

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092520\
 Data File : VN063673.D
 Acq On : 25 Sep 2020 12:58
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/29/2020 10:40:32 AM

Quant Time: Sep 28 02:07:40 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	303008	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	502742	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	473205	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	237329	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	240491	46.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.24%	
35) Dibromofluoromethane	7.54	113	167176	48.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.06%	
50) Toluene-d8	10.06	98	632233	48.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.62%	
62) 4-Bromofluorobenzene	12.37	95	247984	51.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	156204	45.503	ug/l	96
3) Chloromethane	2.04	50	185529	40.854	ug/l	100
4) Vinyl Chloride	2.16	62	186093	46.252	ug/l	97
5) Bromomethane	2.53	94	125455	52.516	ug/l	97
6) Chloroethane	2.67	64	114274	46.269	ug/l	98
7) Trichlorofluoromethane	2.99	101	303054	50.484	ug/l	100
8) Diethyl Ether	3.37	74	107607	45.984	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	168323	49.860	ug/l	99
10) Methyl Iodide	3.91	142	204711	46.576	ug/l	98
11) Tert butyl alcohol	4.72	59	136146	190.530	ug/l	100
12) 1,1-Dichloroethene	3.69	96	154996	45.328	ug/l	94
13) Acrolein	3.57	56	20834	78.676	ug/l	99
14) Allyl chloride	4.27	41	302043	44.656	ug/l	97
15) Acrylonitrile	4.92	53	405802	223.260	ug/l	99
16) Acetone	3.77	43	384659	232.045	ug/l	99
17) Carbon Disulfide	4.01	76	425531	42.783	ug/l	99
18) Methyl Acetate	4.27	43	199292	47.357	ug/l	99
19) Methyl tert-butyl Ether	4.98	73	580325	45.536	ug/l	100
20) Methylene Chloride	4.50	84	186085	44.306	ug/l	97
21) trans-1,2-Dichloroethene	4.98	96	175300	46.272	ug/l	96
22) Diisopropyl ether	5.89	45	631863	45.806	ug/l	98
23) Vinyl Acetate	5.84	43	2643205	233.316	ug/l	100
24) 1,1-Dichloroethane	5.79	63	352508	46.807	ug/l	99
25) 2-Butanone	6.78	43	573912	225.108	ug/l	100
26) 2,2-Dichloropropane	6.77	77	318266	47.999	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	202922	47.323	ug/l	97
28) Bromochloromethane	7.14	49	158904	45.697	ug/l	98
29) Tetrahydrofuran	7.16	42	370232	212.624	ug/l	100
30) Chloroform	7.32	83	375097	49.643	ug/l	97
31) Cyclohexane	7.61	56	292980	41.127	ug/l	98
32) 1,1,1-Trichloroethane	7.52	97	328250	48.844	ug/l	99
36) 1,1-Dichloropropene	7.75	75	269177	50.257	ug/l	100
37) Ethyl Acetate	6.87	43	245780	46.756	ug/l	98
38) Carbon Tetrachloride	7.73	117	284747	52.081	ug/l	96

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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	276768	47.612	ug/l	98
40) Benzene	8.00	78	761547	49.809	ug/l	97
41) Methacrylonitrile	7.12	41	100677	42.583	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	323198	52.564	ug/l	98
43) Isopropyl Acetate	8.12	43	441113	46.929	ug/l #	89
44) Trichloroethene	8.80	130	194077	52.335	ug/l	97
45) 1,2-Dichloropropane	9.08	63	206842	49.672	ug/l	99
46) Dibromomethane	9.17	93	140409	51.301	ug/l	100
47) Bromodichloromethane	9.37	83	299860	52.737	ug/l	100
48) Methyl methacrylate	9.16	41	223207	48.334	ug/l	99
49) 1,4-Dioxane	9.16	88	57441	866.751	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	1281272	243.487	ug/l	99
52) Toluene	10.12	92	484654	52.723	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	330626	52.086	ug/l	99
54) cis-1,3-Dichloropropene	9.80	75	344877	51.509	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	190406	52.147	ug/l	95
56) Ethyl methacrylate	10.40	69	286291	50.225	ug/l	98
57) 1,3-Dichloropropane	10.68	76	333661	50.674	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	559180	187.006	ug/l	98
59) 2-Hexanone	10.72	43	952653	249.890	ug/l	100
60) Dibromochloromethane	10.87	129	219458	53.202	ug/l	100
61) 1,2-Dibromoethane	10.97	107	199923	52.702	ug/l	99
64) Tetrachloroethene	10.60	164	177638	55.130	ug/l	98
65) Chlorobenzene	11.40	112	512386	51.010	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	195669	53.141	ug/l	99
67) Ethyl Benzene	11.48	91	968096	51.178	ug/l	98
68) m/p-Xylenes	11.59	106	715196	104.863	ug/l	99
69) o-Xylene	11.92	106	339622	52.273	ug/l	99
70) Styrene	11.94	104	596615	54.758	ug/l	99
71) Bromoform	12.10	173	146014	53.231	ug/l #	99
73) Isopropylbenzene	12.22	105	935311	49.180	ug/l	100
74) N-amyl acetate	12.04	43	414654	46.059	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	272077	46.204	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	260383m	44.326	ug/l	
77) Bromobenzene	12.50	156	220212	51.475	ug/l	95
78) n-propylbenzene	12.57	91	1108334	50.036	ug/l	100
79) 2-Chlorotoluene	12.65	91	663391	49.960	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	803634	50.675	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	95618	44.627	ug/l	96
82) 4-Chlorotoluene	12.75	91	714228	50.909	ug/l	99
83) tert-Butylbenzene	12.97	119	644800	49.263	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	812372	50.714	ug/l	99
85) sec-Butylbenzene	13.14	105	872365	49.792	ug/l	100
86) p-Isopropyltoluene	13.26	119	782827	50.658	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	405220	51.105	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	411911	51.096	ug/l	100
89) n-Butylbenzene	13.59	91	729757	51.233	ug/l	98
90) Hexachloroethane	13.85	117	139557	47.428	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	394714	50.704	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	59864	42.692	ug/l	97

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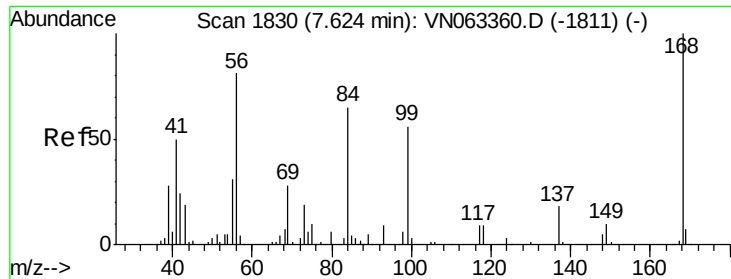
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	224604	48.940	ug/l	99
94) Hexachlorobutadiene	14.98	225	106906	56.268	ug/l	96
95) Naphthalene	15.10	128	682670	45.024	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	209816	47.316	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN063673.D

Acq: 25 Sep 2020 12:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 303008

Ion Ratio Lower Upper

168 100

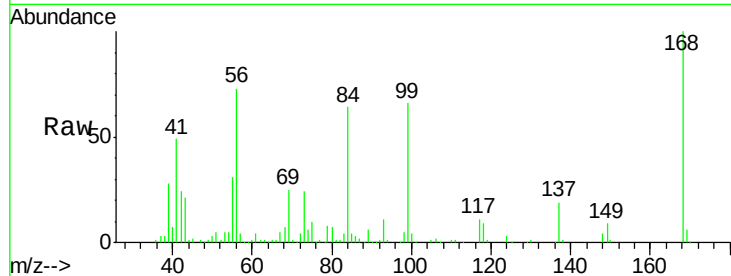
99 65.5 53.0 79.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

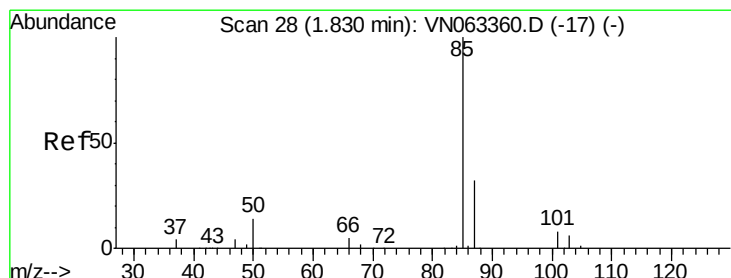
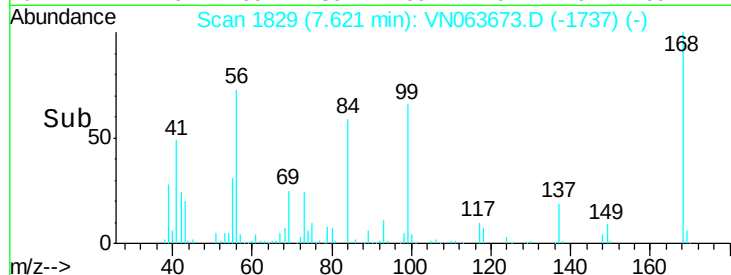
7.62

100000

50000

0

Time--> 7.50 7.55 7.60 7.65 7.70



#2

Dichlorodifluoromethane

Concen: 45.503 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN063673.D

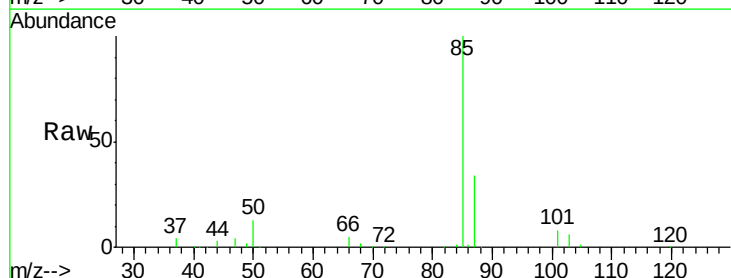
Acq: 25 Sep 2020 12:58

Tgt Ion: 85 Resp: 156204

Ion Ratio Lower Upper

85 100

87 34.0 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

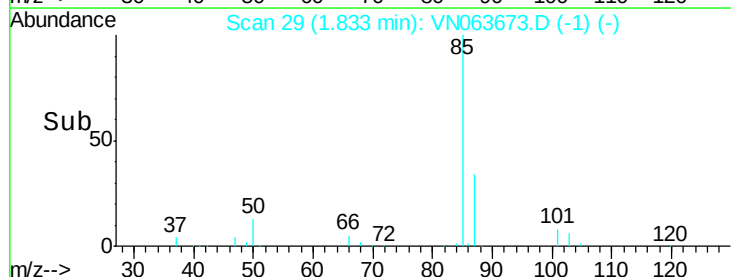
1.83

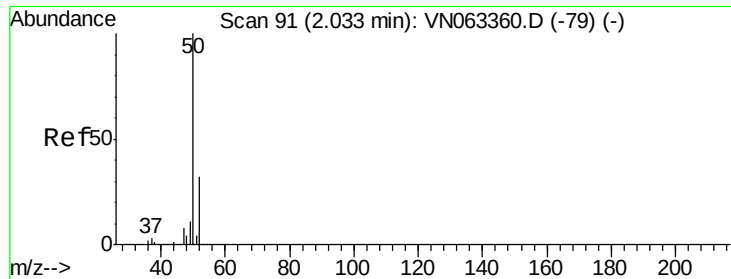
100000

50000

0

Time--> 1.75 1.80 1.85 1.90





#3

Chloromethane

Concen: 40.854 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.01 min

Lab File: VN063673.D

Acq: 25 Sep 2020 12:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 185529

Ion Ratio Lower Upper

50 100

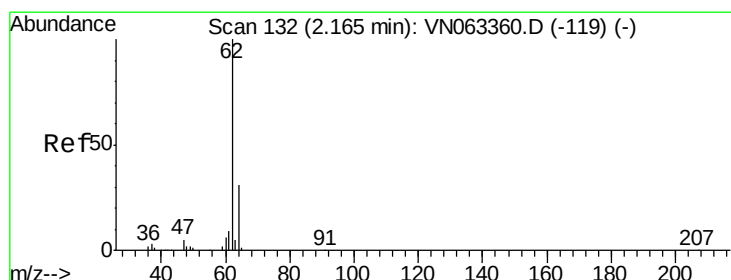
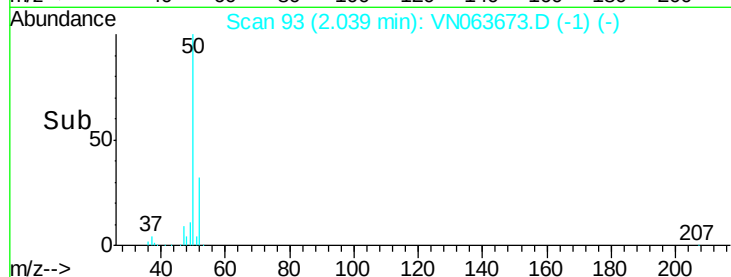
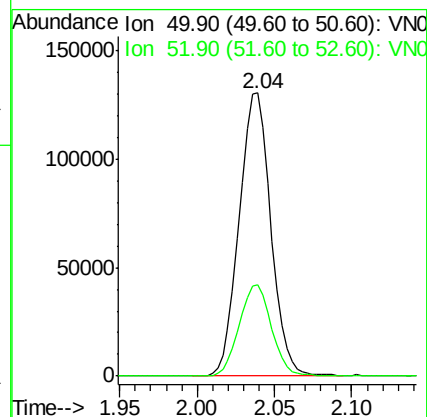
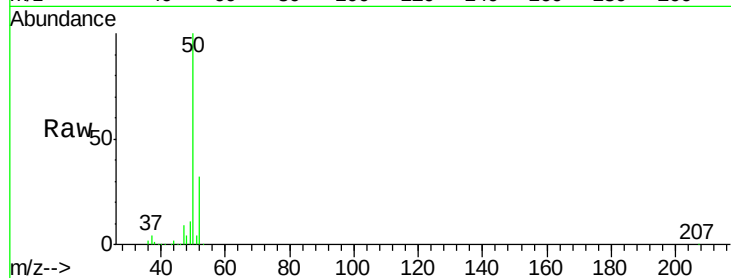
52 32.3 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 46.252 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN063673.D

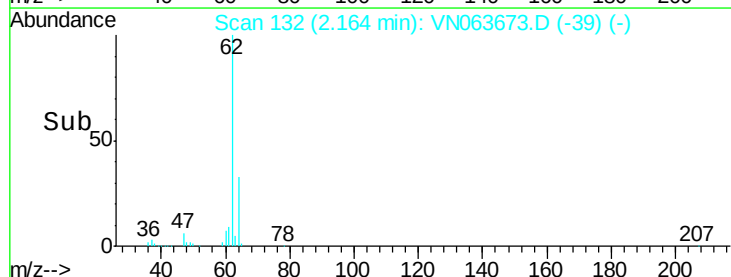
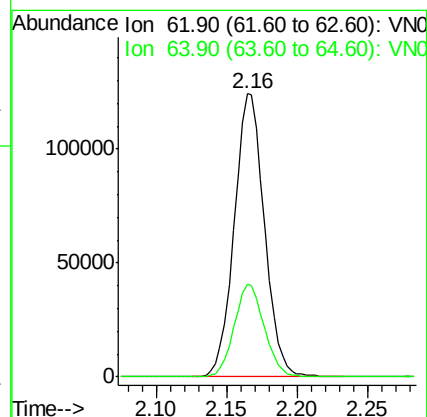
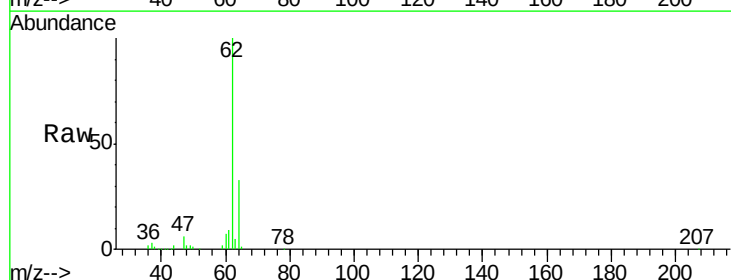
Acq: 25 Sep 2020 12:58

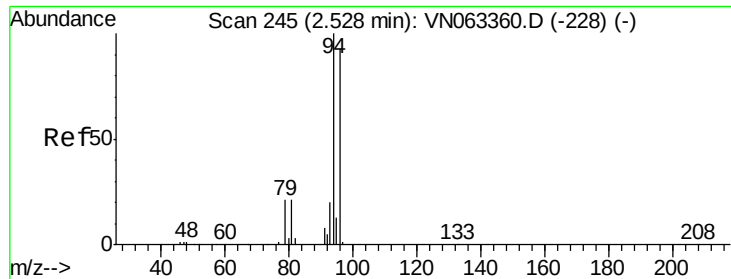
Tgt Ion: 62 Resp: 186093

Ion Ratio Lower Upper

62 100

64 32.9 25.1 37.7





#5

Bromomethane

Concen: 52.516 ug/l

RT: 2.53 min Scan# 247

Delta R.T. 0.01 min

Lab File: VN063673.D

Acq: 25 Sep 2020 12:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 125455

Ion Ratio Lower Upper

94 100

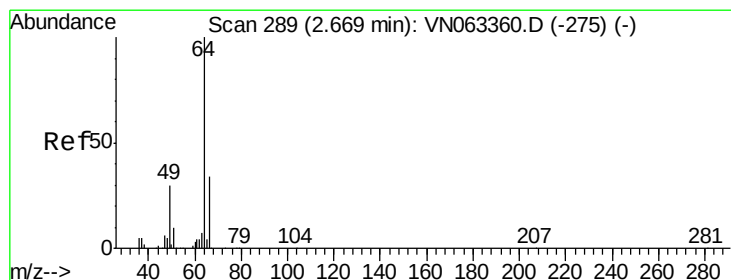
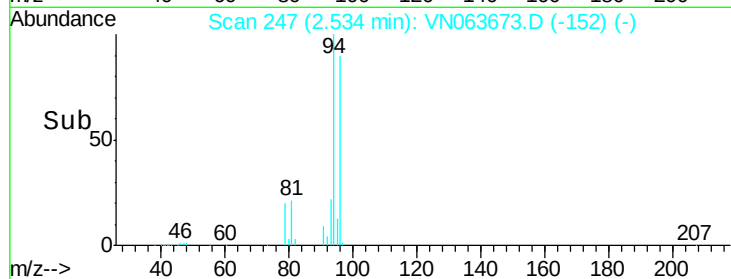
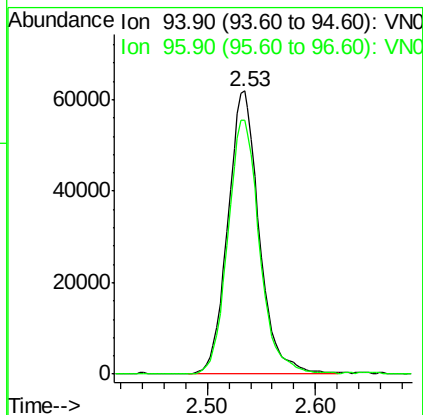
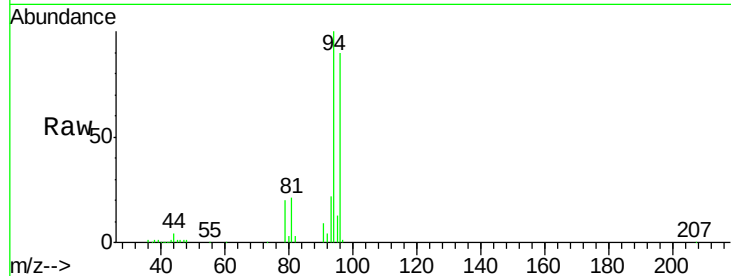
96 89.8 74.5 111.7

Manual Integrations

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#6

Chloroethane

Concen: 46.269 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN063673.D

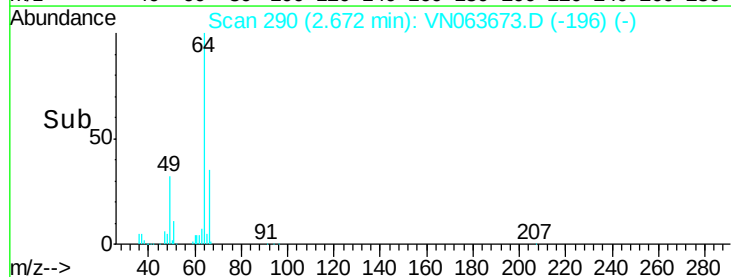
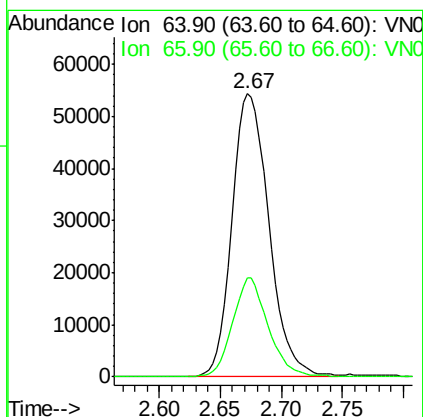
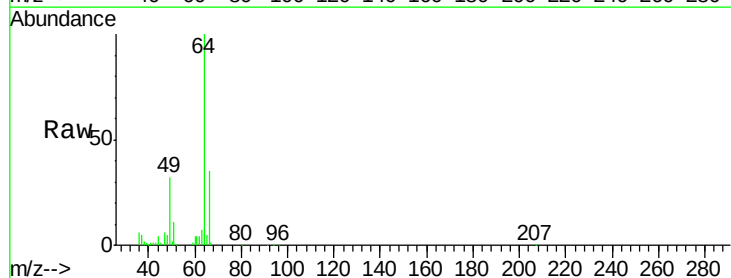
Acq: 25 Sep 2020 12:58

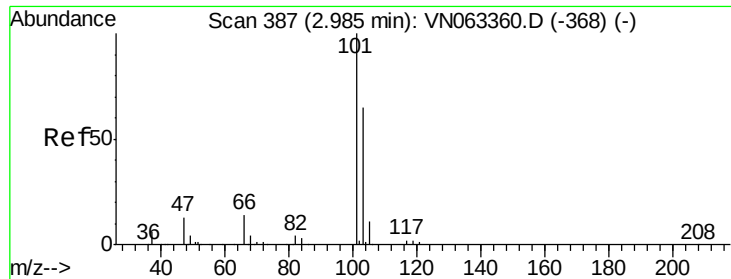
Tgt Ion: 64 Resp: 114274

Ion Ratio Lower Upper

64 100

66 34.9 26.9 40.3





#7

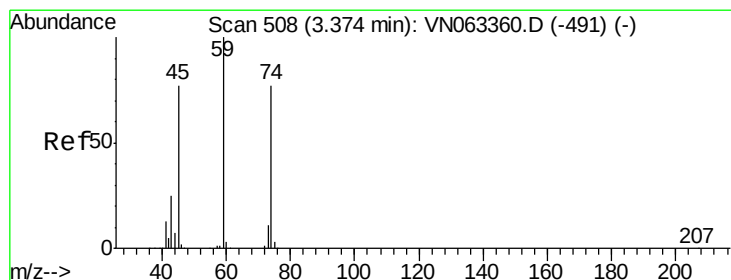
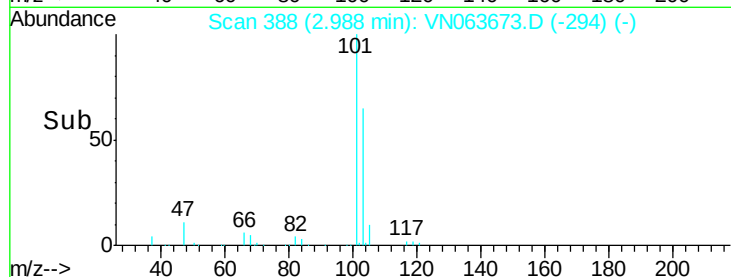
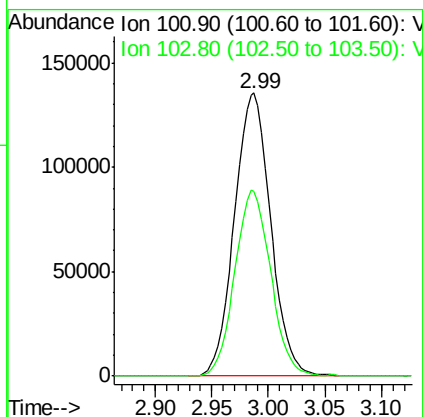
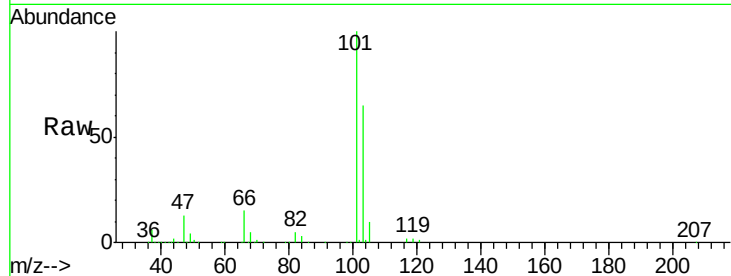
Trichlorofluoromethane
 Concen: 50.484 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN063673.D
 Acq: 25 Sep 2020 12:58

Instrument :
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 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	52.3	78.5

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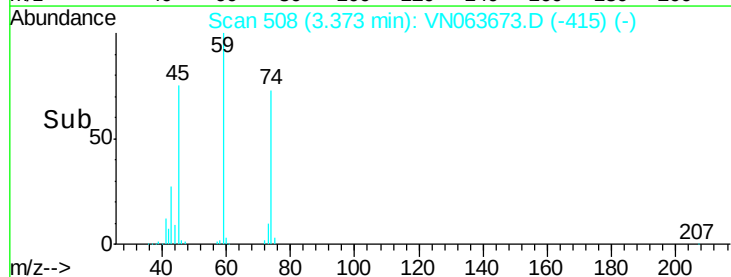
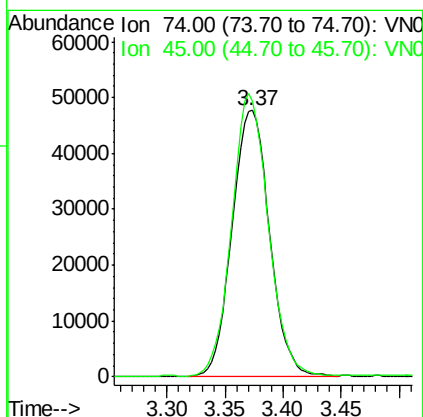
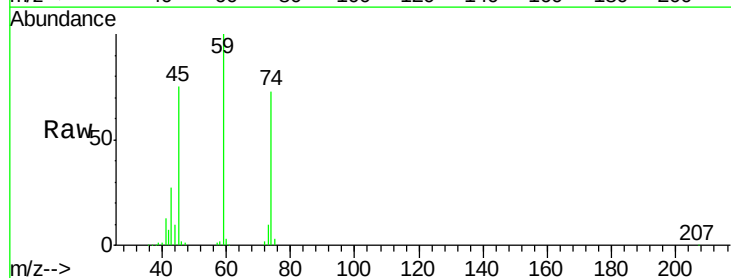
MMDadoda
 9/29/2020 10:40:32 AM

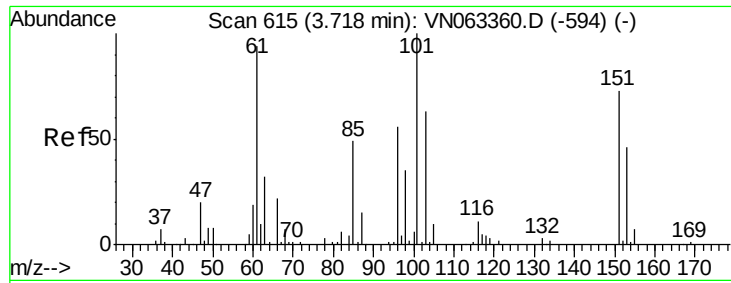


#8

Diethyl Ether
 Concen: 45.984 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN063673.D
 Acq: 25 Sep 2020 12:58

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.8	52.1	156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.860 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN063673.D

Acq: 25 Sep 2020 12:58

Instrument :

MSVOA_N

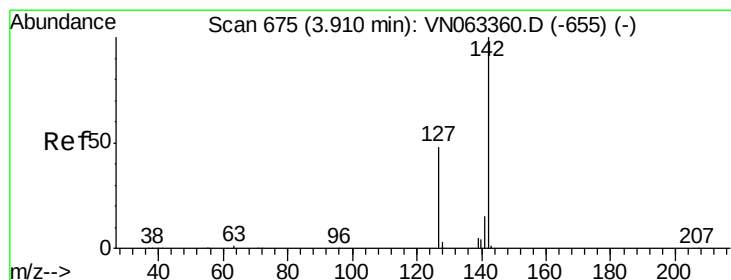
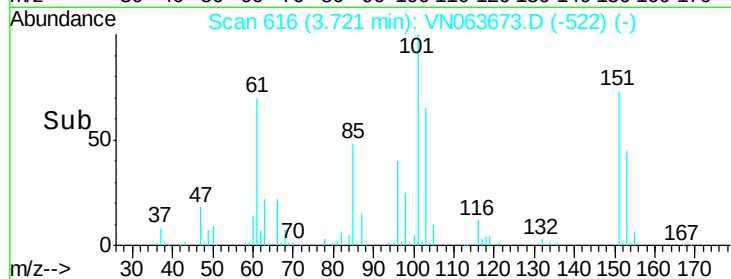
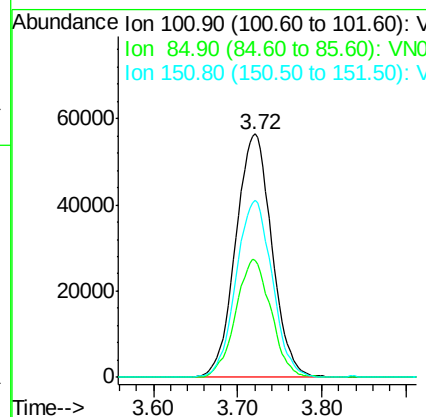
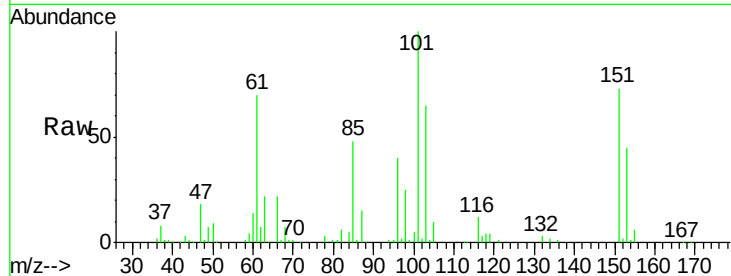
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	168323
Ion Ratio	Lower	Upper	
101	100		
85	47.4	37.7	56.5
151	72.7	57.7	86.5

Manual Integrations
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9/29/2020 10:40:32 AM



#10

Methyl Iodide

Concen: 46.576 ug/l

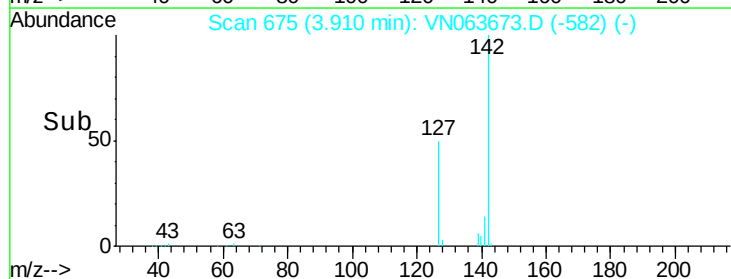
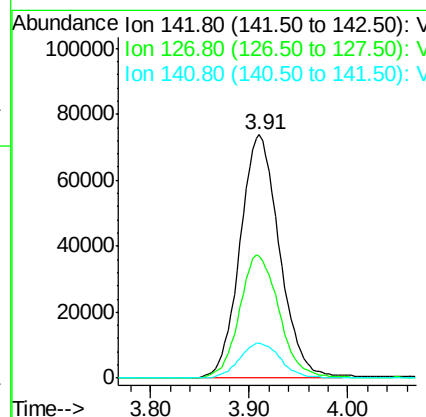
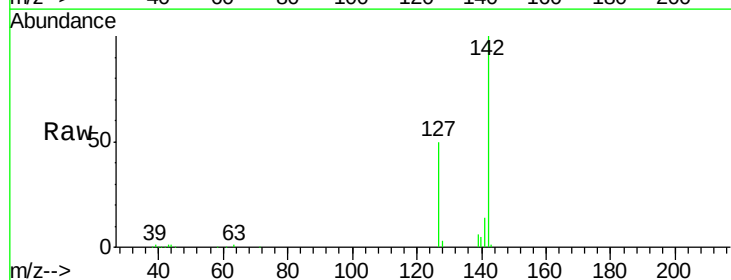
RT: 3.91 min Scan# 675

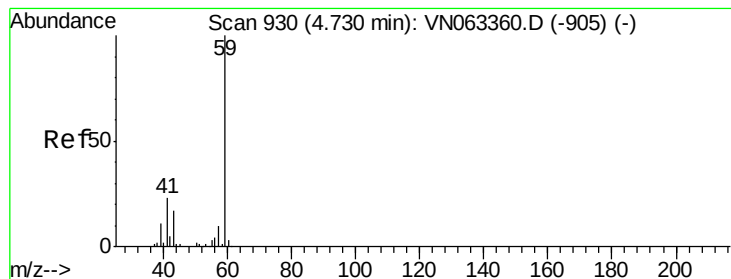
Delta R.T. -0.00 min

Lab File: VN063673.D

Acq: 25 Sep 2020 12:58

Tgt Ion:	142	Resp:	204711
Ion Ratio	Lower	Upper	
142	100		
127	50.7	39.0	58.6
141	14.9	11.6	17.4





#11

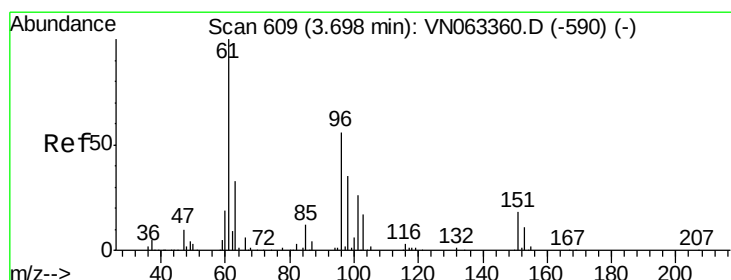
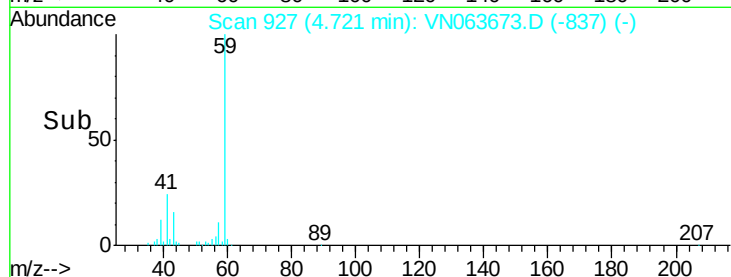
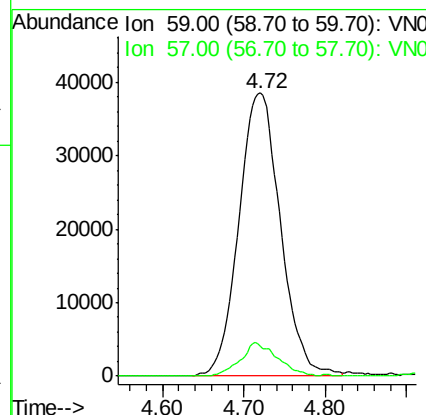
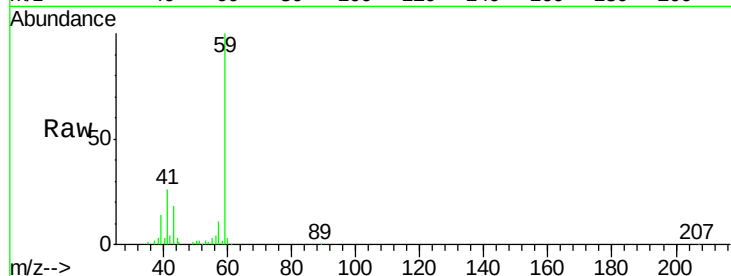
Tert butyl alcohol
Concen: 190.530 ug/l
RT: 4.72 min Scan# 927
Delta R.T. -0.01 min
Lab File: VN063673.D
Acq: 25 Sep 2020 12:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	136146
Ion Ratio	100	Lower	Upper
57	10.6	8.4	12.6

Manual Integrations
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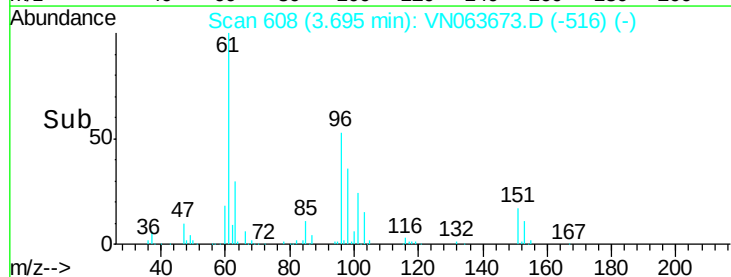
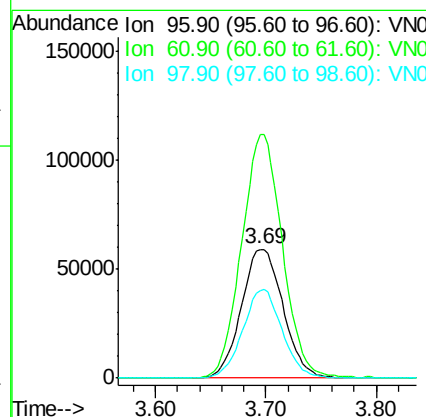
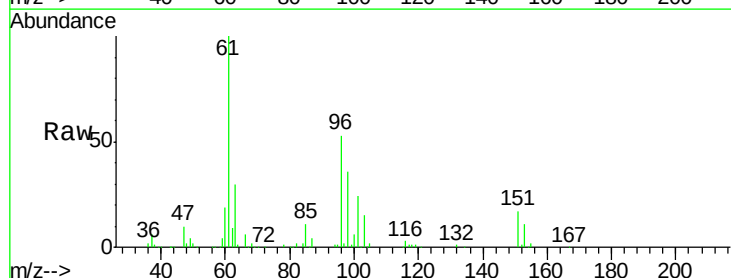
MMDadoda
9/29/2020 10:40:32 AM

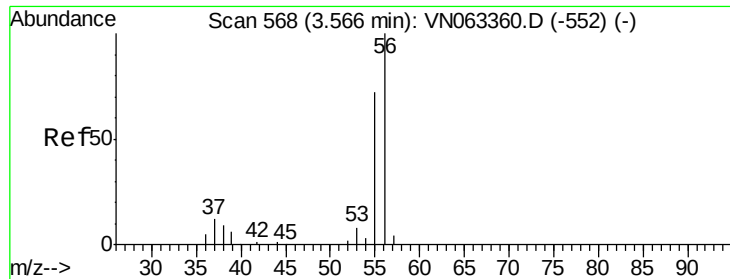


#12

1,1-Dichloroethene
Concen: 45.328 ug/l
RT: 3.69 min Scan# 608
Delta R.T. -0.00 min
Lab File: VN063673.D
Acq: 25 Sep 2020 12:58

Tgt Ion	96	Resp	154996
Ion Ratio	100	Lower	Upper
61	188.4	143.4	215.2
98	67.8	50.6	76.0





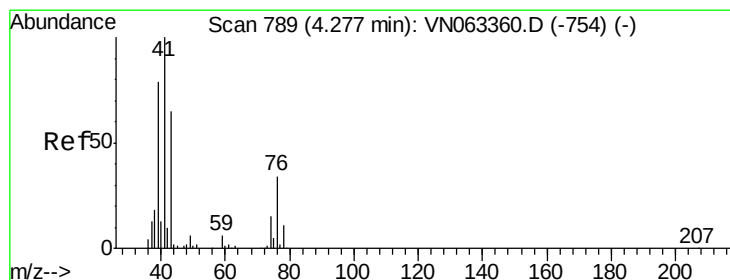
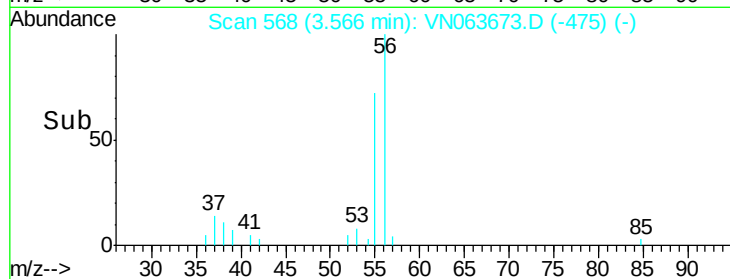
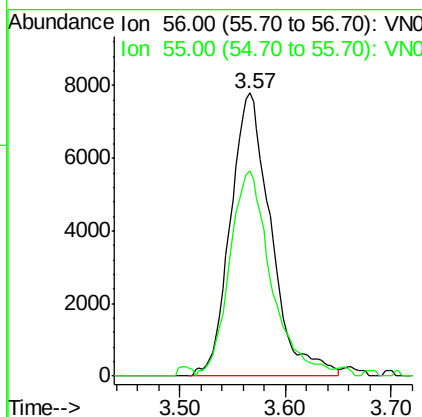
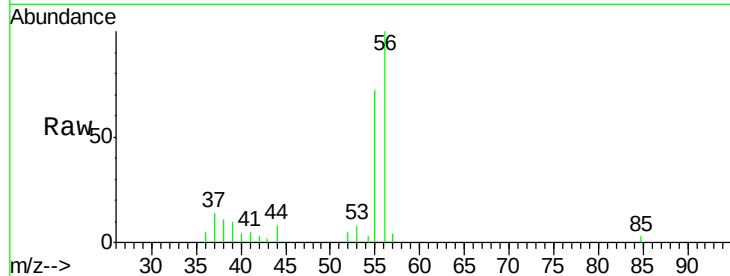
#13
Acrolein
Concen: 78.676 ug/l
RT: 3.57 min Scan# 568
Delta R.T. 0.00 min
Lab File: VN063673.D
Acq: 25 Sep 2020 12:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	20834
Ion Ratio	Lower	Upper	
56	100		
55	73.9	58.2	87.2

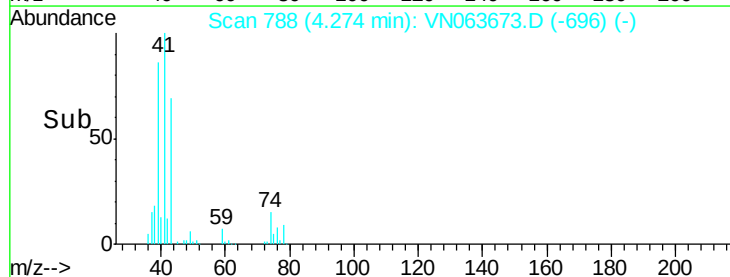
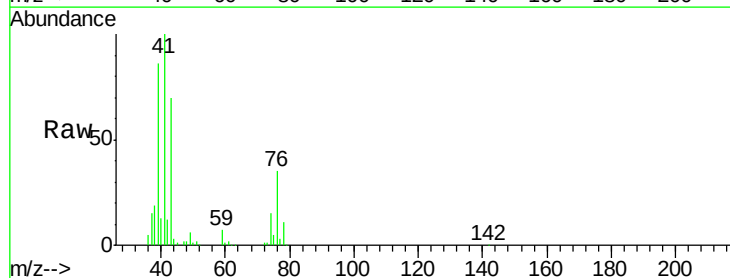
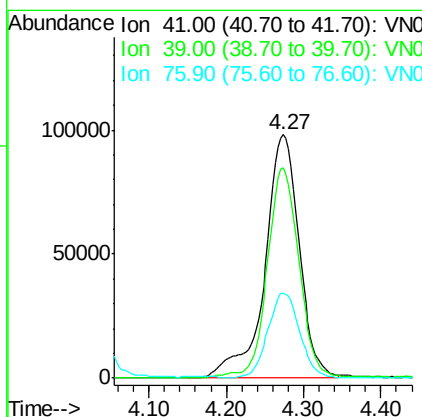
Manual Integrations
APPROVED

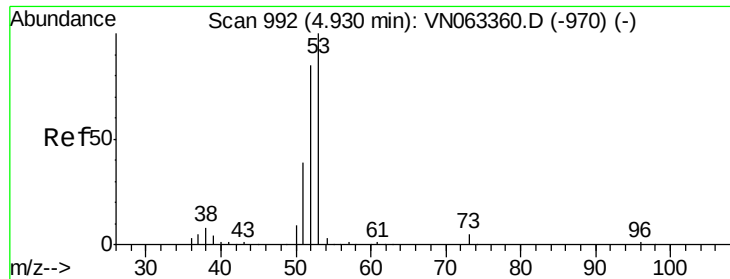
MMDadoda
9/29/2020 10:40:32 AM



#14
Allyl chloride
Concen: 44.656 ug/l
RT: 4.27 min Scan# 788
Delta R.T. -0.00 min
Lab File: VN063673.D
Acq: 25 Sep 2020 12:58

Tgt Ion	41	Resp	302043
Ion Ratio	Lower	Upper	
41	100		
39	77.2	59.3	88.9
76	31.8	25.3	37.9





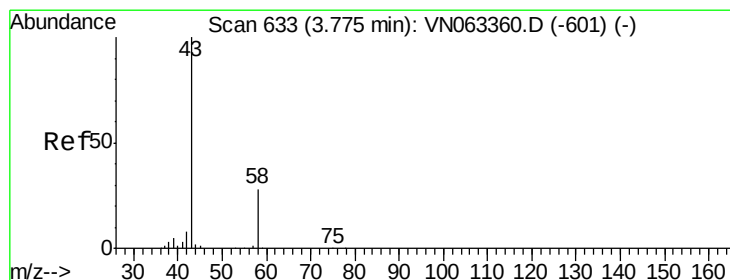
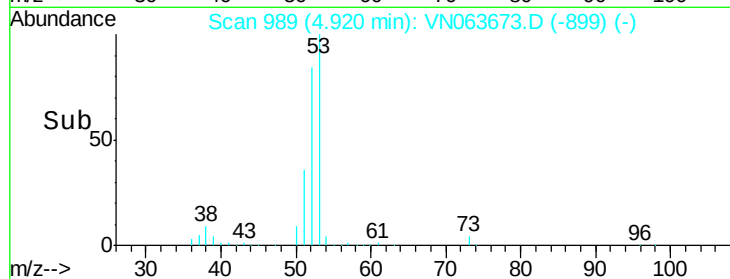
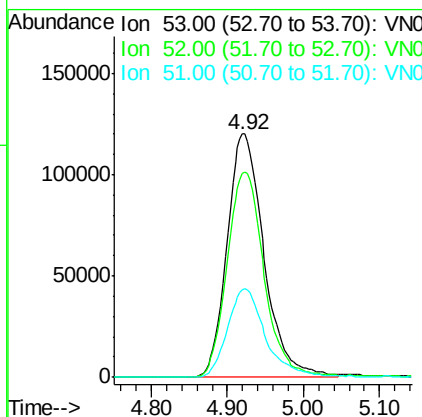
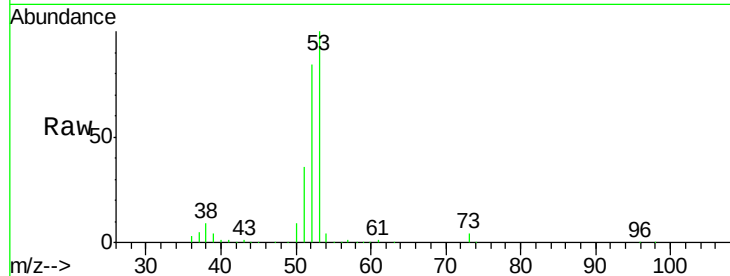
#15
 Acrylonitrile
 Concen: 223.260 ug/l
 RT: 4.92 min Scan# 989
 Delta R.T. -0.01 min
 Lab File: VN063673.D
 Acq: 25 Sep 2020 12:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	53	Resp:	405802
Ion	Ratio	Lower	Upper
53	100		
52	84.3	66.4	99.6
51	37.4	30.2	45.4

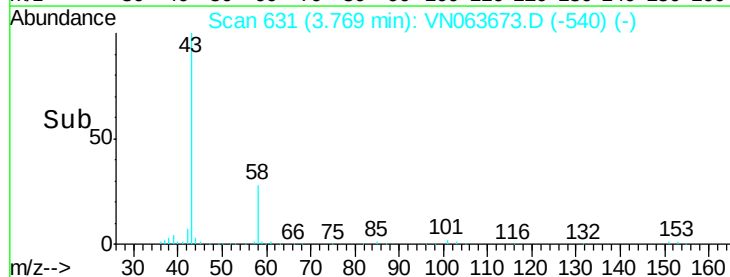
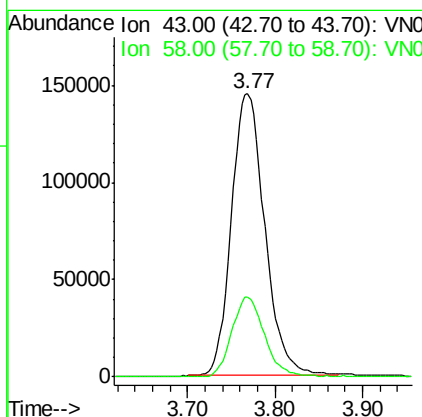
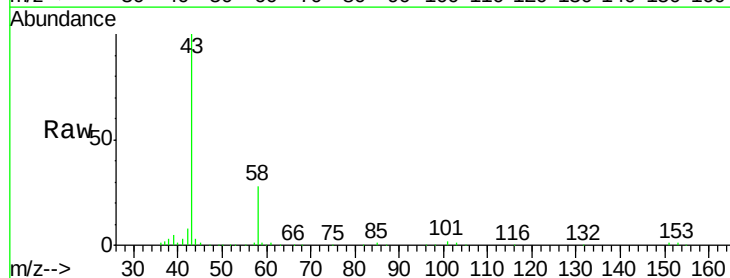
Manual Integrations
 APPROVED

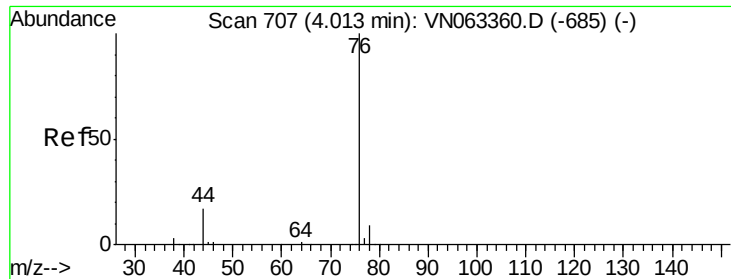
MMDadoda
 9/29/2020 10:40:32 AM



#16
 Acetone
 Concen: 232.045 ug/l
 RT: 3.77 min Scan# 631
 Delta R.T. -0.01 min
 Lab File: VN063673.D
 Acq: 25 Sep 2020 12:58

Tgt Ion:	43	Resp:	384659
Ion	Ratio	Lower	Upper
43	100		
58	28.2	22.3	33.5





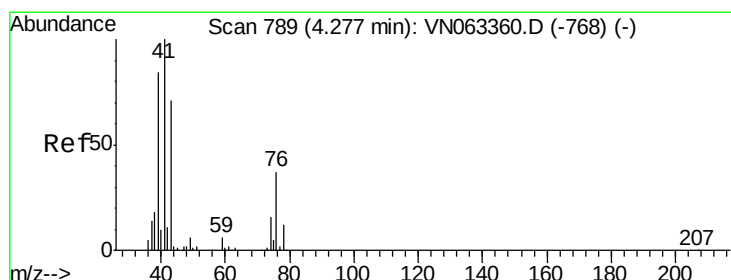
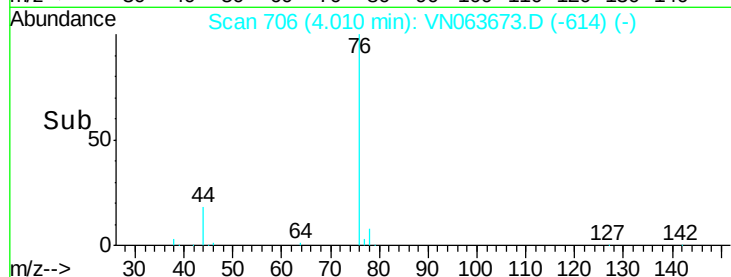
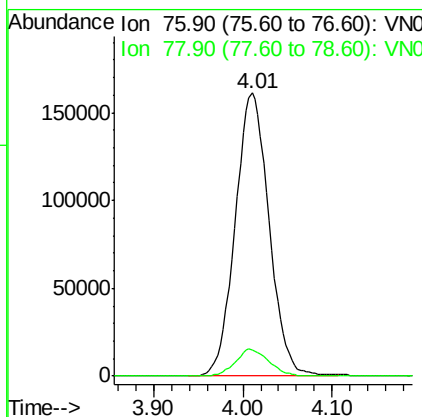
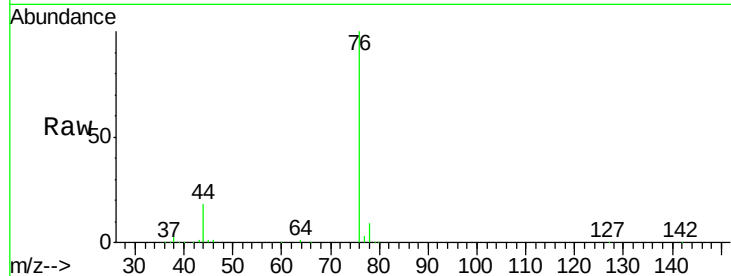
#17
Carbon Disulfide
Concen: 42.783 ug/l
RT: 4.01 min Scan# 706
Delta R.T. -0.00 min
Lab File: VN063673.D
Acq: 25 Sep 2020 12:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.2	10.8

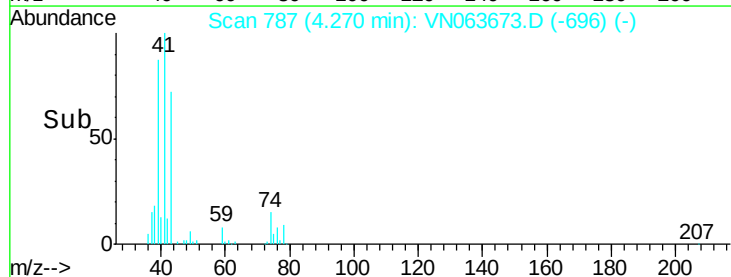
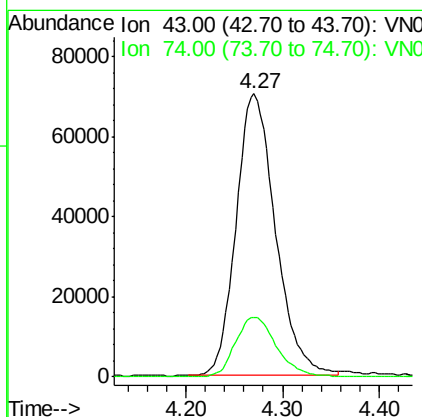
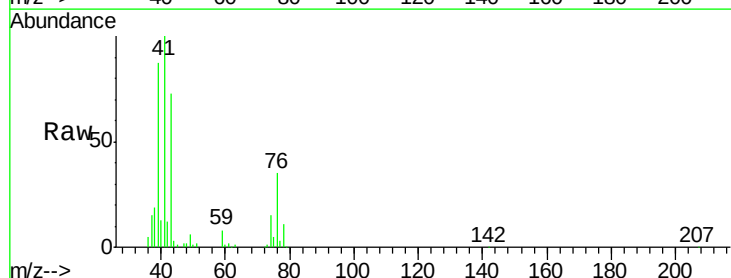
Manual Integrations
APPROVED

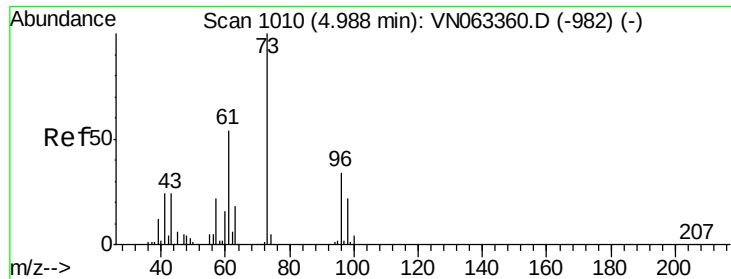
MMDadoda
9/29/2020 10:40:32 AM



#18
Methyl Acetate
Concen: 47.357 ug/l
RT: 4.27 min Scan# 787
Delta R.T. -0.01 min
Lab File: VN063673.D
Acq: 25 Sep 2020 12:58

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.1	17.4	26.2





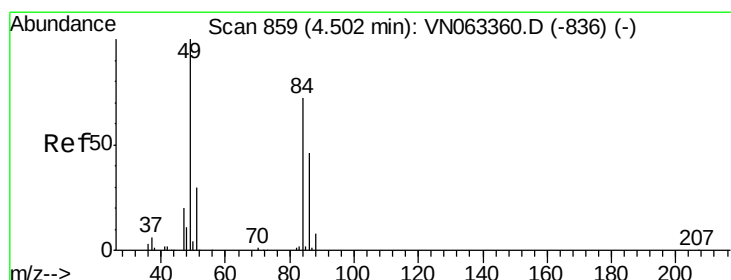
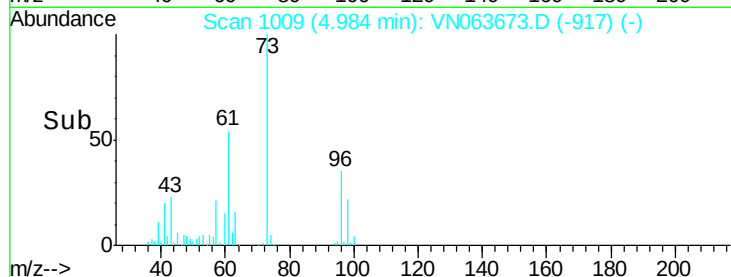
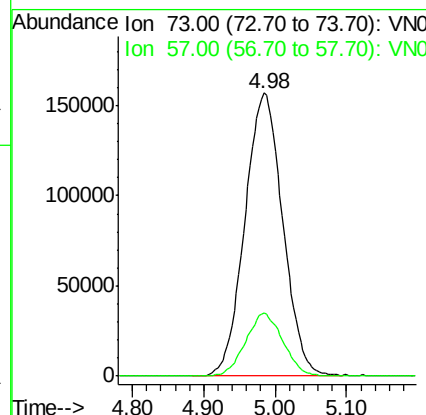
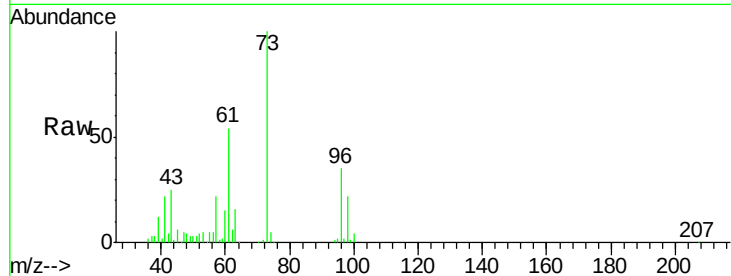
#19
Methvl tert-butvl Ether
Concen: 45.536 ug/l
RT: 4.98 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN063673.D
Acq: 25 Sep 2020 12:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 580325
Ion Ratio Lower Upper
73 100
57 22.2 17.9 26.9

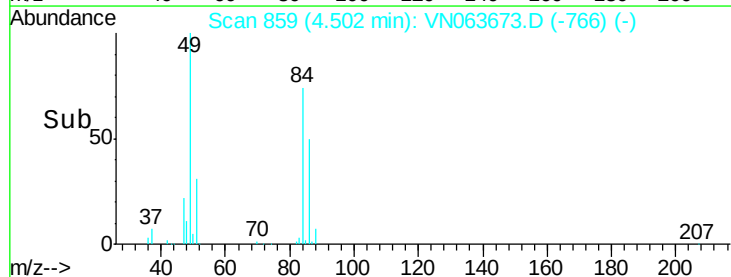
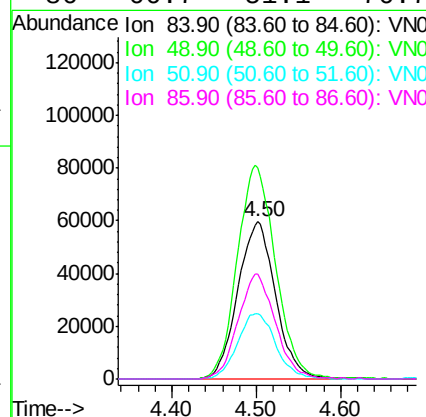
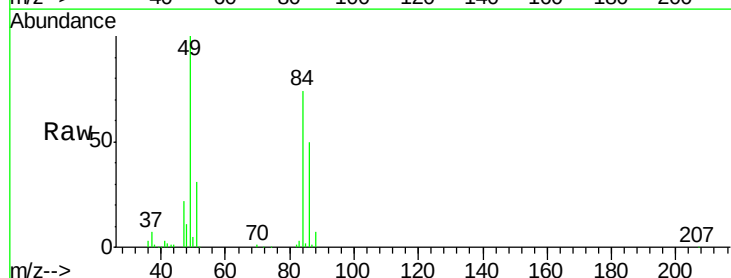
Manual Integrations
APPROVED

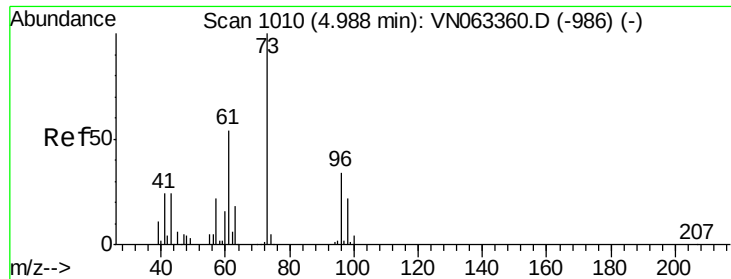
MMDadoda
9/29/2020 10:40:32 AM



#20
Methylene Chloride
Concen: 44.306 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN063673.D
Acq: 25 Sep 2020 12:58

Tgt Ion: 84 Resp: 186085
Ion Ratio Lower Upper
84 100
49 134.3 110.7 166.1
51 41.4 32.9 49.3
86 66.7 51.1 76.7





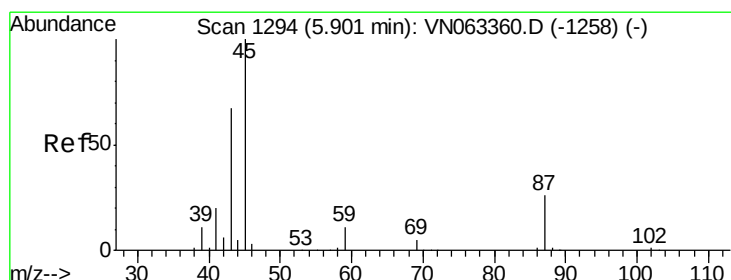
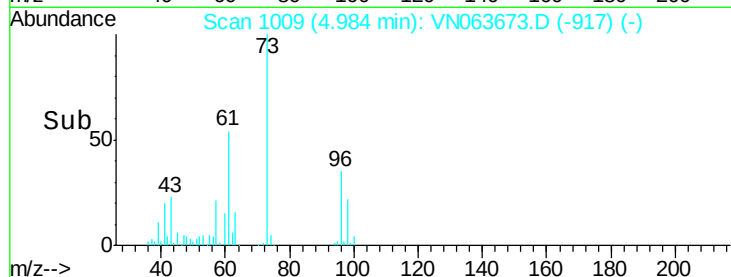
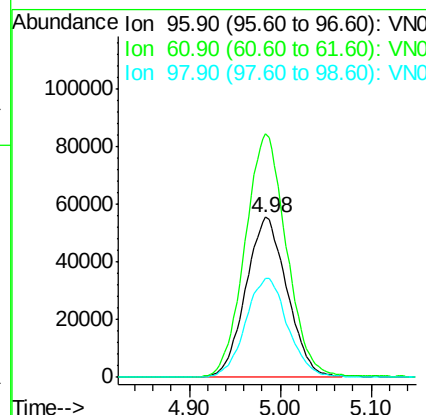
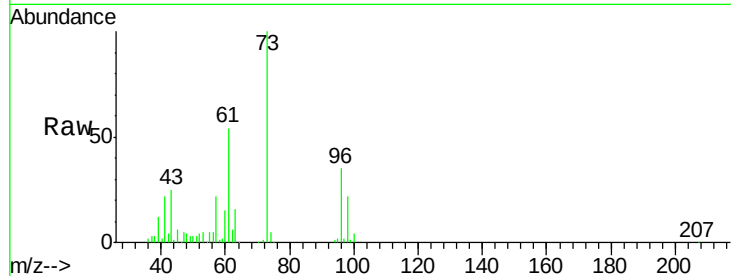
#21
trans-1,2-Dichloroethene
Concen: 46.272 ug/l
RT: 4.98 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN063673.D
Acq: 25 Sep 2020 12:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.2	126.2	189.4
98	61.6	51.0	76.4

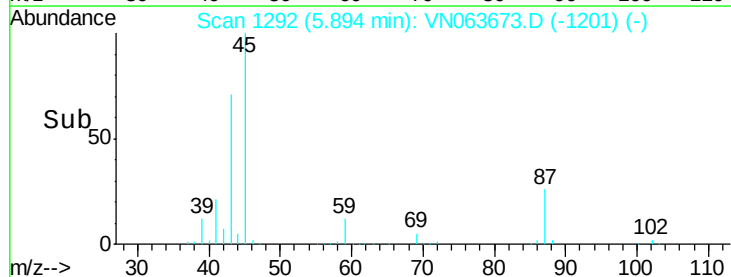
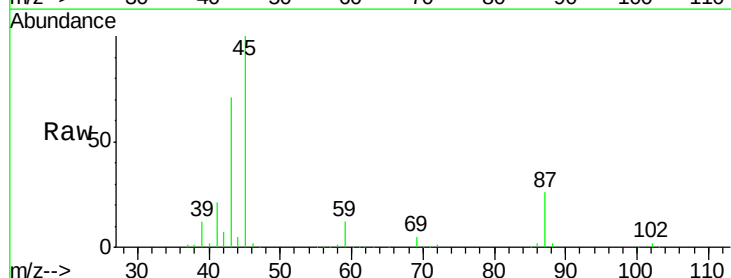
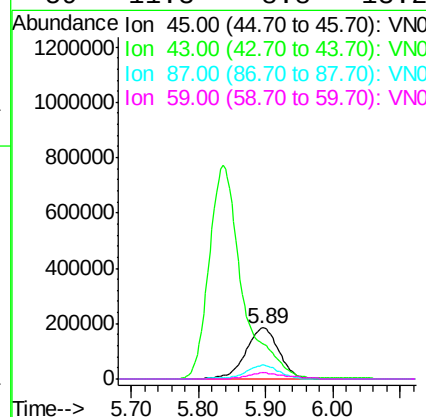
Manual Integrations
APPROVED

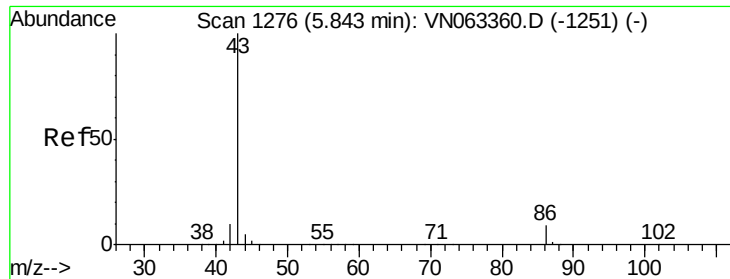
MMDadoda
9/29/2020 10:40:32 AM



#22
Diisopropyl ether
Concen: 45.806 ug/l
RT: 5.89 min Scan# 1292
Delta R.T. -0.01 min
Lab File: VN063673.D
Acq: 25 Sep 2020 12:58

Tgt Ion	Ratio	Lower	Upper
45	100		
43	69.4	53.5	80.3
87	26.4	21.2	31.8
59	11.3	8.8	13.2





#23

Vinyl Acetate

Concen: 233.316 ug/l

RT: 5.84 min Scan# 1274

Delta R.T. -0.01 min

Lab File: VN063673.D

Acq: 25 Sep 2020 12:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2643205

Ion Ratio Lower Upper

43 100

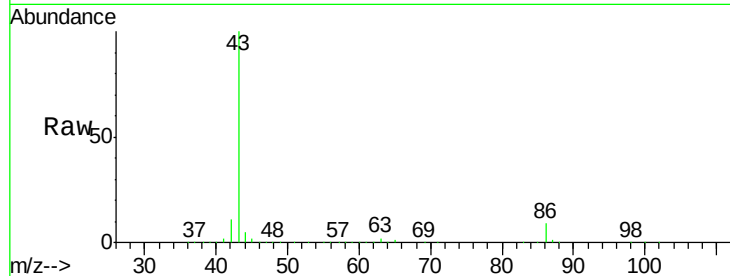
86 9.0 7.1 10.7

Manual Integrations

APPROVED

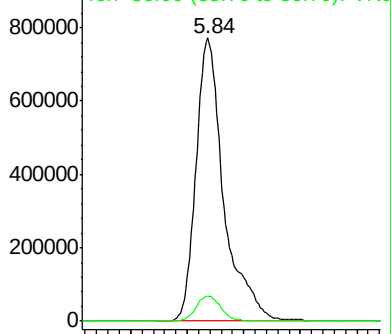
MMDadoda

9/29/2020 10:40:32 AM

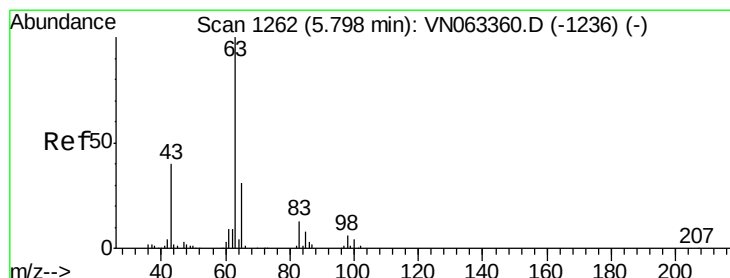
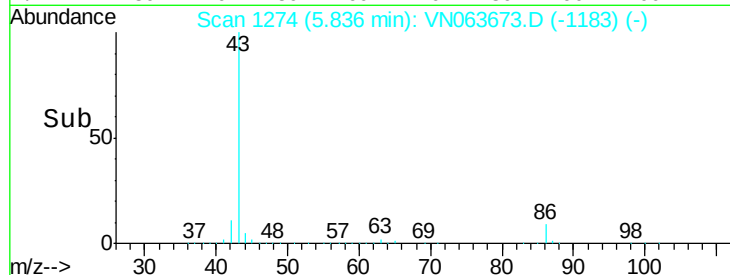


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



Time-->



#24

1,1-Dichloroethane

Concen: 46.807 ug/l

RT: 5.79 min Scan# 1260

Delta R.T. -0.01 min

Lab File: VN063673.D

Acq: 25 Sep 2020 12:58

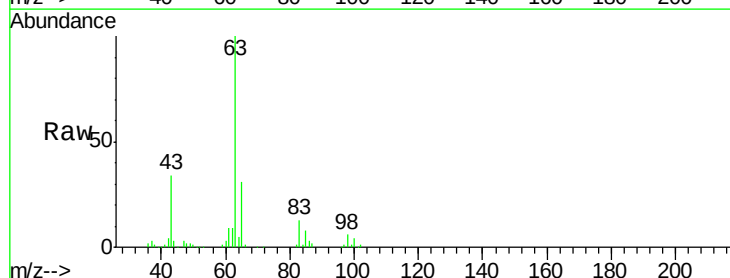
Tgt Ion: 63 Resp: 352508

Ion Ratio Lower Upper

63 100

98 6.1 2.9 8.8

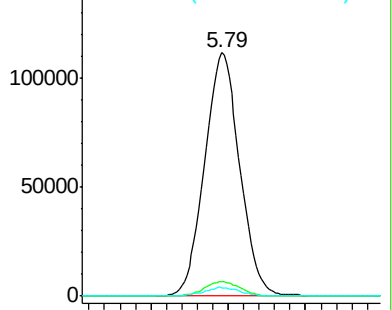
100 3.5 2.1 6.3



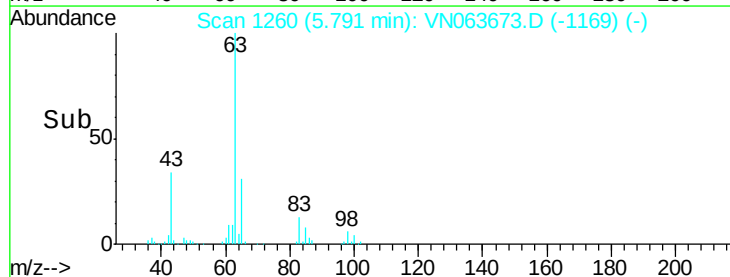
Abundance Ion 62.90 (62.60 to 63.60): VN0

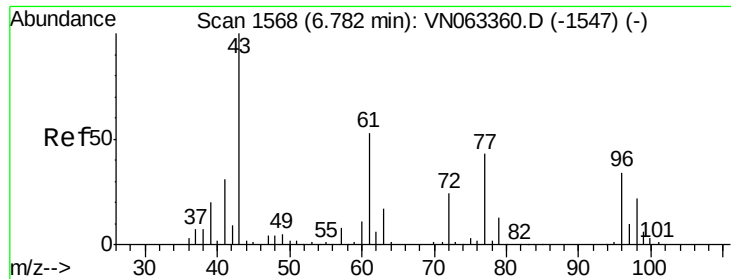
Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



Time-->





#25

2-Butanone

Concen: 225.108 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. -0.01 min

Lab File: VN063673.D

Acq: 25 Sep 2020 12:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 573912

Ion Ratio Lower Upper

43 100

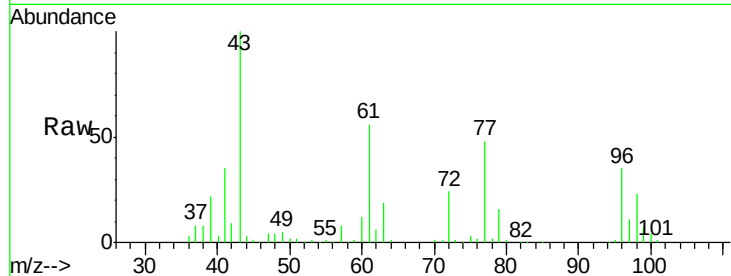
72 24.1 19.2 28.8

Manual Integrations

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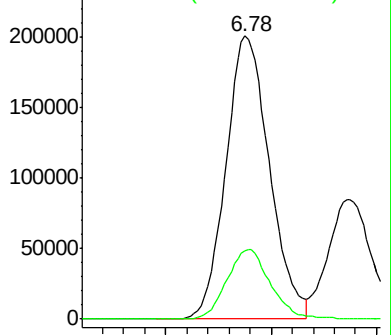
MMDadoda

9/29/2020 10:40:32 AM

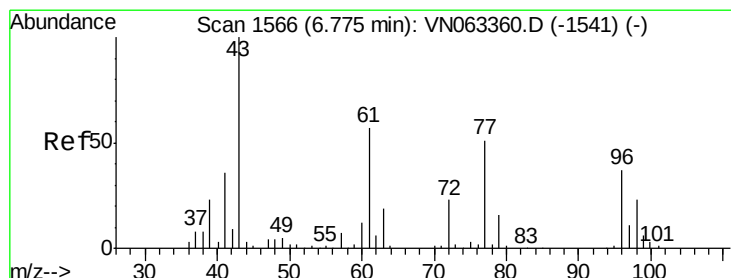
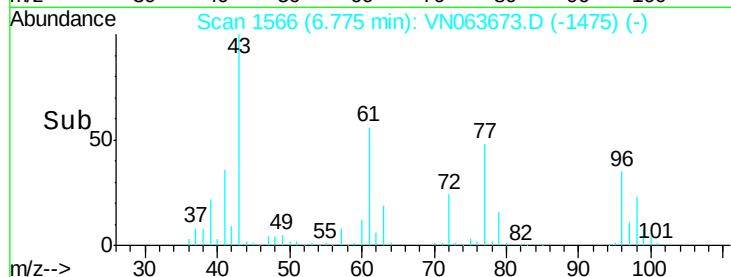


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



Time-->



#26

2,2-Dichloropropane

Concen: 47.999 ug/l

RT: 6.77 min Scan# 1564

Delta R.T. -0.01 min

Lab File: VN063673.D

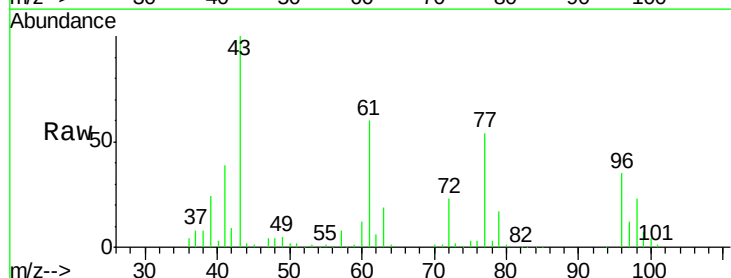
Acq: 25 Sep 2020 12:58

Tgt Ion: 77 Resp: 318266

Ion Ratio Lower Upper

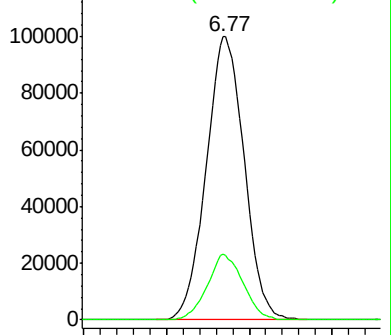
77 100

97 21.9 10.5 31.6

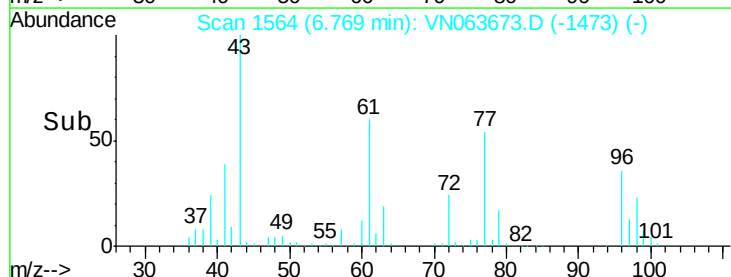


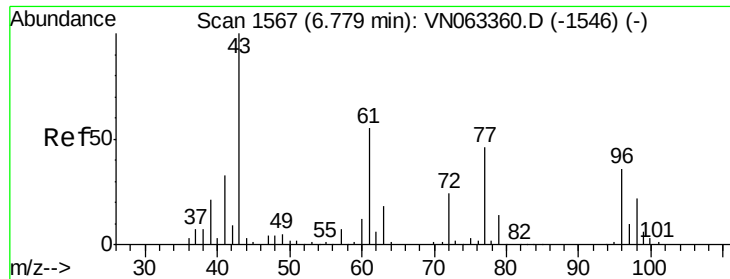
Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0



Time-->





#27

cis-1,2-Dichloroethene

Concen: 47.323 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN063673.D

Acq: 25 Sep 2020 12:58

Instrument :

MSVOA_N

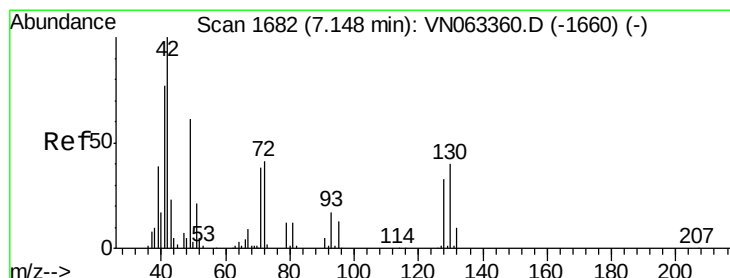
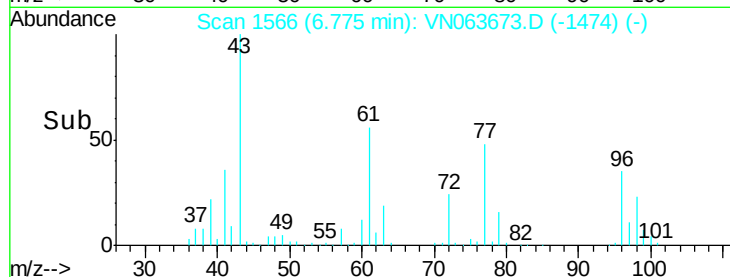
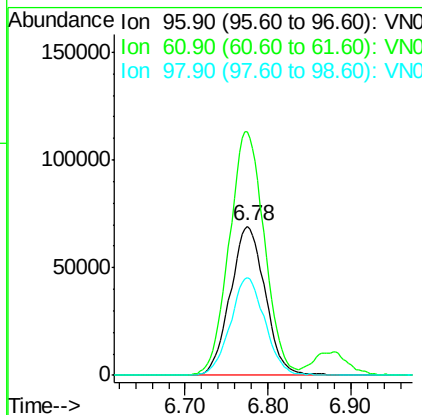
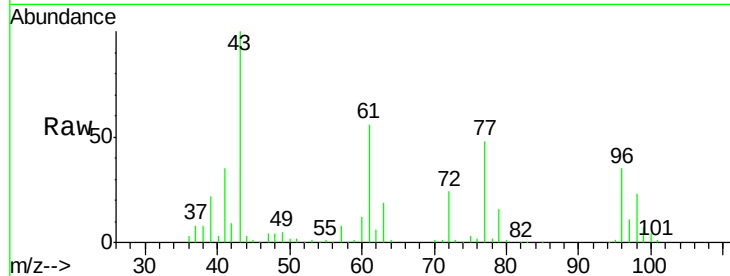
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	202922		
61	164.6	0.0	319.6	
98	64.7	0.0	127.8	

Manual Integrations
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9/29/2020 10:40:32 AM



#28

Bromochloromethane

Concen: 45.697 ug/l

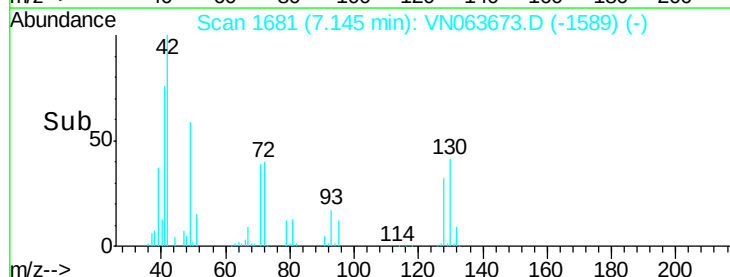
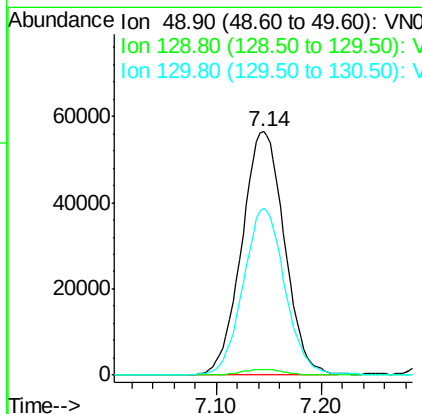
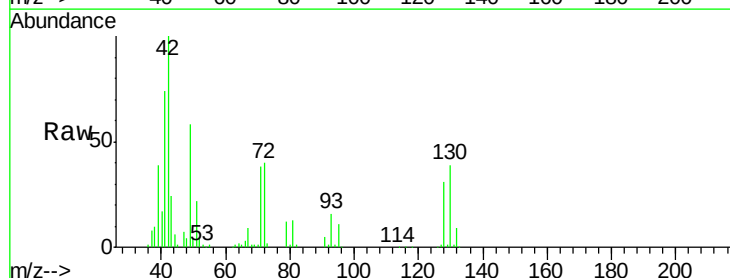
RT: 7.14 min Scan# 1681

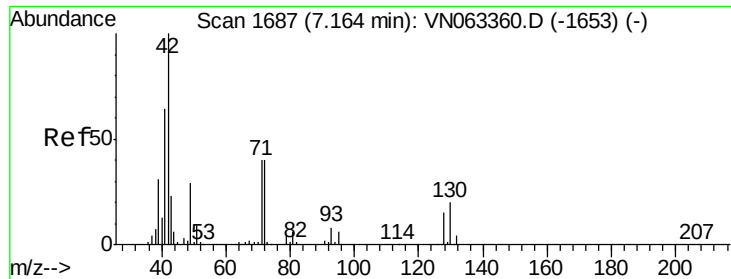
Delta R.T. -0.00 min

Lab File: VN063673.D

Acq: 25 Sep 2020 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	158904		
129	2.2	0.0	3.8	
130	66.5	52.2	78.2	





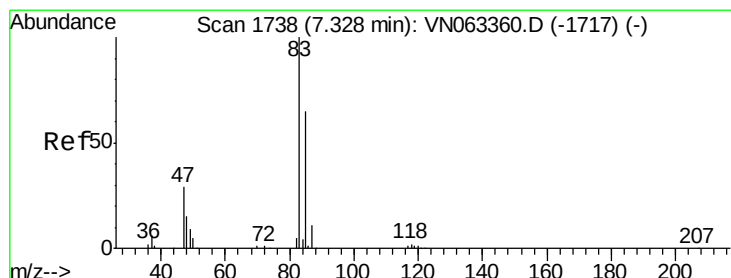
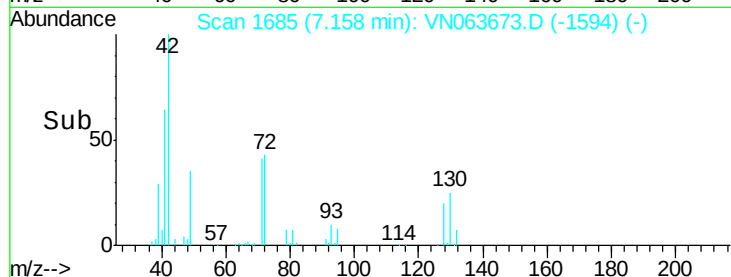
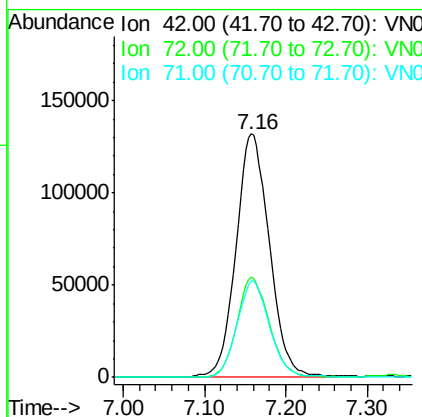
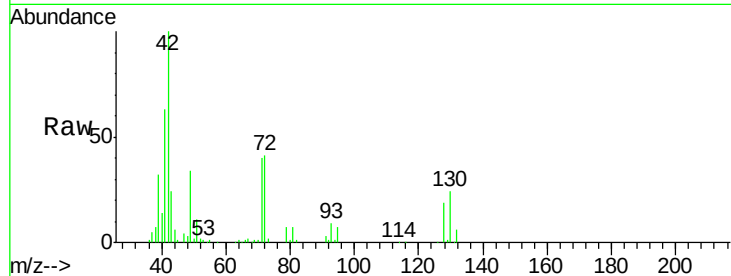
#29
Tetrahydrofuran
Concen: 212.624 ug/l
RT: 7.16 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VN063673.D
Acq: 25 Sep 2020 12:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.4	32.1	48.1
71	38.9	31.2	46.8

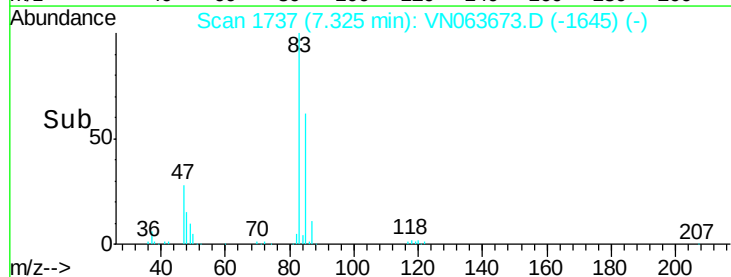
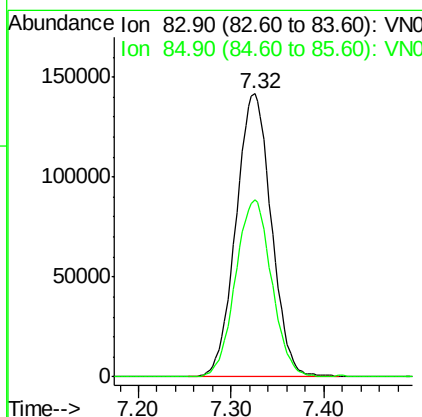
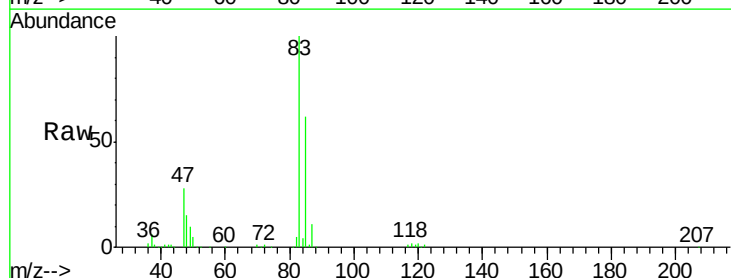
Manual Integrations
APPROVED

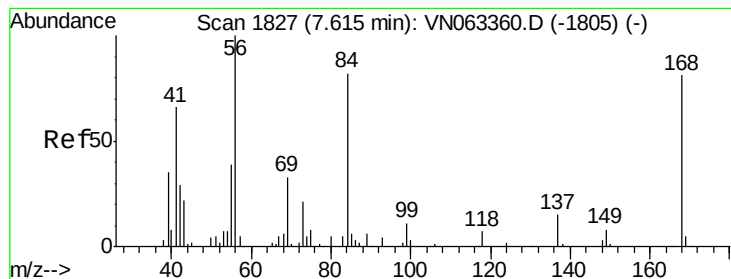
MMDadoda
9/29/2020 10:40:32 AM



#30
Chloroform
Concen: 49.643 ug/l
RT: 7.32 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN063673.D
Acq: 25 Sep 2020 12:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.4	52.1	78.1





#31

Cyclohexane

Concen: 41.127 ug/l

RT: 7.61 min Scan# 1825

Delta R.T. -0.01 min

Lab File: VN063673.D

Acq: 25 Sep 2020 12:58

Instrument :

MSVOA_N

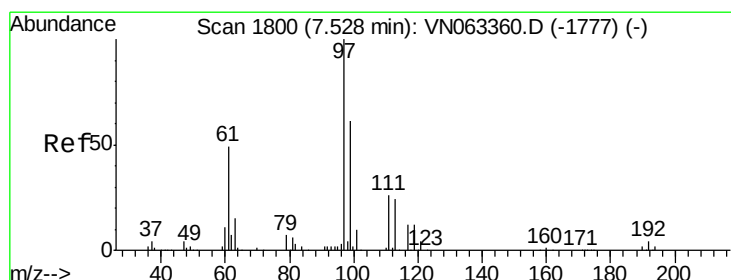
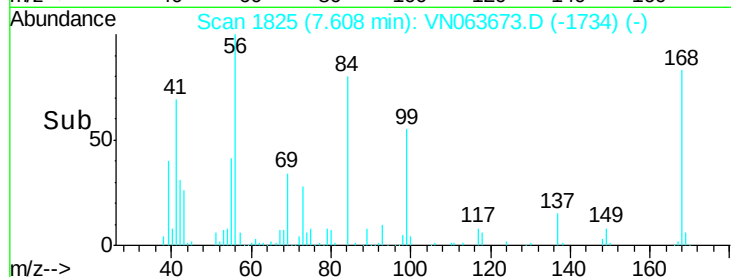
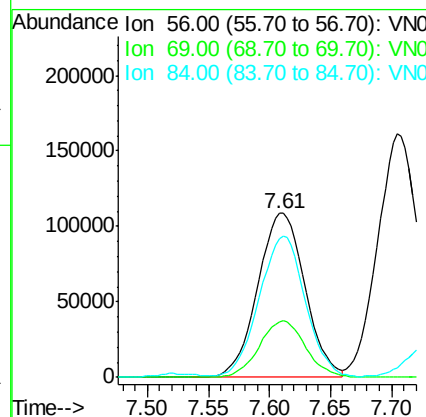
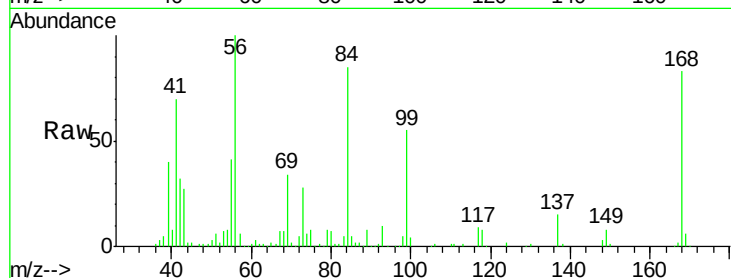
ClientSampled :

VSTDCCC050

Tot Ion:	56	Resp:	292980
Ion Ratio	Lower	Upper	
56	100		
69	33.9	26.1	39.1
84	83.0	65.4	98.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 48.844 ug/l

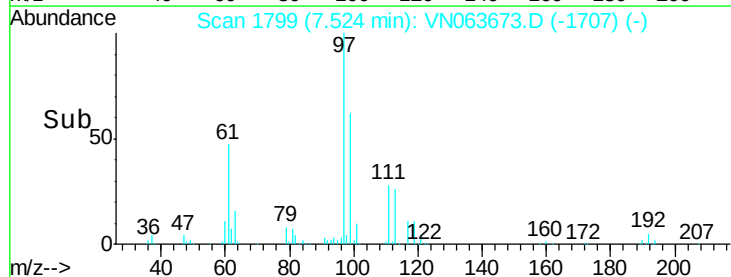
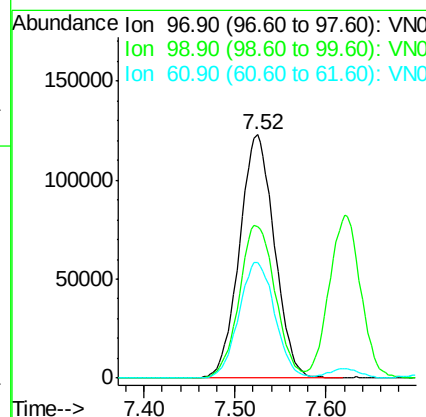
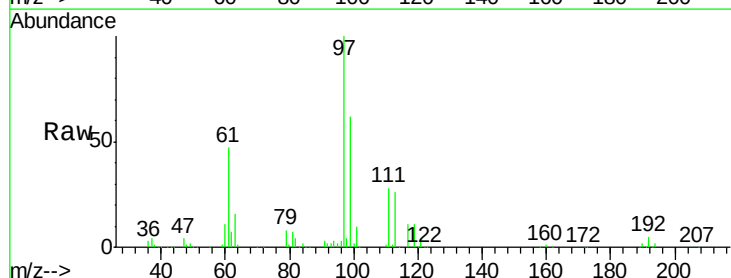
RT: 7.52 min Scan# 1799

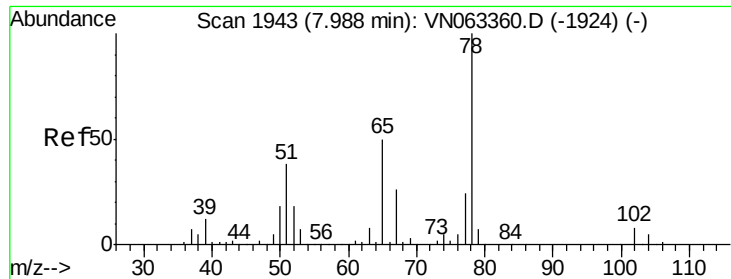
Delta R.T. -0.00 min

Lab File: VN063673.D

Acq: 25 Sep 2020 12:58

Tgt Ion:	97	Resp:	328250
Ion Ratio	Lower	Upper	
97	100		
99	64.7	50.6	76.0
61	49.0	39.2	58.8





#33

1,2-Dichloroethane-d4

Concen: 46.625 ug/l

RT: 7.98 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN063673.D

Acq: 25 Sep 2020 12:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 240491

Ion Ratio Lower Upper

65 100

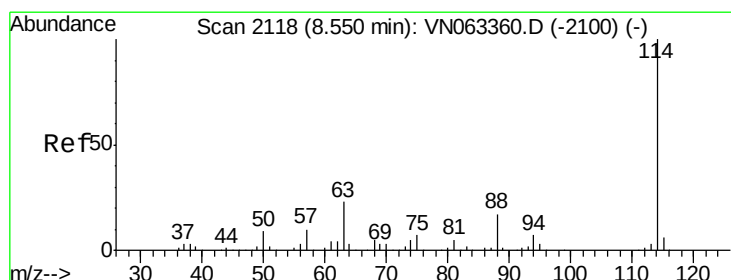
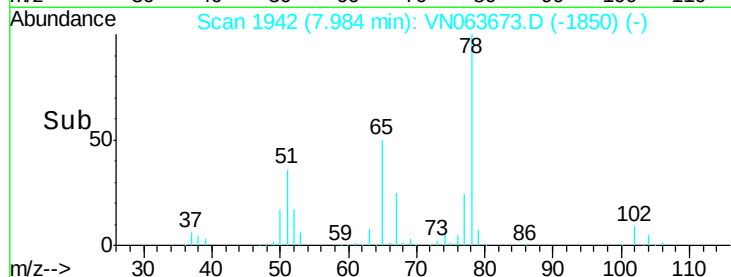
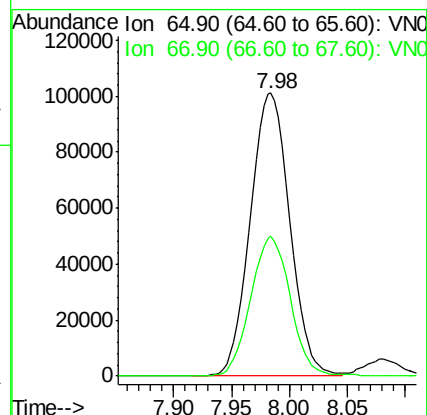
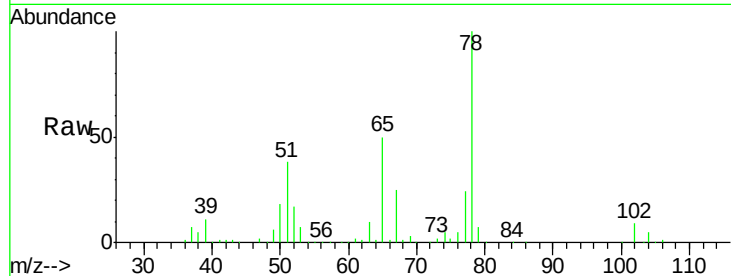
67 49.6 0.0 104.2

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VN063673.D

Acq: 25 Sep 2020 12:58

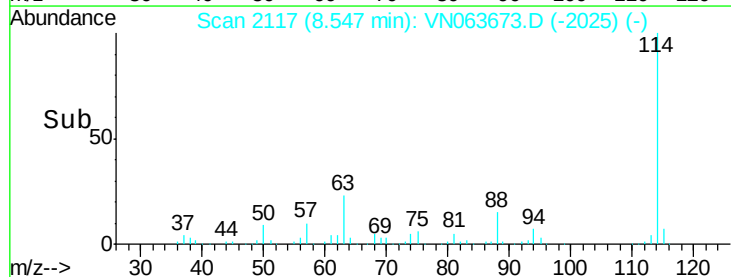
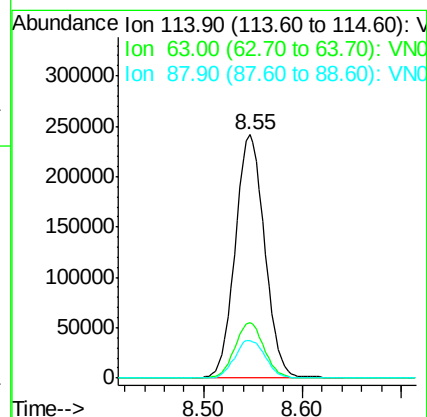
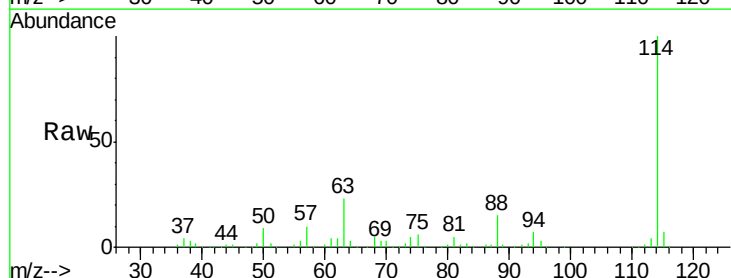
Tgt Ion: 114 Resp: 502742

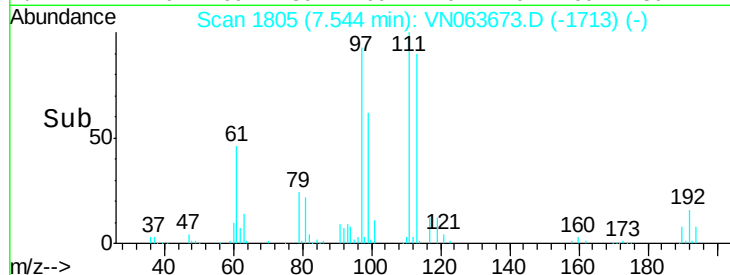
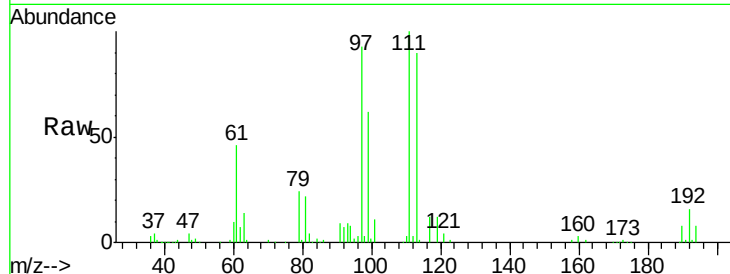
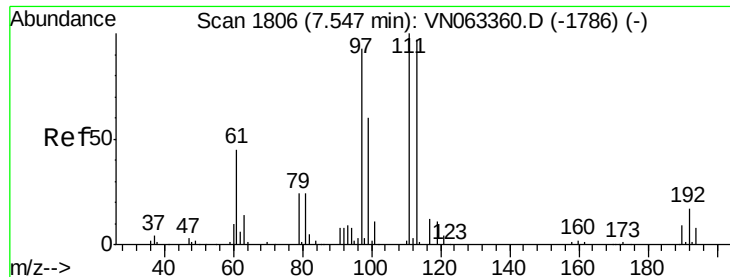
Ion Ratio Lower Upper

114 100

63 23.0 0.0 46.4

88 15.4 0.0 33.2





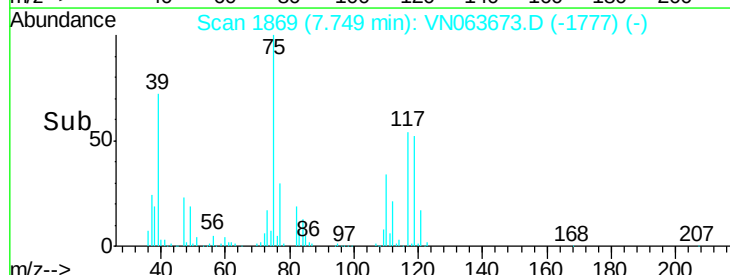
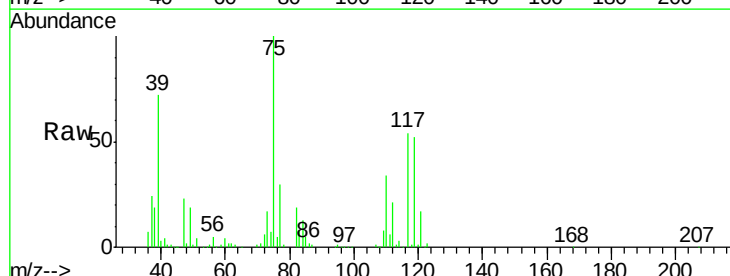
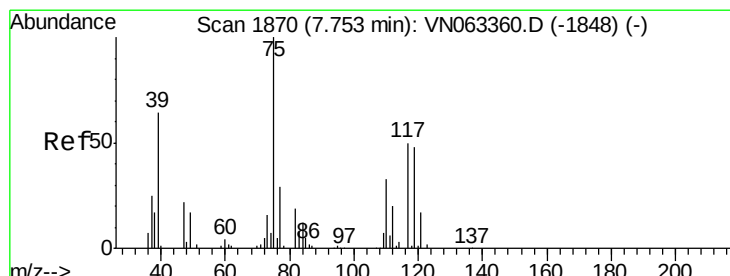
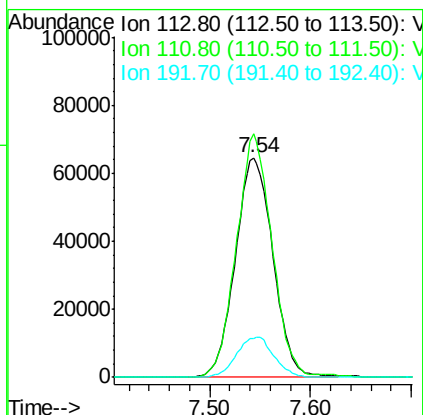
#35
Dibromofluoromethane
Concen: 48.034 ug/l
RT: 7.54 min Scan# 1805
Delta R.T. -0.00 min
Lab File: VN063673.D
Acq: 25 Sep 2020 12:58

Tot Ion	Ratio	Resp	Lower	Upper
113	100	167176		
111	104.2	82.9	124.3	
192	18.1	13.9	20.9	

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

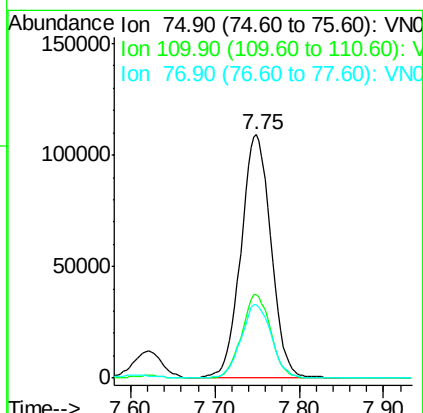
Manual Integrations
APPROVED

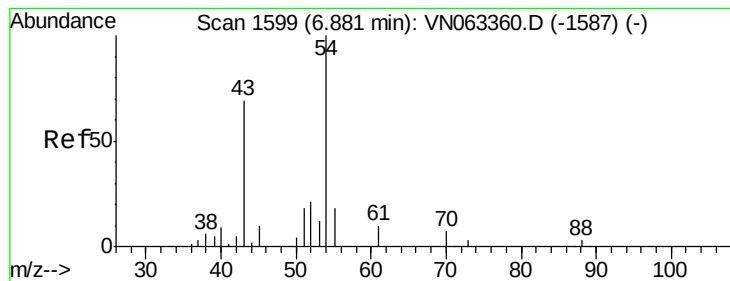
MMDadoda
9/29/2020 10:40:32 AM



#36
1,1-Dichloropropene
Concen: 50.257 ug/l
RT: 7.75 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VN063673.D
Acq: 25 Sep 2020 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	269177		
110	33.5	16.5	49.5	
77	30.8	24.6	36.8	





#37

Ethyl Acetate

Concen: 46.756 ug/l

RT: 6.87 min Scan# 1596

Delta R.T. -0.01 min

Lab File: VN063673.D

Acq: 25 Sep 2020 12:58

Instrument :

MSVOA_N

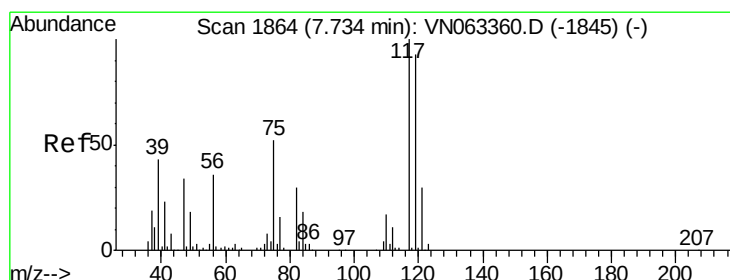
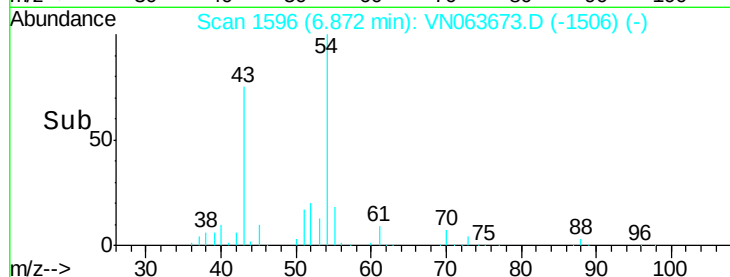
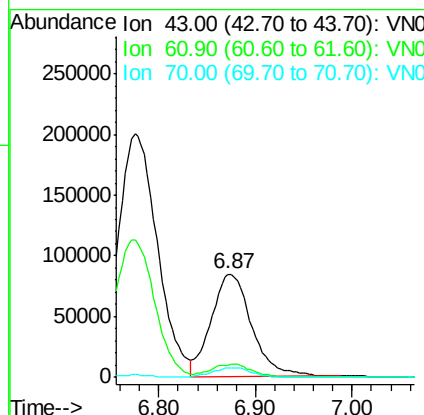
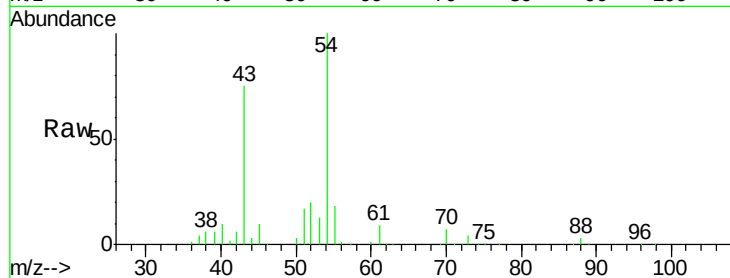
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	245780
Ion	Ratio	Lower	Upper
43	100		
61	12.3	10.6	15.8
70	9.4	7.2	10.8

Manual Integrations
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MMDadoda
9/29/2020 10:40:32 AM



#38

Carbon Tetrachloride

Concen: 52.081 ug/l

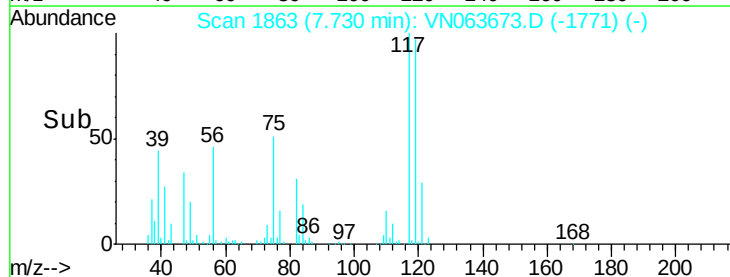
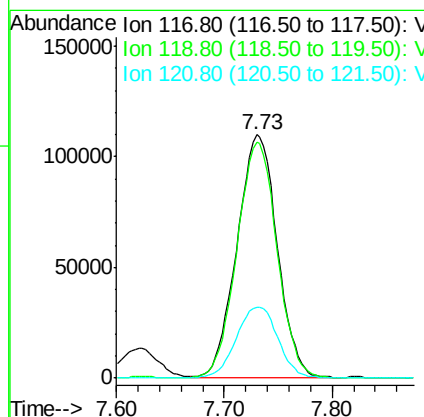
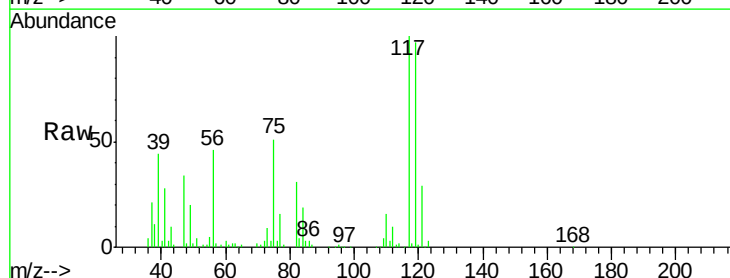
RT: 7.73 min Scan# 1863

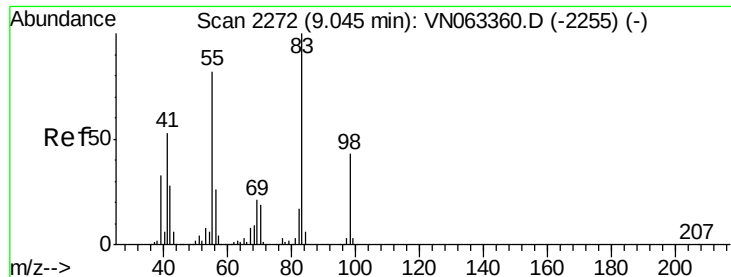
Delta R.T. -0.00 min

Lab File: VN063673.D

Acq: 25 Sep 2020 12:58

Tgt Ion:	117	Resp:	284747
Ion	Ratio	Lower	Upper
117	100		
119	97.1	74.5	111.7
121	29.0	24.1	36.1





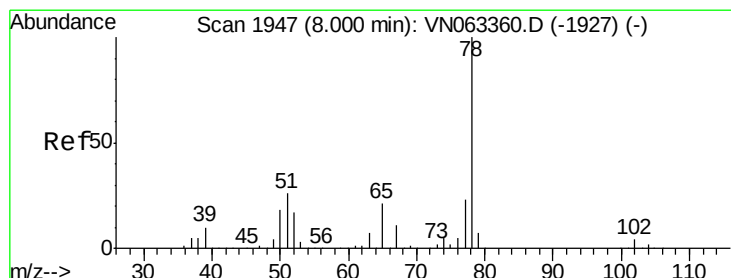
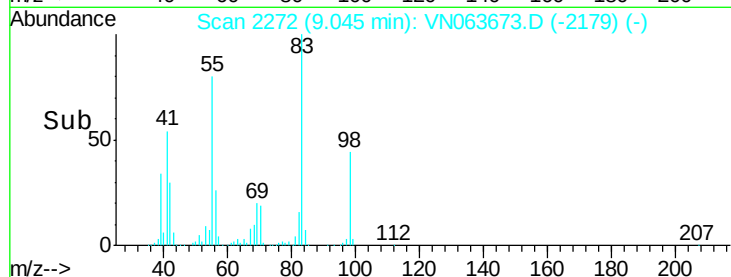
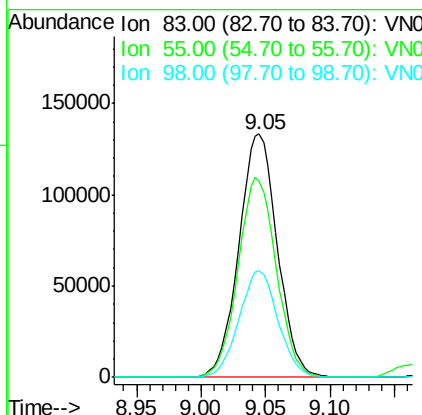
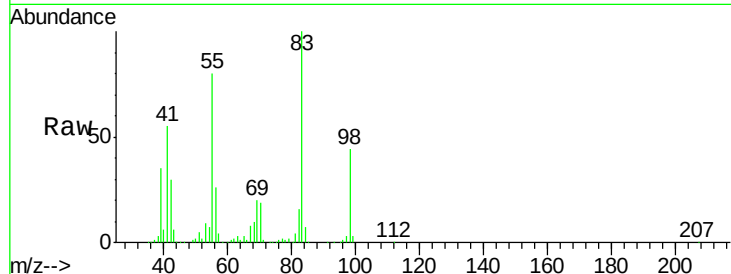
#39
Methylvlcyclohexane
Concen: 47.612 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN063673.D
Acq: 25 Sep 2020 12:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	80.5	65.5	98.3	
98	43.7	34.2	51.4	

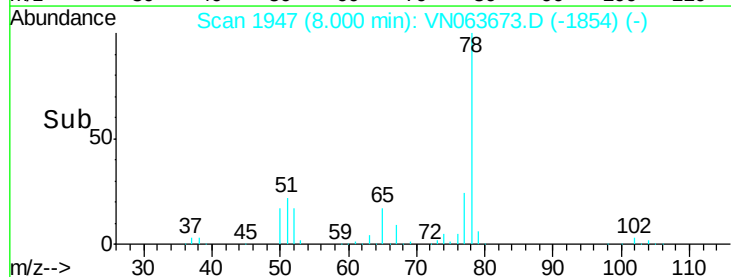
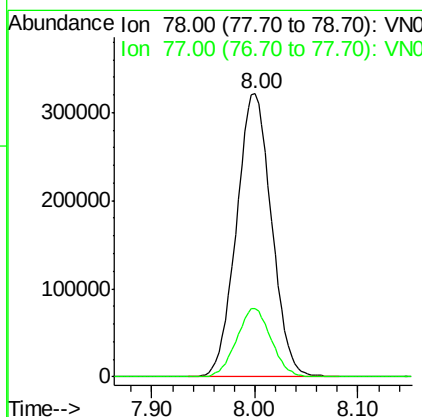
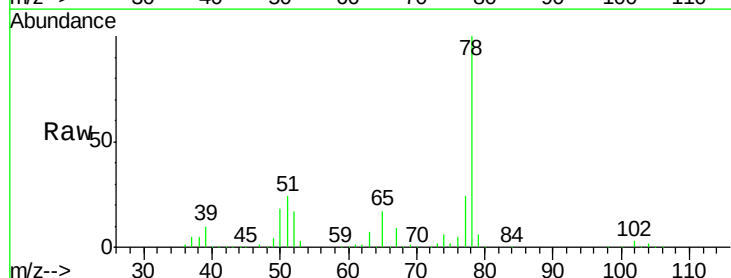
Manual Integrations
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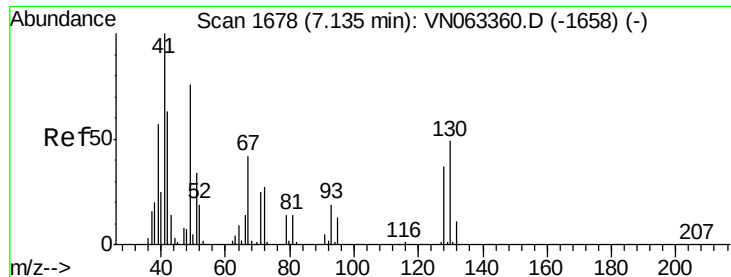
MMDadoda
9/29/2020 10:40:32 AM



#40
Benzene
Concen: 49.809 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN063673.D
Acq: 25 Sep 2020 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.3	18.3	27.5	





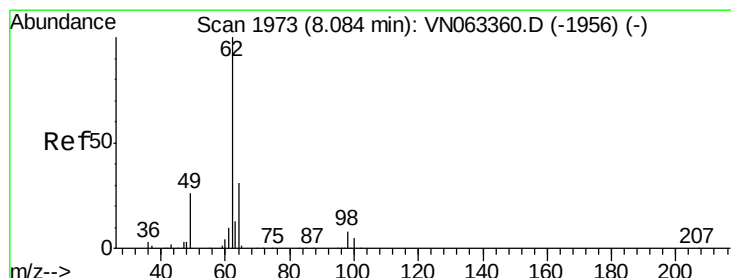
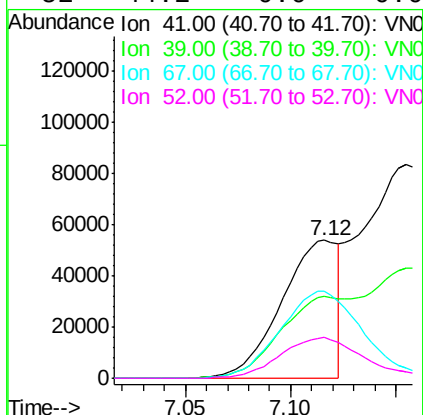
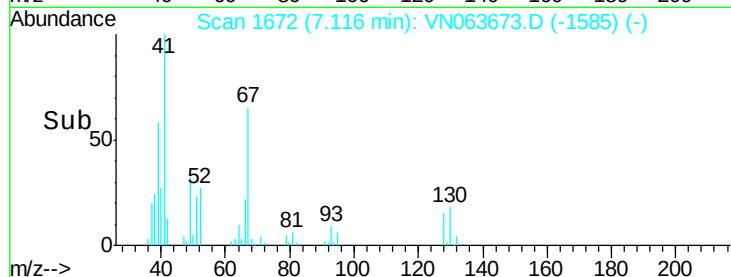
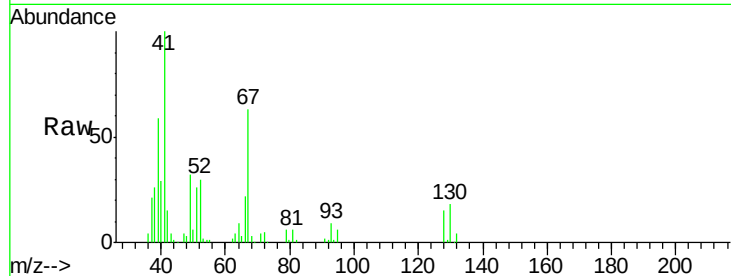
#41
Methacrylonitrile
Concen: 42.583 ug/l
RT: 7.12 min Scan# 1672
Delta R.T. -0.02 min
Lab File: VN063673.D
Acq: 25 Sep 2020 12:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	66.4	0.0	0.0#		
67	93.1	0.0	0.0#		
52	44.2	0.0	0.0#		

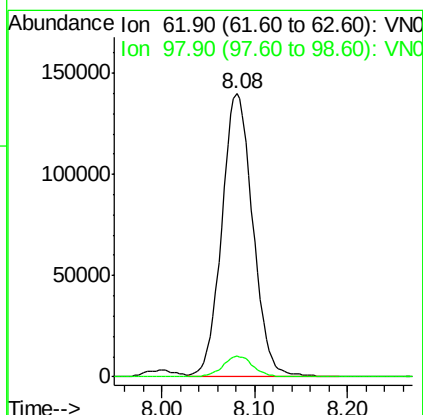
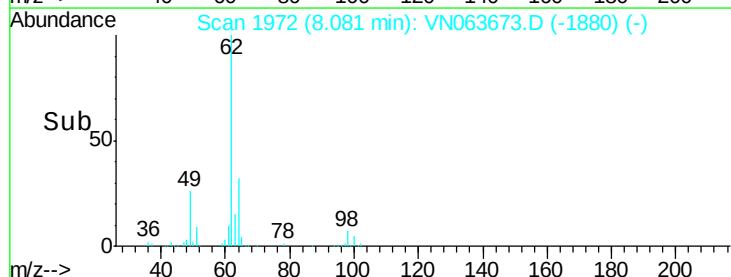
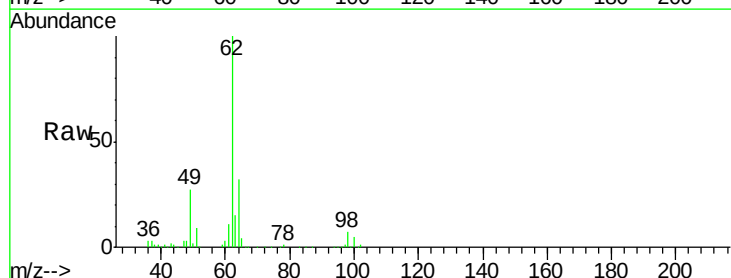
Manual Integrations
APPROVED

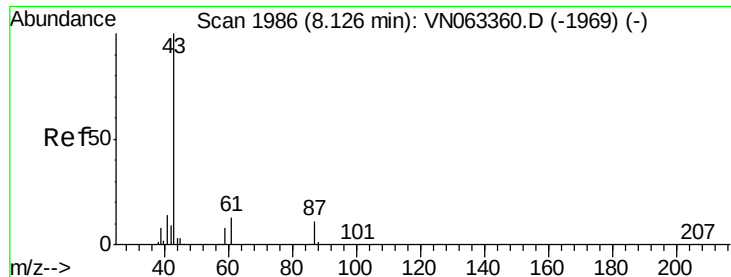
MMDadoda
9/29/2020 10:40:32 AM



#42
1,2-Dichloroethane
Concen: 52.564 ug/l
RT: 8.08 min Scan# 1972
Delta R.T. -0.00 min
Lab File: VN063673.D
Acq: 25 Sep 2020 12:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	7.1	0.0	15.6		





#43

Isopropyl Acetate

Concen: 46.929 ug/l

RT: 8.12 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VN063673.D

Acq: 25 Sep 2020 12:58

Instrument :

MSVOA_N

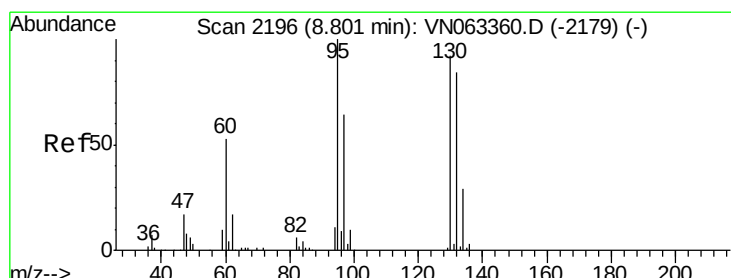
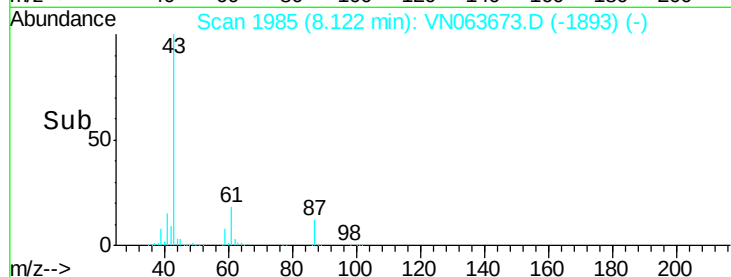
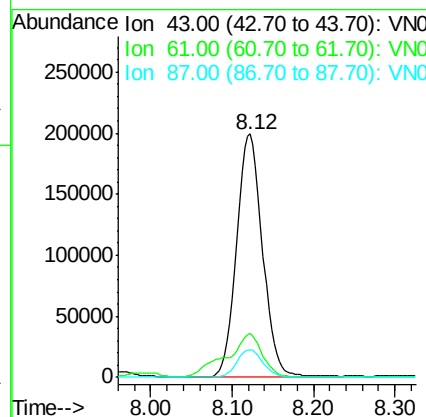
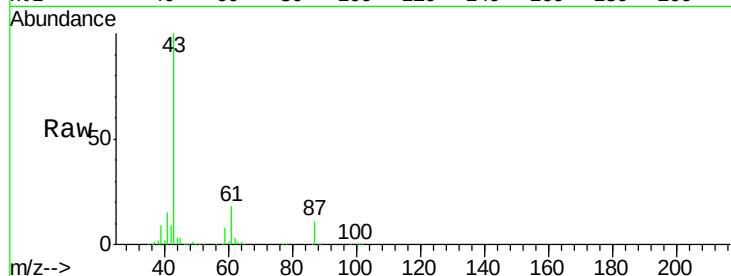
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	441113
Ion	Ratio	Lower	Upper
43	100		
61	25.1	14.2	21.2#
87	11.5	9.0	13.6

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#44

Trichloroethene

Concen: 52.335 ug/l

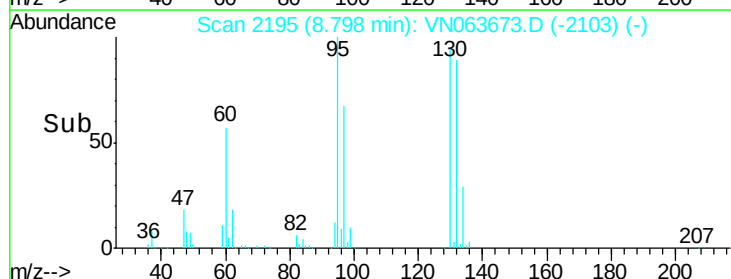
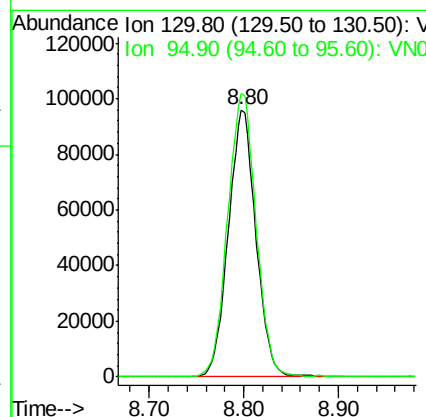
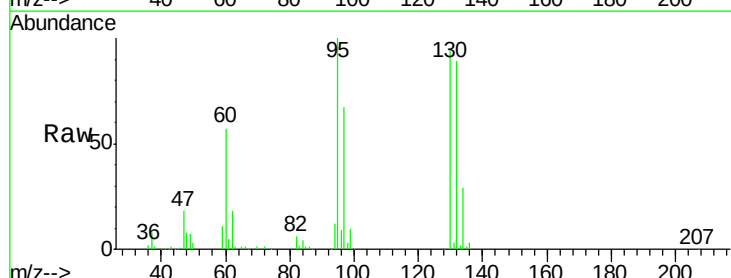
RT: 8.80 min Scan# 2195

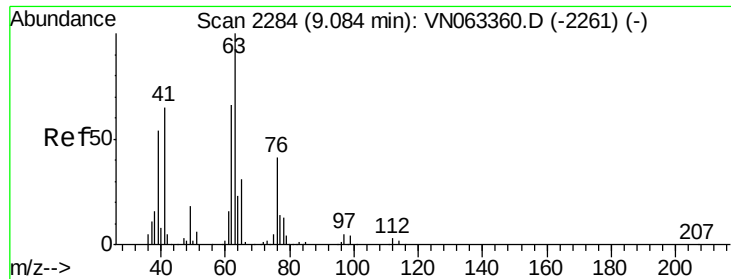
Delta R.T. -0.00 min

Lab File: VN063673.D

Acq: 25 Sep 2020 12:58

Tgt Ion:	130	Resp:	194077
Ion	Ratio	Lower	Upper
130	100		
95	106.0	0.0	217.4





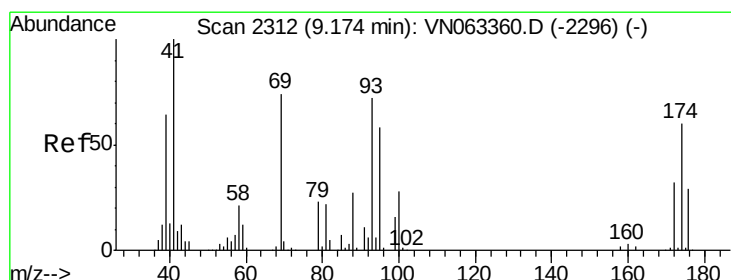
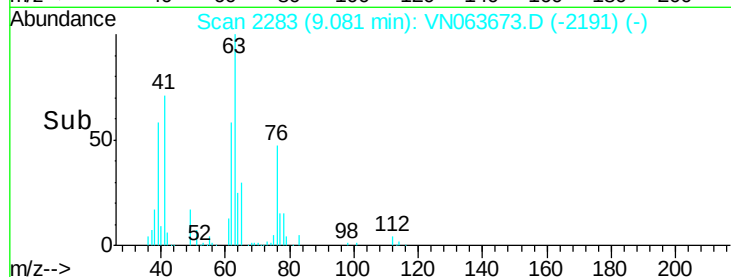
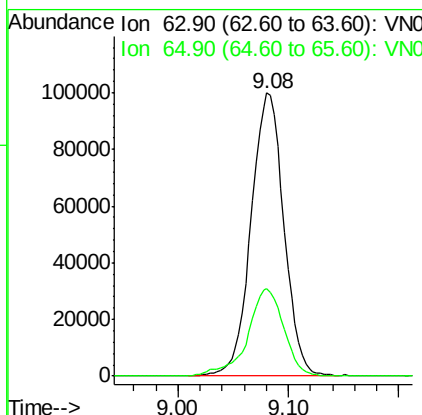
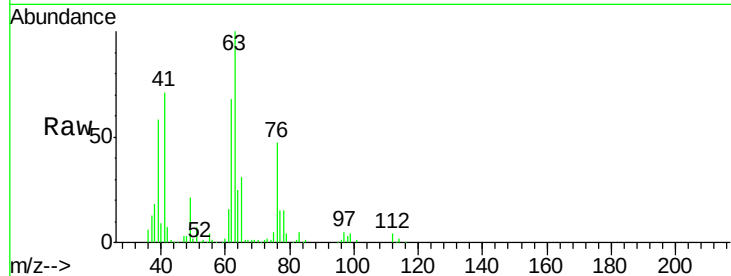
#45
 1,2-Dichloropropane
 Concen: 49.672 ug/l
 RT: 9.08 min Scan# 2283
 Delta R.T. -0.00 min
 Lab File: VN063673.D
 Acq: 25 Sep 2020 12:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 206842
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.0 37.6

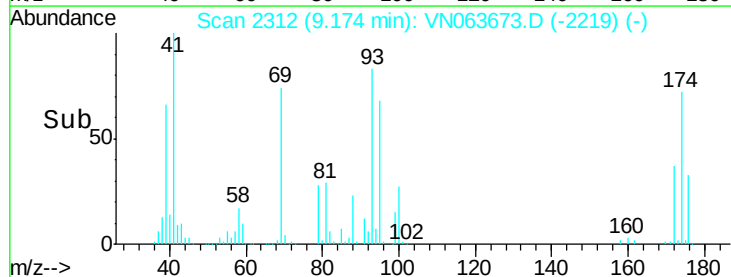
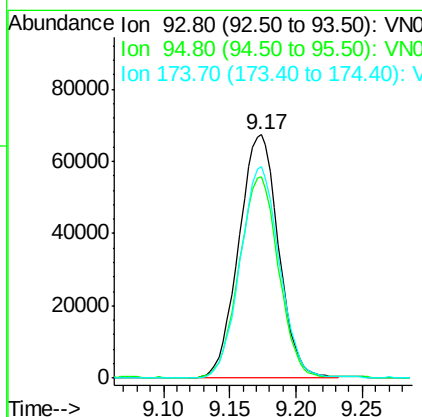
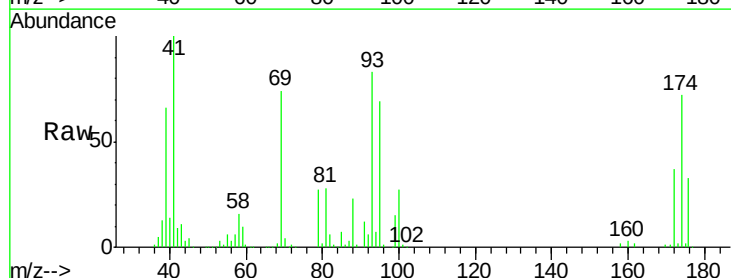
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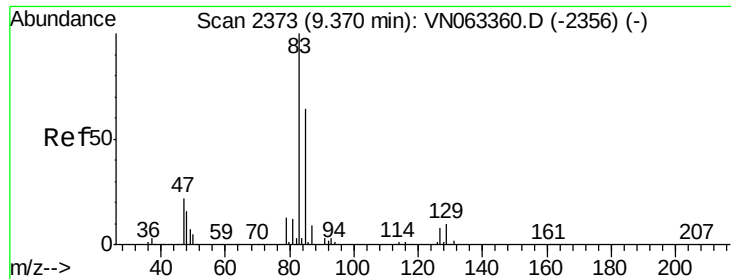
MMDadoda
 9/29/2020 10:40:32 AM



#46
 Dibromomethane
 Concen: 51.301 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN063673.D
 Acq: 25 Sep 2020 12:58

Tgt Ion: 93 Resp: 140409
 Ion Ratio Lower Upper
 93 100
 95 82.3 65.6 98.4
 174 85.7 68.1 102.1





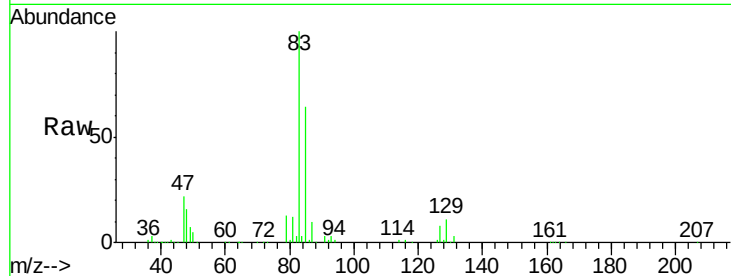
#47
Bromodichloromethane
Concen: 52.737 ug/l
RT: 9.37 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN063673.D
Acq: 25 Sep 2020 12:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

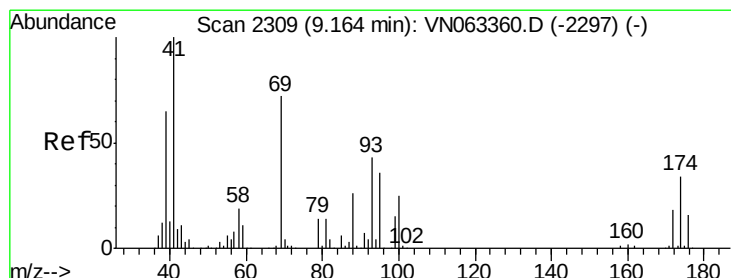
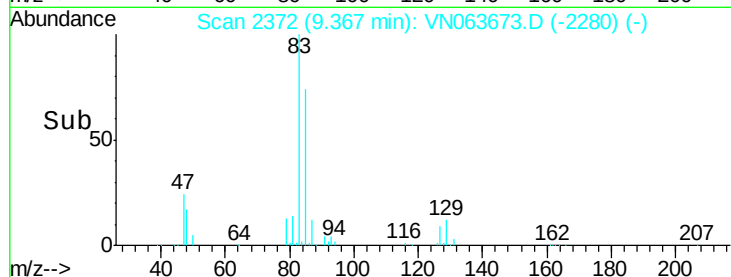
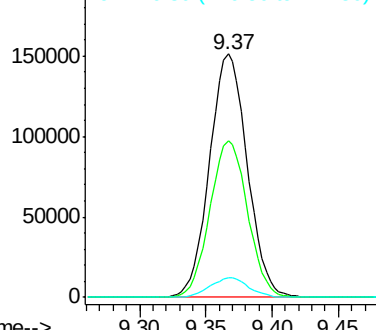
Tot Ion	83	Resp	299860
Ion Ratio	100	Lower	Upper
83	100		
85	64.1	51.0	76.6
127	7.9	6.3	9.5

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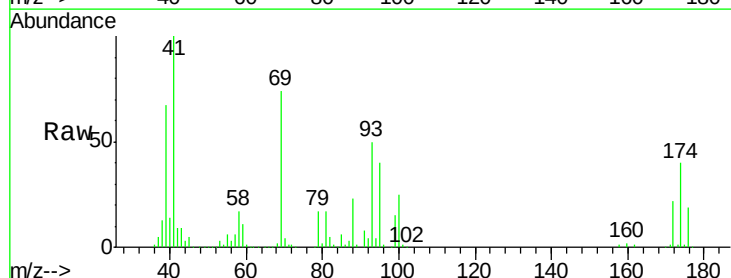


Abundance Ion 82.90 (82.60 to 83.60): VN063360.D (-2356) (-)

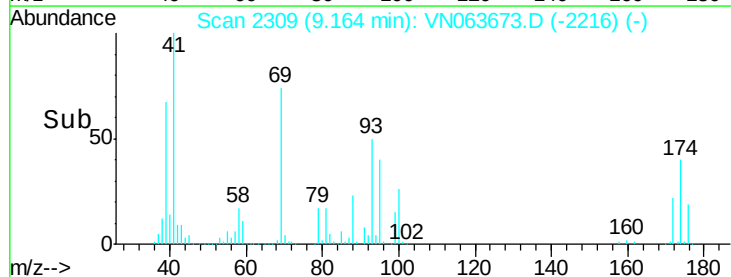
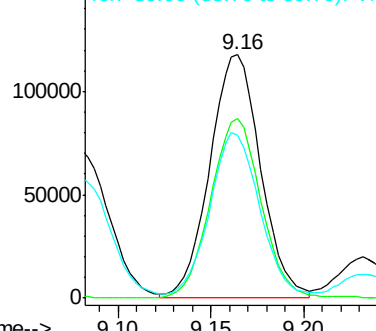


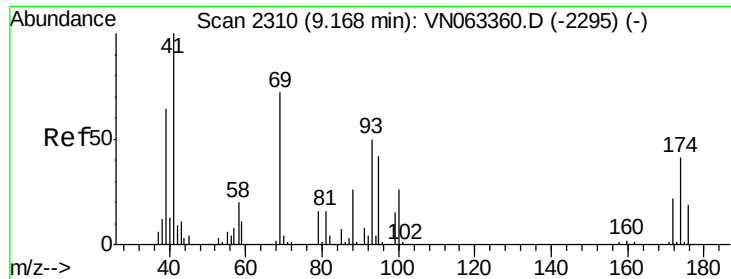
#48
Methyl methacrylate
Concen: 48.334 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN063673.D
Acq: 25 Sep 2020 12:58

Tgt Ion	41	Resp	223207
Ion Ratio	100	Lower	Upper
41	100		
69	74.0	59.3	88.9
39	67.6	52.9	79.3



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





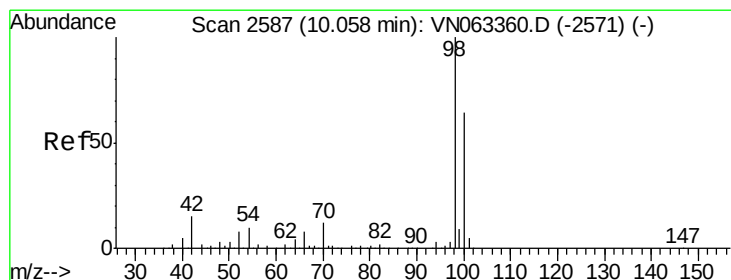
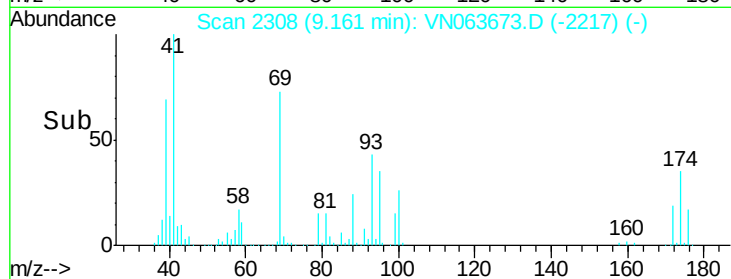
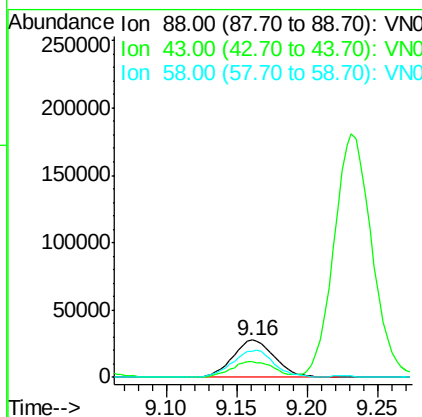
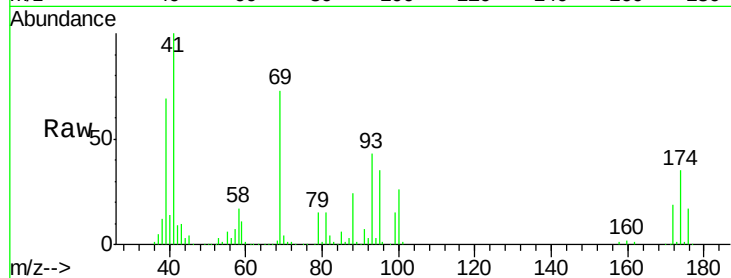
#49
1,4-Dioxane
Concen: 866.751 ug/l
RT: 9.16 min Scan# 2308
Delta R.T. -0.01 min
Lab File: VN063673.D
Acq: 25 Sep 2020 12:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.5	32.6	49.0
58	72.0	60.0	90.0

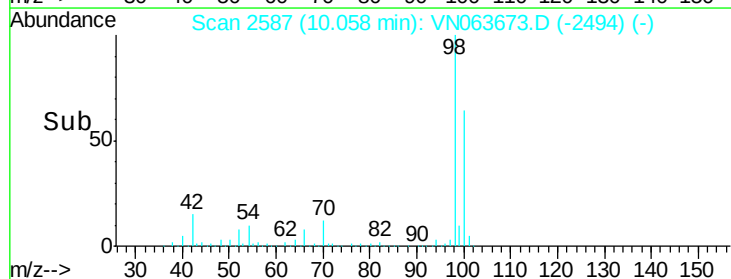
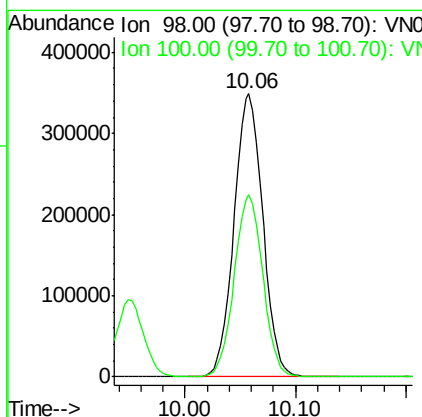
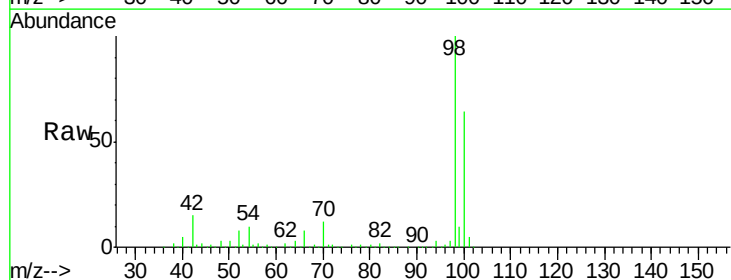
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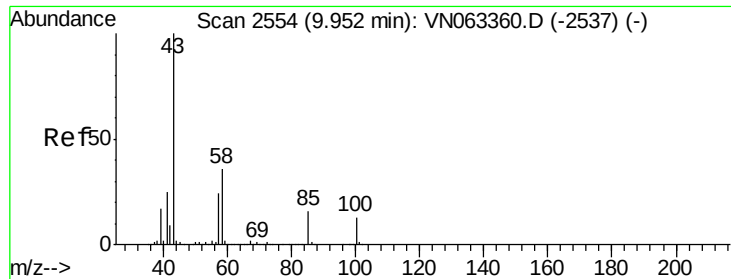
MMDadoda
9/29/2020 10:40:32 AM



#50
Toluene-d8
Concen: 48.311 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN063673.D
Acq: 25 Sep 2020 12:58

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	50.7	76.1





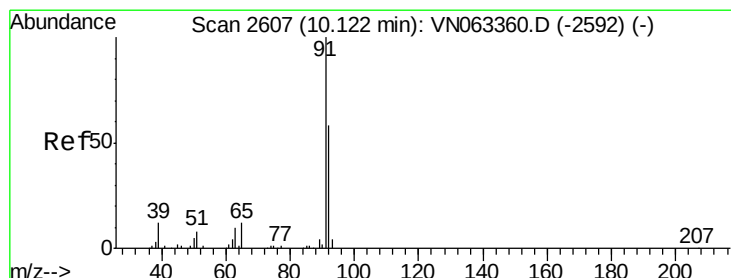
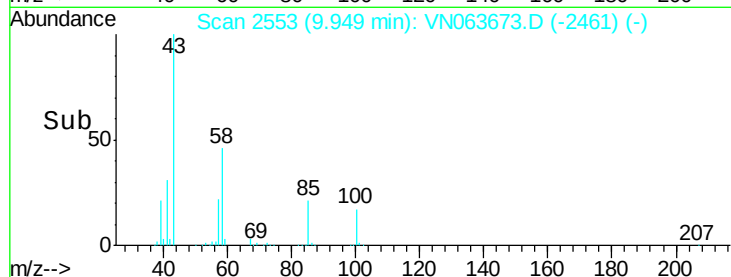
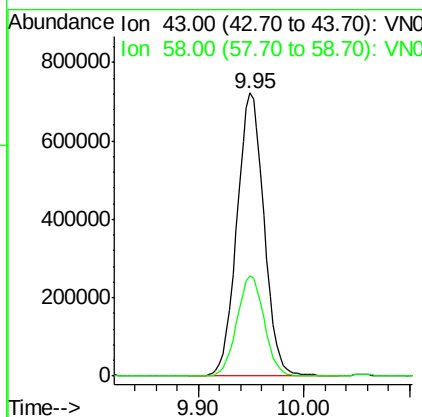
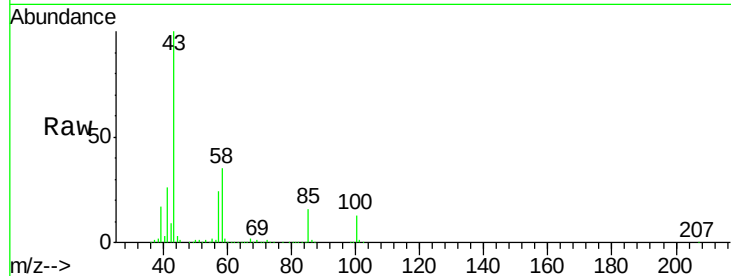
#51
 4-Methyl-2-Pentanone
 Concen: 243.487 ug/l
 RT: 9.95 min Scan# 2553
 Delta R.T. -0.00 min
 Lab File: VN063673.D
 Acq: 25 Sep 2020 12:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1281272
 Ion Ratio Lower Upper
 43 100
 58 35.7 29.0 43.6

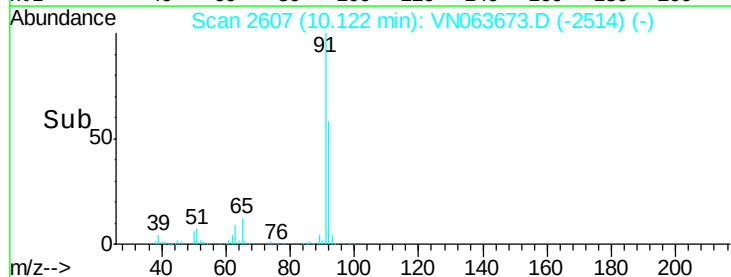
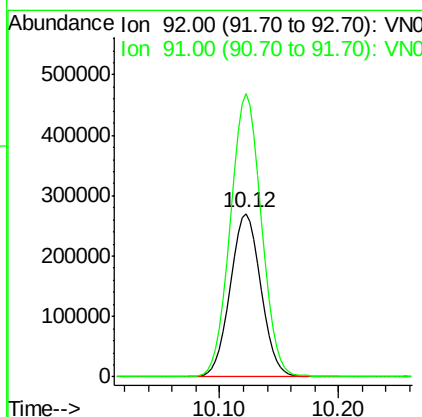
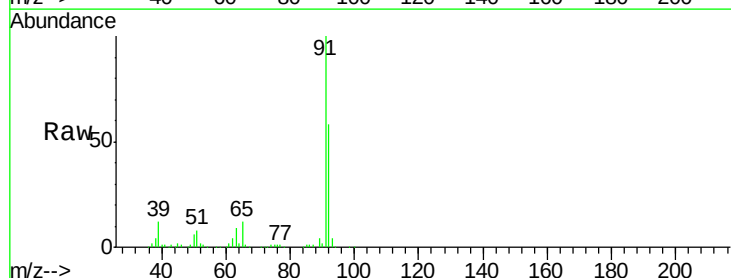
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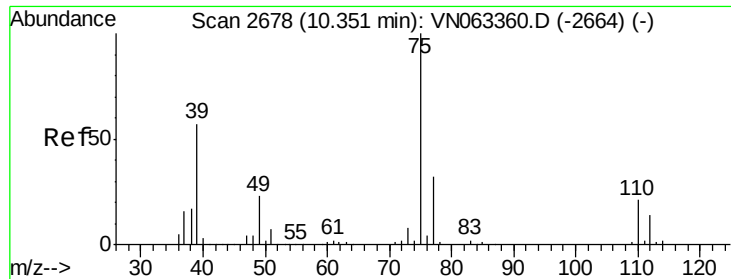
MMDadoda
 9/29/2020 10:40:32 AM



#52
 Toluene
 Concen: 52.723 ug/l
 RT: 10.12 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN063673.D
 Acq: 25 Sep 2020 12:58

Tgt Ion: 92 Resp: 484654
 Ion Ratio Lower Upper
 92 100
 91 175.0 139.7 209.5





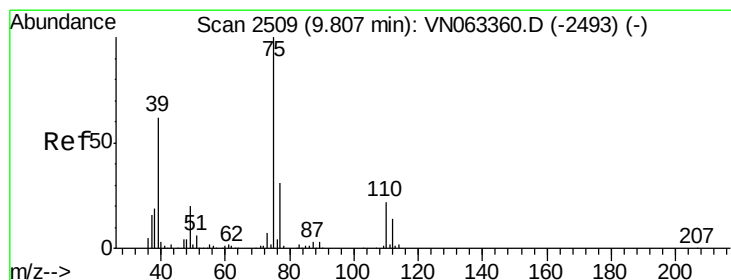
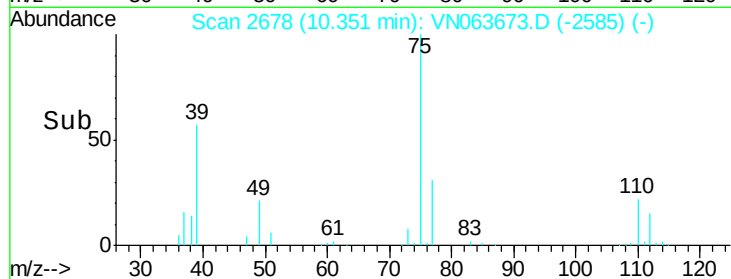
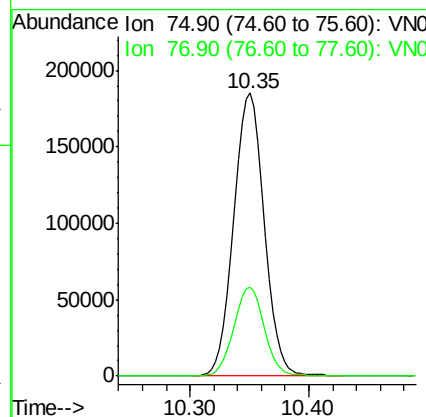
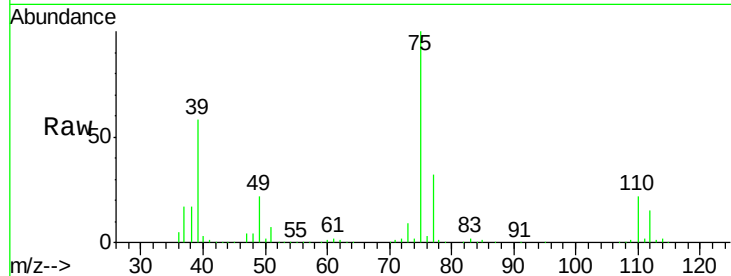
#53
t-1,3-Dichloropropene
Concen: 52.086 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN063673.D
Acq: 25 Sep 2020 12:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 330626
Ion Ratio Lower Upper
75 100
77 31.4 25.4 38.2

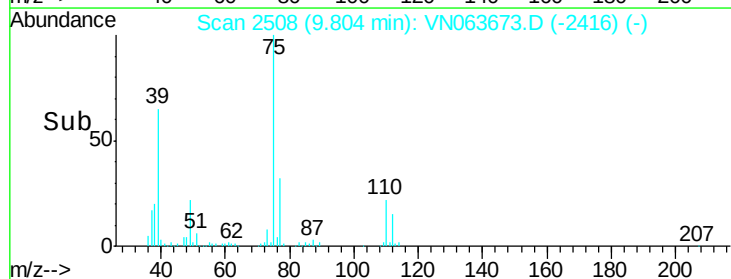
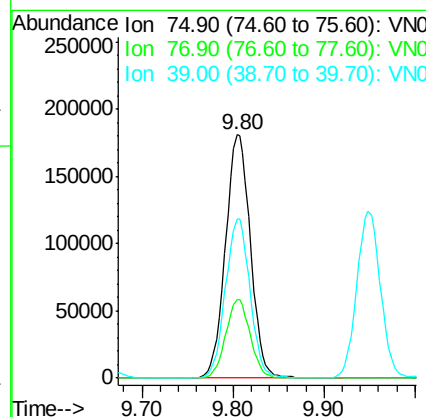
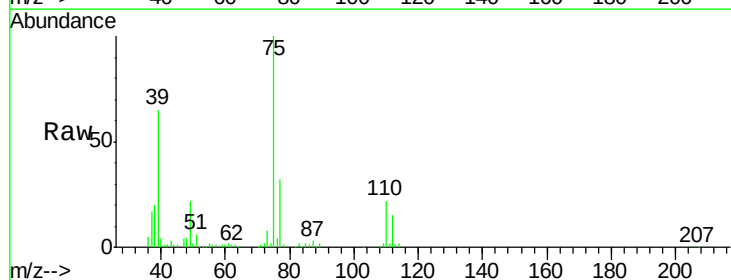
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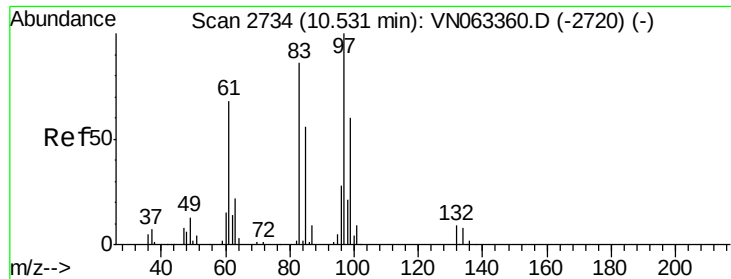
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#54
cis-1,3-Dichloropropene
Concen: 51.509 ug/l
RT: 9.80 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN063673.D
Acq: 25 Sep 2020 12:58

Tgt Ion: 75 Resp: 344877
Ion Ratio Lower Upper
75 100
77 32.2 24.6 37.0
39 65.2 49.8 74.8





#55

1,1,2-Trichloroethane

Concen: 52.147 ug/l

RT: 10.53 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN063673.D

Acq: 25 Sep 2020 12:58

Instrument :

MSVOA_N

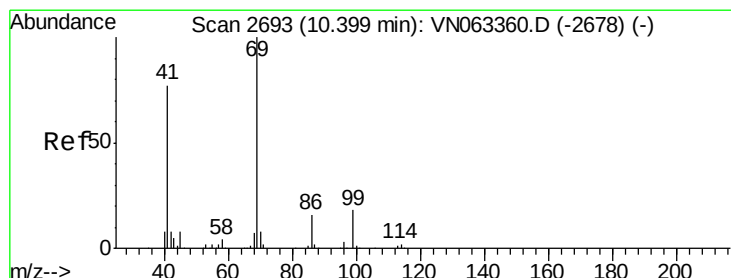
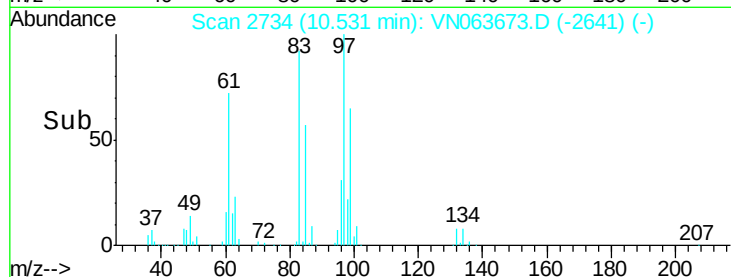
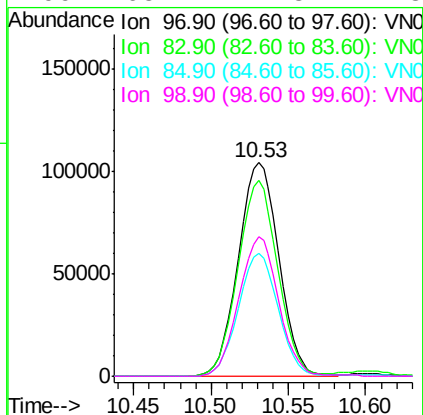
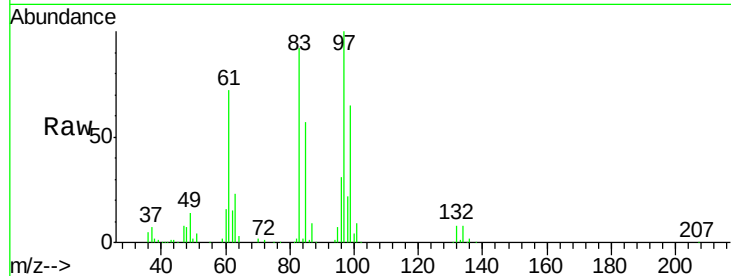
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	190406
Ion	Ratio	Lower	Upper
97	100		
83	91.7	68.9	103.3
85	57.3	44.8	67.2
99	65.2	47.8	71.8

Manual Integrations
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#56

Ethyl methacrylate

Concen: 50.225 ug/l

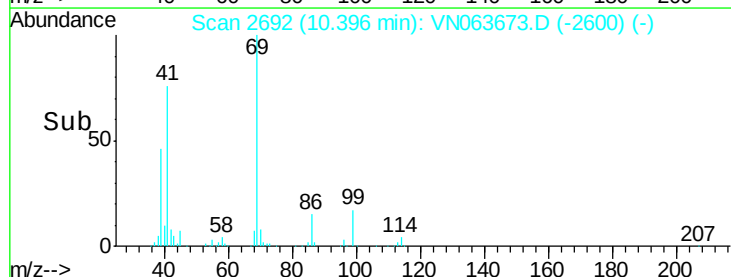
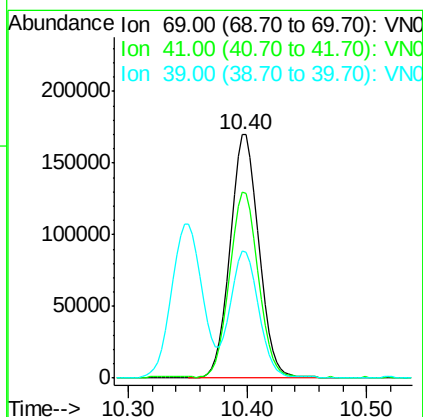
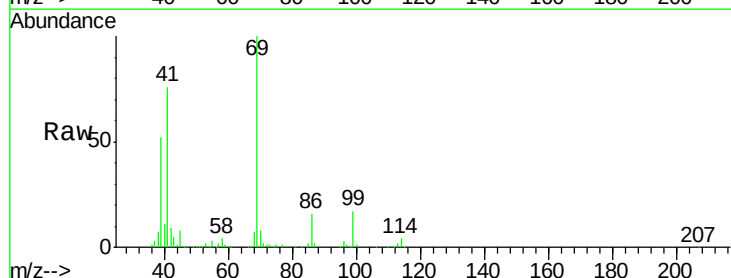
RT: 10.40 min Scan# 2692

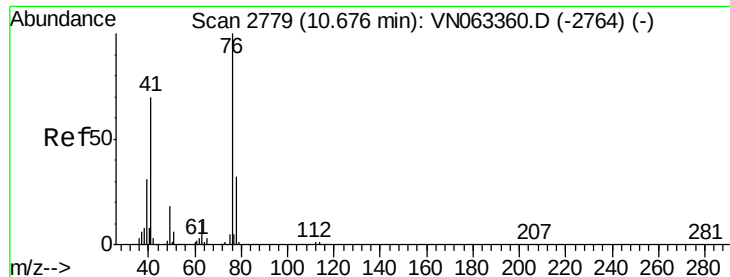
Delta R.T. -0.00 min

Lab File: VN063673.D

Acq: 25 Sep 2020 12:58

Tgt Ion:	69	Resp:	286291
Ion	Ratio	Lower	Upper
69	100		
41	75.4	61.0	91.6
39	50.7	39.2	58.8





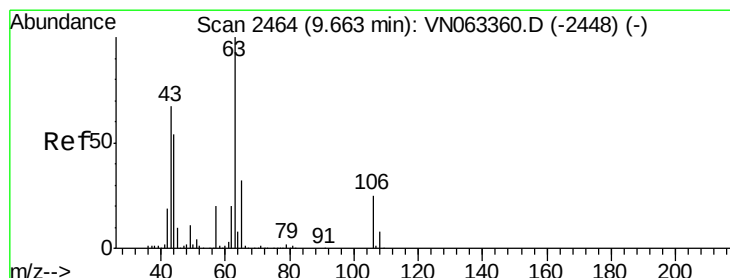
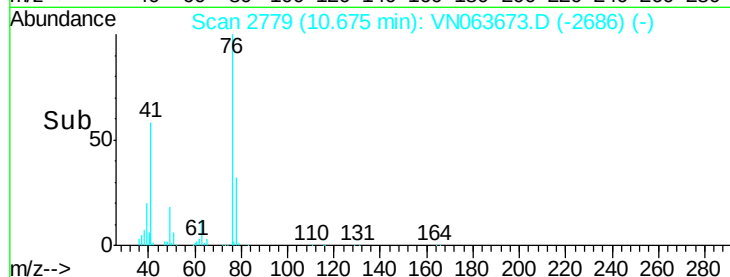
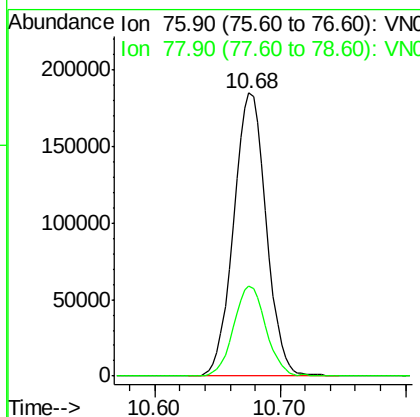
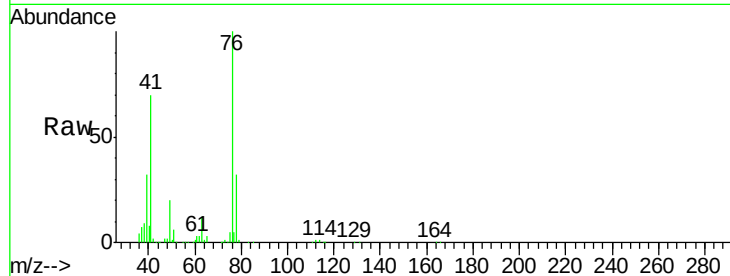
#57
 1,3-Dichloropropane
 Concen: 50.674 ug/l
 RT: 10.68 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN063673.D
 Acq: 25 Sep 2020 12:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.7	25.8	38.8

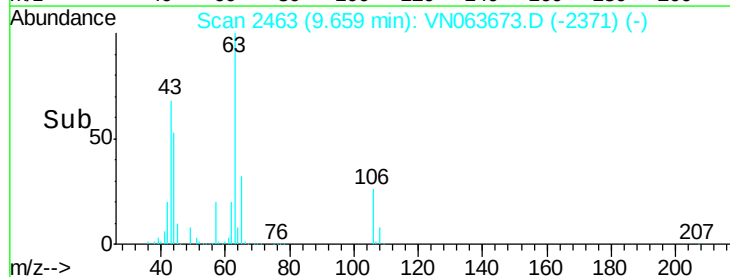
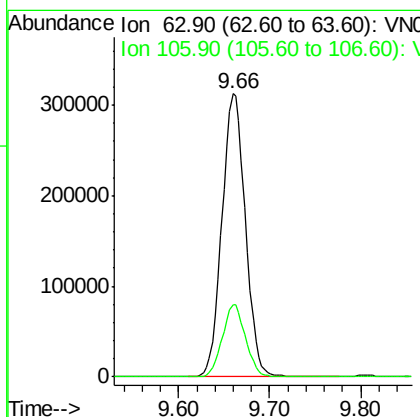
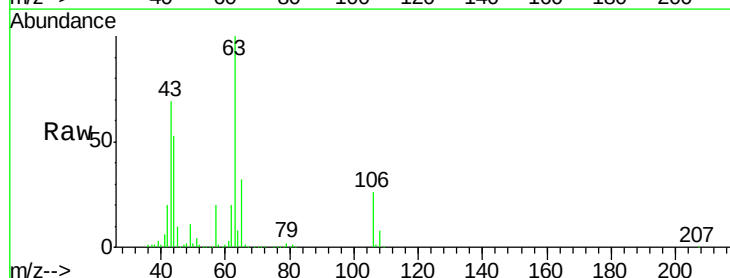
Manual Integrations
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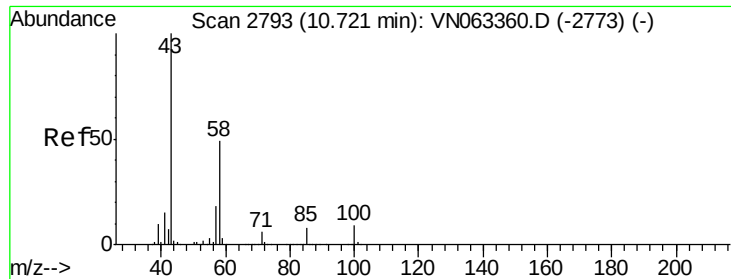
MMDadoda
 9/29/2020 10:40:32 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 187.006 ug/l
 RT: 9.66 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN063673.D
 Acq: 25 Sep 2020 12:58

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.3	19.5	29.3





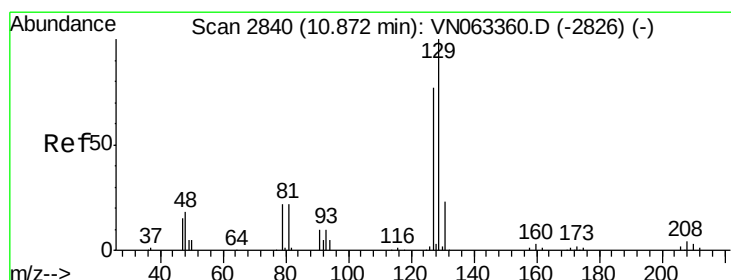
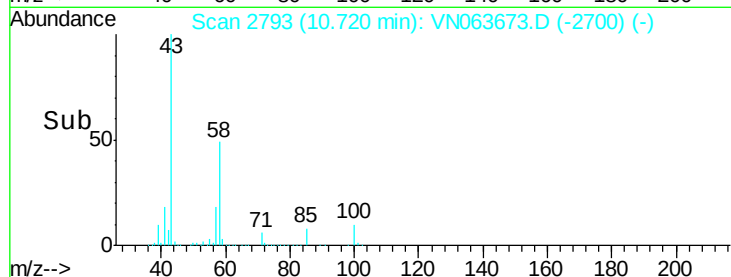
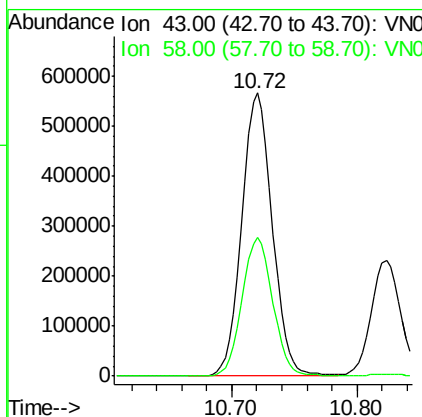
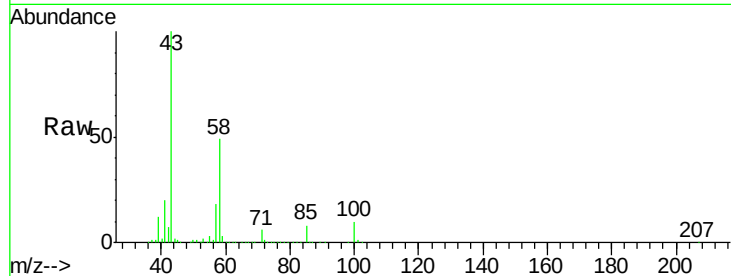
#59
2-Hexanone
Concen: 249.890 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN063673.D
Acq: 25 Sep 2020 12:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 952653
Ion Ratio Lower Upper
43 100
58 49.5 24.7 74.1

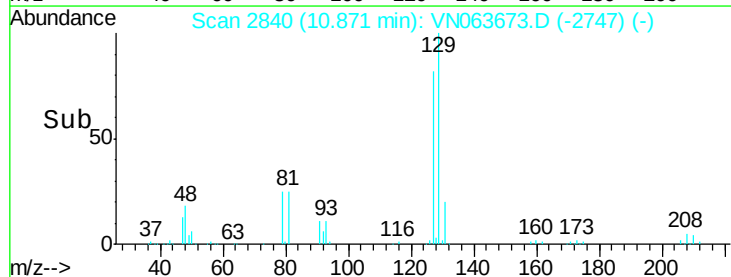
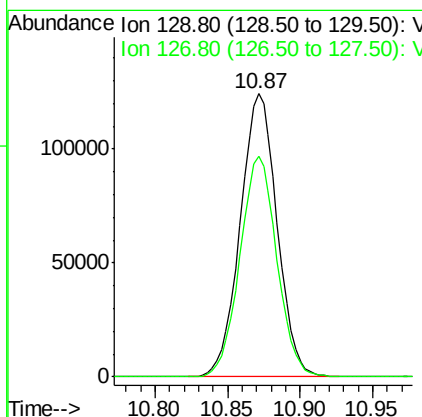
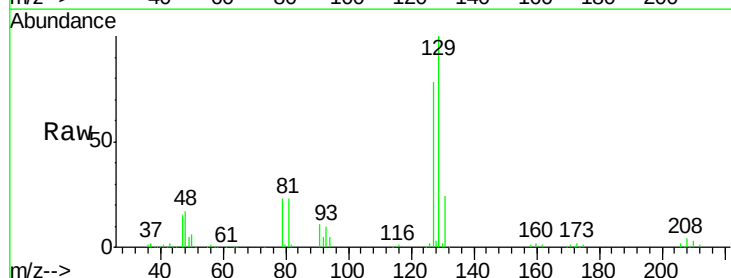
Manual Integrations
APPROVED

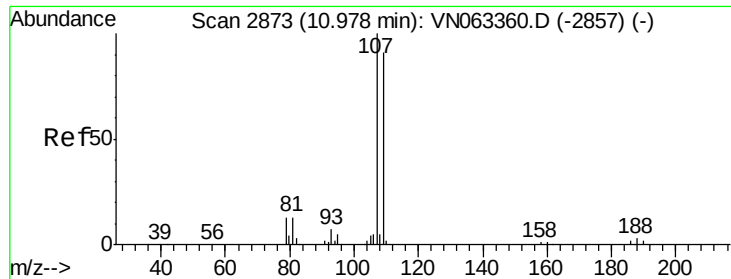
MMDadoda
9/29/2020 10:40:32 AM



#60
Dibromochloromethane
Concen: 53.202 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN063673.D
Acq: 25 Sep 2020 12:58

Tgt Ion: 129 Resp: 219458
Ion Ratio Lower Upper
129 100
127 78.2 39.1 117.3





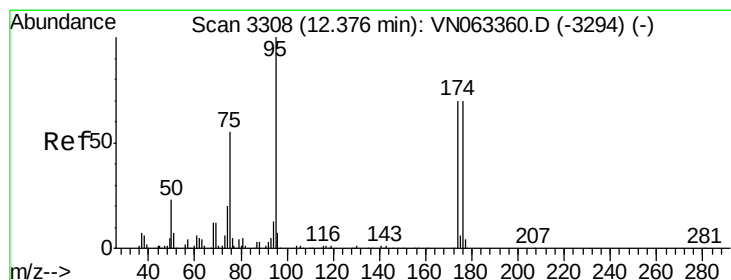
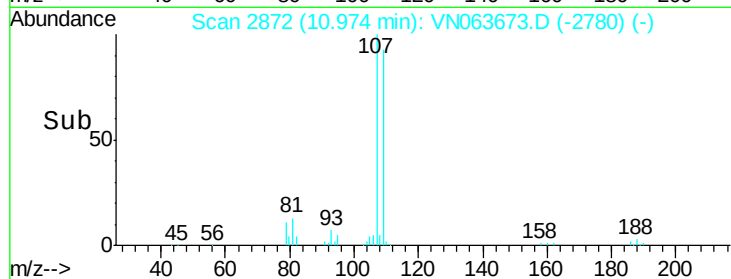
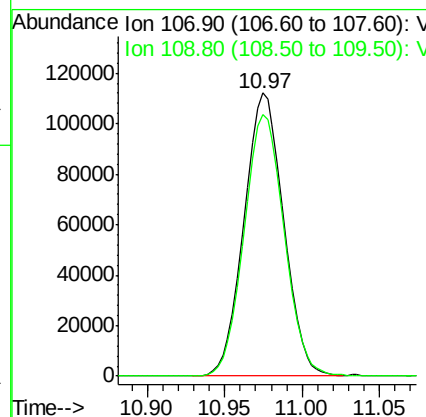
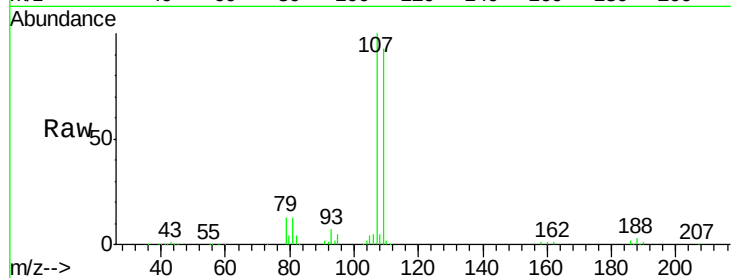
#61
 1,2-Dibromoethane
 Concen: 52.702 ug/l
 RT: 10.97 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN063673.D
 Acq: 25 Sep 2020 12:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	74.6	111.8

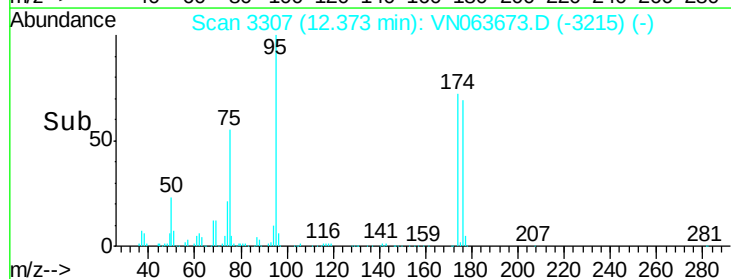
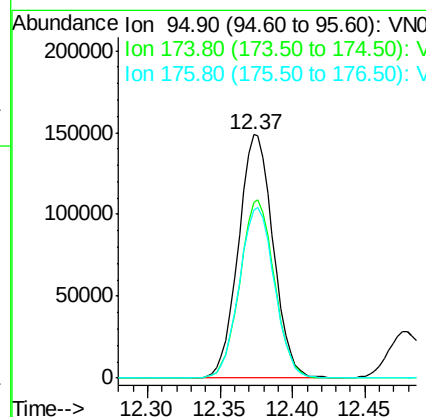
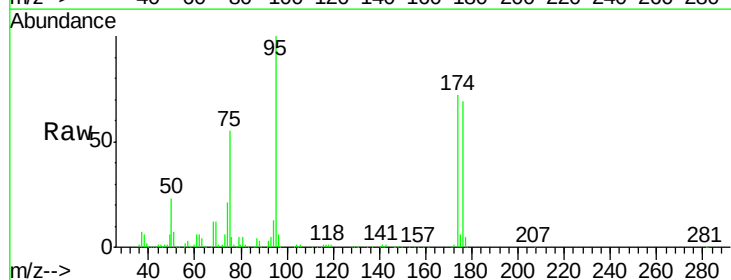
Manual Integrations
 APPROVED

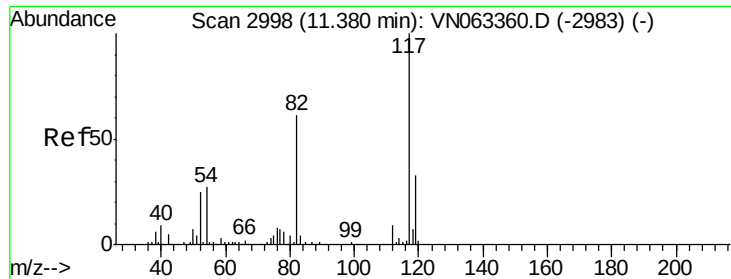
MMDadoda
 9/29/2020 10:40:32 AM



#62
 4-Bromofluorobenzene
 Concen: 51.691 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. -0.00 min
 Lab File: VN063673.D
 Acq: 25 Sep 2020 12:58

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.6	0.0	140.8
176	71.0	0.0	137.6





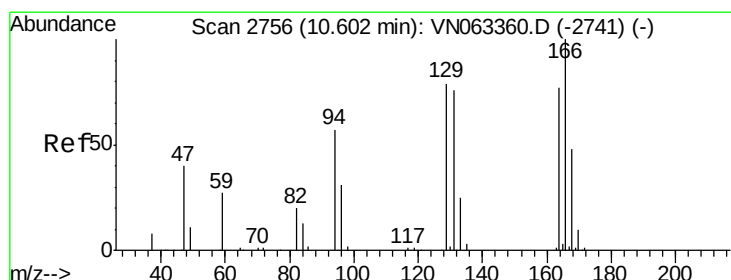
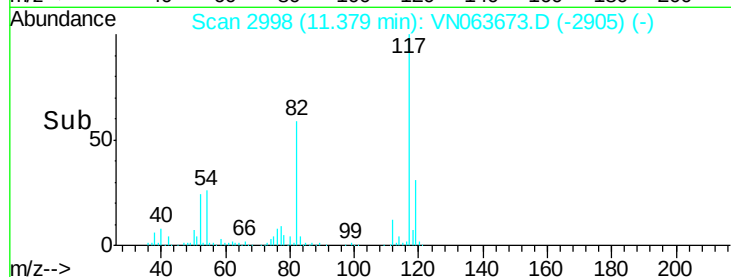
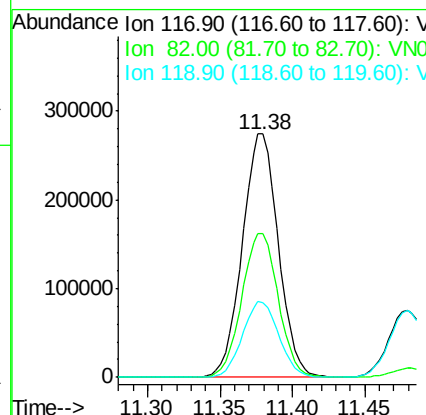
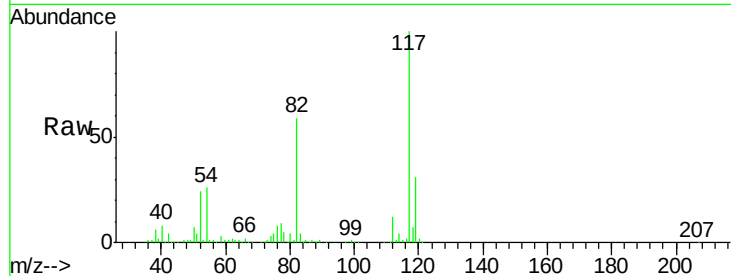
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063673.D
Acq: 25 Sep 2020 12:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	473205		
82	59.0		49.2	73.8
119	30.8		26.2	39.4

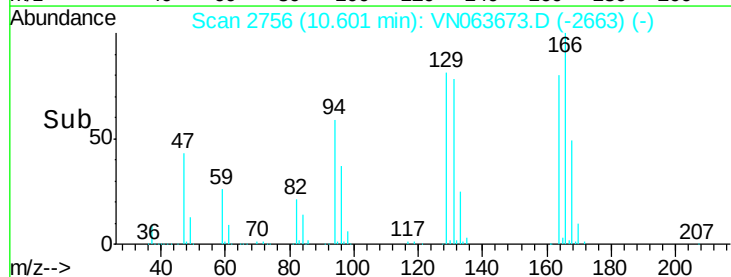
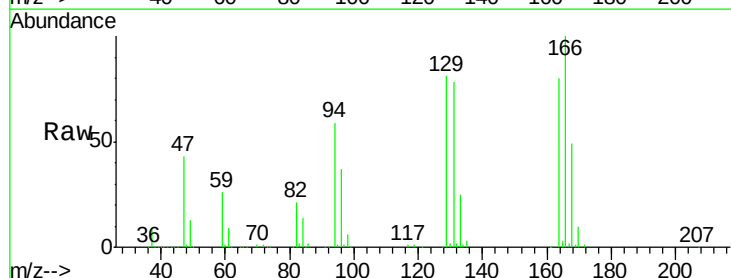
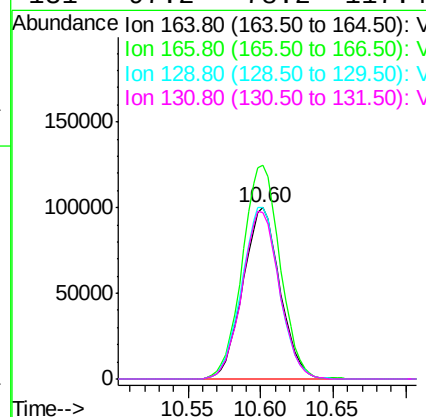
Manual Integrations
APPROVED

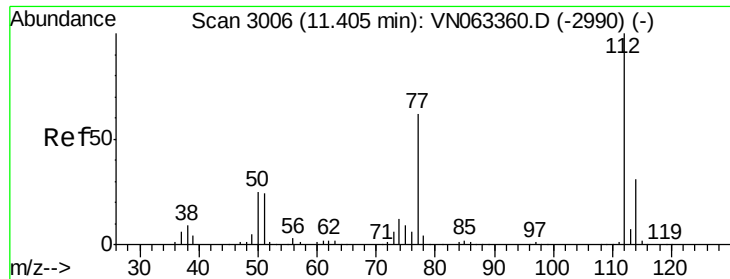
MMDadoda
9/29/2020 10:40:32 AM



#64
Tetrachloroethene
Concen: 55.130 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN063673.D
Acq: 25 Sep 2020 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	177638		
166	124.6		103.4	155.0
129	100.4		81.8	122.6
131	97.2		78.2	117.4





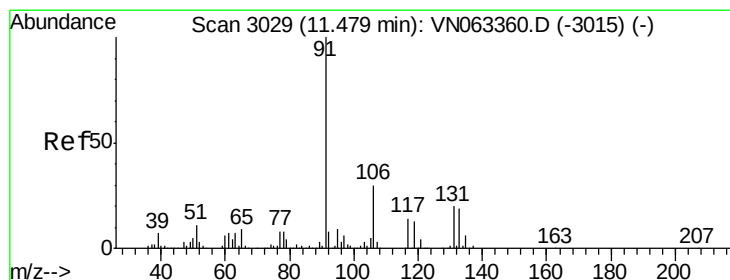
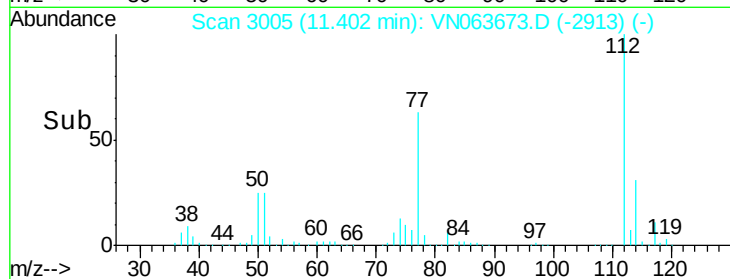
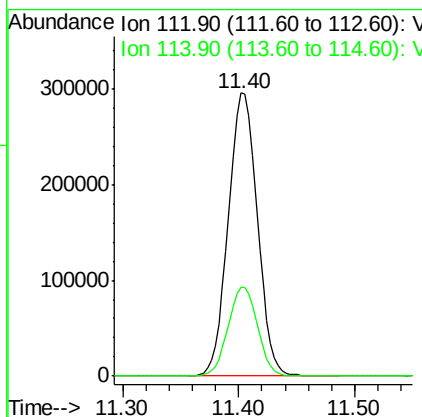
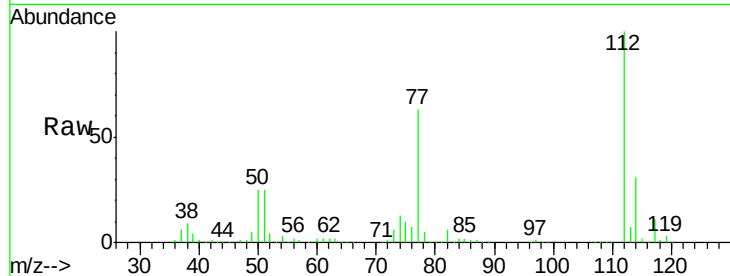
#65
Chlorobenzene
Concen: 51.010 ug/l
RT: 11.40 min Scan# 3005
Delta R.T. -0.00 min
Lab File: VN063673.D
Acq: 25 Sep 2020 12:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.3	25.0	37.6

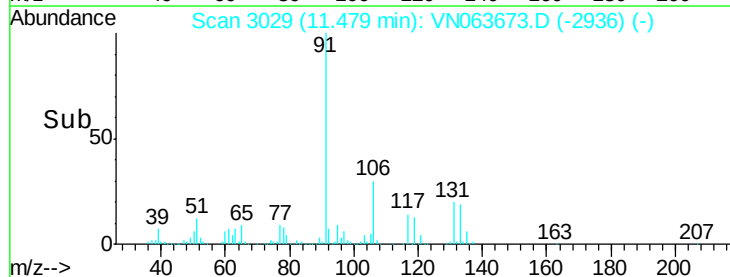
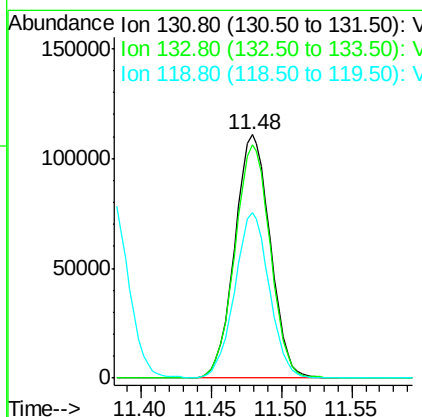
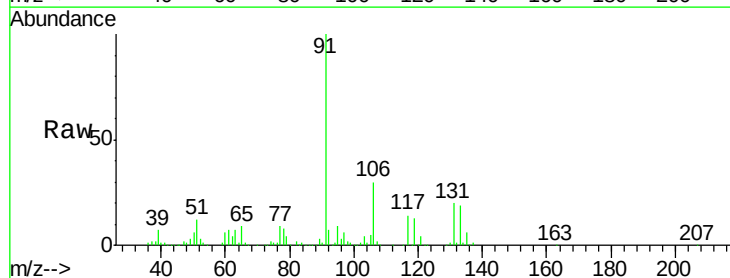
Manual Integrations
APPROVED

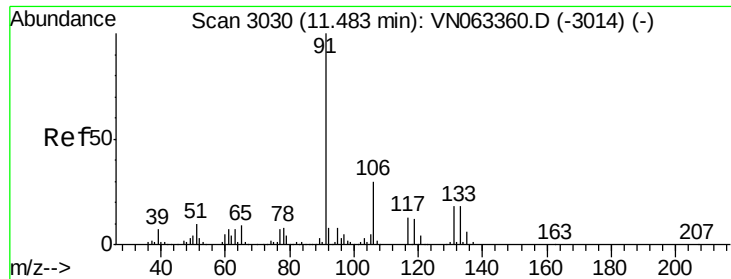
MMDadoda
9/29/2020 10:40:32 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 53.141 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN063673.D
Acq: 25 Sep 2020 12:58

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.5	47.3	141.9
119	66.4	33.6	100.8





#67

Ethyl Benzene

Concen: 51.178 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. -0.00 min

Lab File: VN063673.D

Acq: 25 Sep 2020 12:58

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 968096

Ion Ratio Lower Upper

91 100

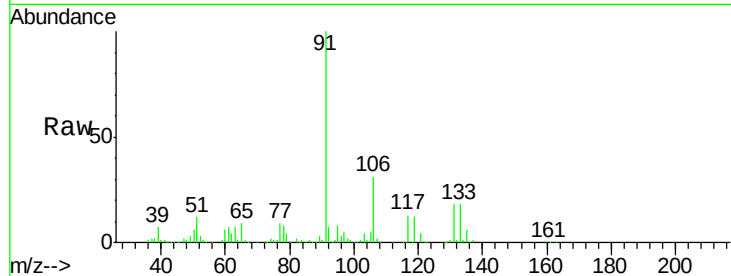
106 30.8 23.8 35.6

Manual Integrations

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MMDadoda

9/29/2020 10:40:32 AM



Abundance Ion 91.00 (90.70 to 91.70): VN063360.D (-3014) (-)

Ion 106.00 (105.70 to 106.70): VN063360.D (-3014) (-)

800000

600000

400000

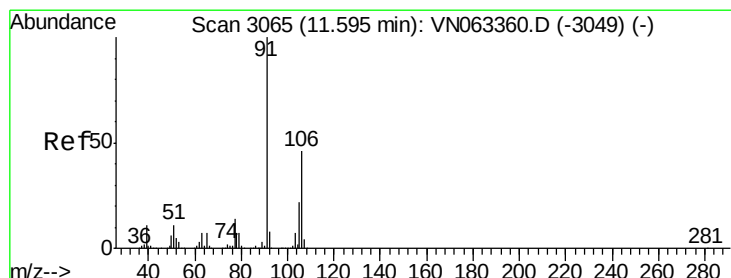
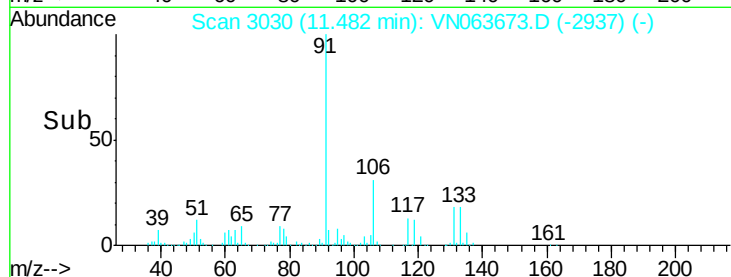
200000

0

11.40

11.50

Time-->



#68

m/p-Xylenes

Concen: 104.863 ug/l

RT: 11.59 min Scan# 3064

Delta R.T. -0.00 min

Lab File: VN063673.D

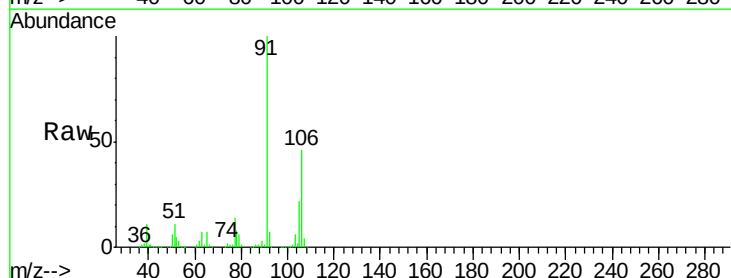
Acq: 25 Sep 2020 12:58

Tgt Ion: 106 Resp: 715196

Ion Ratio Lower Upper

106 100

91 213.0 171.2 256.8



Abundance Ion 106.00 (105.70 to 106.70): VN063360.D (-3049) (-)

Ion 91.00 (90.70 to 91.70): VN063360.D (-3049) (-)

800000

600000

400000

200000

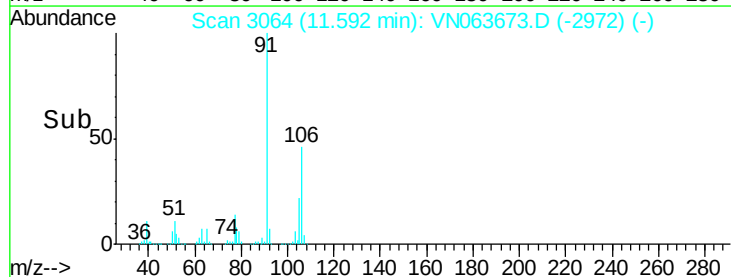
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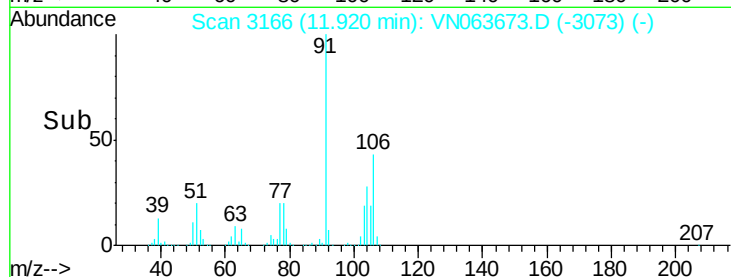
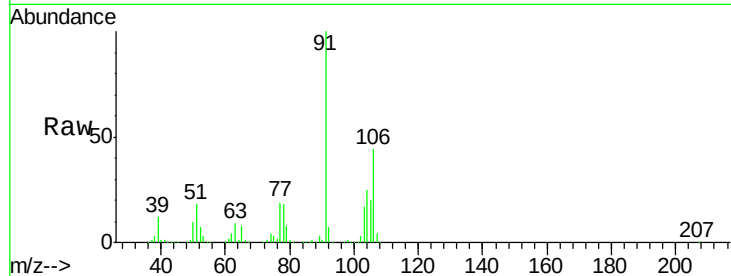
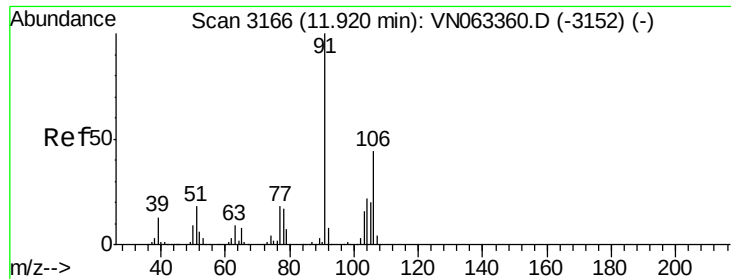
11.50

11.60

11.70

Time-->





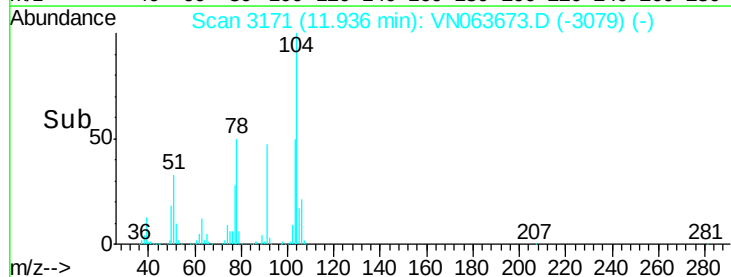
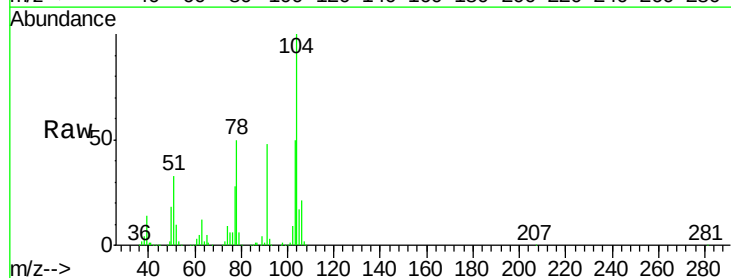
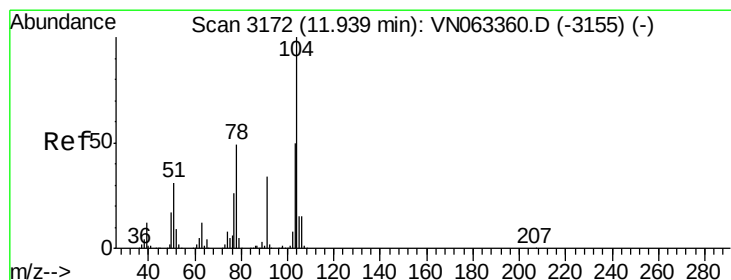
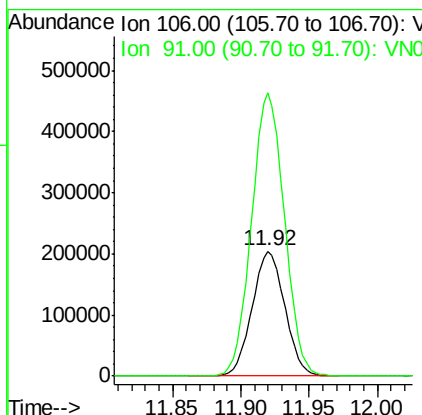
#69
o-Xylene
Concen: 52.273 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN063673.D
Acq: 25 Sep 2020 12:58

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	339622		
91	91	228.4	113.6	340.8	

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

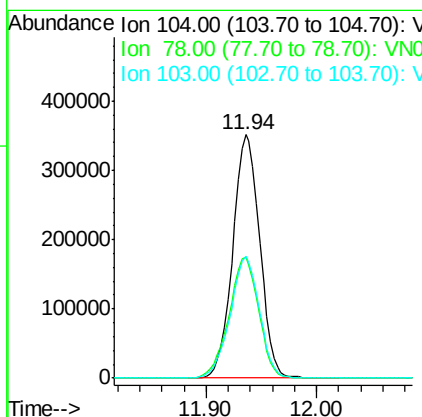
Manual Integrations
APPROVED

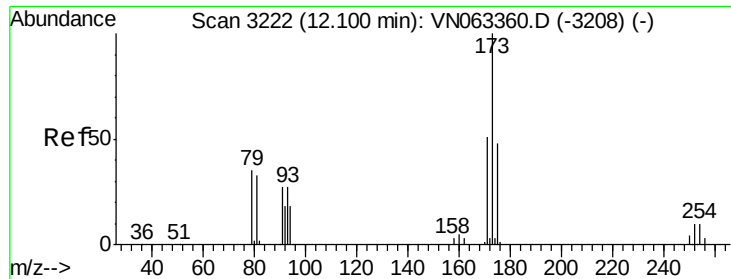
MMDadoda
9/29/2020 10:40:32 AM



#70
Styrene
Concen: 54.758 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN063673.D
Acq: 25 Sep 2020 12:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	596615		
78	78	54.6	44.4	66.6	
103	103	53.9	43.7	65.5	





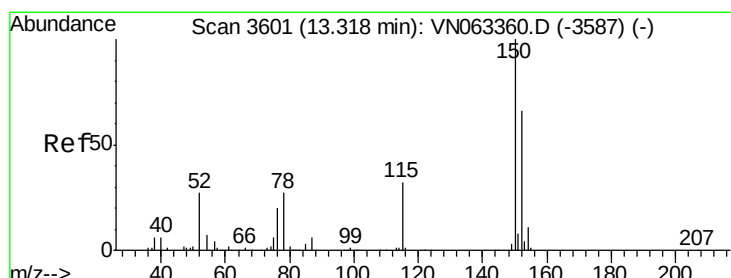
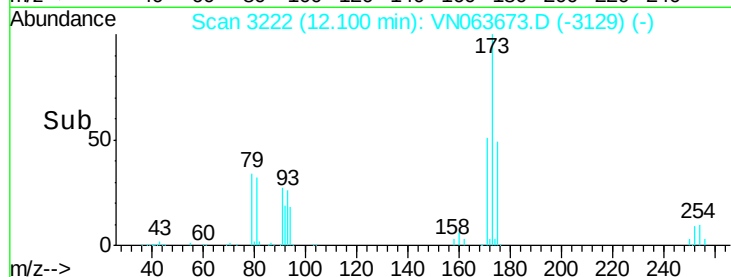
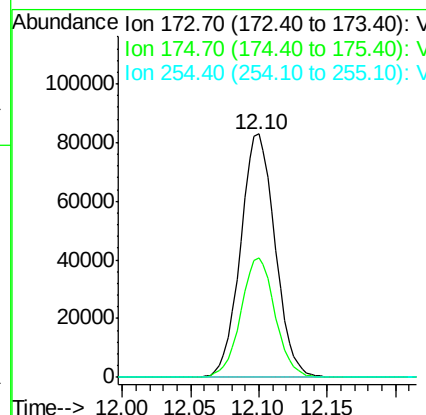
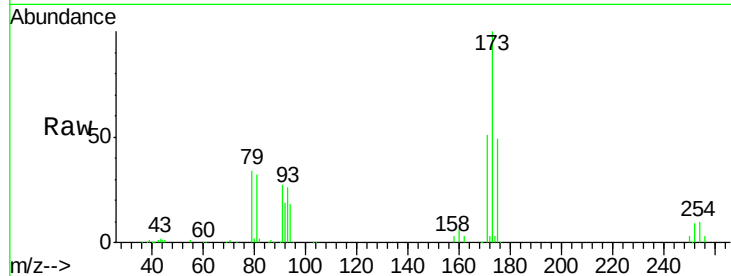
#71
Bromoform
Concen: 53.231 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN063673.D
Acq: 25 Sep 2020 12:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.0	72.0
254	0.0	0.0	0.0

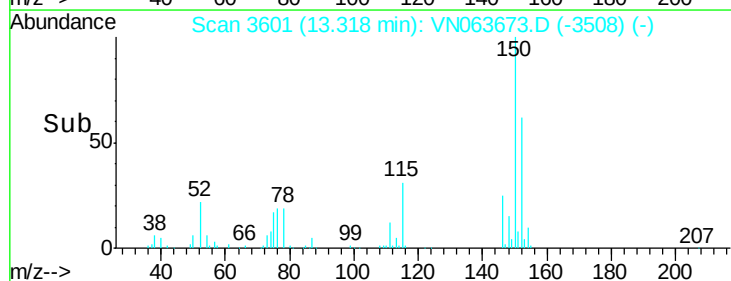
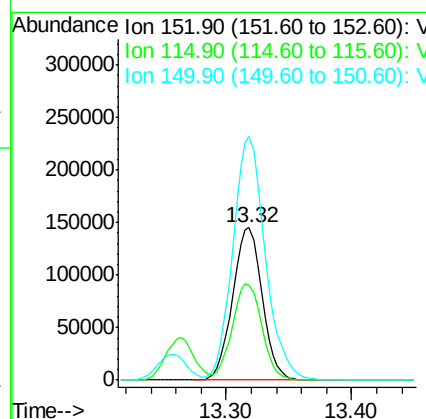
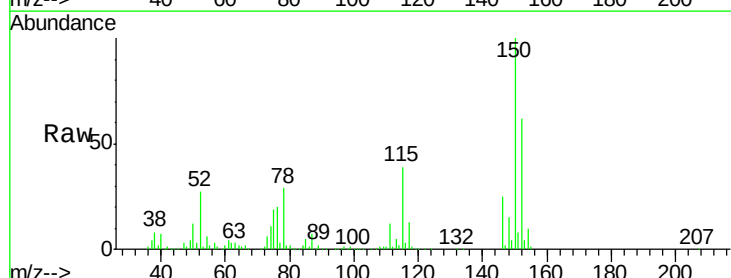
Manual Integrations
APPROVED

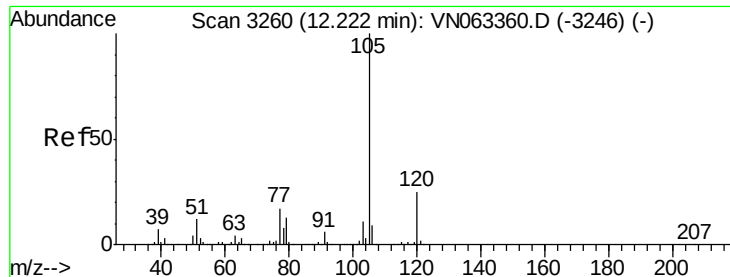
MMDadoda
9/29/2020 10:40:32 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. -0.00 min
Lab File: VN063673.D
Acq: 25 Sep 2020 12:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.9	32.2	96.6
150	174.2	0.0	343.4





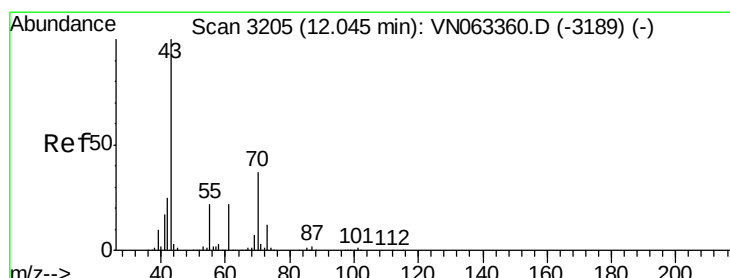
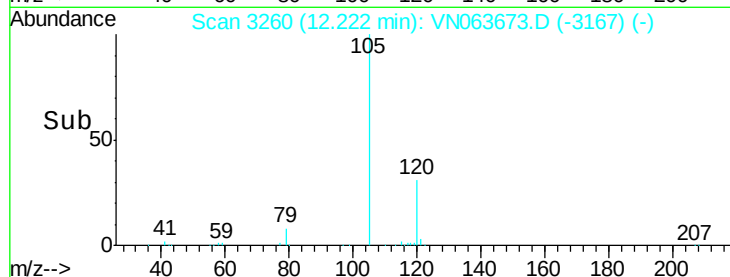
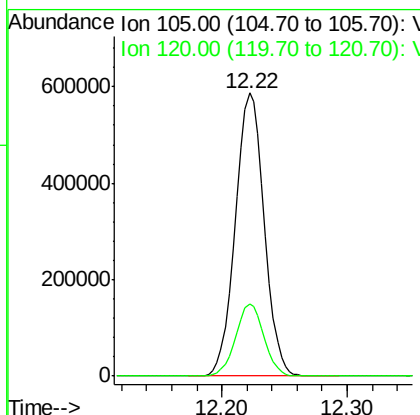
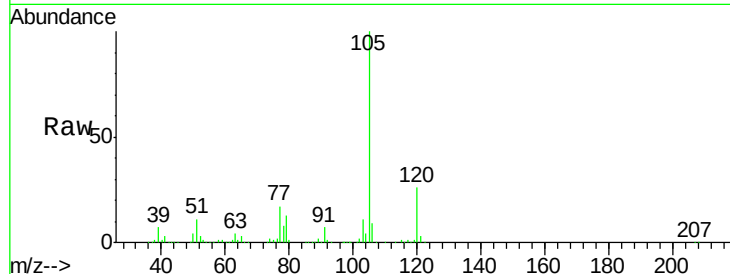
#73
Isopropylbenzene
Concen: 49.180 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. -0.00 min
Lab File: VN063673.D
Acq: 25 Sep 2020 12:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.1	12.7	38.0

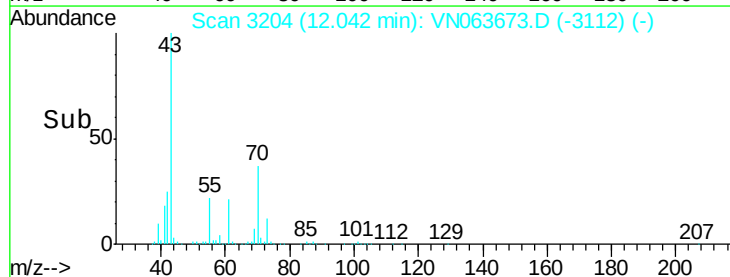
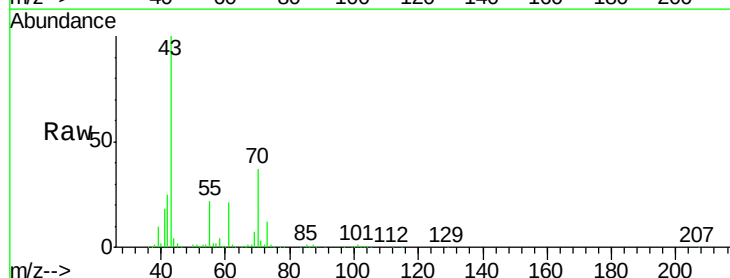
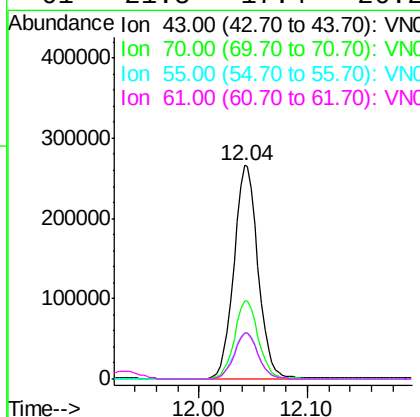
Manual Integrations
APPROVED

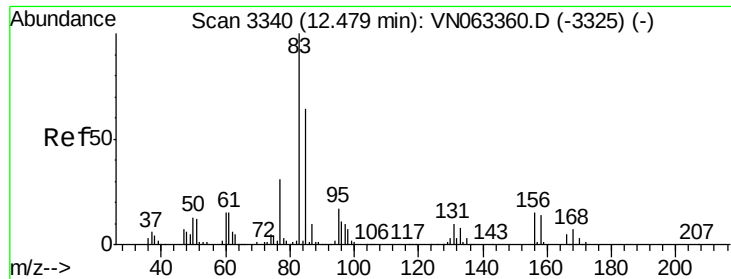
MMDadoda
9/29/2020 10:40:32 AM



#74
N-ethyl acetate
Concen: 46.059 ug/l
RT: 12.04 min Scan# 3204
Delta R.T. -0.00 min
Lab File: VN063673.D
Acq: 25 Sep 2020 12:58

Tgt Ion	Ratio	Lower	Upper
43	100		
70	36.7	29.6	44.4
55	22.4	17.7	26.5
61	21.5	17.4	26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 46.204 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN063673.D

Acq: 25 Sep 2020 12:58

Instrument :

MSVOA_N

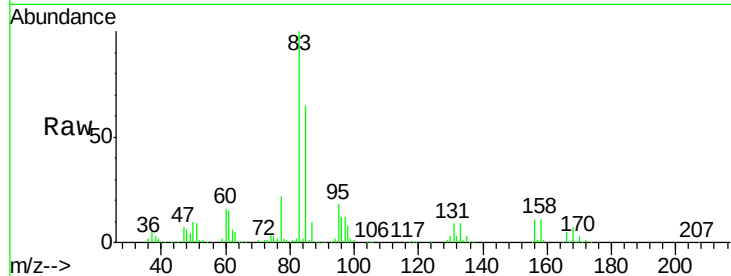
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	272077
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.9	14.7
85	63.9	32.0	96.0

Manual Integrations
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MMDadoda
9/29/2020 10:40:32 AM



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) (-)

12.48

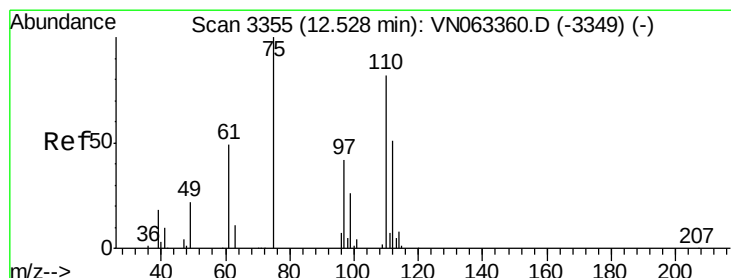
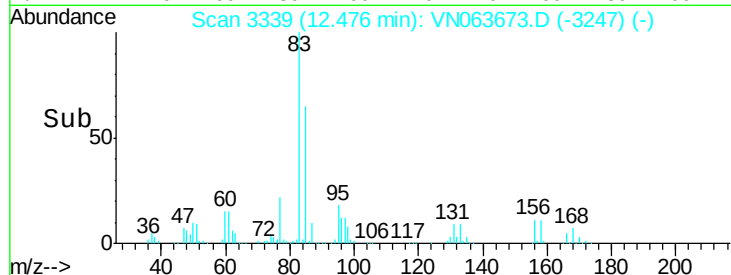
150000

100000

50000

0

Time--> 12.40 12.45 12.50



#76

1,2,3-Trichloropropane

Concen: 44.326 ug/l m

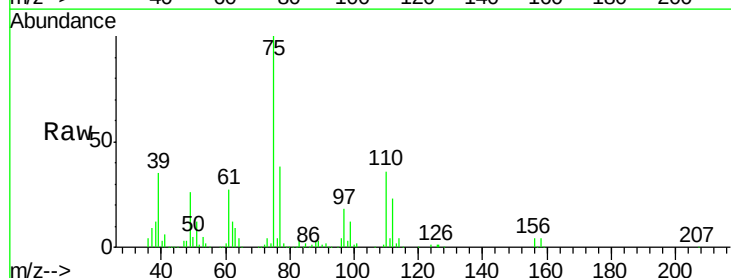
RT: 12.53 min Scan# 3355

Delta R.T. -0.00 min

Lab File: VN063673.D

Acq: 25 Sep 2020 12:58

Tgt Ion:	75	Resp:	260383
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) (-)

250000

200000

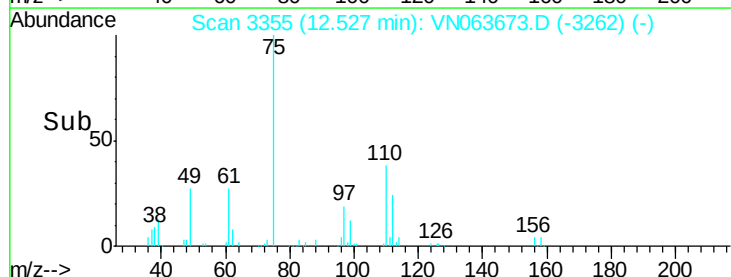
150000

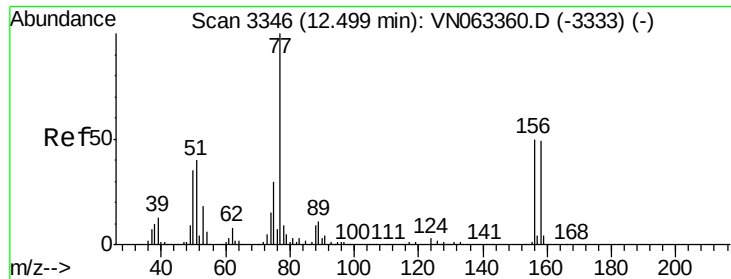
100000

50000

0

Time--> 12.50 12.52 12.54 12.56





#77

Bromobenzene

Concen: 51.475 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN063673.D

Acq: 25 Sep 2020 12:58

Instrument :

MSVOA_N

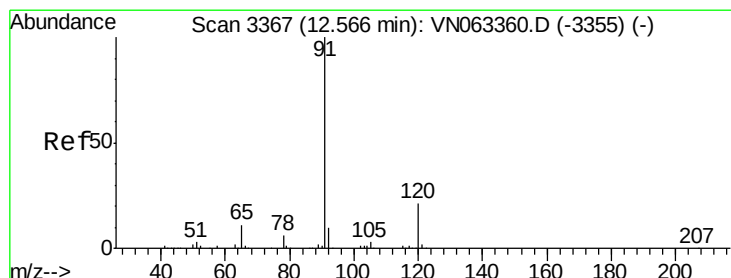
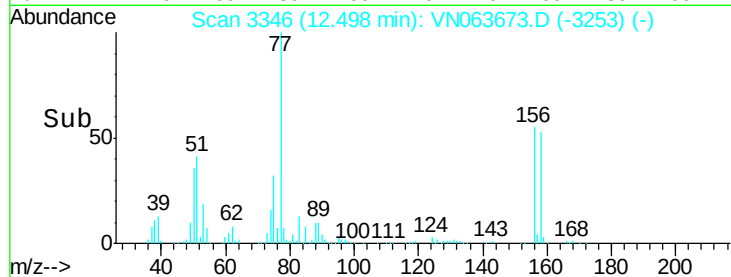
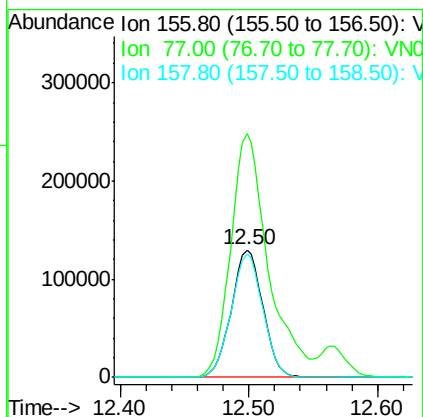
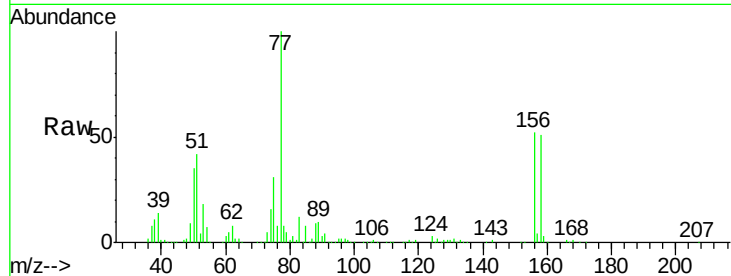
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	227.8	120.2	360.6
158	97.2	48.9	146.6

Manual Integrations
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#78

n-propylbenzene

Concen: 50.036 ug/l

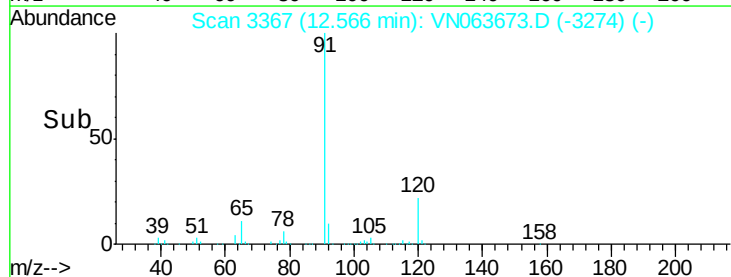
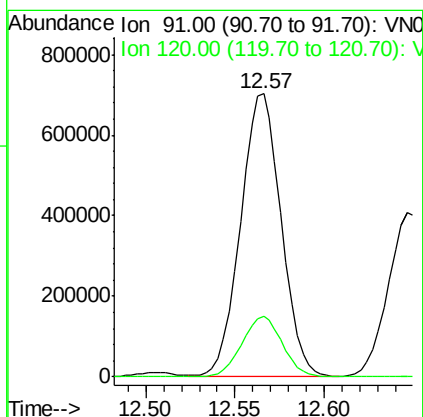
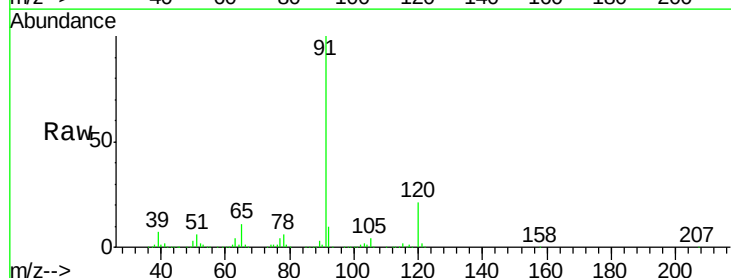
RT: 12.57 min Scan# 3367

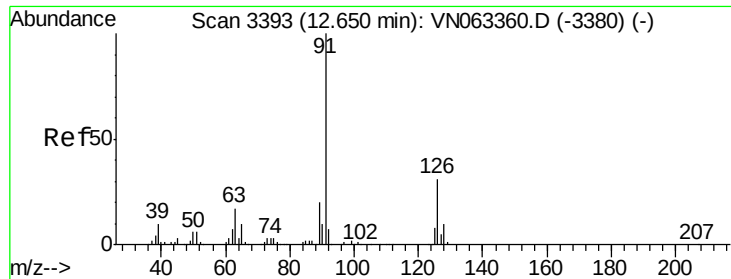
Delta R.T. -0.00 min

Lab File: VN063673.D

Acq: 25 Sep 2020 12:58

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.4	10.8	32.3





#79

2-Chlorotoluene

Concen: 49.960 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN063673.D

Acq: 25 Sep 2020 12:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 663391

Ion Ratio Lower Upper

91 100

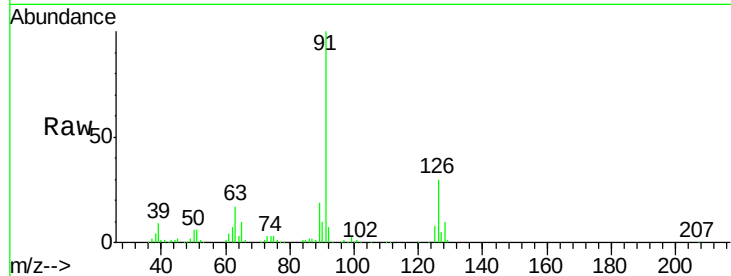
126 31.7 15.8 47.3

Manual Integrations

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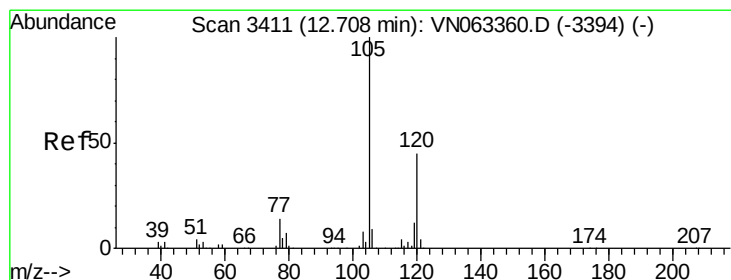
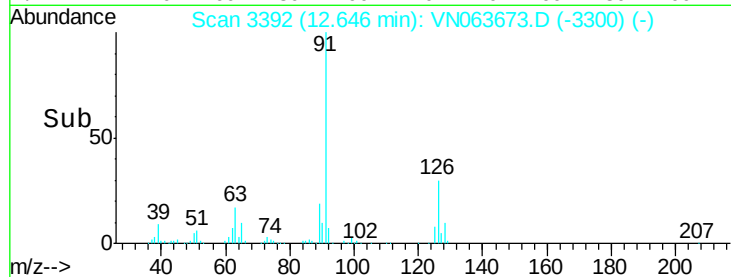
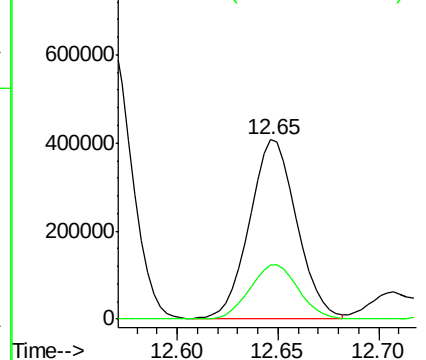
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Abundance Ion 91.00 (90.70 to 91.70): VN063360.D (-3380) (-)

Ion 125.90 (125.60 to 126.60): VN063360.D (-3380) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.675 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN063673.D

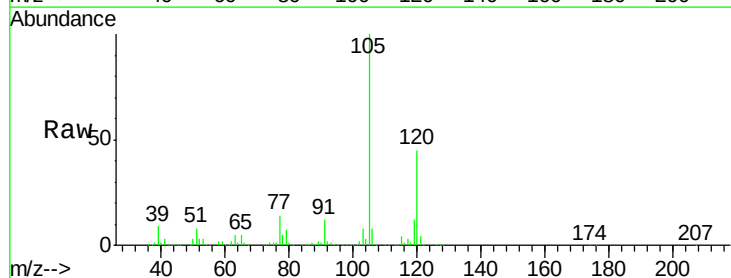
Acq: 25 Sep 2020 12:58

Tgt Ion: 105 Resp: 803634

Ion Ratio Lower Upper

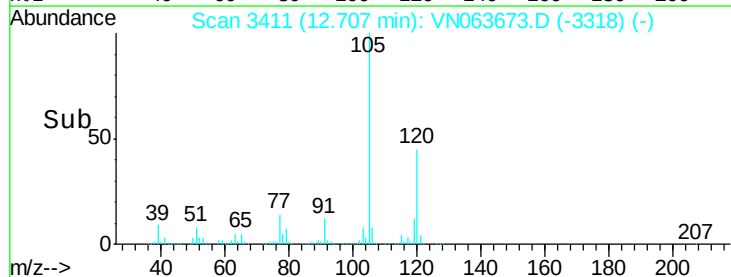
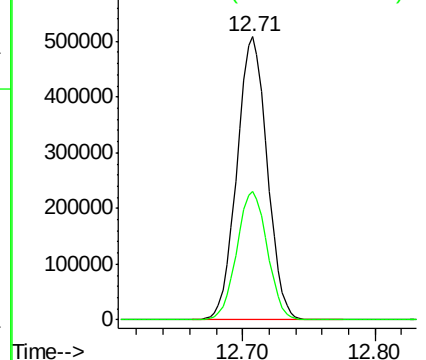
105 100

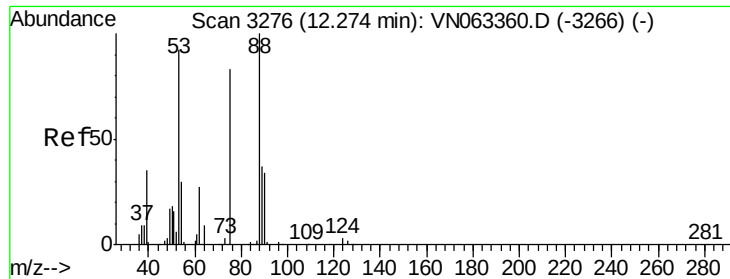
120 45.8 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): VN063360.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN063360.D (-3394) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 44.627 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. -0.00 min

Lab File: VN063673.D

Acq: 25 Sep 2020 12:58

Instrument :

MSVOA_N

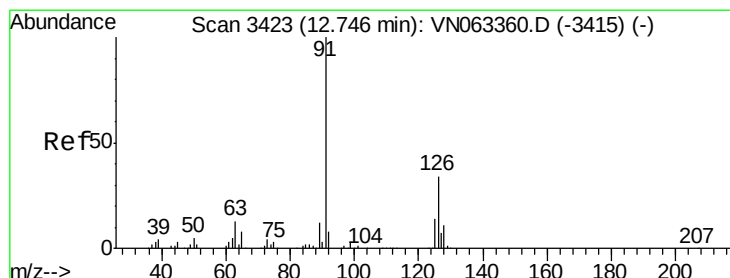
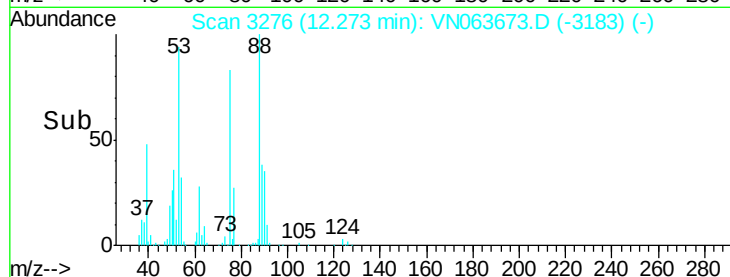
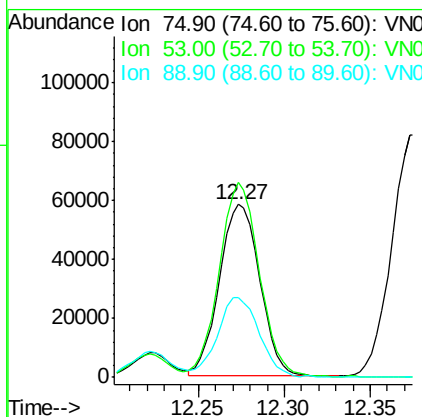
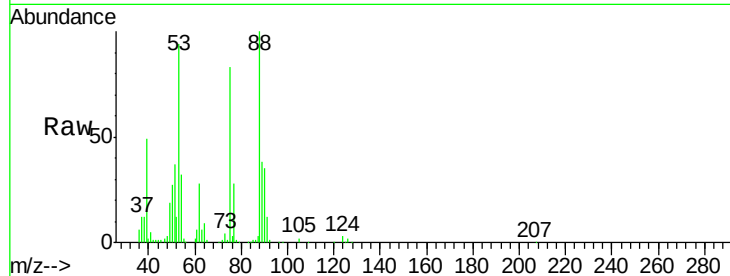
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	95618
Ion	Ratio	Lower	Upper
75	100		
53	112.1	85.7	128.5
89	48.4	38.0	57.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 50.909 ug/l

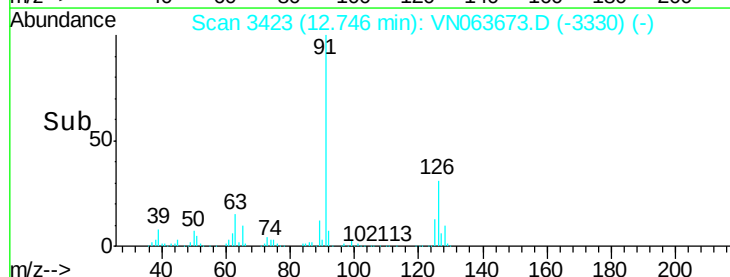
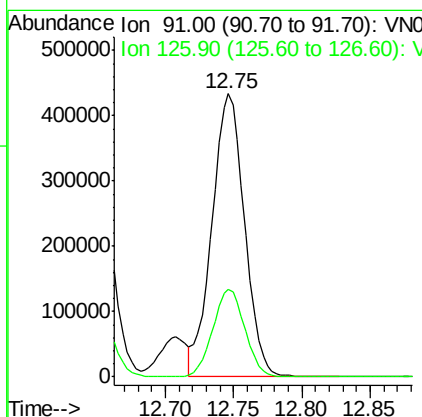
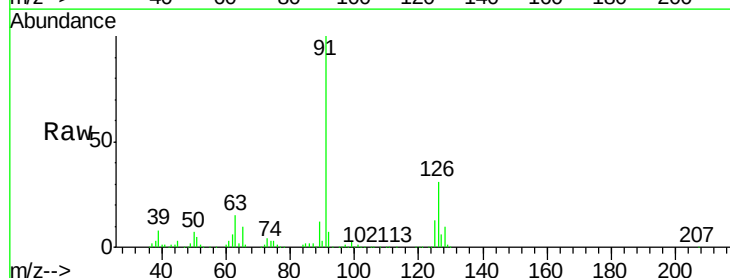
RT: 12.75 min Scan# 3423

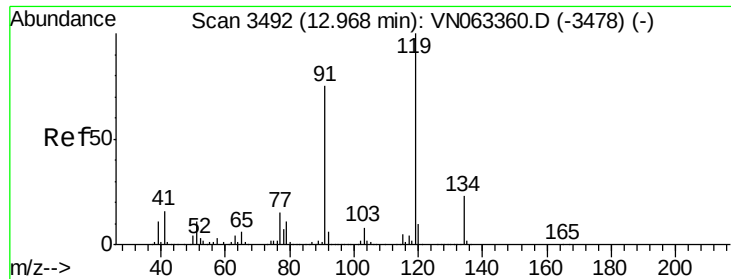
Delta R.T. -0.00 min

Lab File: VN063673.D

Acq: 25 Sep 2020 12:58

Tgt Ion:	91	Resp:	714228
Ion	Ratio	Lower	Upper
91	100		
126	30.5	15.5	46.5





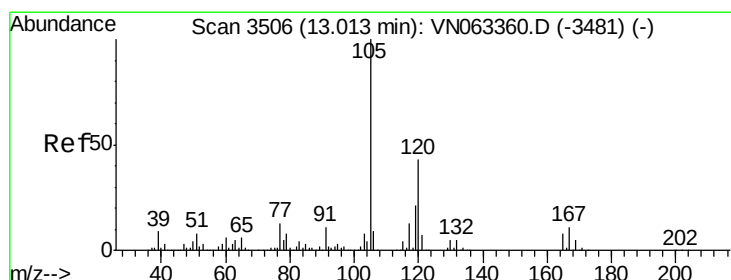
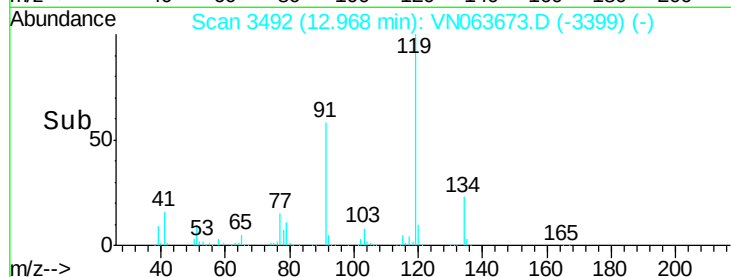
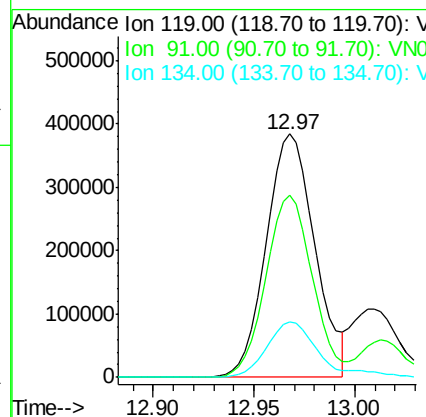
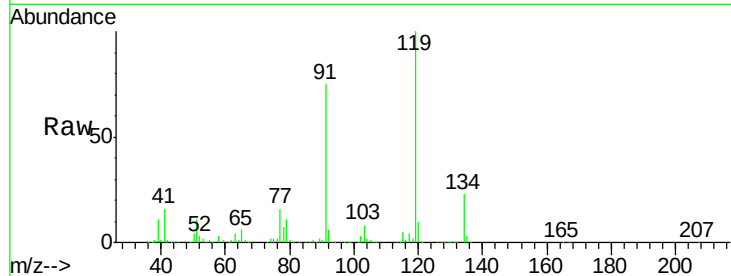
#83
tert-Butylbenzene
Concen: 49.263 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN063673.D
Acq: 25 Sep 2020 12:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	71.9	36.3	108.9
134	24.5	12.3	36.8

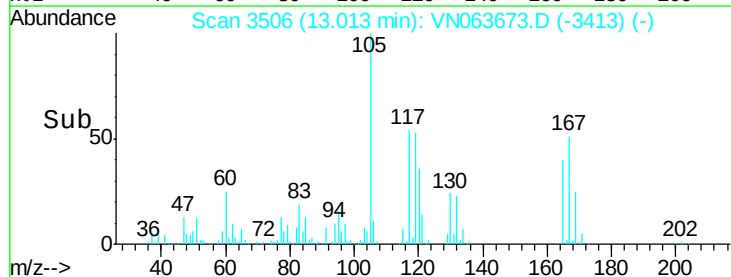
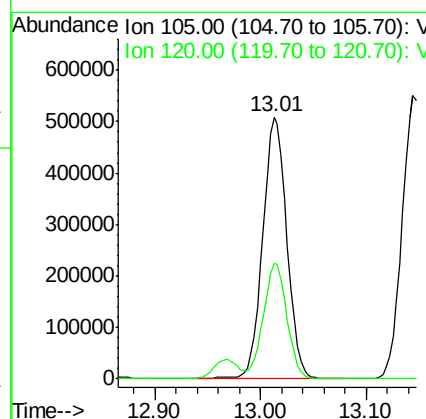
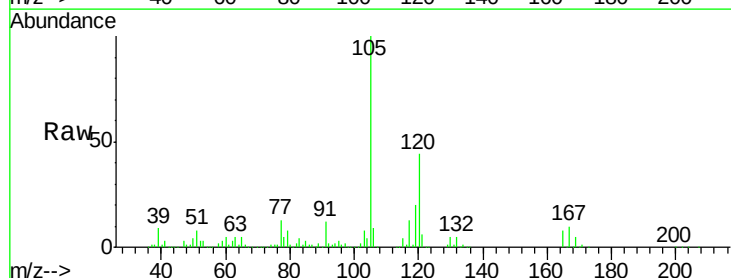
Manual Integrations
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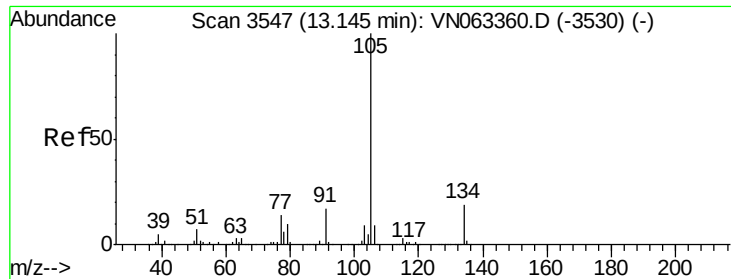
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 50.714 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN063673.D
Acq: 25 Sep 2020 12:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.3	21.3	63.9





#85

sec-Butylbenzene

Concen: 49.792 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN063673.D

Acq: 25 Sep 2020 12:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 872365

Ion Ratio Lower Upper

105 100

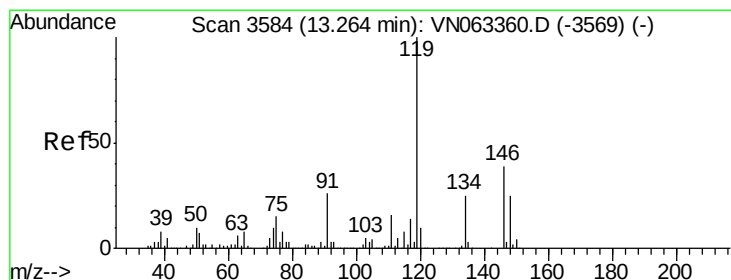
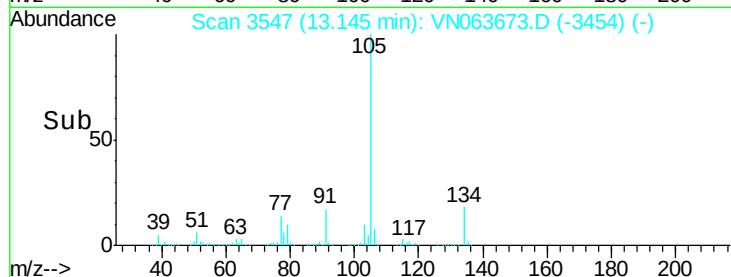
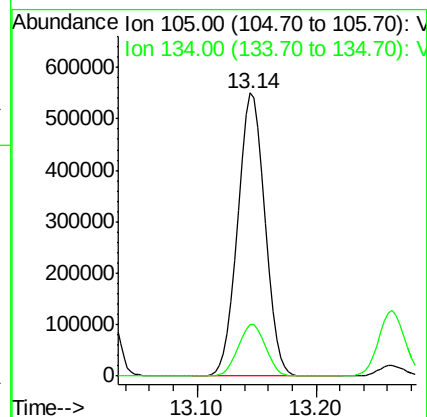
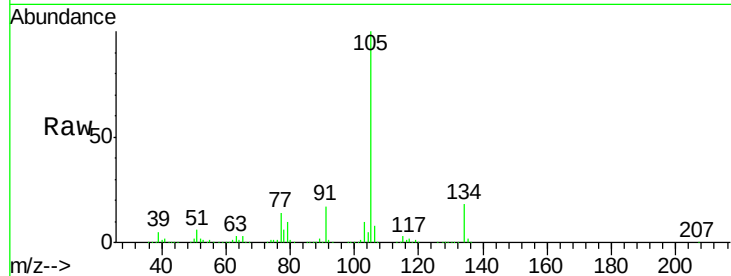
134 18.6 9.3 27.7

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 50.658 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN063673.D

Acq: 25 Sep 2020 12:58

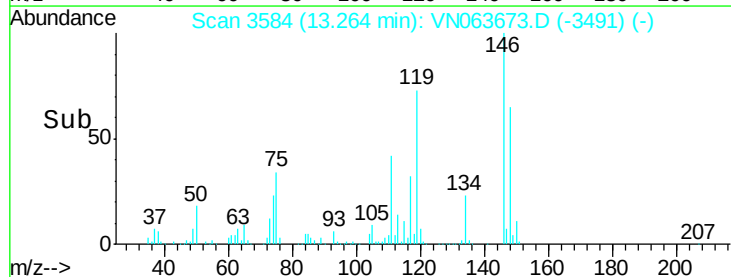
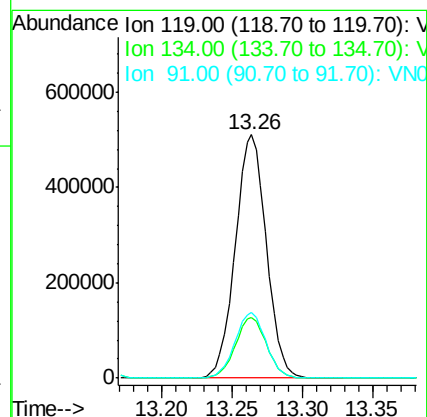
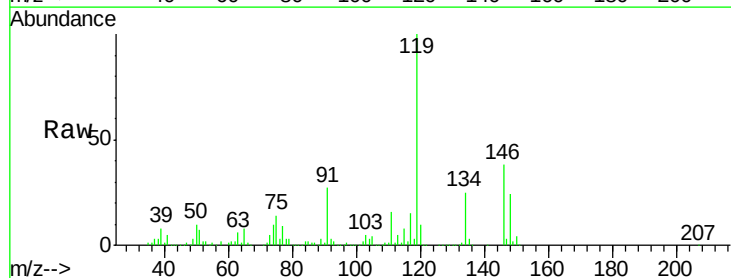
Tgt Ion:119 Resp: 782827

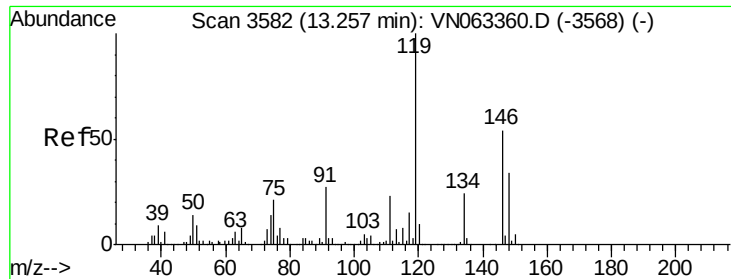
Ion Ratio Lower Upper

119 100

134 25.1 12.5 37.5

91 27.0 13.4 40.1





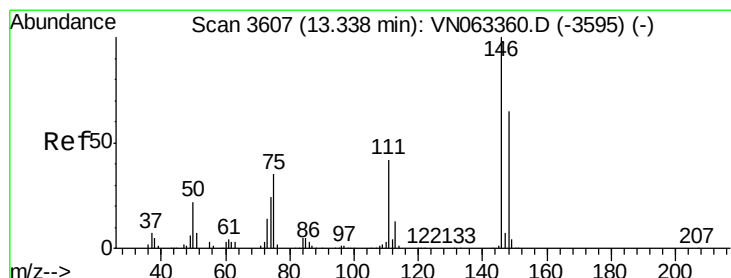
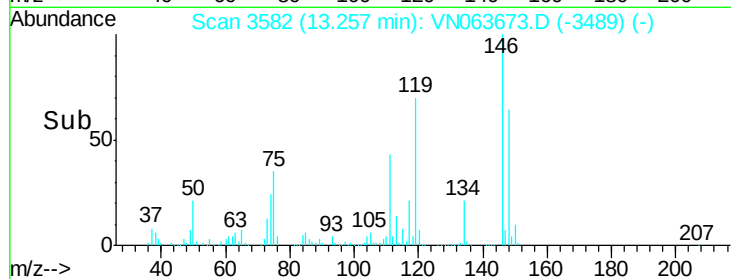
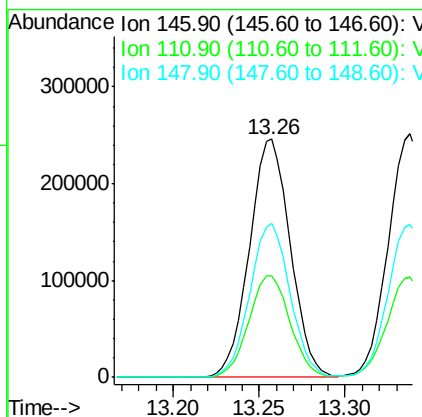
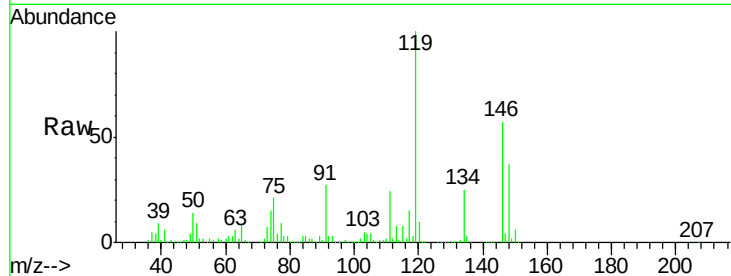
#87
 1,3-Dichlorobenzene
 Concen: 51.105 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN063673.D
 Acq: 25 Sep 2020 12:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.4	64.3
148	63.7	31.9	95.7

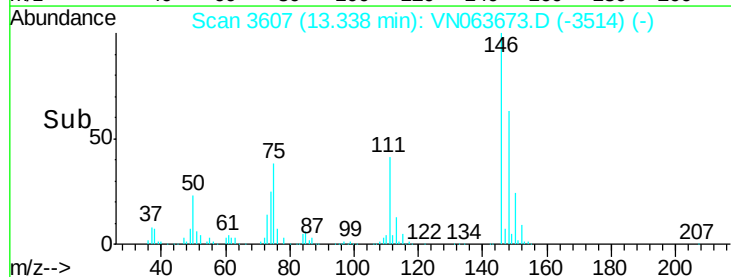
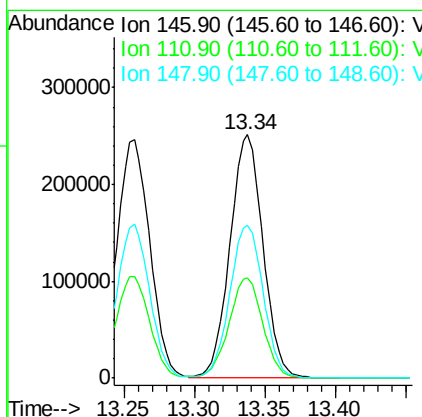
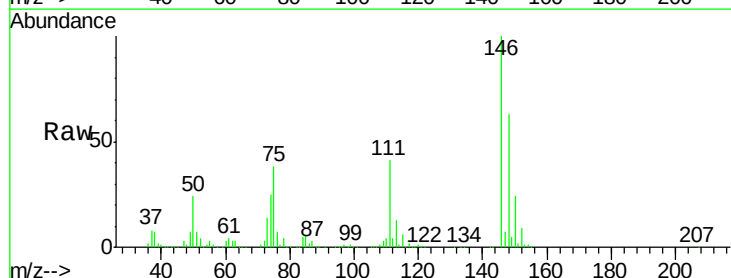
Manual Integrations
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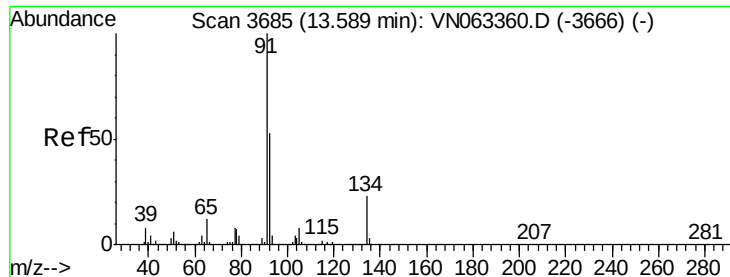
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#88
 1,4-Dichlorobenzene
 Concen: 51.096 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN063673.D
 Acq: 25 Sep 2020 12:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.2	63.6
148	63.9	31.9	95.9





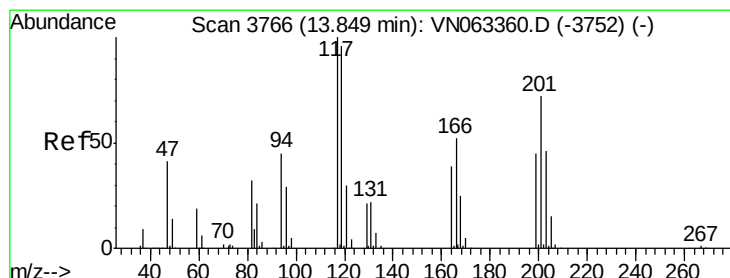
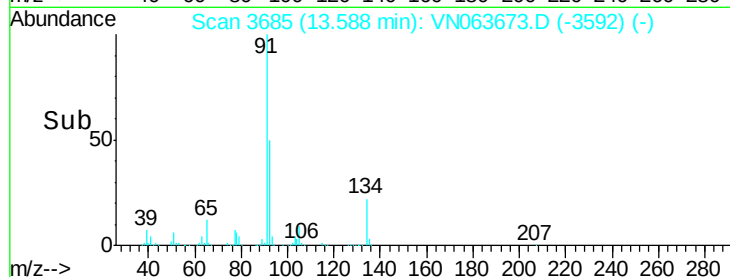
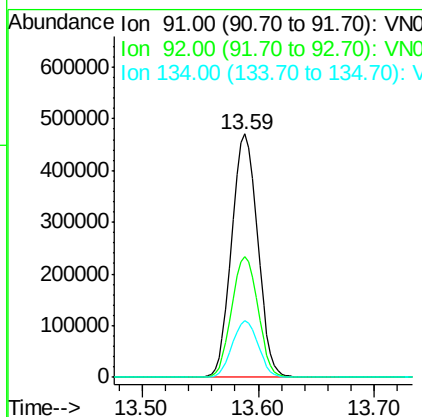
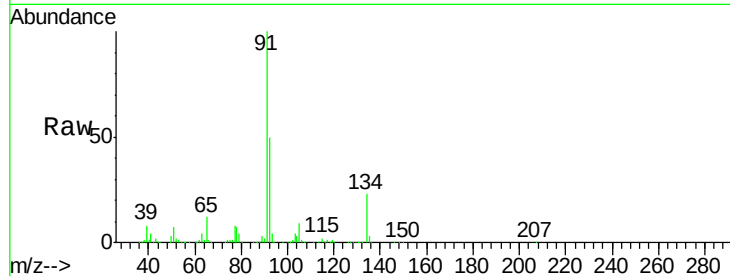
#89
n-Butylbenzene
Concen: 51.233 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN063673.D
Acq: 25 Sep 2020 12:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		729757		
92	50.1	26.0	78.0		
134	23.2	11.7	35.0		

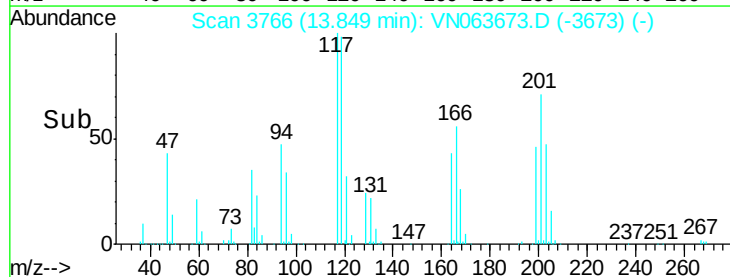
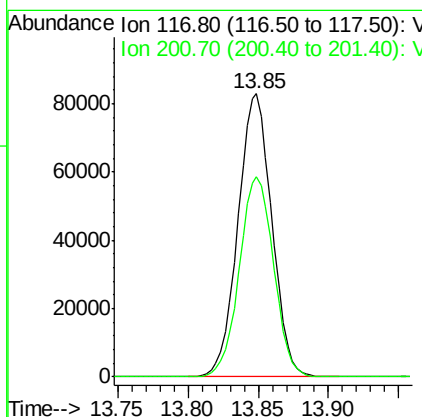
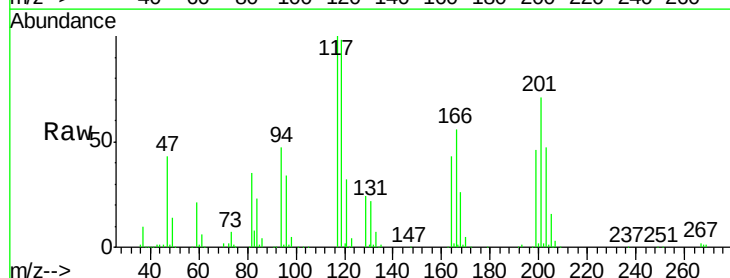
Manual Integrations
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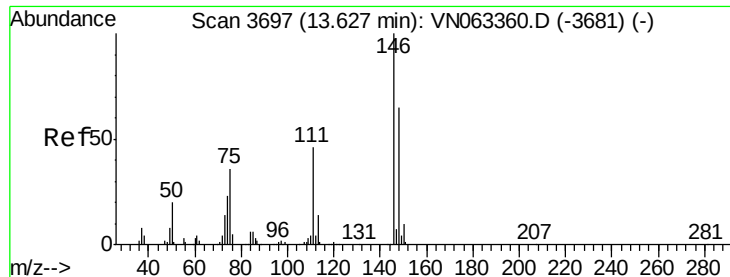
MMDadoda
9/29/2020 10:40:32 AM



#90
Hexachloroethane
Concen: 47.428 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN063673.D
Acq: 25 Sep 2020 12:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		139557		
201	71.6	35.5	106.7		





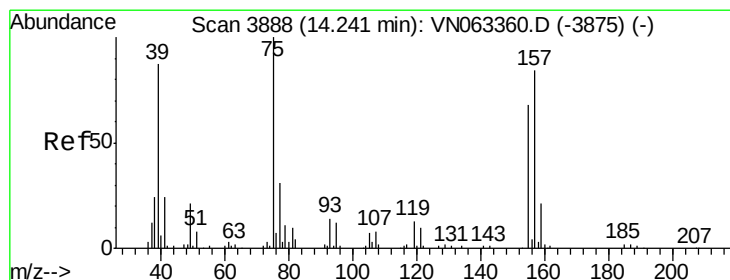
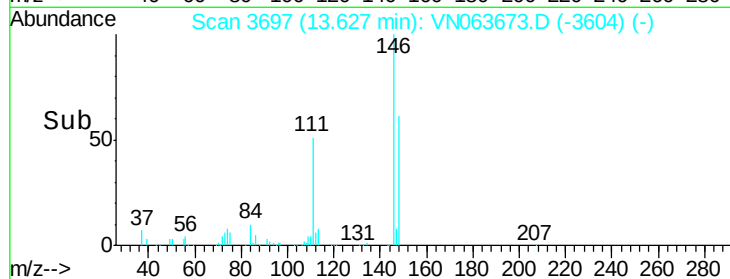
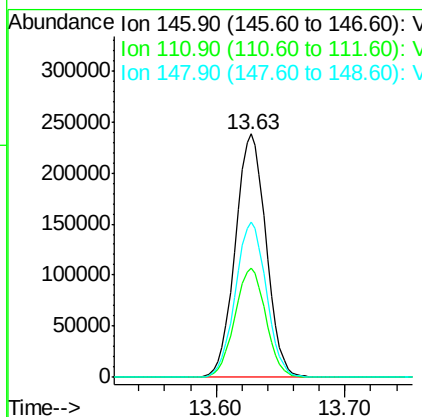
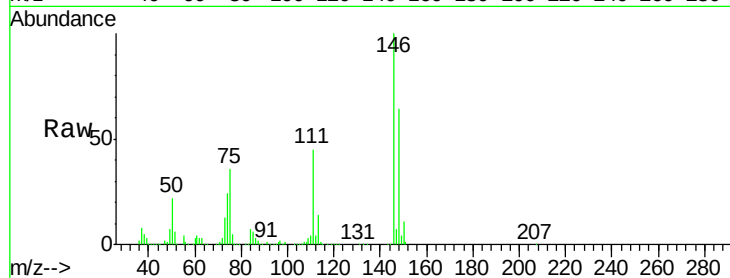
#91
 1,2-Dichlorobenzene
 Concen: 50.704 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN063673.D
 Acq: 25 Sep 2020 12:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.3	22.4	67.2
148	64.3	32.0	96.0

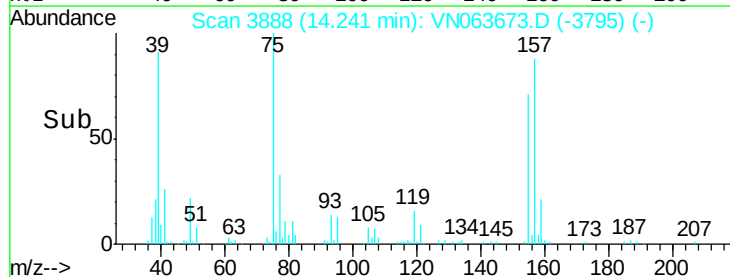
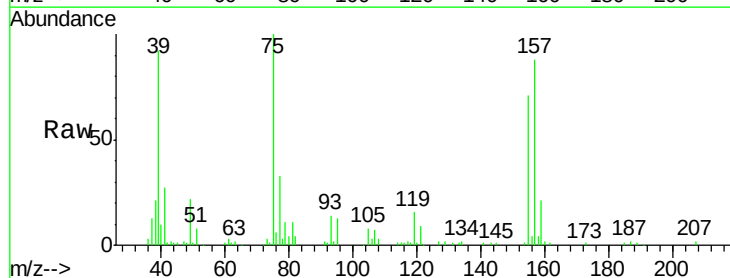
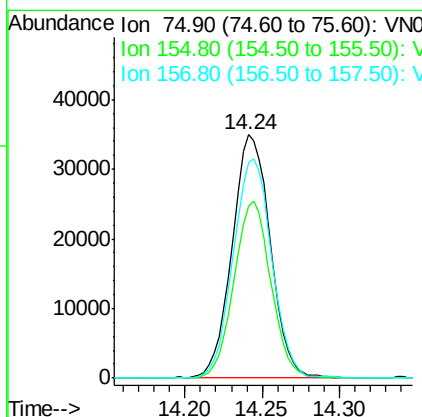
Manual Integrations
 APPROVED

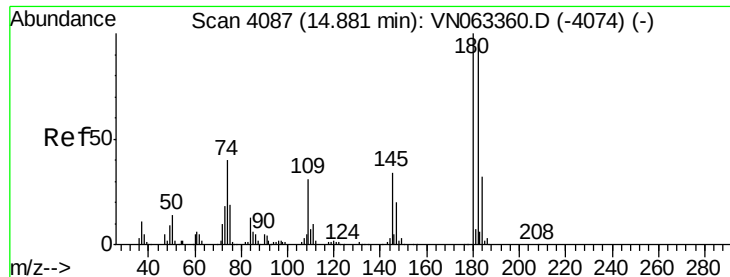
MMDadoda
 9/29/2020 10:40:32 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.692 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN063673.D
 Acq: 25 Sep 2020 12:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.9	34.6	103.9
157	91.1	43.7	131.1





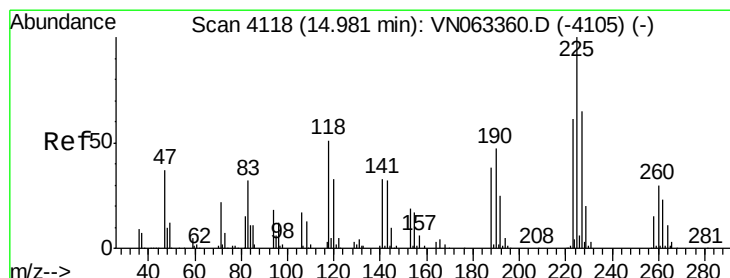
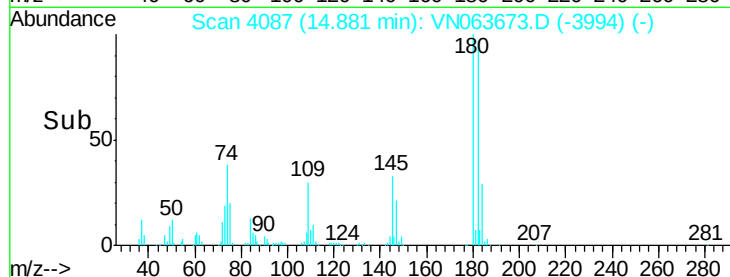
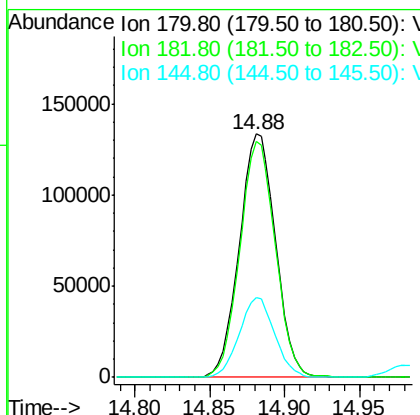
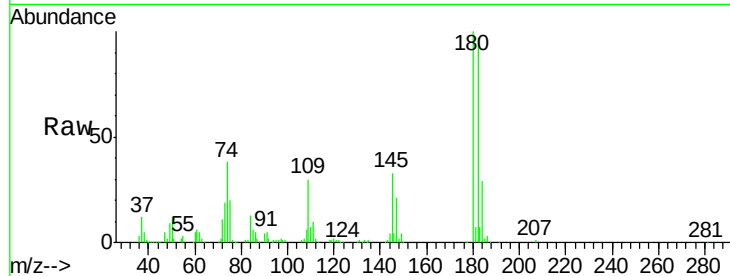
#93
 1,2,4-Trichlorobenzene
 Concen: 48.940 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN063673.D
 Acq: 25 Sep 2020 12:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	224604		
182	95.4	47.3	142.0	
145	32.2	16.6	49.7	

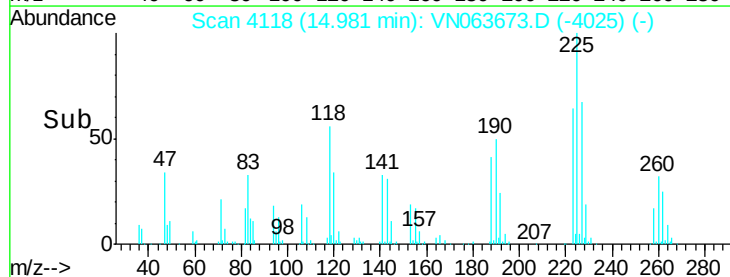
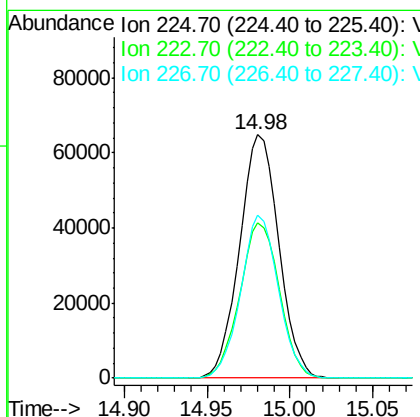
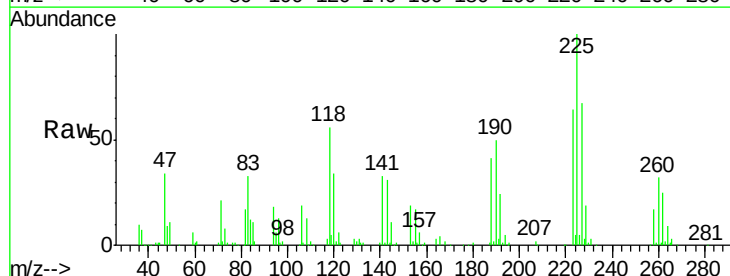
Manual Integrations
 APPROVED

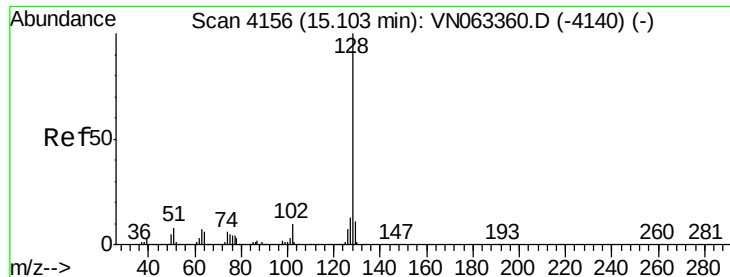
MMDadoda
 9/29/2020 10:40:32 AM



#94
 Hexachlorobutadiene
 Concen: 56.268 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN063673.D
 Acq: 25 Sep 2020 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	106906		
223	64.6	30.6	91.6	
227	64.5	31.2	93.6	





#95

Naphthalene

Concen: 45.024 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. -0.00 min

Lab File: VN063673.D

Acq: 25 Sep 2020 12:58

Instrument :

MSVOA_N

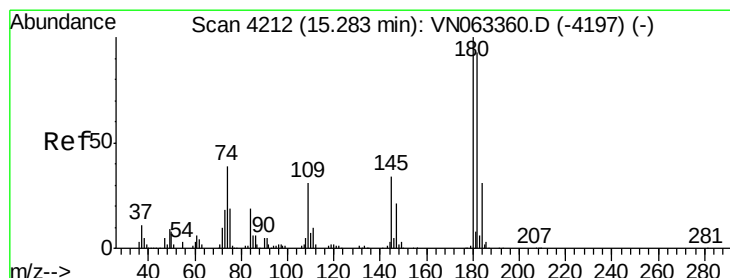
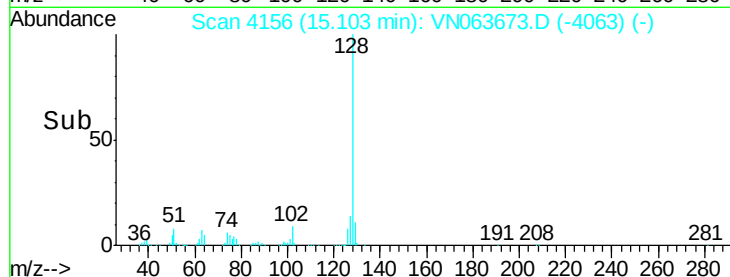
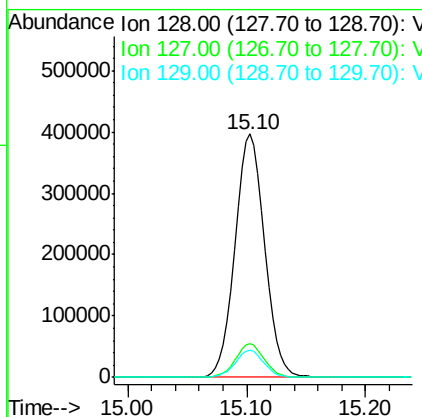
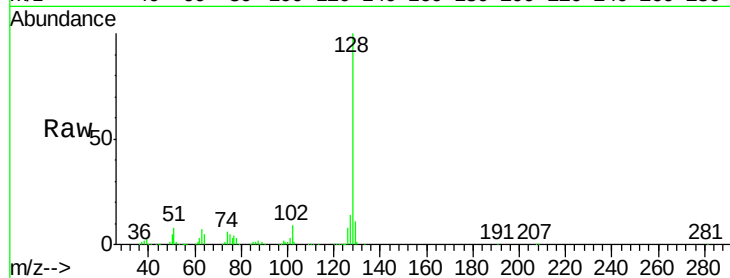
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	682670
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.6	15.8
129	10.7	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
9/29/2020 10:40:32 AM



#96

1,2,3-Trichlorobenzene

Concen: 47.316 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN063673.D

Acq: 25 Sep 2020 12:58

Tgt Ion:	180	Resp:	209816
Ion Ratio	Lower	Upper	
180	100		
182	97.9	46.7	140.1
145	34.4	16.8	50.3

