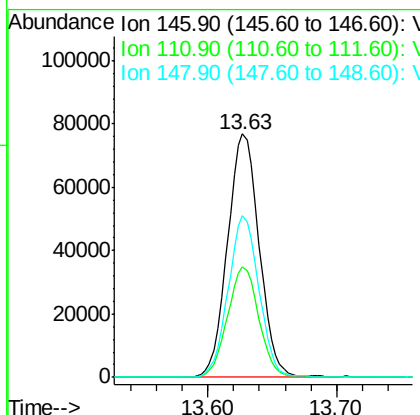
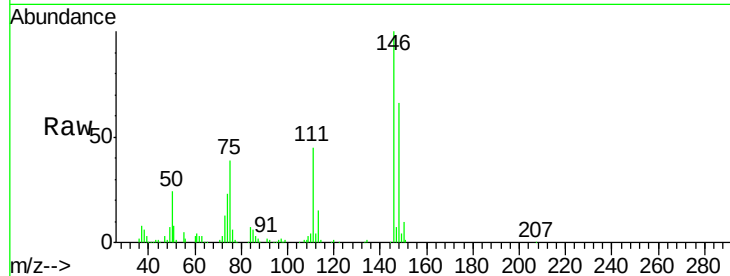
ClientSampled :

VN0917WBS01

Tot Ion:	146	Resp:	131091
Ion Ratio	Lower	Upper	
146	100		
111	45.0	22.4	67.2
148	64.5	32.0	96.0

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 18.288 ug/l

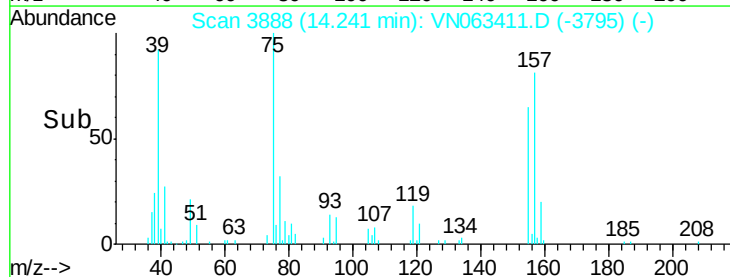
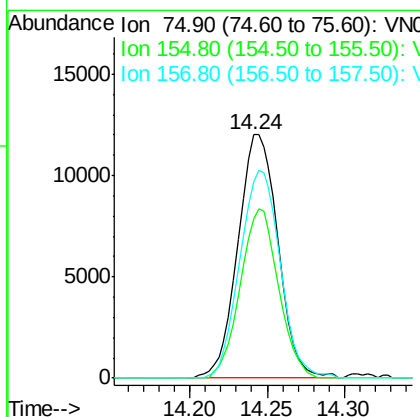
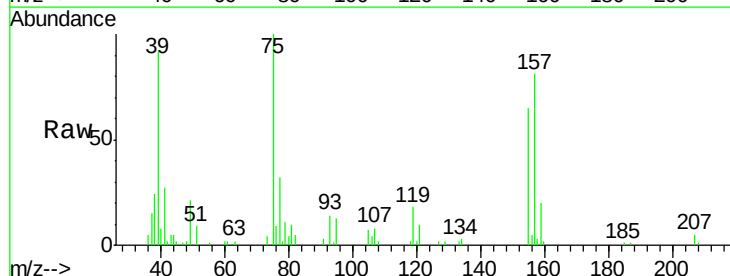
RT: 14.24 min Scan# 3888

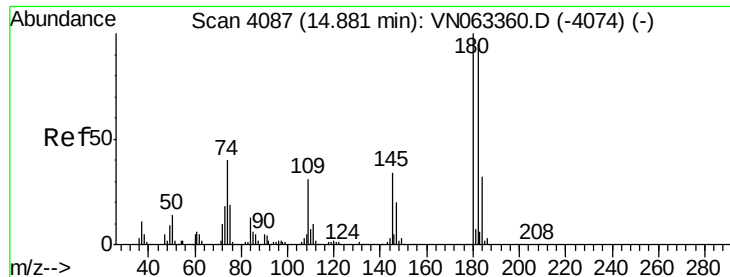
Delta R.T. -0.00 min

Lab File: VN063411.D

Acq: 17 Sep 2020 11:58

Tgt Ion:	75	Resp:	21656
Ion Ratio	Lower	Upper	
75	100		
155	66.2	34.6	103.9
157	85.8	43.7	131.1





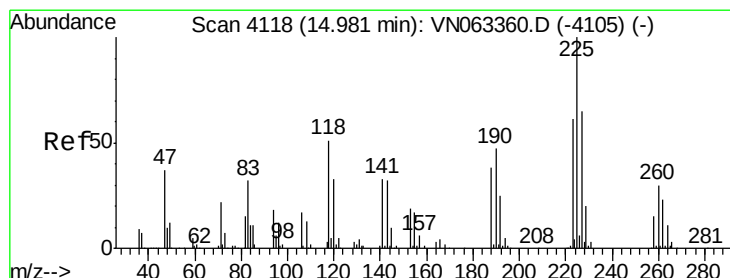
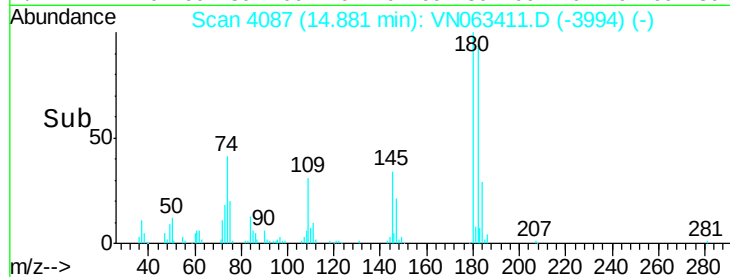
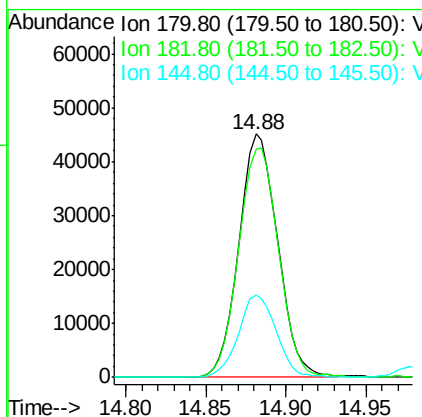
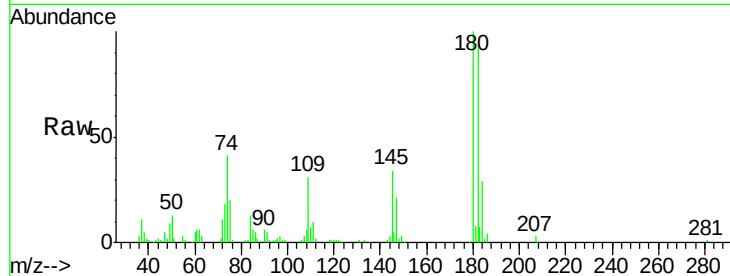
#93
 1,2,4-Trichlorobenzene
 Concen: 19.248 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN063411.D
 Acq: 17 Sep 2020 11:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.9	47.3	142.0
145	32.8	16.6	49.7

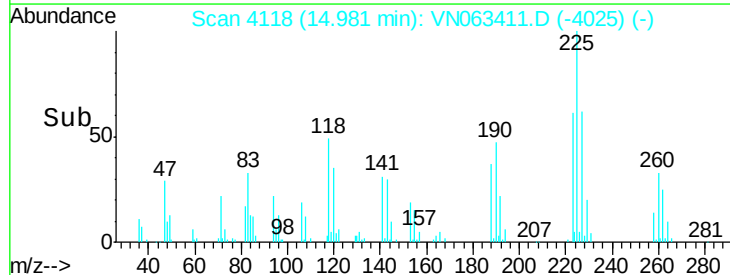
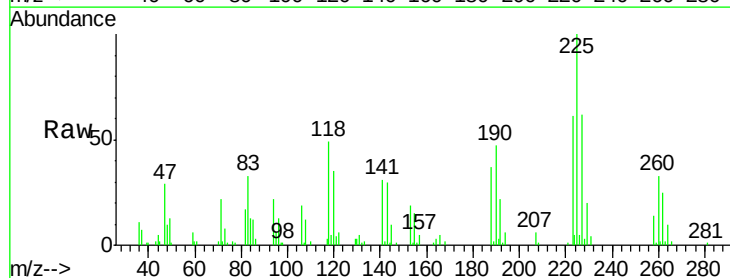
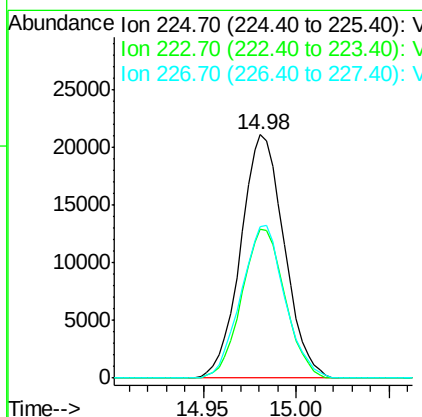
Manual Integrations
 APPROVED

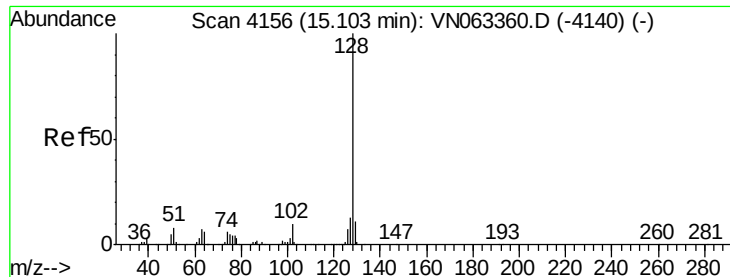
MMDadoda
 9/18/2020 2:55:54 PM



#94
 Hexachlorobutadiene
 Concen: 21.322 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN063411.D
 Acq: 17 Sep 2020 11:58

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.6	30.6	91.6
227	63.0	31.2	93.6





#95

Naphthalene

Concen: 18.731 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. -0.00 min

Lab File: VN063411.D

Acq: 17 Sep 2020 11:58

Instrument :

MSVOA_N

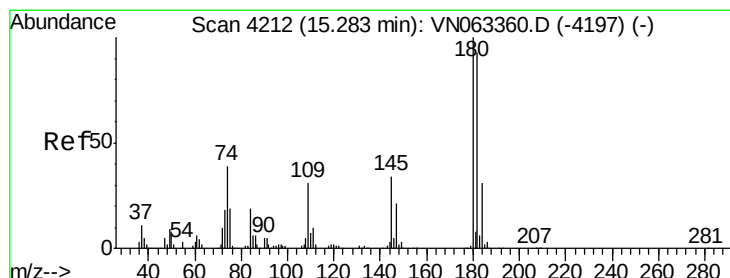
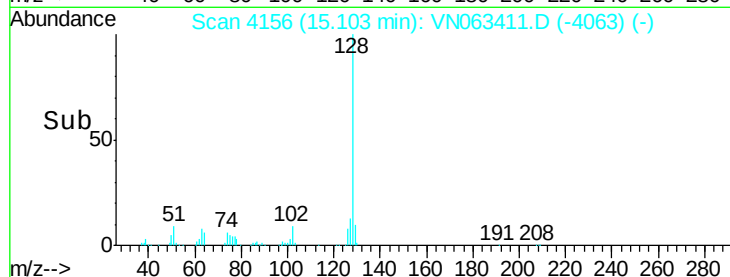
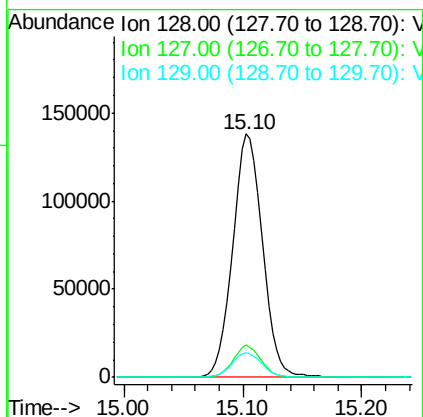
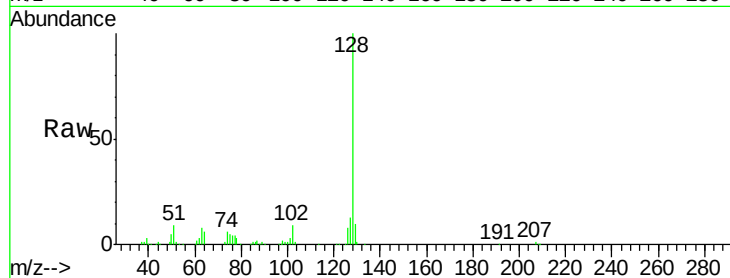
ClientSampleId :

VN0917WBS01

Tot Ion:	128	Resp:	239836
Ion Ratio	Lower	Upper	
128	100		
127	12.3	10.6	15.8
129	10.5	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
9/18/2020 2:55:54 PM



#96

1,2,3-Trichlorobenzene

Concen: 18.752 ug/l

RT: 15.29 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN063411.D

Acq: 17 Sep 2020 11:58

Tgt Ion:	180	Resp:	70221
Ion Ratio	Lower	Upper	
180	100		
182	95.8	46.7	140.1
145	34.0	16.8	50.3

