

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092920\
 Data File : VN063721.D
 Acq On : 29 Sep 2020 12:18
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/30/2020 1:20:33 PM

Quant Time: Sep 29 14:38:44 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	282978	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	458261	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	428323	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	216012	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	211937	44.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.00%	
35) Dibromofluoromethane	7.55	113	148541	46.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.64%	
50) Toluene-d8	10.06	98	554350	46.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.94%	
62) 4-Bromofluorobenzene	12.38	95	221070	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	140842	43.932	ug/l	99
3) Chloromethane	2.04	50	163239	38.490	ug/l	98
4) Vinyl Chloride	2.16	62	169626	45.143	ug/l	100
5) Bromomethane	2.52	94	112548	50.448	ug/l	97
6) Chloroethane	2.67	64	104211	45.181	ug/l	100
7) Trichlorofluoromethane	2.98	101	287025	51.199	ug/l	99
8) Diethyl Ether	3.37	74	105399	48.228	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.72	101	158411	50.245	ug/l	98
10) Methyl Iodide	3.91	142	187828	45.759	ug/l	99
11) Tert butyl alcohol	4.72	59	145162	217.527	ug/l	99
12) 1,1-Dichloroethene	3.70	96	145175	45.461	ug/l	99
13) Acrolein	3.56	56	44036	178.065	ug/l	98
14) Allyl chloride	4.28	41	285778	45.242	ug/l	95
15) Acrylonitrile	4.93	53	398363	234.681	ug/l	100
16) Acetone	3.77	43	390614	252.316	ug/l	100
17) Carbon Disulfide	4.01	76	369471	39.776	ug/l	100
18) Methyl Acetate	4.28	43	202633	51.559	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	577350	48.509	ug/l	95
20) Methylene Chloride	4.50	84	179134	45.670	ug/l	96
21) trans-1,2-Dichloroethene	4.99	96	162203	45.846	ug/l	97
22) Diisopropyl ether	5.90	45	609590	47.319	ug/l	99
23) Vinyl Acetate	5.84	43	2528970	239.033	ug/l	99
24) 1,1-Dichloroethane	5.79	63	334463	47.554	ug/l	100
25) 2-Butanone	6.78	43	574040	241.096	ug/l	98
26) 2,2-Dichloropropane	6.77	77	311345	50.279	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	196420	49.049	ug/l	98
28) Bromochloromethane	7.14	49	144706	44.560	ug/l	94
29) Tetrahydrofuran	7.16	42	366799	225.563	ug/l	99
30) Chloroform	7.33	83	352011	49.885	ug/l	98
31) Cyclohexane	7.61	56	272759	40.999	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	321327	51.198	ug/l	99
36) 1,1-Dichloropropene	7.75	75	250919	51.395	ug/l	99
37) Ethyl Acetate	6.88	43	245146	51.162	ug/l	99
38) Carbon Tetrachloride	7.73	117	278766	55.936	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092920\
 Data File : VN063721.D
 Acq On : 29 Sep 2020 12:18
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/30/2020 1:20:33 PM

Quant Time: Sep 29 14:38:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	258626	48.810	ug/l	96
40) Benzene	8.00	78	715400	51.332	ug/l	97
41) Methacrylonitrile	7.13	41	120507	55.918	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	308884	55.112	ug/l	99
43) Isopropyl Acetate	8.12	43	430763	50.277	ug/l #	89
44) Trichloroethene	8.80	130	185489	54.874	ug/l	99
45) 1,2-Dichloropropane	9.08	63	195378	51.473	ug/l	99
46) Dibromomethane	9.17	93	135575	54.343	ug/l	97
47) Bromodichloromethane	9.37	83	293348	56.600	ug/l	99
48) Methyl methacrylate	9.17	41	212224	50.416	ug/l	96
49) 1,4-Dioxane	9.16	88	58756	972.651	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	1270770	264.932	ug/l	100
52) Toluene	10.12	92	462452	55.190	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	320470	55.387	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	331630	54.338	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	187201	56.246	ug/l	99
56) Ethyl methacrylate	10.40	69	285437	54.936	ug/l	99
57) 1,3-Dichloropropane	10.68	76	317274	52.862	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	610087	223.835	ug/l	95
59) 2-Hexanone	10.72	43	954411	274.651	ug/l	100
60) Dibromochloromethane	10.87	129	215998	57.446	ug/l	99
61) 1,2-Dibromoethane	10.98	107	192080	55.550	ug/l	98
64) Tetrachloroethene	10.60	164	171316	58.739	ug/l	98
65) Chlorobenzene	11.41	112	497654	54.735	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	188935	56.689	ug/l	96
67) Ethyl Benzene	11.48	91	923899	53.959	ug/l	100
68) m/p-Xylenes	11.59	106	685272	111.004	ug/l	98
69) o-Xylene	11.92	106	326038	55.441	ug/l	98
70) Styrene	11.94	104	567394	57.533	ug/l	99
71) Bromoform	12.10	173	149988	60.409	ug/l #	100
73) Isopropylbenzene	12.22	105	903915	52.219	ug/l	100
74) N-amyl acetate	12.04	43	399673	48.776	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	264691	49.385	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	247166m	46.229	ug/l	
77) Bromobenzene	12.50	156	217734	55.919	ug/l	92
78) n-propylbenzene	12.57	91	1057706	52.462	ug/l	99
79) 2-Chlorotoluene	12.65	91	627860	51.951	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	759040	52.586	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.28	75	97356	49.922	ug/l	98
82) 4-Chlorotoluene	12.75	91	657915	51.522	ug/l	98
83) tert-Butylbenzene	12.97	119	629816	52.867	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	765585	52.510	ug/l	99
85) sec-Butylbenzene	13.14	105	824975	51.734	ug/l	99
86) p-Isopropyltoluene	13.26	119	754273	53.627	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	393770	54.562	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	400225	54.545	ug/l	99
89) n-Butylbenzene	13.59	91	677553	52.262	ug/l	99
90) Hexachloroethane	13.85	117	136307	50.895	ug/l	95
91) 1,2-Dichlorobenzene	13.63	146	389054	54.909	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	63280	49.581	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092920\
Data File : VN063721.D
Acq On : 29 Sep 2020 12:18
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

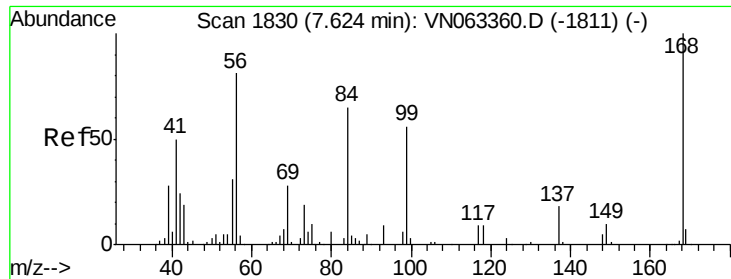
Manual Integrations
APPROVED

MMDadoda
9/30/2020 1:20:33 PM

Quant Time: Sep 29 14:38:44 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)
93) 1,2,4-Trichlorobenzene	14.88	180	218749	52.368	ug/l	99
94) Hexachlorobutadiene	14.98	225	109926	63.567	ug/l	98
95) Naphthalene	15.10	128	660598	47.868	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	210500	52.155	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN063721.D

Acq: 29 Sep 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 282978

Ion Ratio Lower Upper

168 100

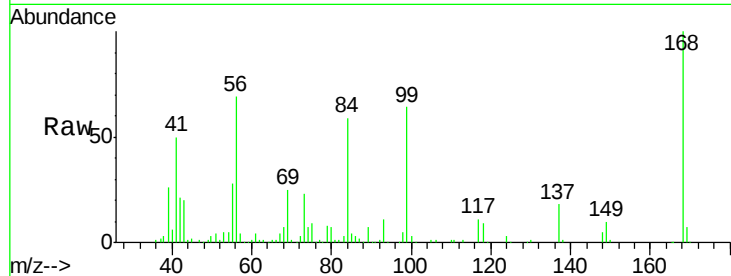
99 63.4 53.0 79.6

Manual Integrations

APPROVED

MMDadoda

9/30/2020 1:20:33 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

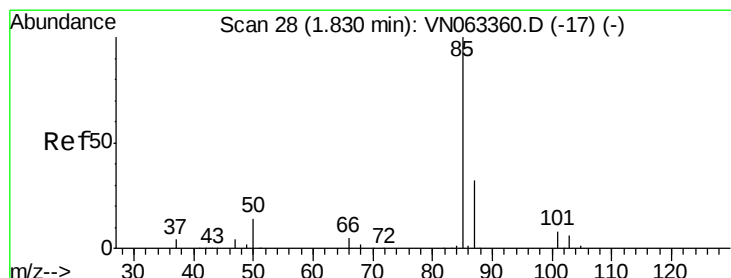
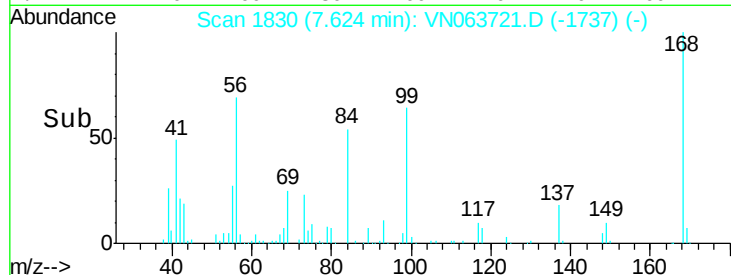
7.62

100000

50000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 43.932 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN063721.D

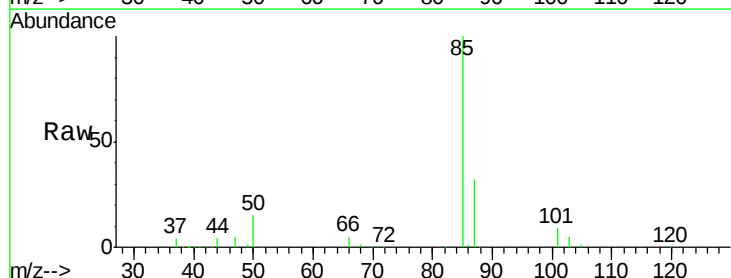
Acq: 29 Sep 2020 12:18

Tgt Ion: 85 Resp: 140842

Ion Ratio Lower Upper

85 100

87 32.1 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

80000

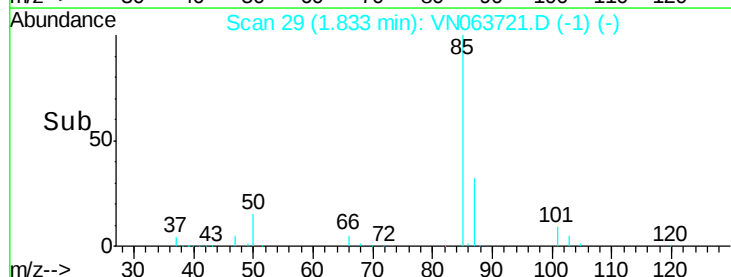
60000

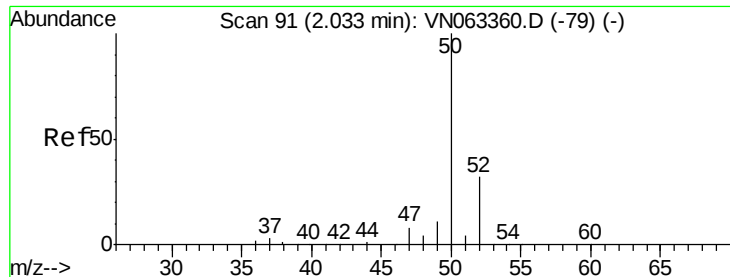
40000

20000

0

Time--> 1.75 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 38.490 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063721.D

Acq: 29 Sep 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 163239

Ion Ratio Lower Upper

50 100

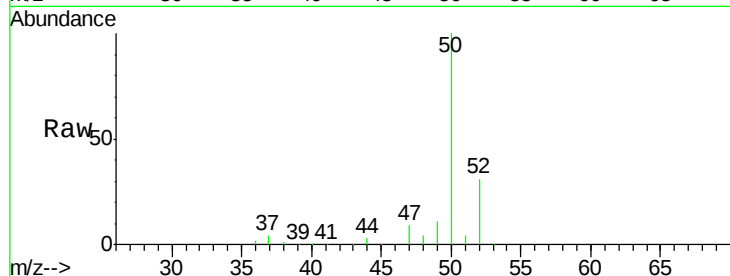
52 31.5 25.9 38.9

Manual Integrations

APPROVED

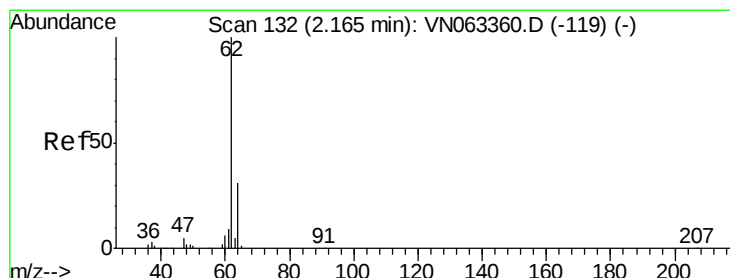
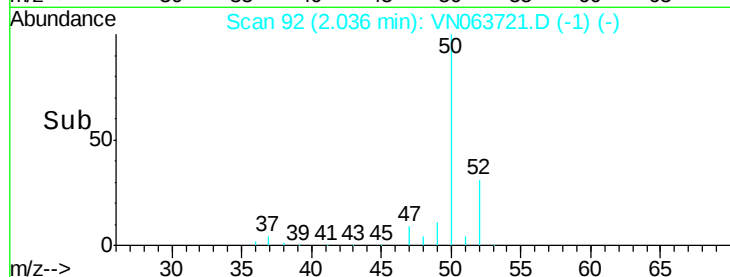
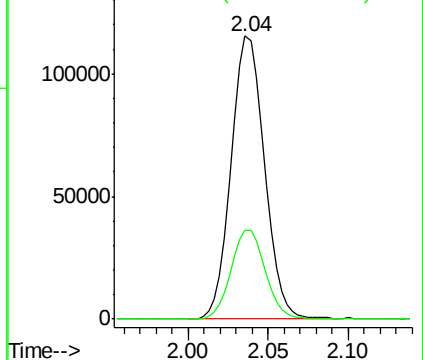
MMDadoda

9/30/2020 1:20:33 PM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 45.143 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN063721.D

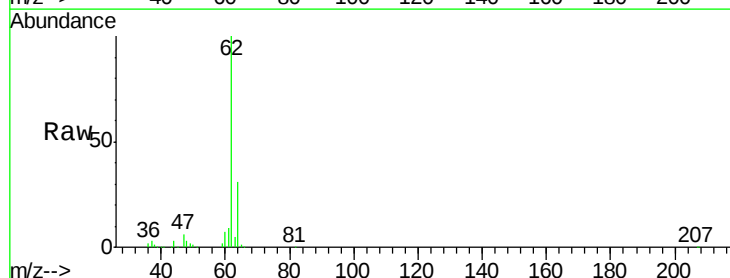
Acq: 29 Sep 2020 12:18

Tgt Ion: 62 Resp: 169626

Ion Ratio Lower Upper

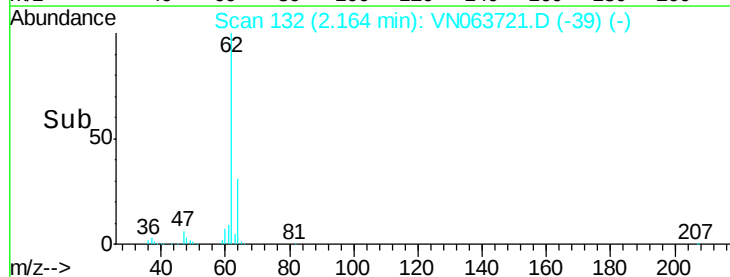
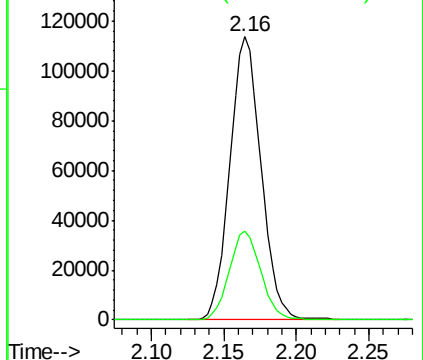
62 100

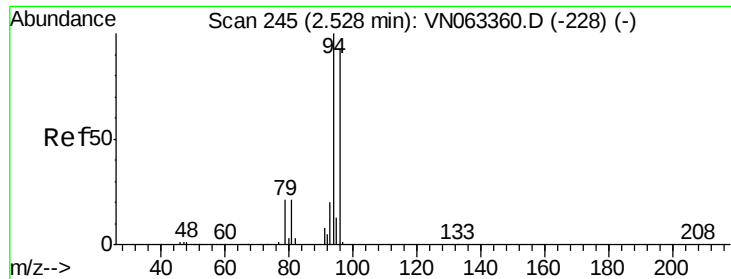
64 31.2 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 50.448 ug/l

RT: 2.52 min Scan# 244

Delta R.T. -0.00 min

Lab File: VN063721.D

Acq: 29 Sep 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 112548

Ion Ratio Lower Upper

94 100

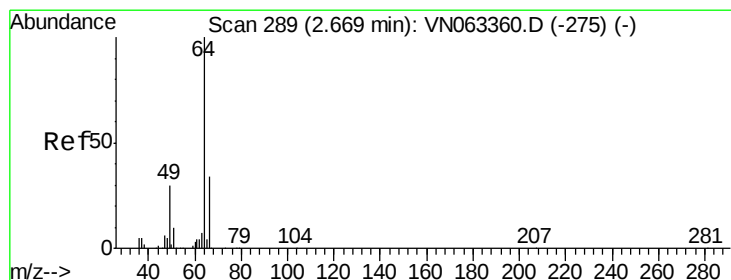
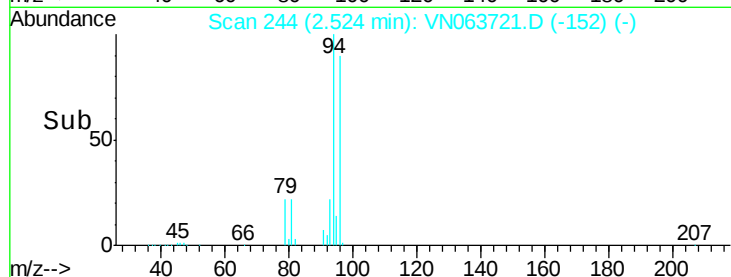
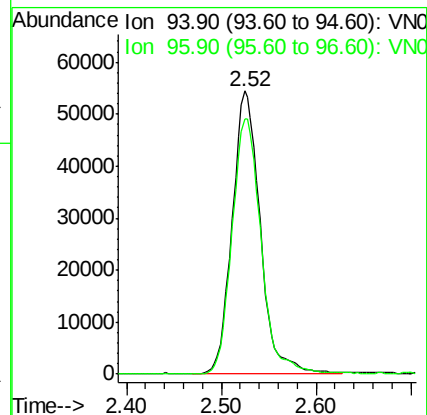
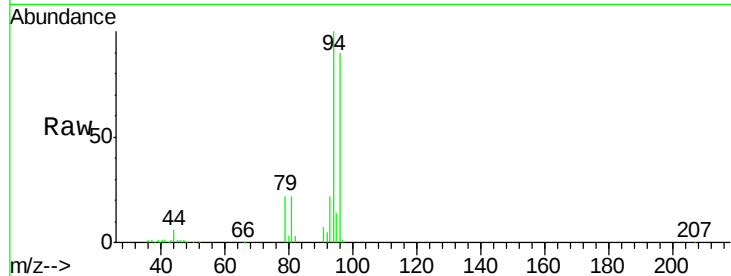
96 90.3 74.5 111.7

Manual Integrations

APPROVED

MMDadoda

9/30/2020 1:20:33 PM



#6

Chloroethane

Concen: 45.181 ug/l

RT: 2.67 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN063721.D

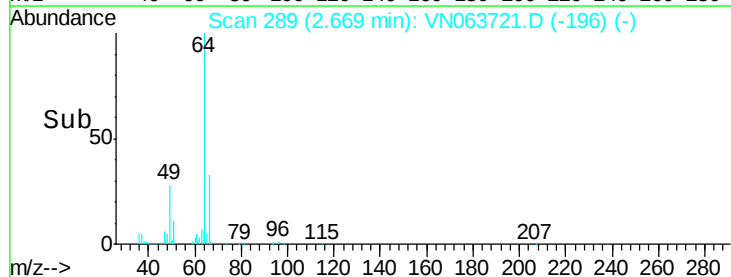
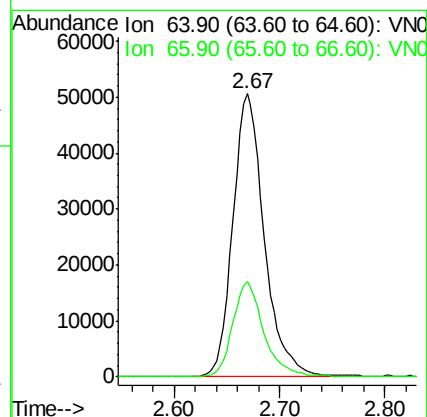
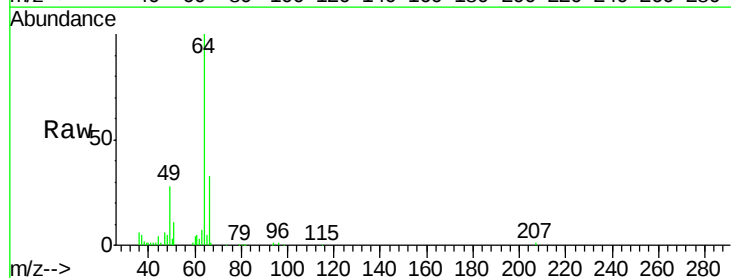
Acq: 29 Sep 2020 12:18

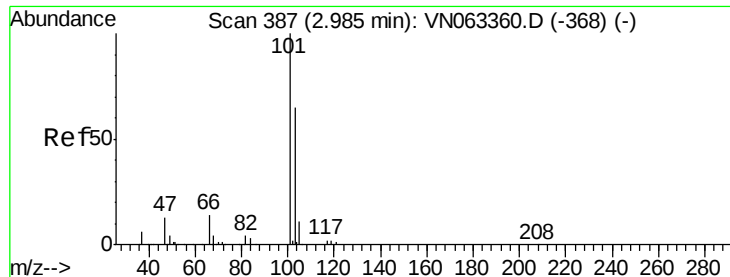
Tgt Ion: 64 Resp: 104211

Ion Ratio Lower Upper

64 100

66 33.4 26.9 40.3





#7

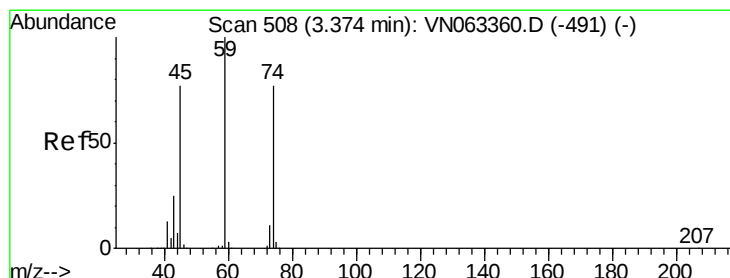
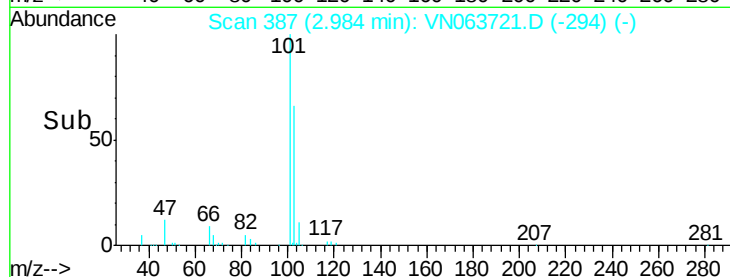
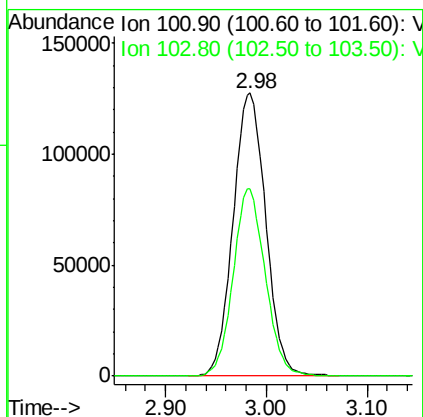
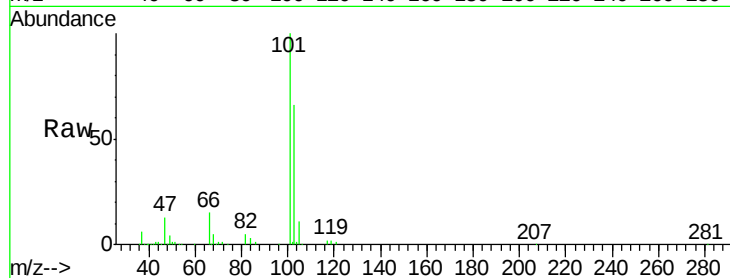
Trichlorofluoromethane
 Concen: 51.199 ug/l
 RT: 2.98 min Scan# 387
 Delta R.T. -0.00 min
 Lab File: VN063721.D
 Acq: 29 Sep 2020 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.0	52.3	78.5

Manual Integrations
 APPROVED

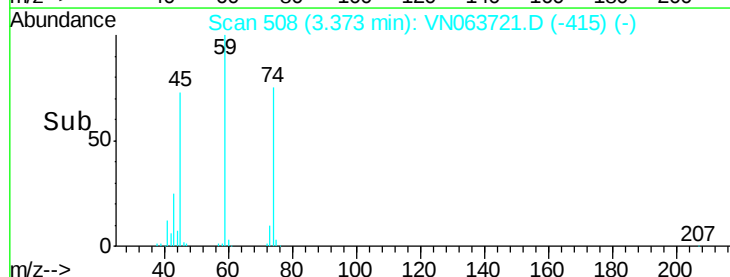
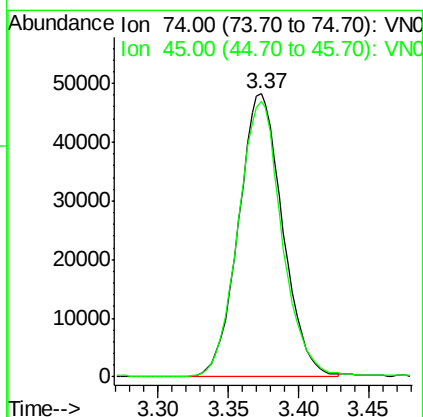
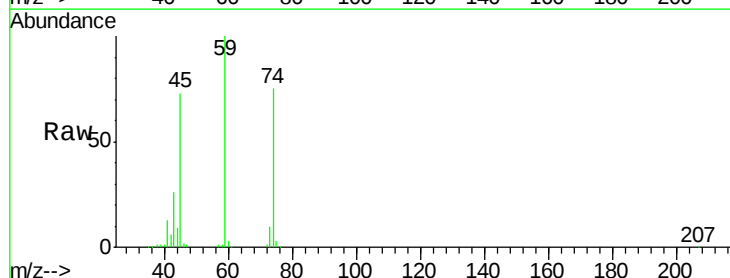
MMDadoda
 9/30/2020 1:20:33 PM

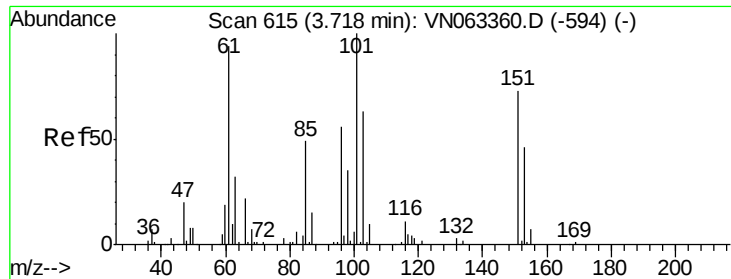


#8

Diethyl Ether
 Concen: 48.228 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN063721.D
 Acq: 29 Sep 2020 12:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.7	52.1	156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.245 ug/l

RT: 3.72 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN063721.D

Acq: 29 Sep 2020 12:18

Instrument :

MSVOA_N

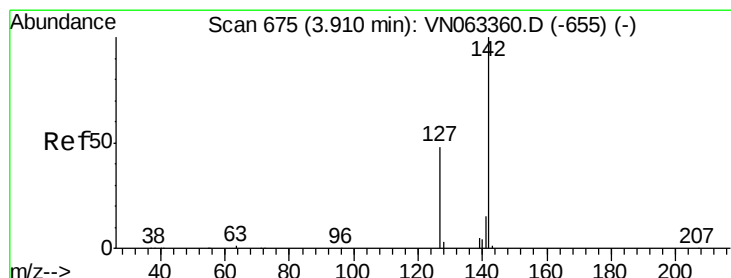
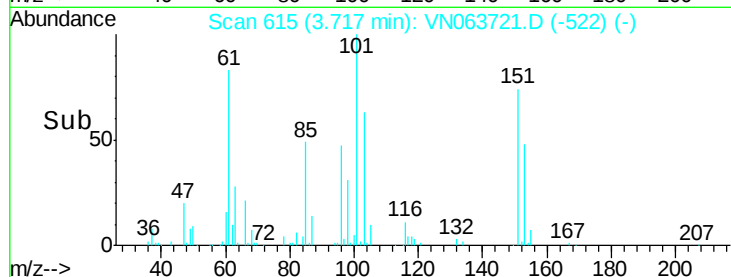
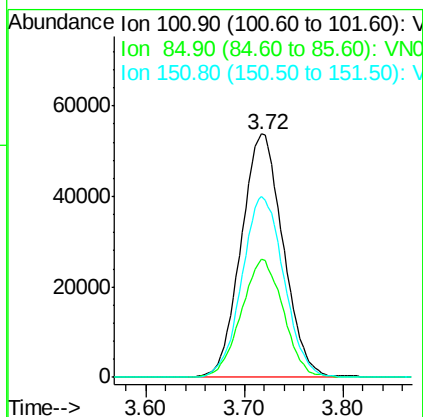
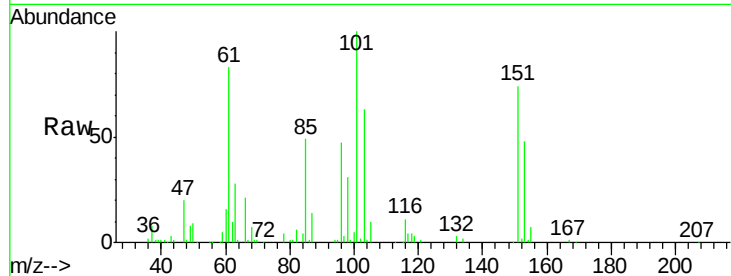
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	158411
Ion Ratio	Lower	Upper	
101	100		
85	48.6	37.7	56.5
151	74.3	57.7	86.5

Manual Integrations
APPROVED

MMDadoda
9/30/2020 1:20:33 PM



#10

Methyl Iodide

Concen: 45.759 ug/l

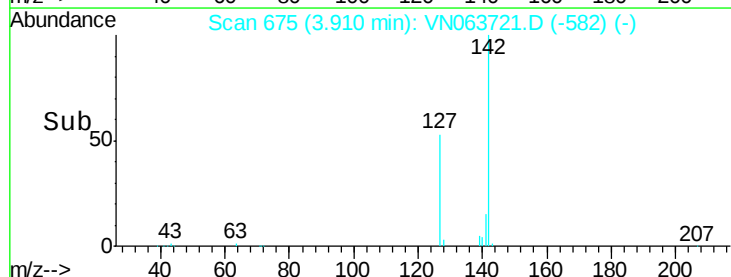
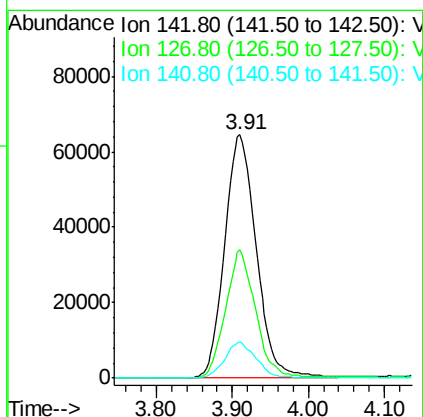
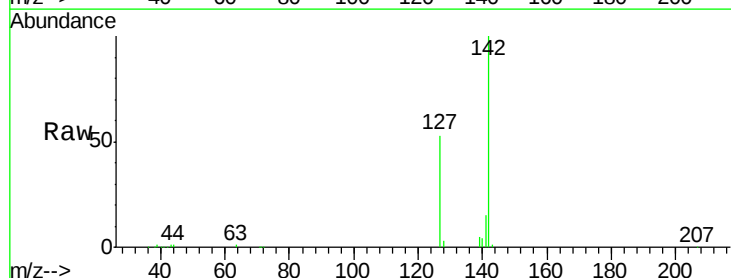
RT: 3.91 min Scan# 675

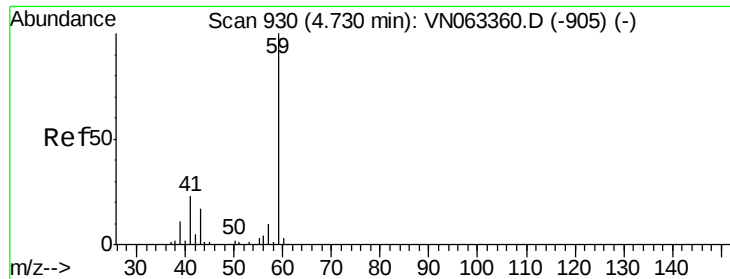
Delta R.T. -0.00 min

Lab File: VN063721.D

Acq: 29 Sep 2020 12:18

Tgt Ion:	142	Resp:	187828
Ion Ratio	Lower	Upper	
142	100		
127	49.5	39.0	58.6
141	14.6	11.6	17.4





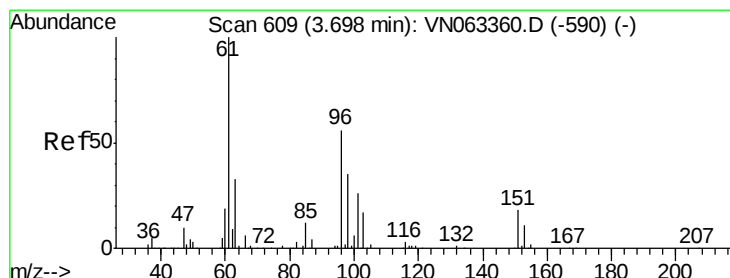
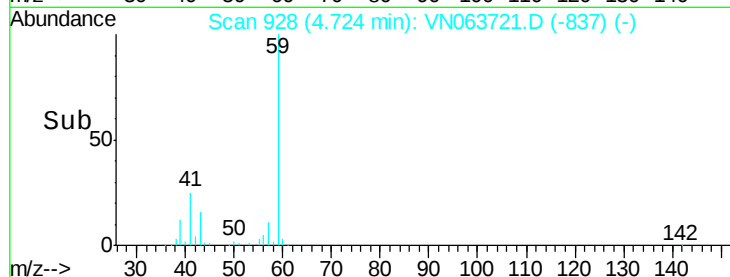
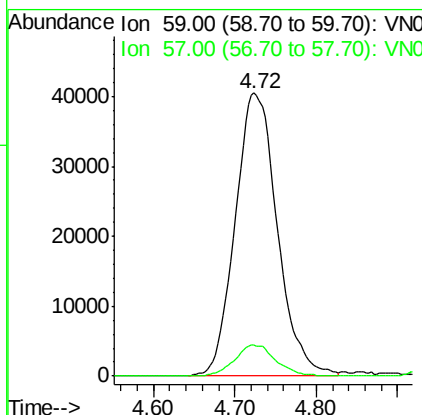
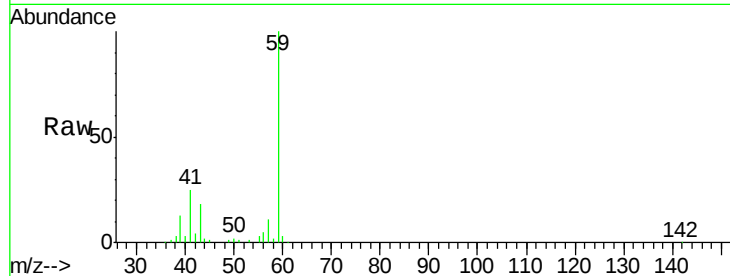
#11
Tert butyl alcohol
Concen: 217.527 ug/l
RT: 4.72 min Scan# 928
Delta R.T. -0.01 min
Lab File: VN063721.D
Acq: 29 Sep 2020 12:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 145162
Ion Ratio Lower Upper
59 100
57 10.8 8.4 12.6

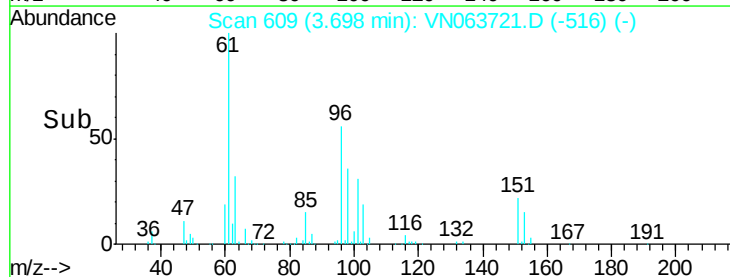
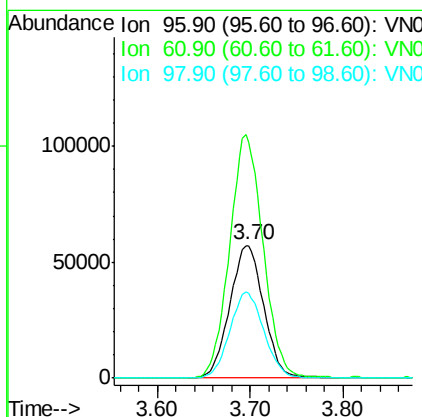
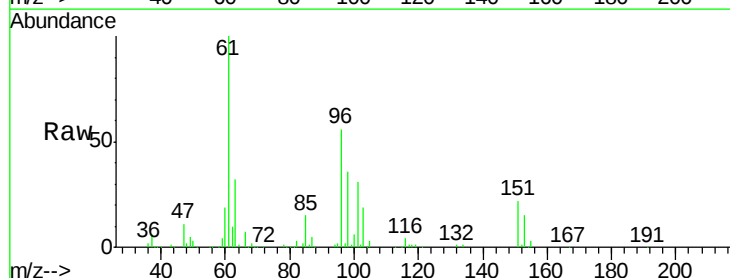
Manual Integrations
APPROVED

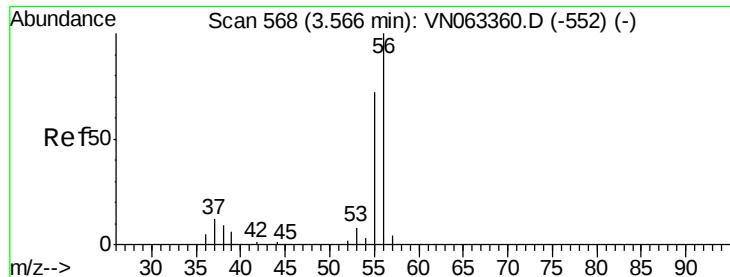
MMDadoda
9/30/2020 1:20:33 PM



#12
1,1-Dichloroethene
Concen: 45.461 ug/l
RT: 3.70 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN063721.D
Acq: 29 Sep 2020 12:18

Tgt Ion: 96 Resp: 145175
Ion Ratio Lower Upper
96 100
61 177.6 143.4 215.2
98 63.7 50.6 76.0





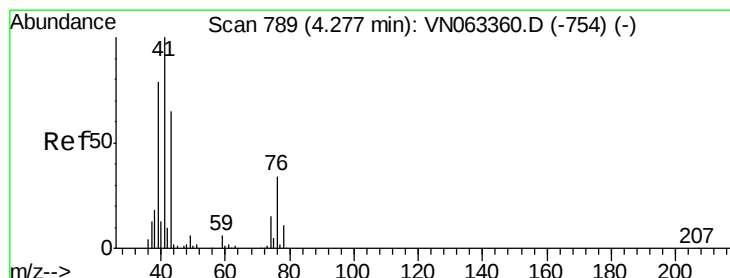
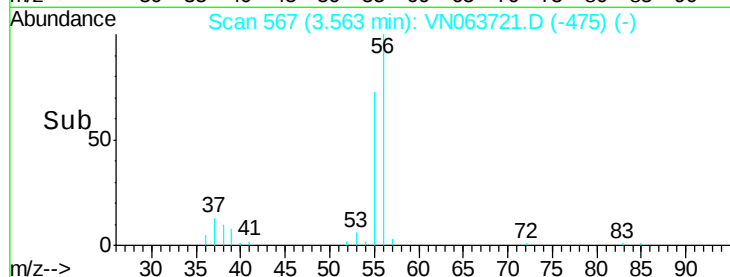
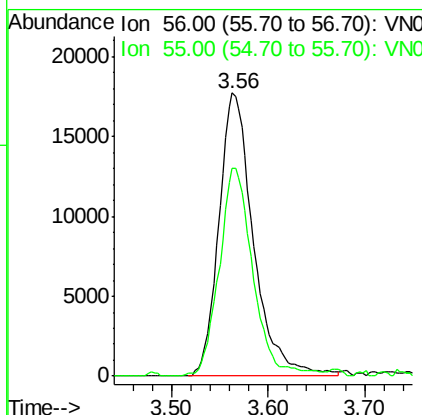
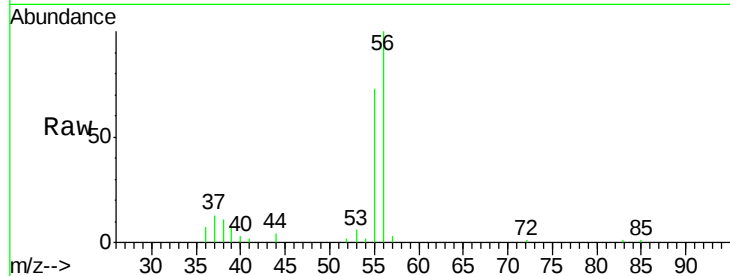
#13
Acrolein
Concen: 178.065 ug/l
RT: 3.56 min Scan# 567
Delta R.T. -0.00 min
Lab File: VN063721.D
Acq: 29 Sep 2020 12:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	55	Ratio	Lower	Upper
44036	100	70.9		58.2	87.2

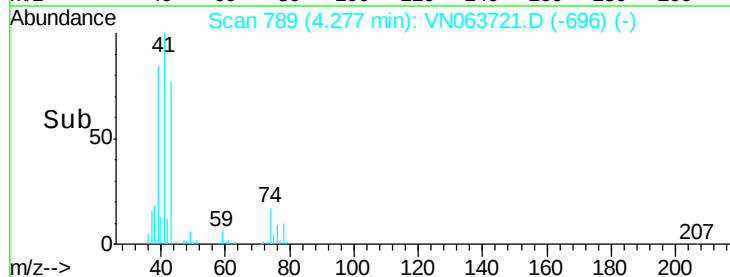
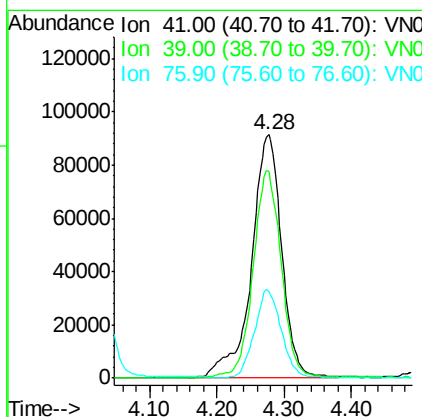
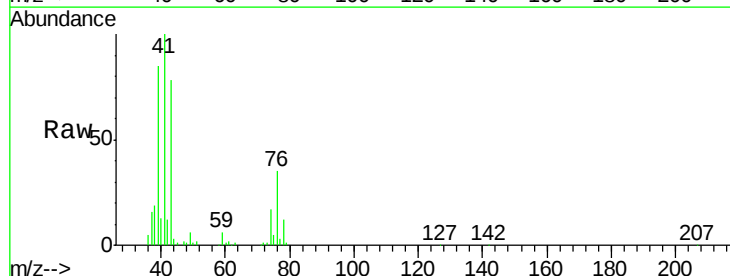
Manual Integrations
APPROVED

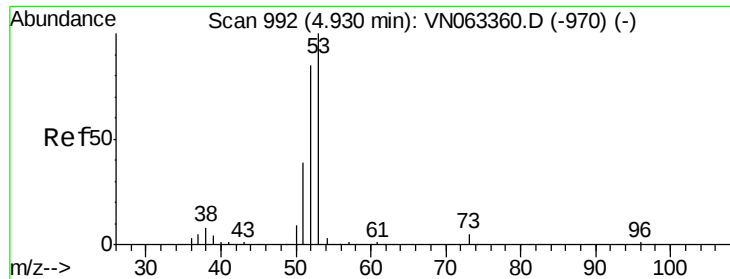
MMDadoda
9/30/2020 1:20:33 PM



#14
Allyl chloride
Concen: 45.242 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN063721.D
Acq: 29 Sep 2020 12:18

Tgt Ion	41	39	76	Ratio	Lower	Upper
285778	100	79.6	31.6		59.3	88.9





#15

Acrylonitrile

Concen: 234.681 ug/l

RT: 4.93 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN063721.D

Acq: 29 Sep 2020 12:18

Instrument :

MSVOA_N

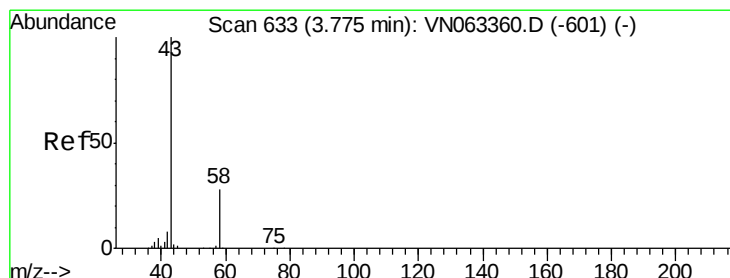
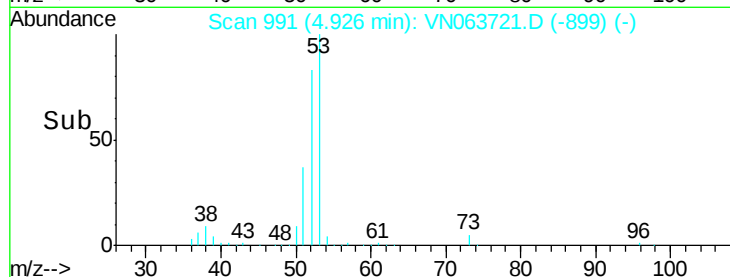
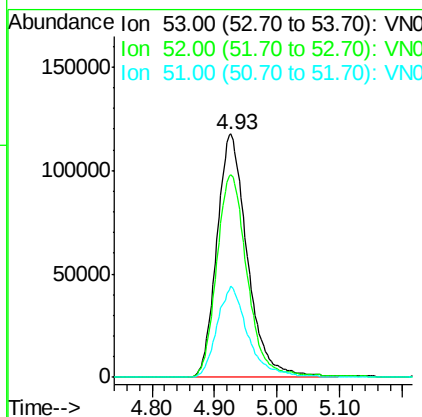
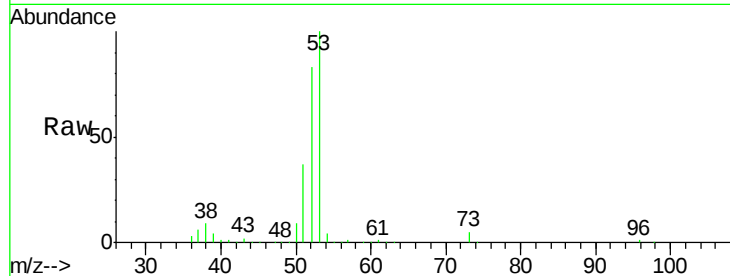
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	398363
Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.4	99.6
51	37.8	30.2	45.4

Manual Integrations
APPROVED

MMDadoda
9/30/2020 1:20:33 PM



#16

Acetone

Concen: 252.316 ug/l

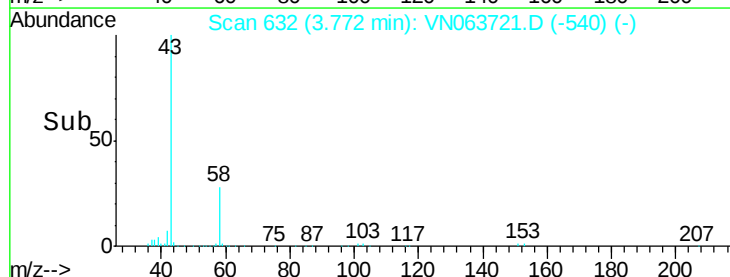
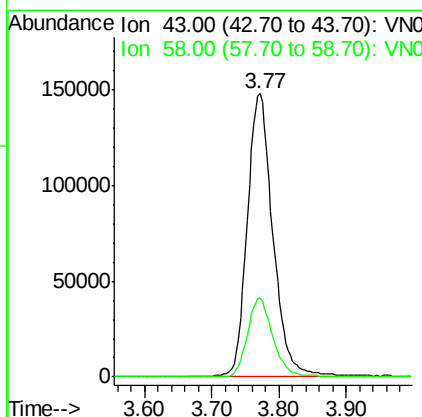
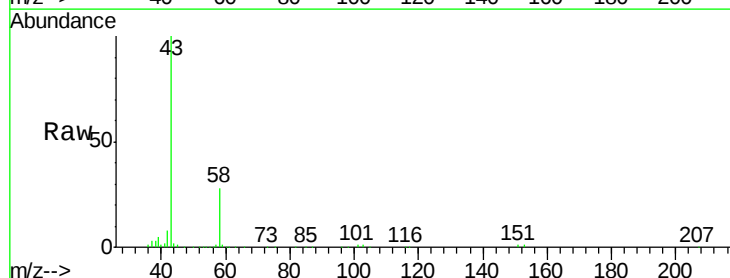
RT: 3.77 min Scan# 632

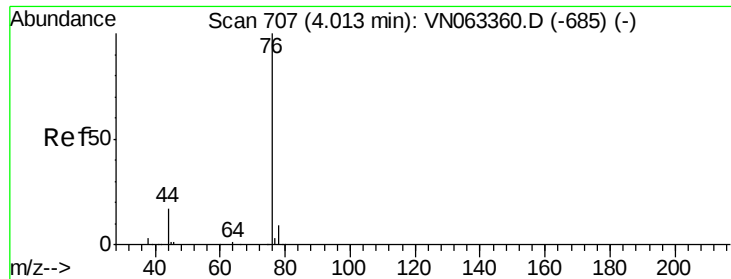
Delta R.T. -0.00 min

Lab File: VN063721.D

Acq: 29 Sep 2020 12:18

Tgt Ion:	43	Resp:	390614
Ion	Ratio	Lower	Upper
43	100		
58	28.0	22.3	33.5





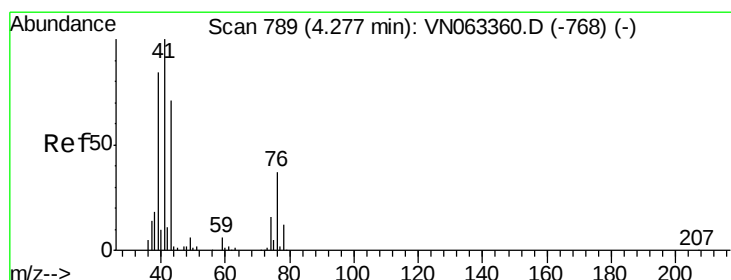
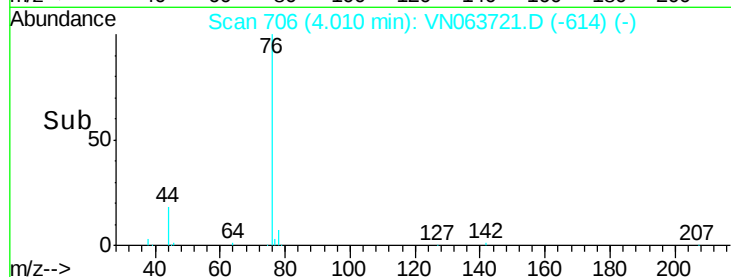
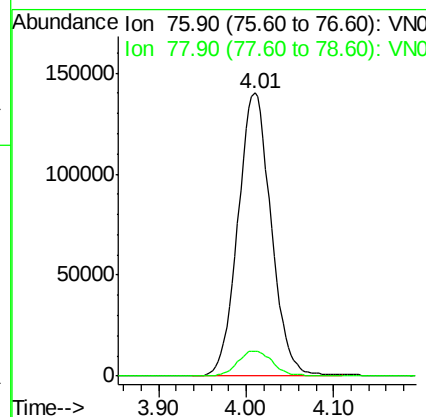
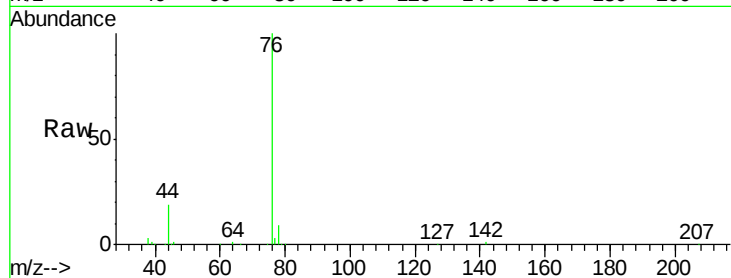
#17
Carbon Disulfide
Concen: 39.776 ug/l
RT: 4.01 min Scan# 706
Delta R.T. -0.00 min
Lab File: VN063721.D
Acq: 29 Sep 2020 12:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.2	10.8

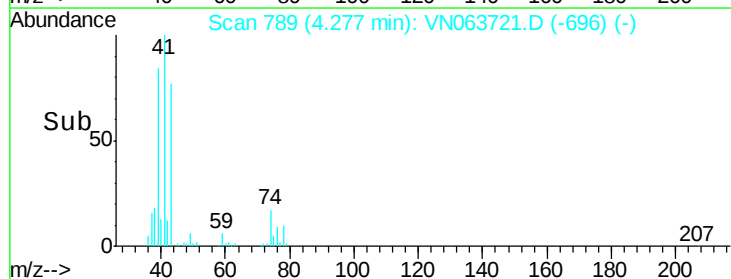
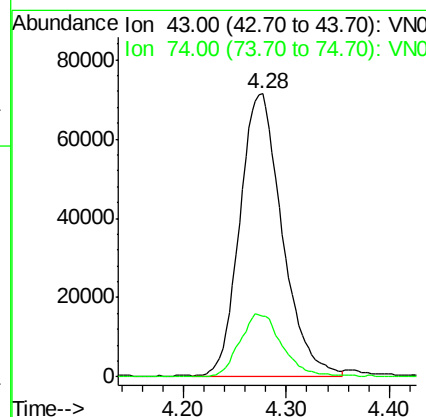
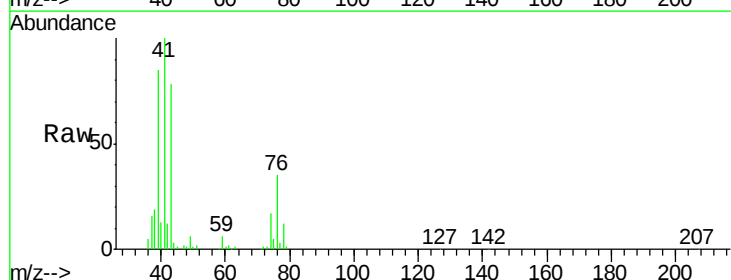
Manual Integrations
APPROVED

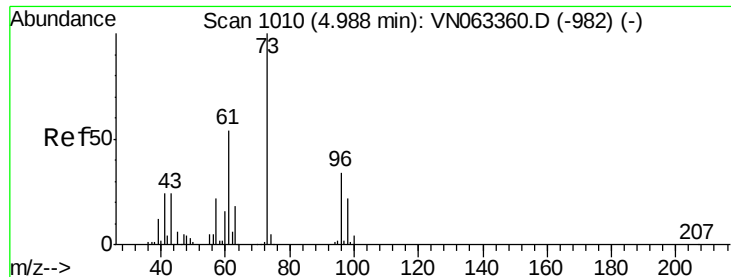
MMDadoda
9/30/2020 1:20:33 PM



#18
Methyl Acetate
Concen: 51.559 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN063721.D
Acq: 29 Sep 2020 12:18

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.4	17.4	26.2





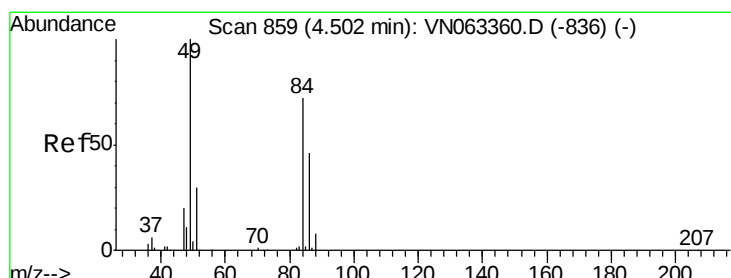
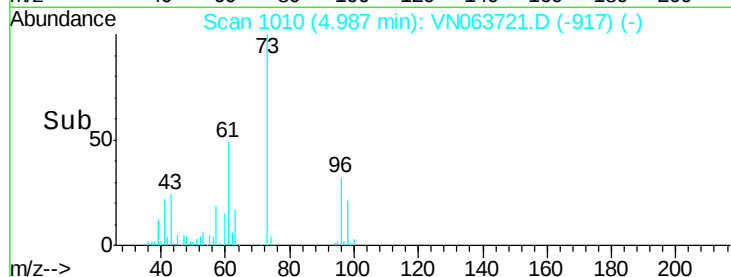
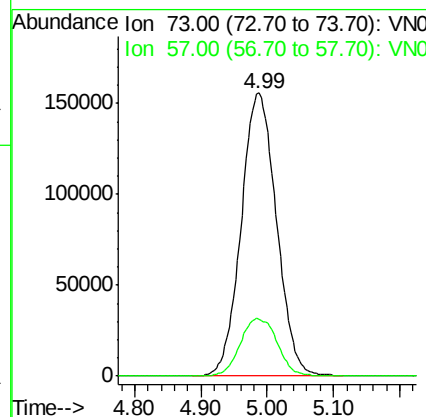
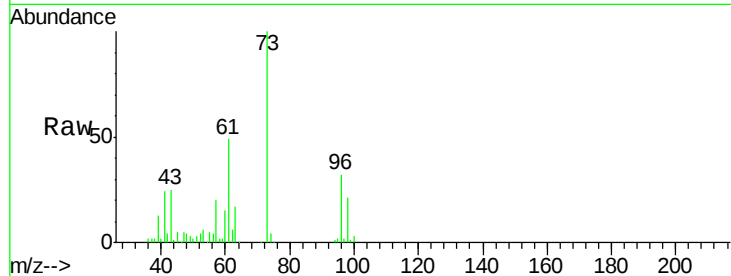
#19
Methyl tert-butyl Ether
Concen: 48.509 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN063721.D
Acq: 29 Sep 2020 12:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 577350
Ion Ratio Lower Upper
73 100
57 20.1 17.9 26.9

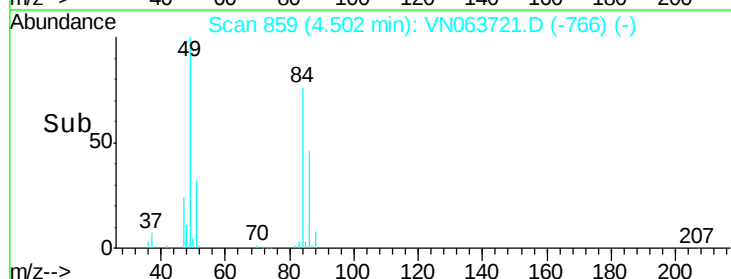
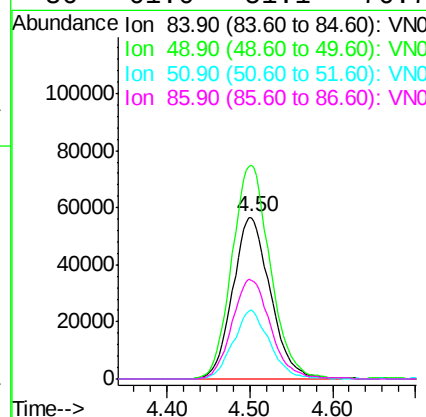
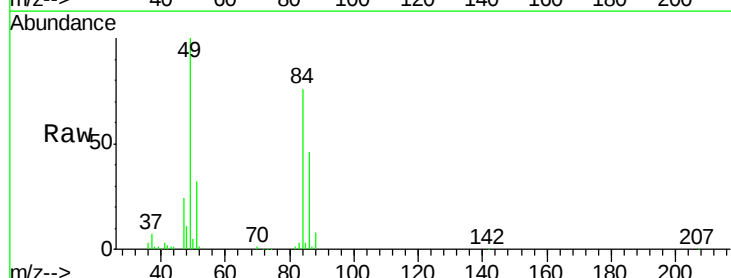
Manual Integrations
APPROVED

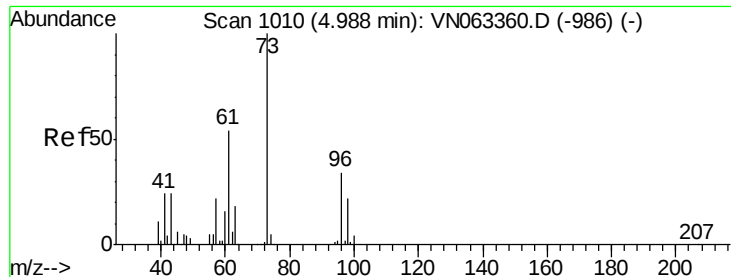
MMDadoda
9/30/2020 1:20:33 PM



#20
Methylene Chloride
Concen: 45.670 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN063721.D
Acq: 29 Sep 2020 12:18

Tgt Ion: 84 Resp: 179134
Ion Ratio Lower Upper
84 100
49 131.9 110.7 166.1
51 42.7 32.9 49.3
86 61.0 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 45.846 ug/l

RT: 4.99 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VN063721.D

Acq: 29 Sep 2020 12:18

Instrument :

MSVOA_N

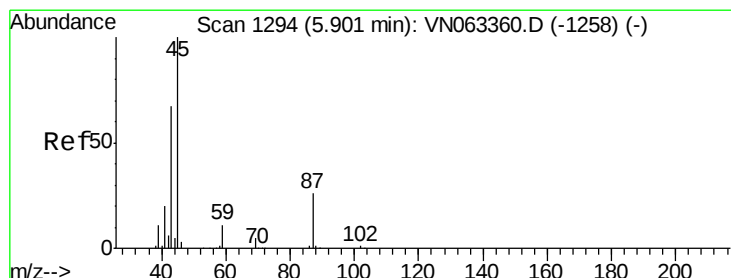
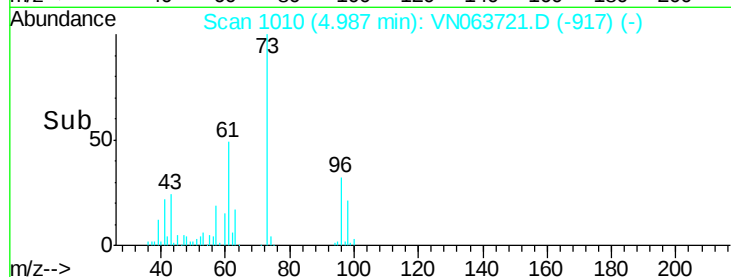
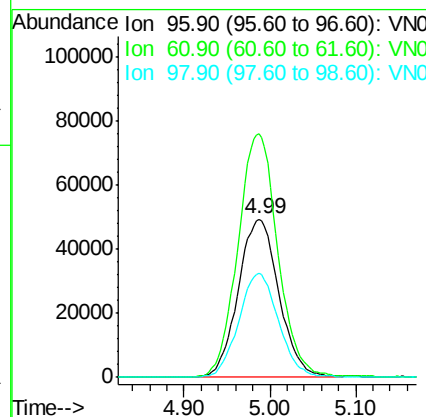
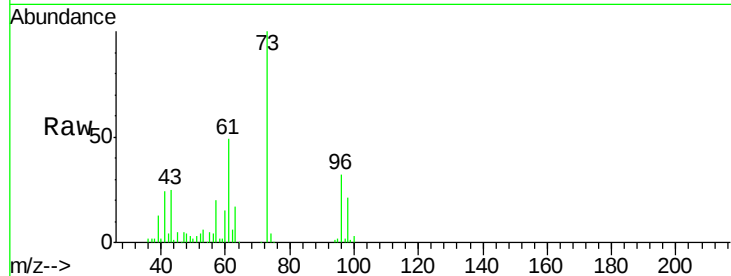
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	162203
Ion	Ratio	Lower	Upper
96	100		
61	154.0	126.2	189.4
98	66.0	51.0	76.4

Manual Integrations
APPROVED

MMDadoda
9/30/2020 1:20:33 PM



#22

Diisopropyl ether

Concen: 47.319 ug/l

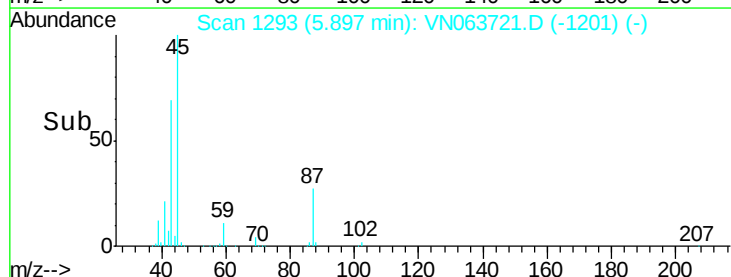
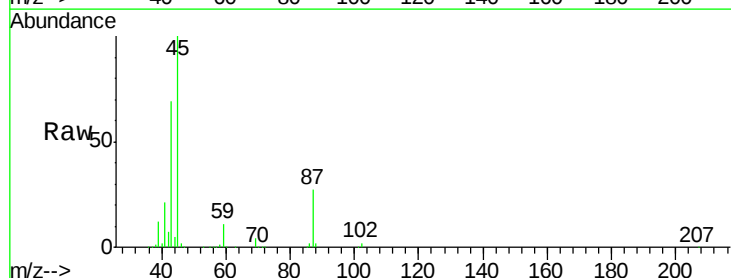
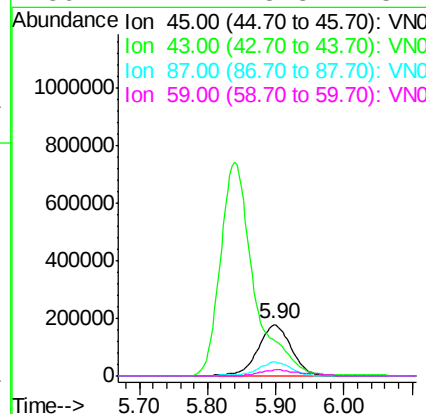
RT: 5.90 min Scan# 1293

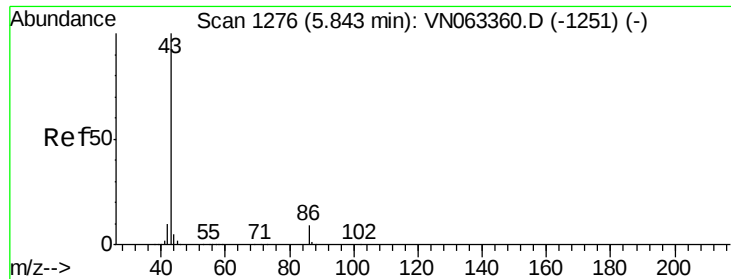
Delta R.T. -0.00 min

Lab File: VN063721.D

Acq: 29 Sep 2020 12:18

Tgt Ion:	45	Resp:	609590
Ion	Ratio	Lower	Upper
45	100		
43	68.3	53.5	80.3
87	27.0	21.2	31.8
59	11.1	8.8	13.2





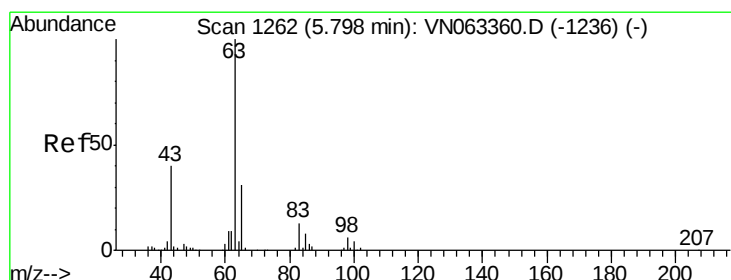
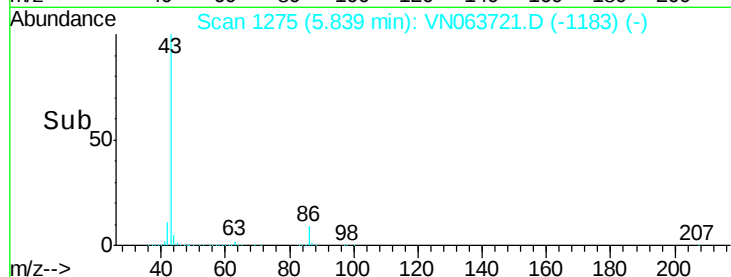
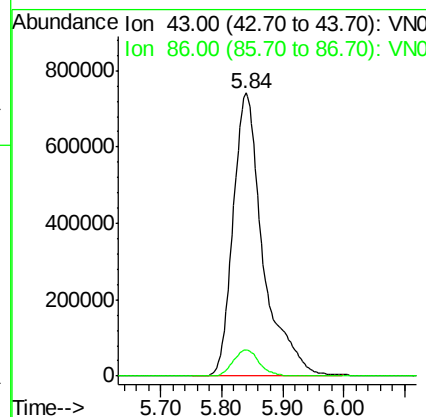
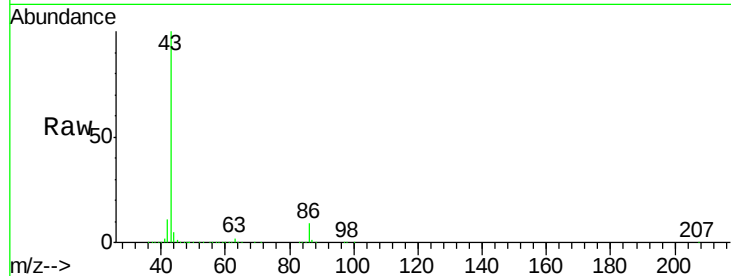
#23
 Vinyl Acetate
 Concen: 239.033 ug/l
 RT: 5.84 min Scan# 1275
 Delta R.T. -0.00 min
 Lab File: VN063721.D
 Acq: 29 Sep 2020 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 2528970
 Ion Ratio Lower Upper
 43 100
 86 9.4 7.1 10.7

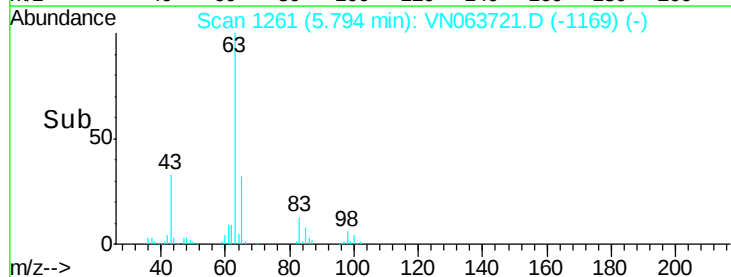
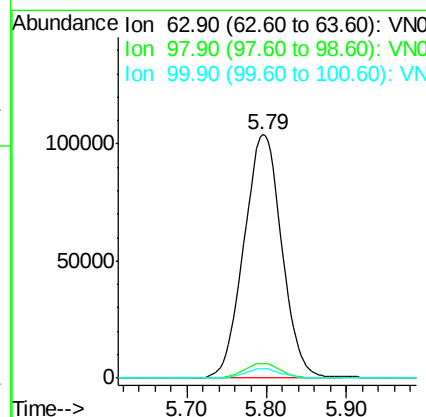
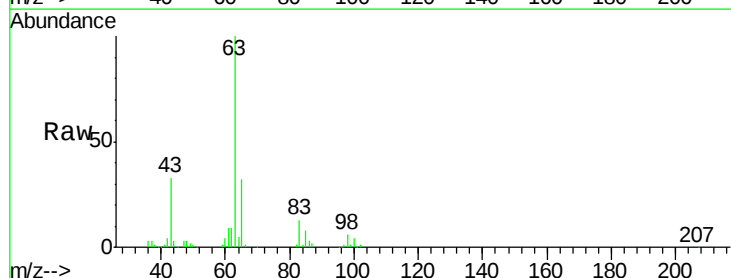
Manual Integrations
 APPROVED

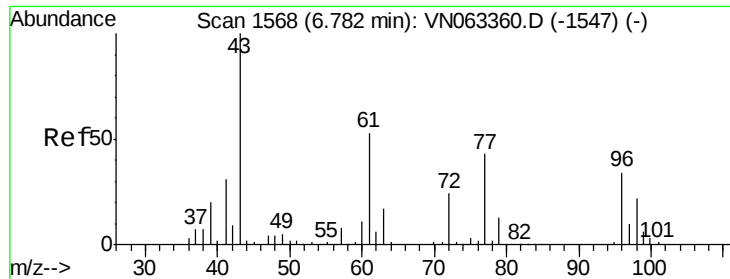
MMDadoda
 9/30/2020 1:20:33 PM



#24
 1,1-Dichloroethane
 Concen: 47.554 ug/l
 RT: 5.79 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VN063721.D
 Acq: 29 Sep 2020 12:18

Tgt Ion: 63 Resp: 334463
 Ion Ratio Lower Upper
 63 100
 98 5.9 2.9 8.8
 100 3.9 2.1 6.3





#25

2-Butanone

Concen: 241.096 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN063721.D

Acq: 29 Sep 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 574040

Ion Ratio Lower Upper

43 100

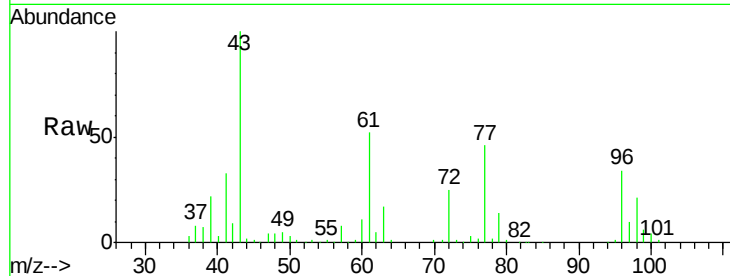
72 24.8 19.2 28.8

Manual Integrations

APPROVED

MMDadoda

9/30/2020 1:20:33 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.78

200000

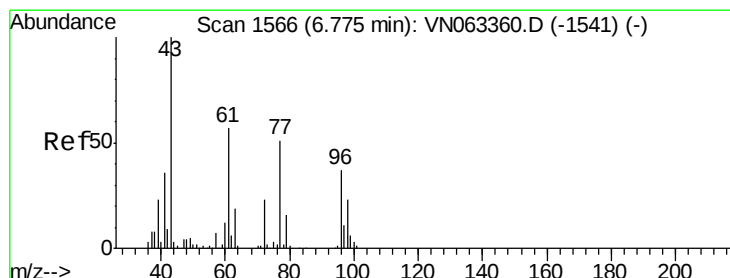
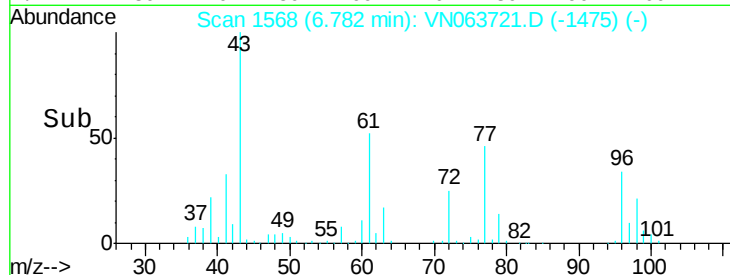
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 50.279 ug/l

RT: 6.77 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN063721.D

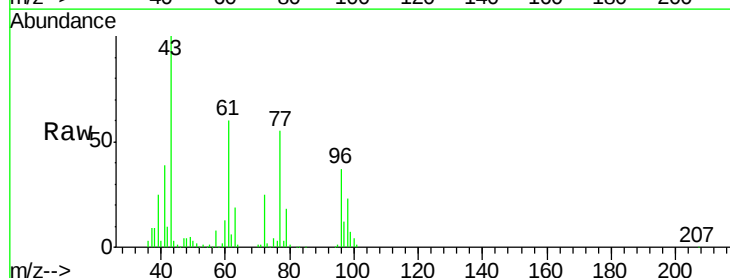
Acq: 29 Sep 2020 12:18

Tgt Ion: 77 Resp: 311345

Ion Ratio Lower Upper

77 100

97 21.4 10.5 31.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.77

100000

80000

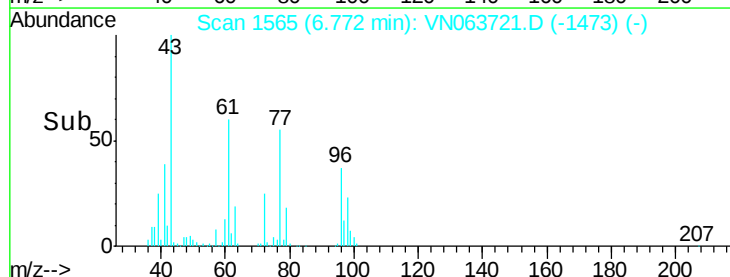
60000

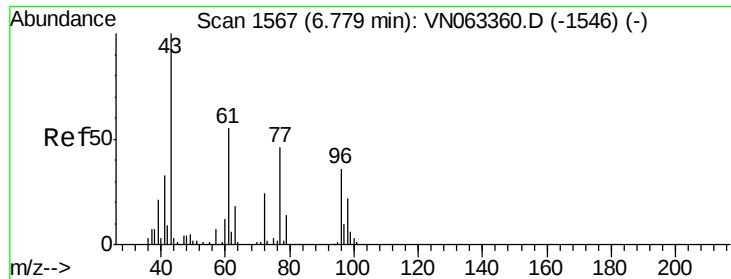
40000

20000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 49.049 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN063721.D

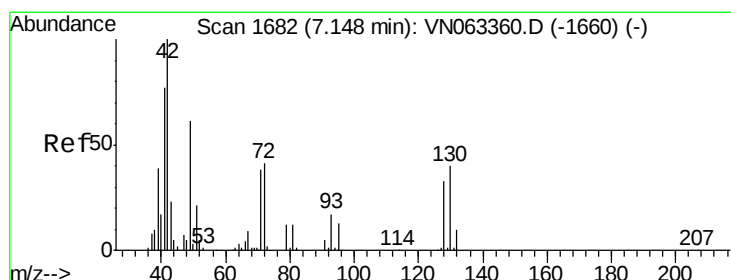
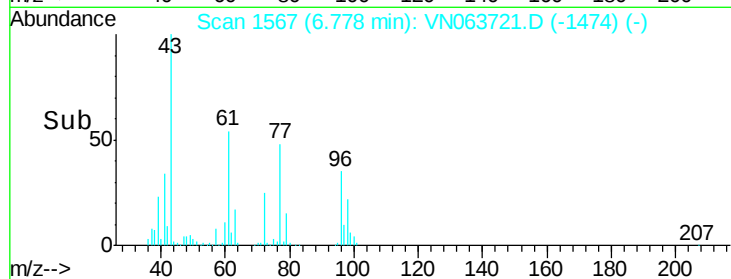
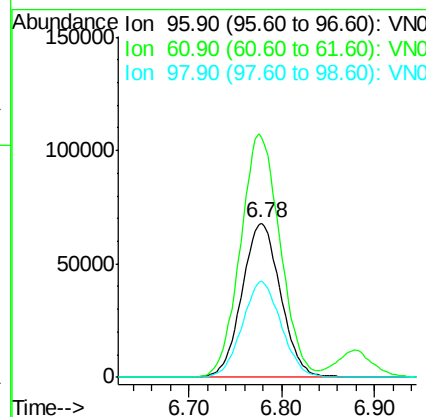
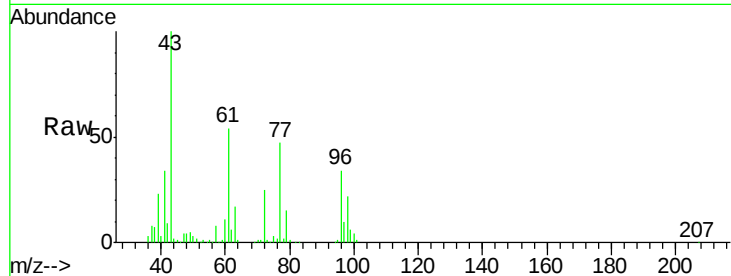
Acq: 29 Sep 2020 12:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	196420		
61	162.1	0.0	319.6	
98	62.8	0.0	127.8	

Manual Integrations
APPROVED

MMDadoda
9/30/2020 1:20:33 PM



#28

Bromochloromethane

Concen: 44.560 ug/l

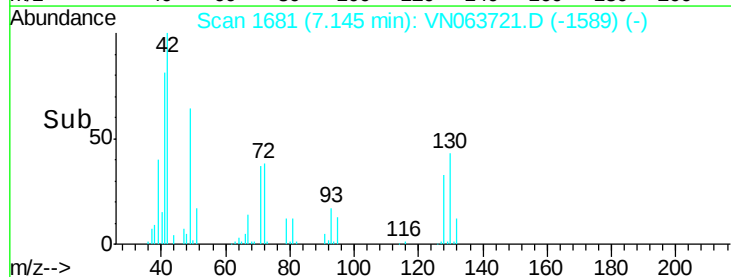
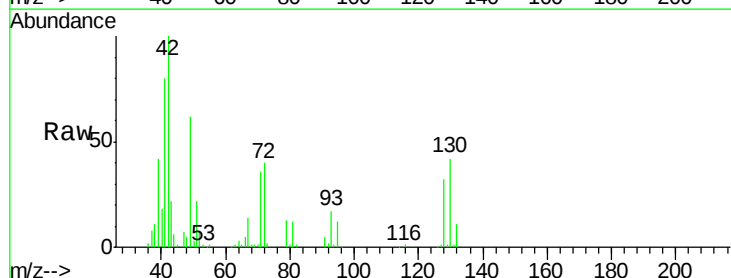
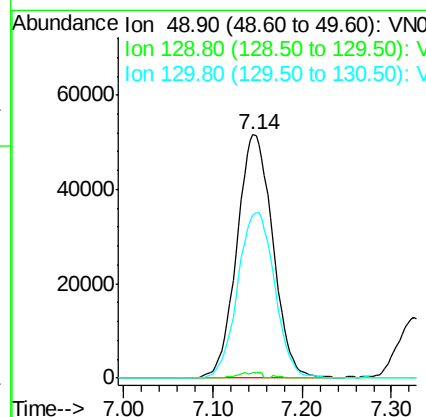
RT: 7.14 min Scan# 1681

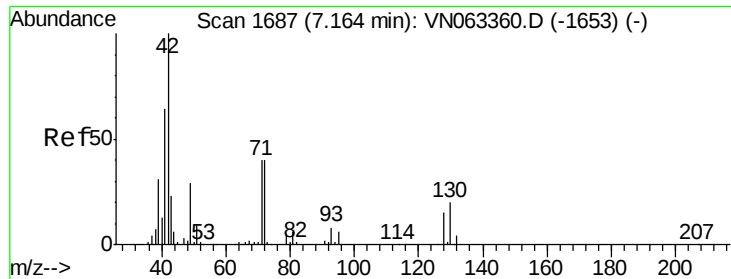
Delta R.T. -0.00 min

Lab File: VN063721.D

Acq: 29 Sep 2020 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	144706		
129	1.5	0.0	3.8	
130	69.8	52.2	78.2	





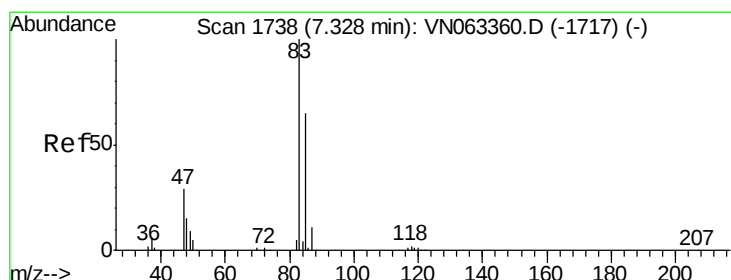
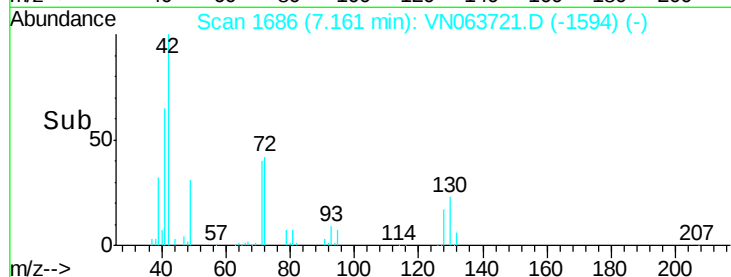
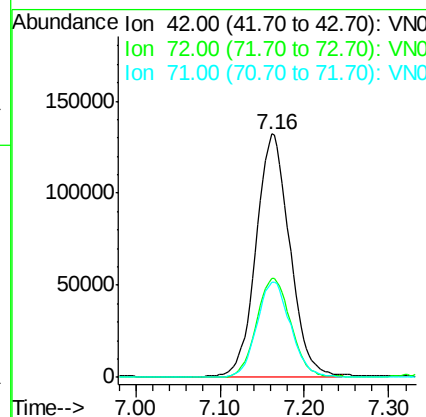
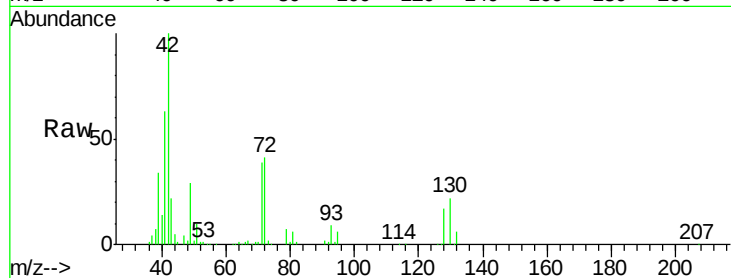
#29
Tetrahydrofuran
Concen: 225.563 ug/l
RT: 7.16 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VN063721.D
Acq: 29 Sep 2020 12:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.5	32.1	48.1
71	39.3	31.2	46.8

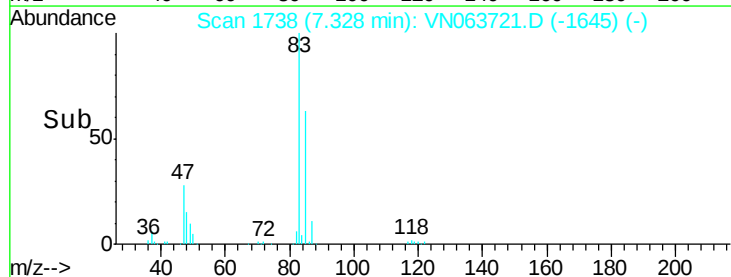
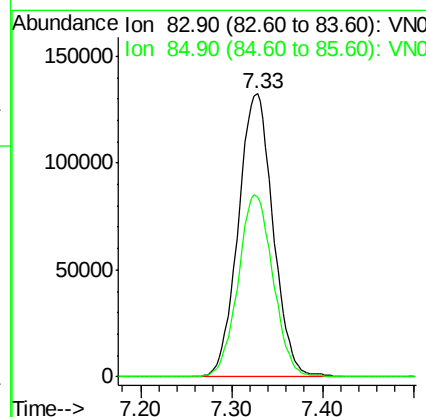
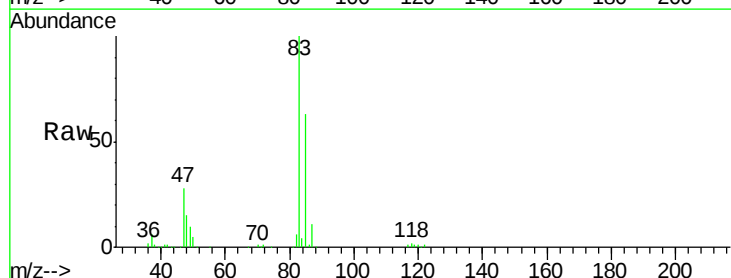
Manual Integrations
APPROVED

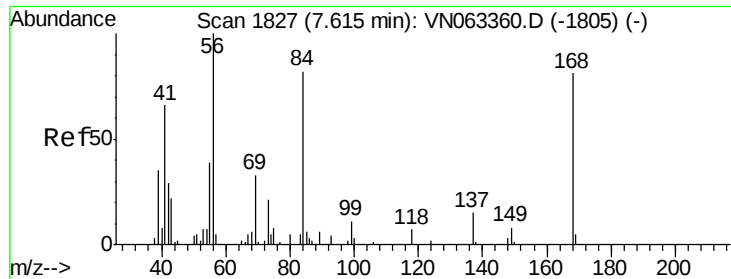
MMDadoda
9/30/2020 1:20:33 PM



#30
Chloroform
Concen: 49.885 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN063721.D
Acq: 29 Sep 2020 12:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	52.1	78.1





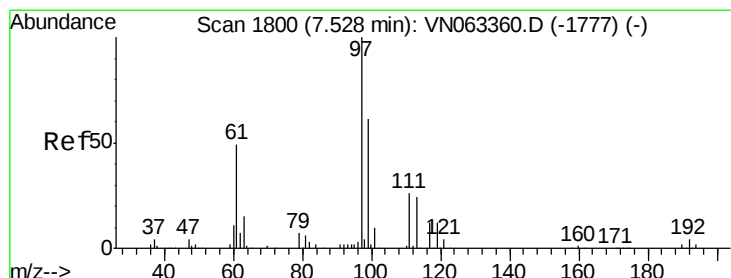
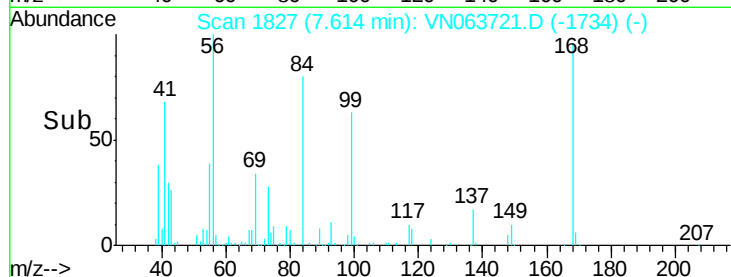
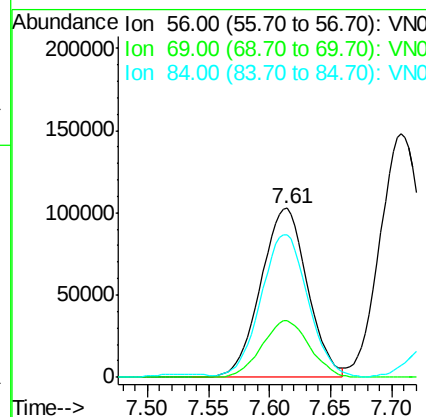
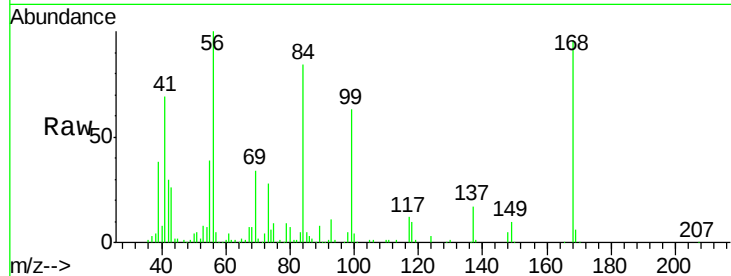
#31
Cyclohexane
Concen: 40.999 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN063721.D
Acq: 29 Sep 2020 12:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.7	26.1	39.1
84	82.4	65.4	98.2

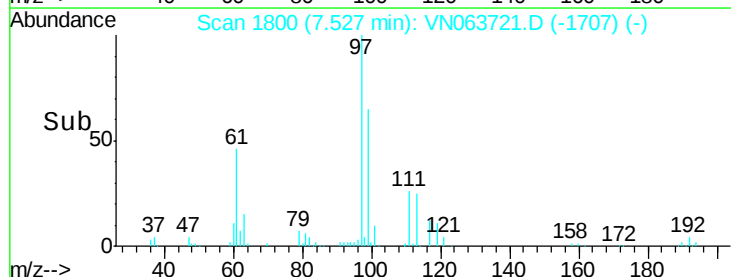
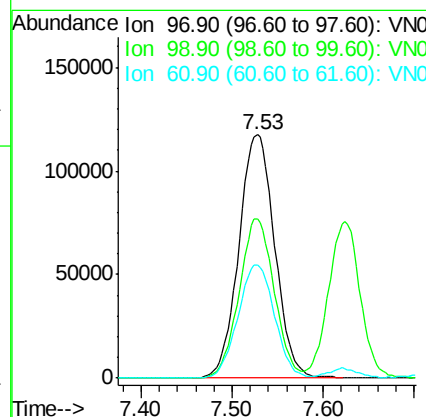
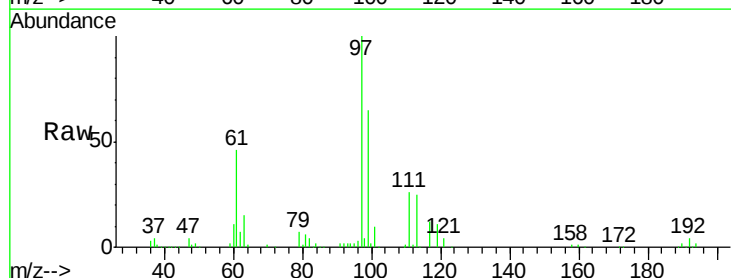
Manual Integrations
APPROVED

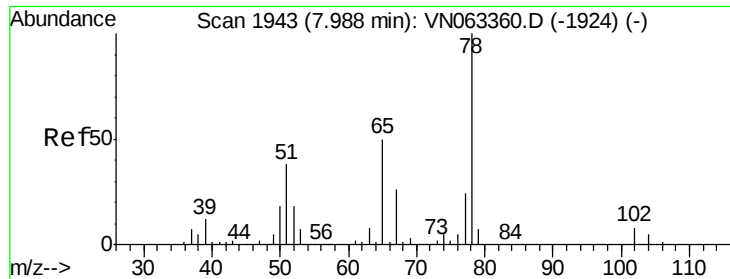
MMDadoda
9/30/2020 1:20:33 PM



#32
1,1,1-Trichloroethane
Concen: 51.198 ug/l
RT: 7.53 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VN063721.D
Acq: 29 Sep 2020 12:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	50.6	76.0
61	47.5	39.2	58.8





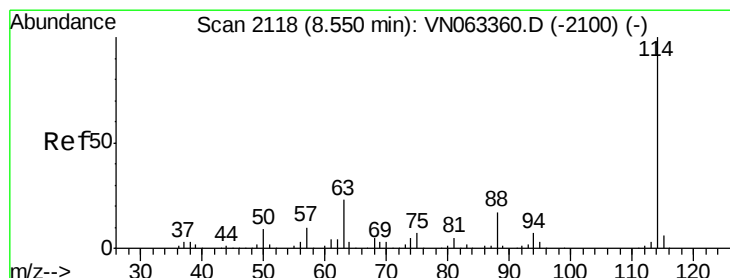
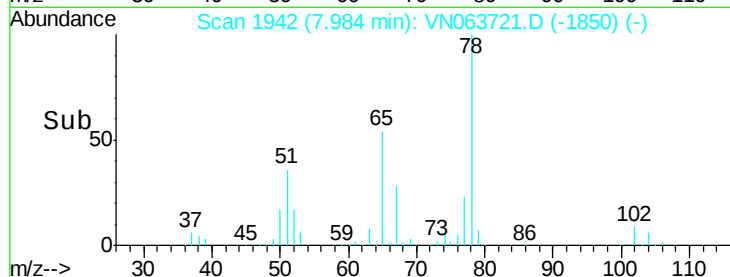
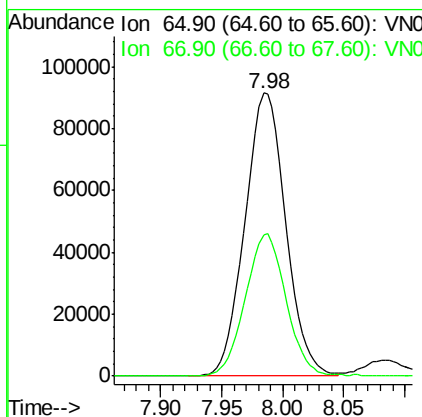
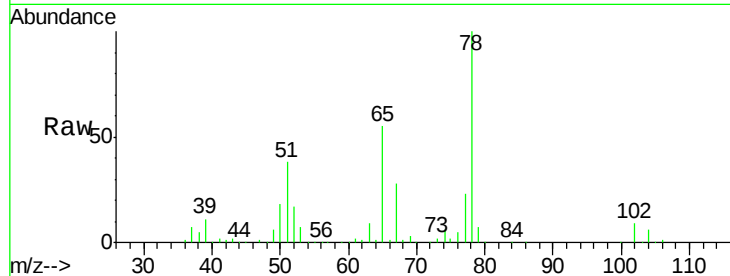
#33
 1,2-Dichloroethane-d4
 Concen: 43.997 ug/l
 RT: 7.98 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: VN063721.D
 Acq: 29 Sep 2020 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	211937		
67	50.1	0.0	104.2	

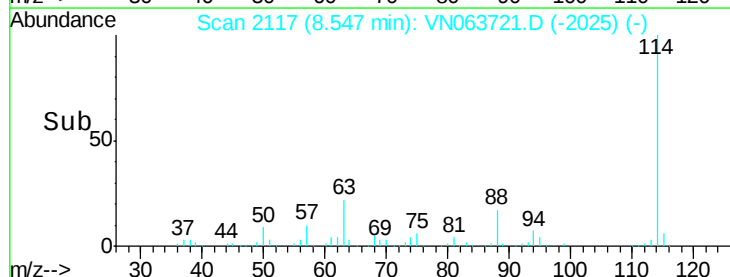
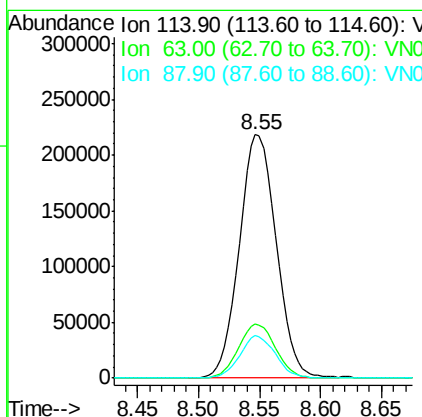
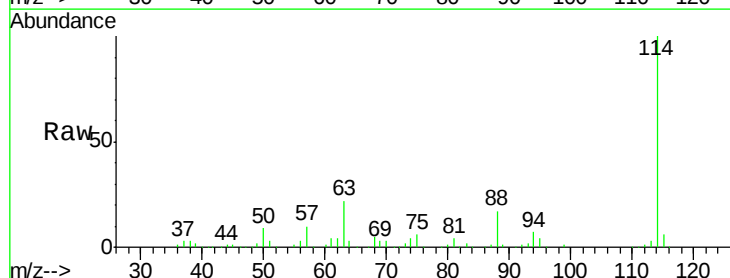
Manual Integrations
 APPROVED

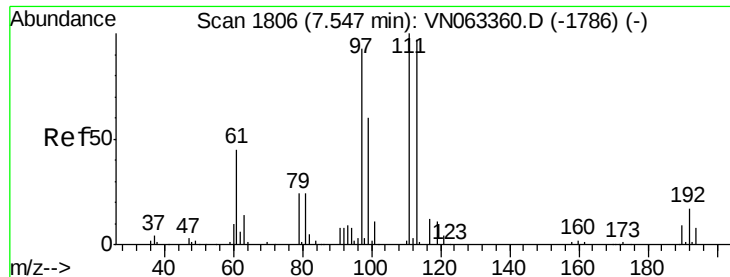
MMDadoda
 9/30/2020 1:20:33 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN063721.D
 Acq: 29 Sep 2020 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	458261		
63	22.3	0.0	46.4	
88	17.4	0.0	33.2	





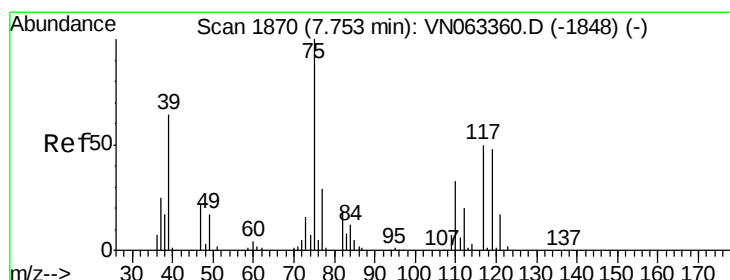
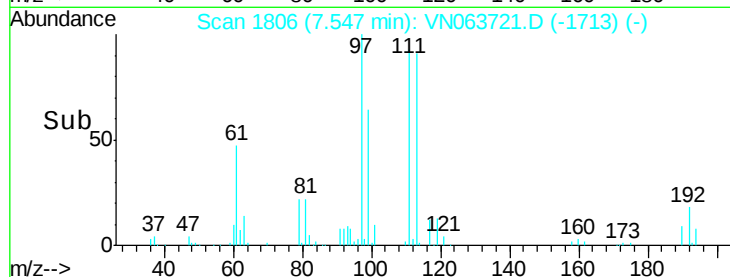
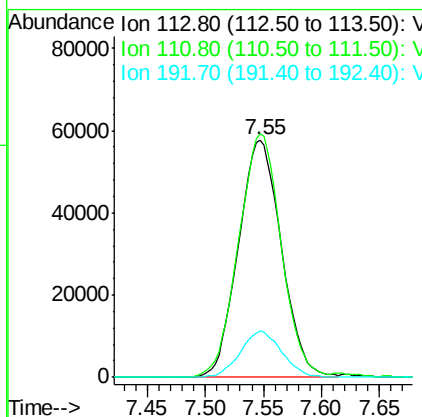
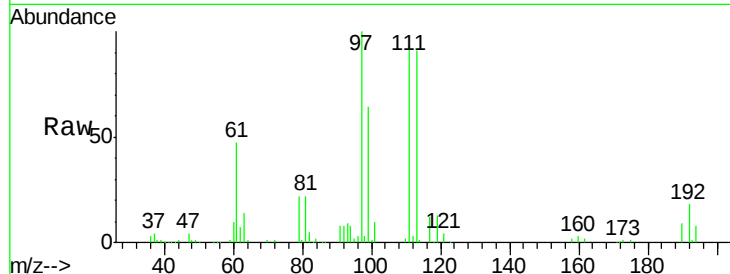
#35
 Dibromofluoromethane
 Concen: 46.822 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN063721.D
 Acq: 29 Sep 2020 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	148541		
111	102.1	82.9	124.3	
192	18.8	13.9	20.9	

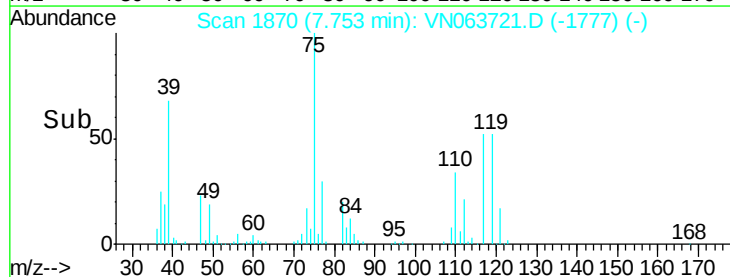
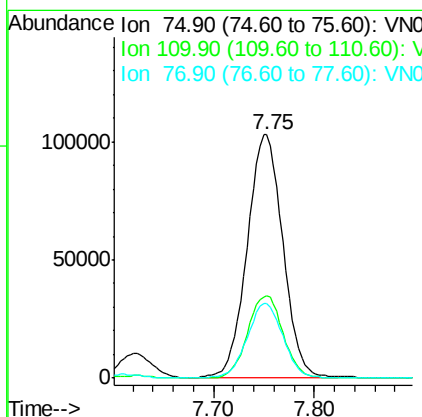
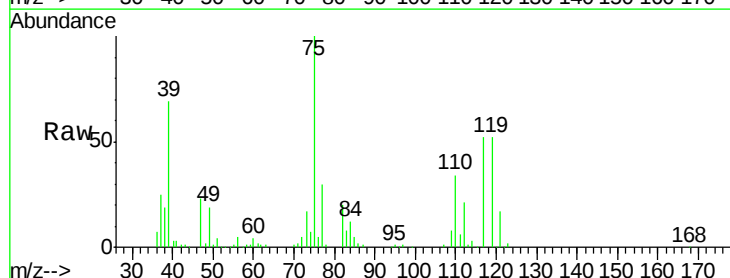
Manual Integrations
 APPROVED

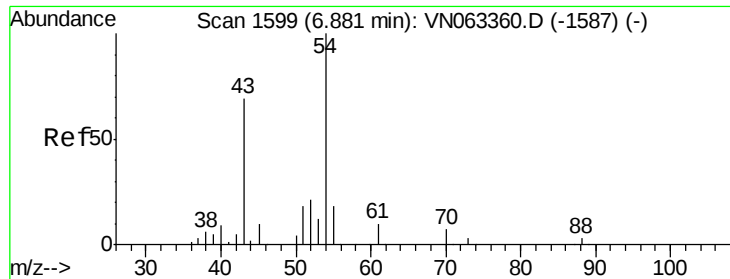
MMDadoda
 9/30/2020 1:20:33 PM



#36
 1,1-Dichloropropene
 Concen: 51.395 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN063721.D
 Acq: 29 Sep 2020 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	250919		
110	33.9	16.5	49.5	
77	31.0	24.6	36.8	





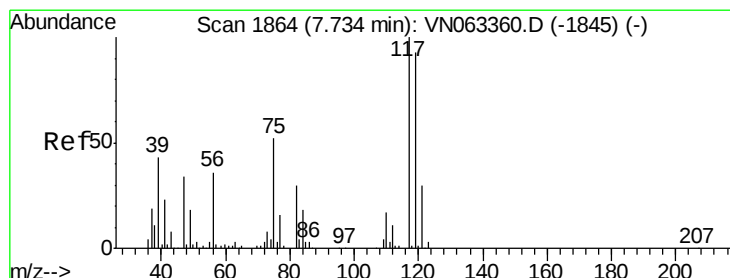
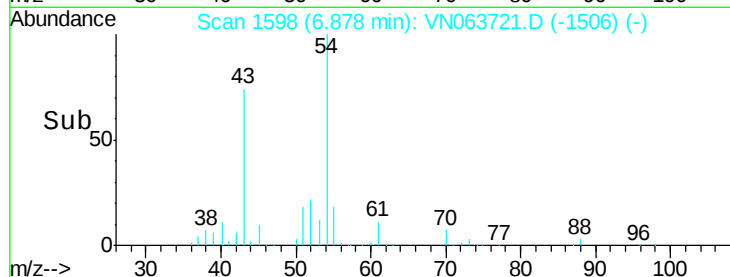
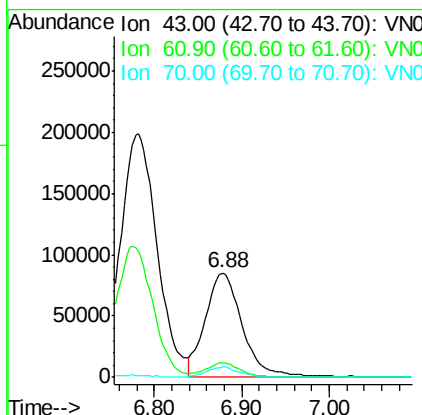
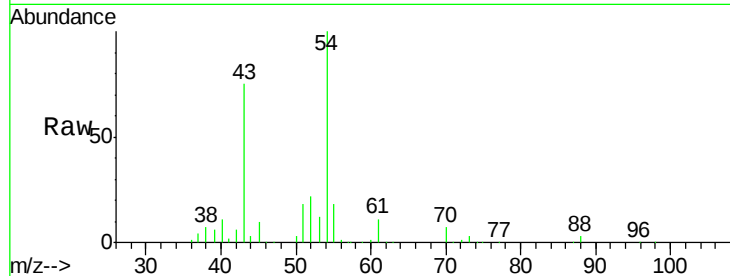
#37
Ethyl Acetate
Concen: 51.162 ug/l
RT: 6.88 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VN063721.D
Acq: 29 Sep 2020 12:18

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.6	15.8
70	9.1	7.2	10.8

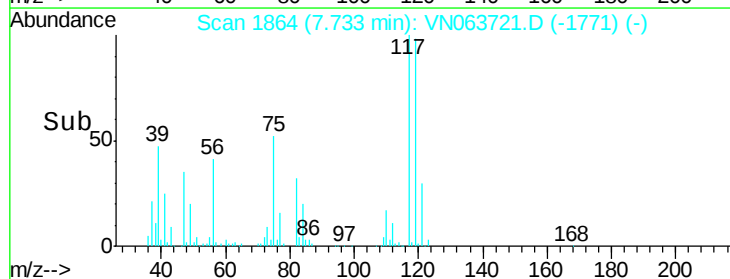
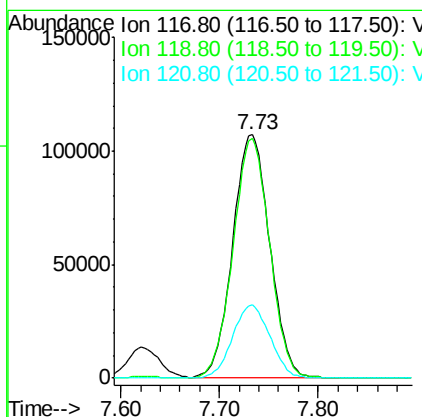
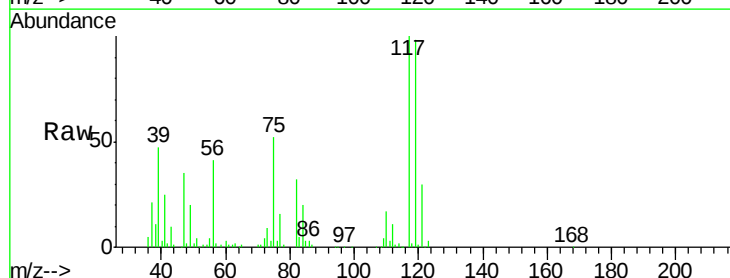
Manual Integrations
APPROVED

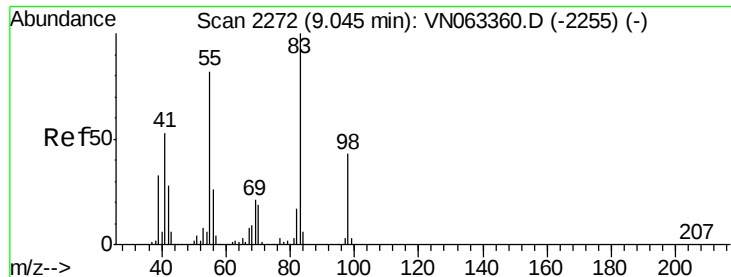
MMDadoda
9/30/2020 1:20:33 PM



#38
Carbon Tetrachloride
Concen: 55.936 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN063721.D
Acq: 29 Sep 2020 12:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.7	74.5	111.7
121	30.2	24.1	36.1





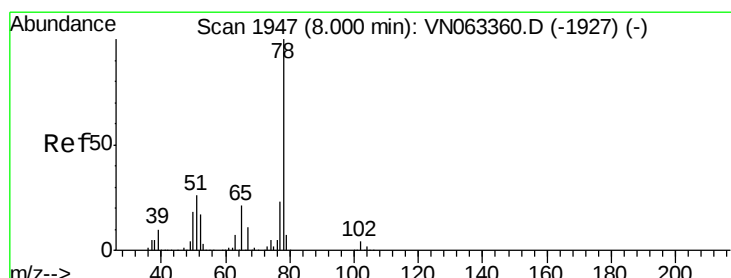
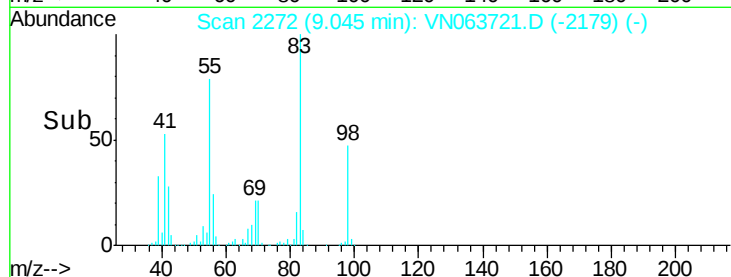
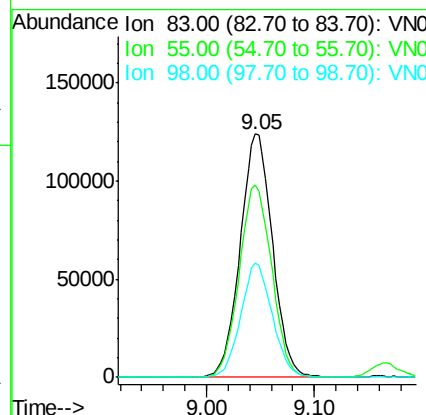
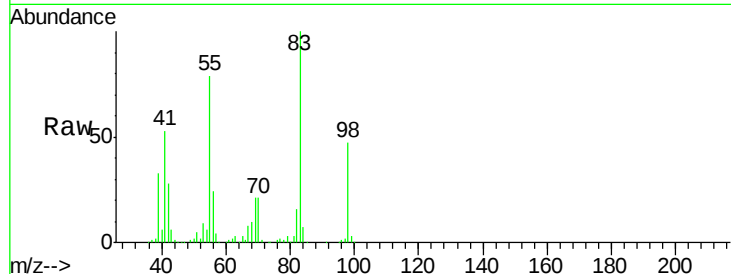
#39
Methvlcvclohexane
Concen: 48.810 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN063721.D
Acq: 29 Sep 2020 12:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	258626		
55	79.1		65.5	98.3
98	47.0		34.2	51.4

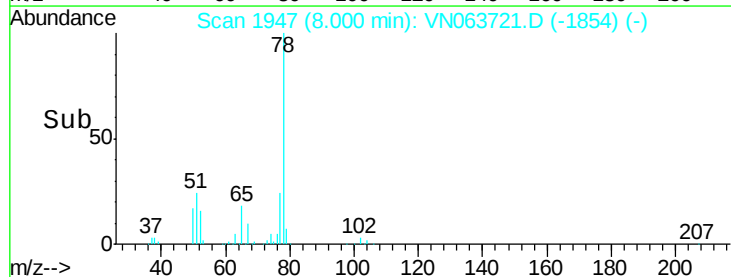
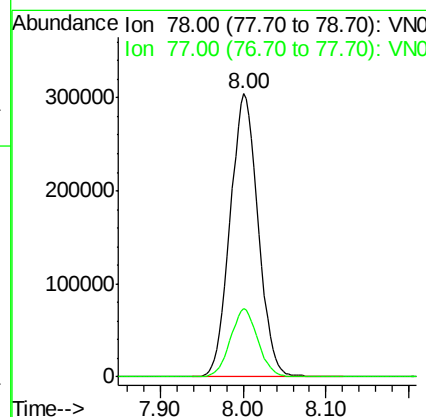
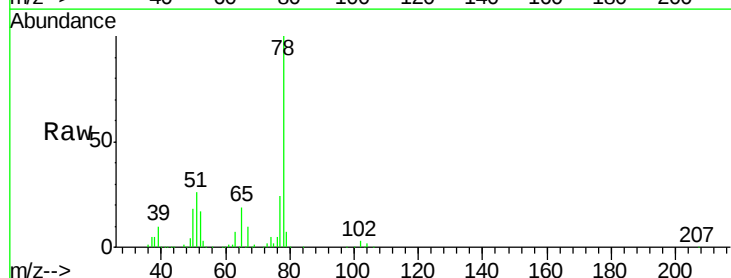
Manual Integrations
APPROVED

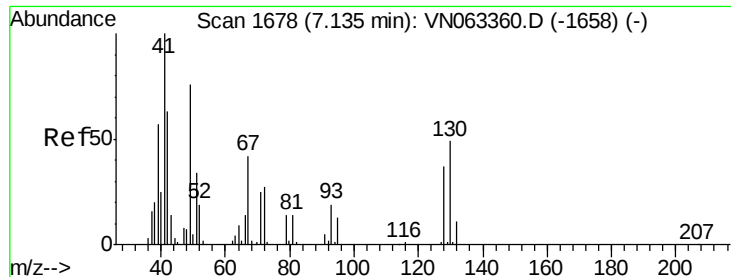
MMDadoda
9/30/2020 1:20:33 PM



#40
Benzene
Concen: 51.332 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN063721.D
Acq: 29 Sep 2020 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	715400		
77	24.2		18.3	27.5





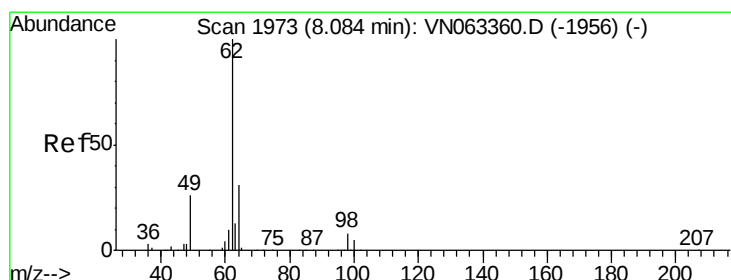
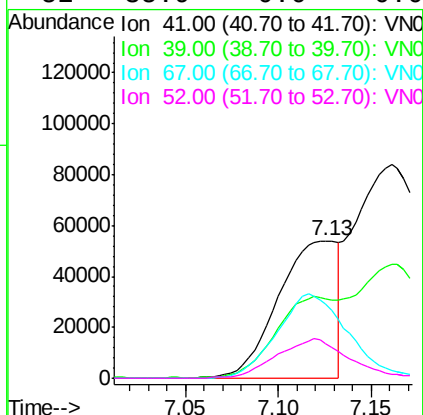
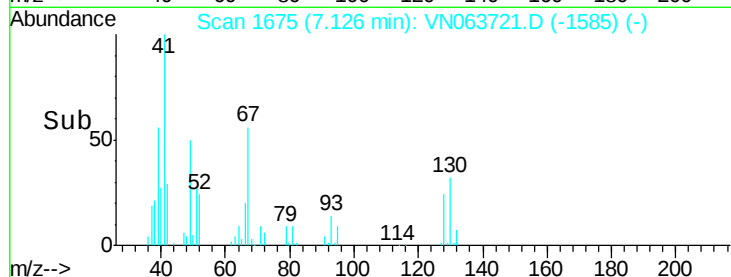
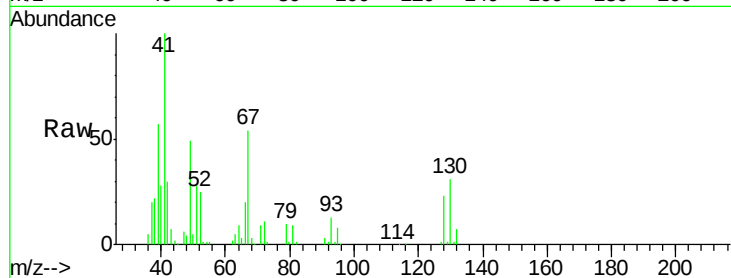
#41
Methacrylonitrile
Concen: 55.918 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. -0.01 min
Lab File: VN063721.D
Acq: 29 Sep 2020 12:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
41	100			
39	55.4	0.0	0.0	#
67	73.9	0.0	0.0	#
52	35.9	0.0	0.0	#

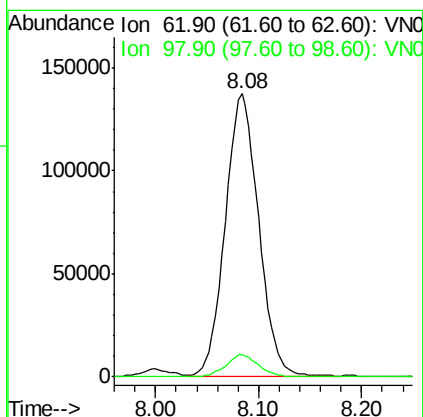
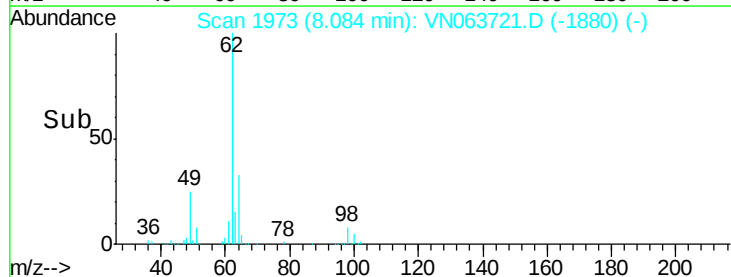
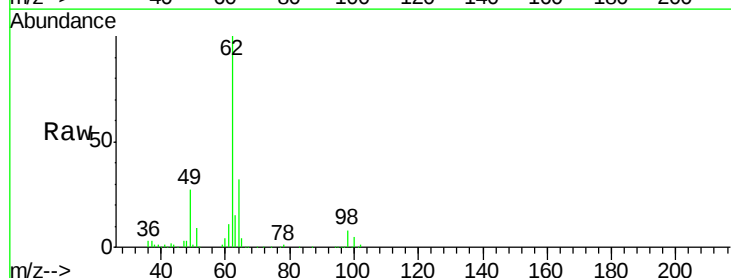
Manual Integrations
APPROVED

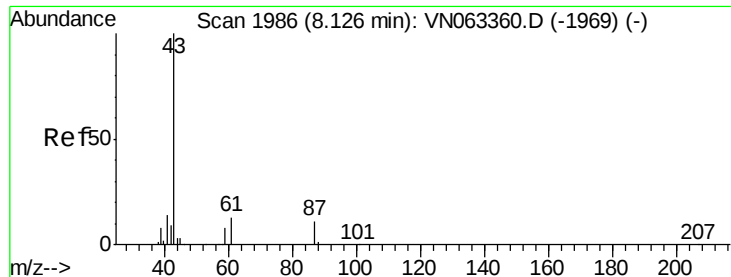
MMDadoda
9/30/2020 1:20:33 PM



#42
1,2-Dichloroethane
Concen: 55.112 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN063721.D
Acq: 29 Sep 2020 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
62	100			
98	7.6	0.0	15.6	





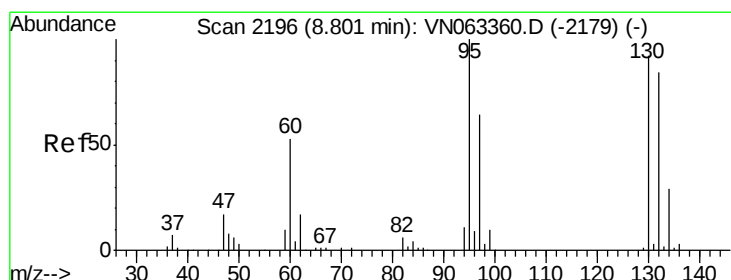
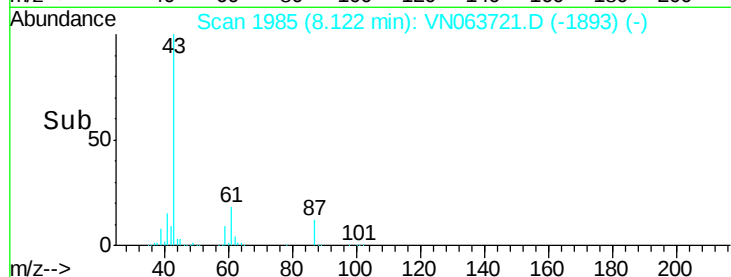
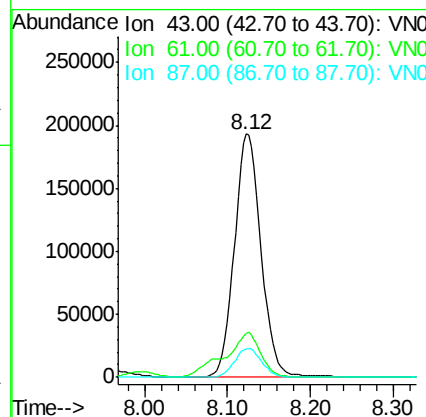
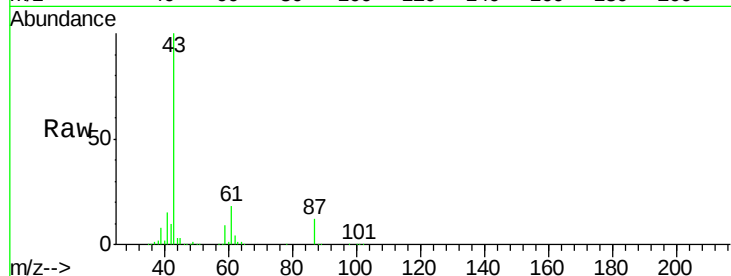
#43
Isopropyl Acetate
Concen: 50.277 ug/l
RT: 8.12 min Scan# 1985
Delta R.T. -0.00 min
Lab File: VN063721.D
Acq: 29 Sep 2020 12:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	24.9	14.2	21.2#
87	12.2	9.0	13.6

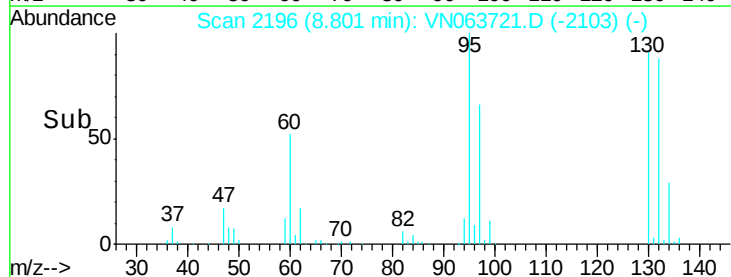
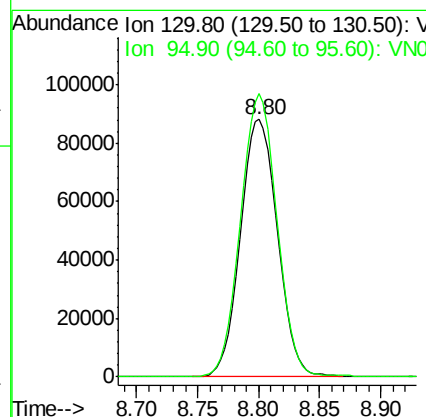
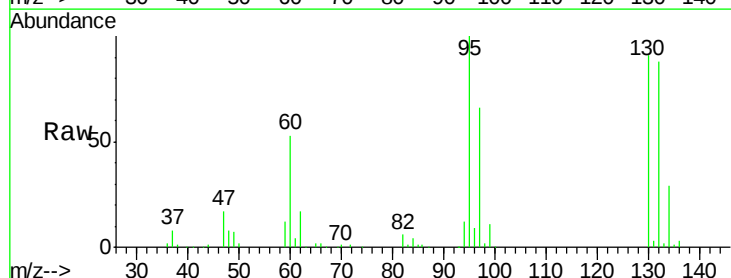
Manual Integrations
APPROVED

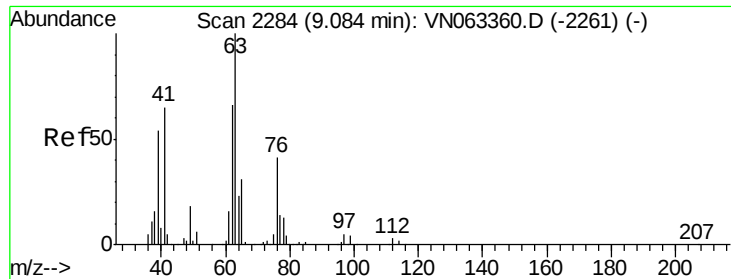
MMDadoda
9/30/2020 1:20:33 PM



#44
Trichloroethene
Concen: 54.874 ug/l
RT: 8.80 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN063721.D
Acq: 29 Sep 2020 12:18

Tgt Ion	Ratio	Lower	Upper
130	100		
95	109.9	0.0	217.4





#45

1,2-Dichloropropane

Concen: 51.473 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN063721.D

Acq: 29 Sep 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 195378

Ion Ratio Lower Upper

63 100

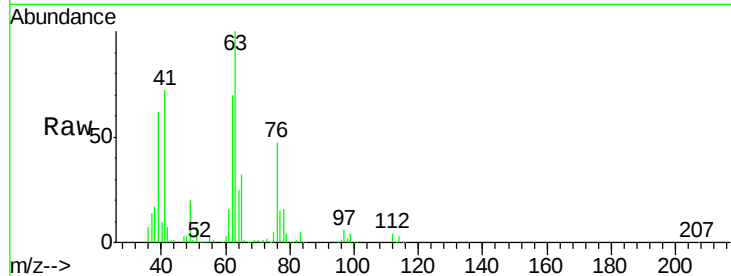
65 32.0 25.0 37.6

Manual Integrations

APPROVED

MMDadoda

9/30/2020 1:20:33 PM



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.08

100000

80000

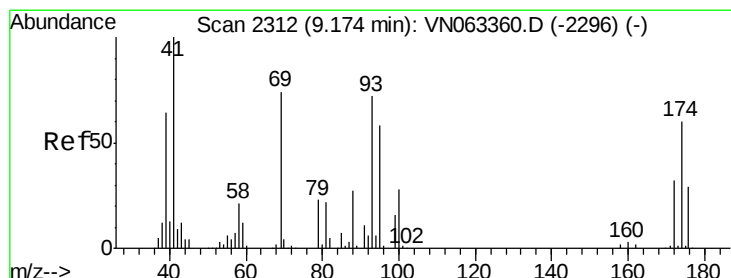
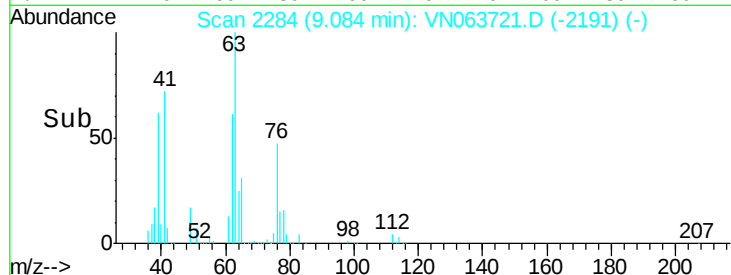
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 54.343 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN063721.D

Acq: 29 Sep 2020 12:18

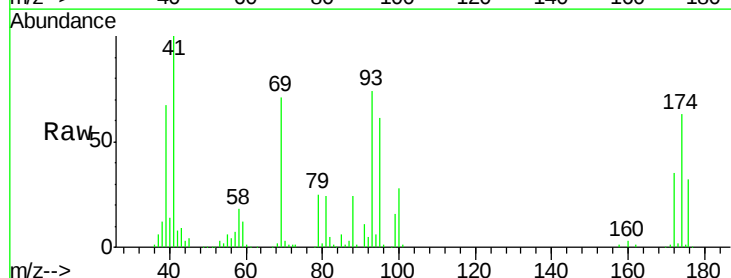
Tgt Ion: 93 Resp: 135575

Ion Ratio Lower Upper

93 100

95 82.9 65.6 98.4

174 89.2 68.1 102.1



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

9.17

80000

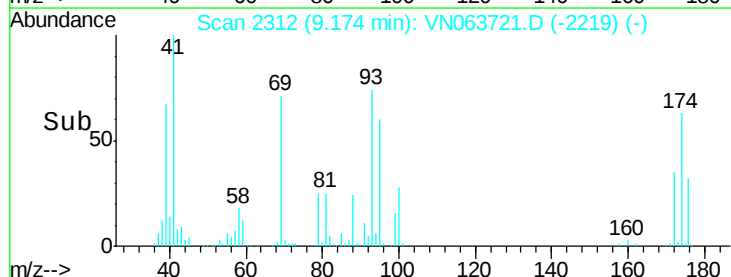
60000

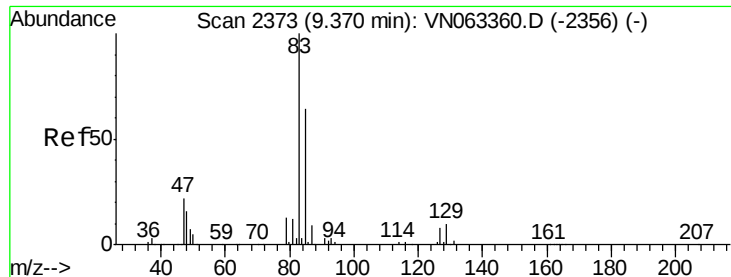
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 56.600 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN063721.D

Acq: 29 Sep 2020 12:18

Instrument :

MSVOA_N

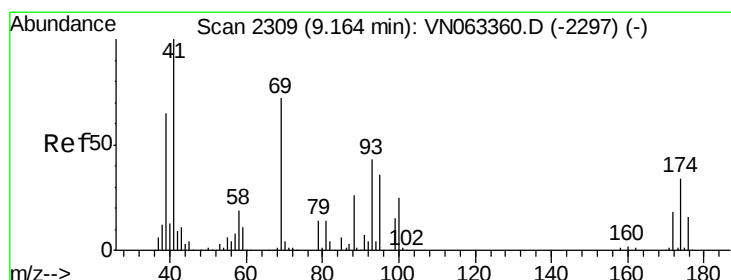
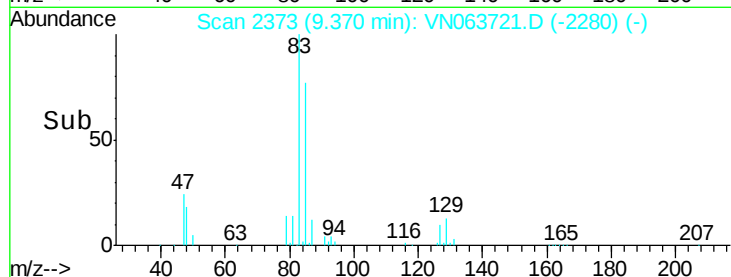
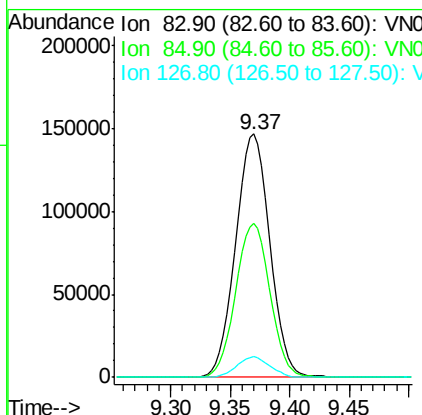
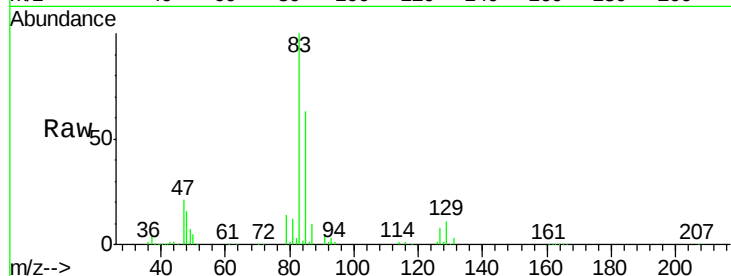
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	293348
Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.0	76.6
127	8.5	6.3	9.5

Manual Integrations
APPROVED

MMDadoda
9/30/2020 1:20:33 PM



#48

Methyl methacrylate

Concen: 50.416 ug/l

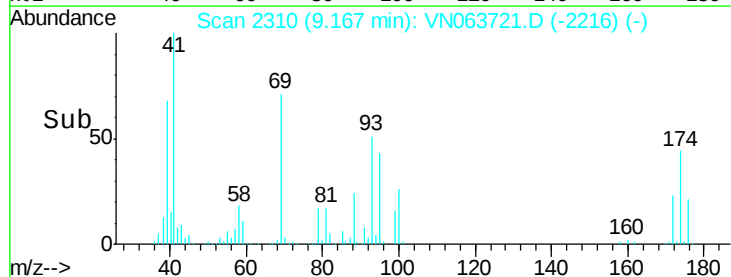
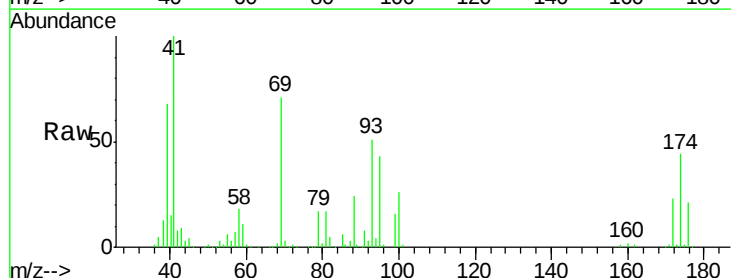
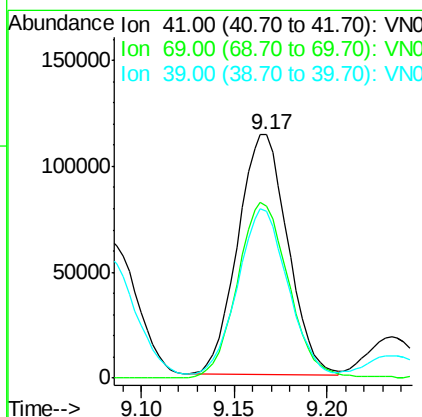
RT: 9.17 min Scan# 2310

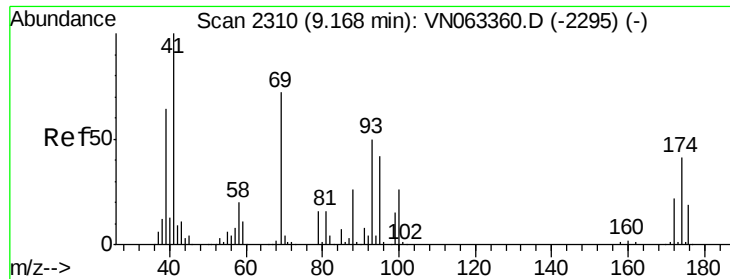
Delta R.T. 0.00 min

Lab File: VN063721.D

Acq: 29 Sep 2020 12:18

Tgt Ion:	41	Resp:	212224
Ion	Ratio	Lower	Upper
41	100		
69	75.2	59.3	88.9
39	71.7	52.9	79.3





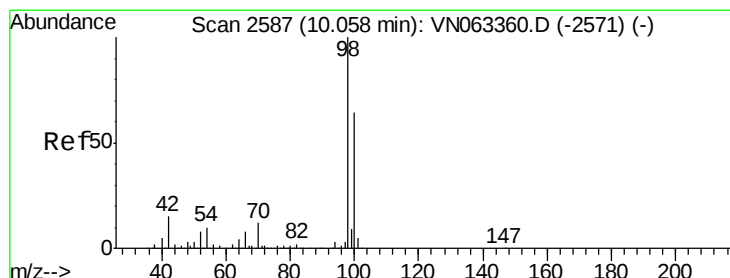
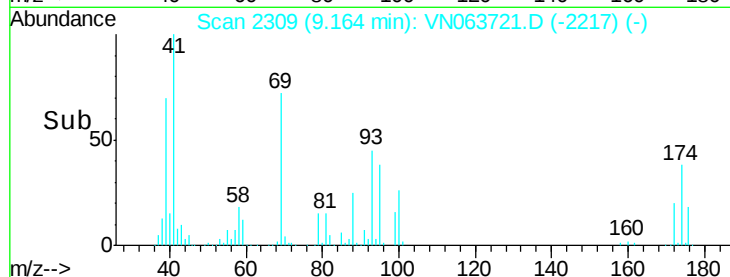
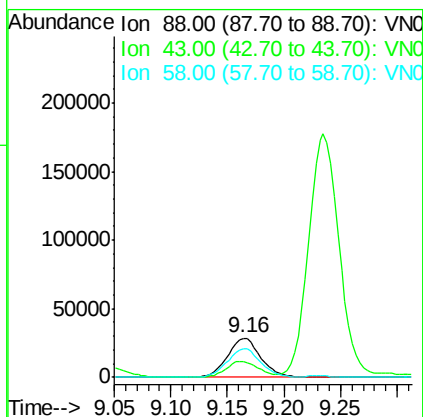
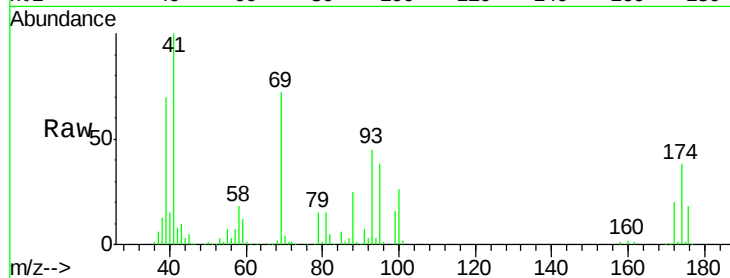
#49
1,4-Dioxane
Concen: 972.651 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN063721.D
Acq: 29 Sep 2020 12:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.0	32.6	49.0
58	72.9	60.0	90.0

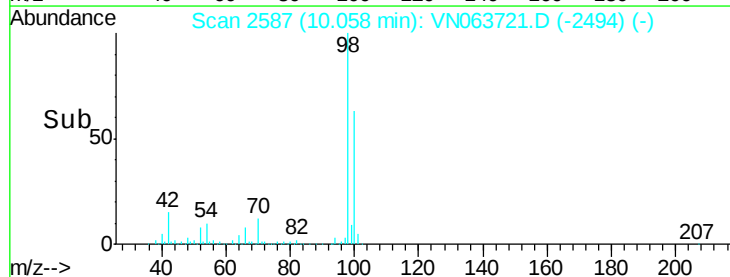
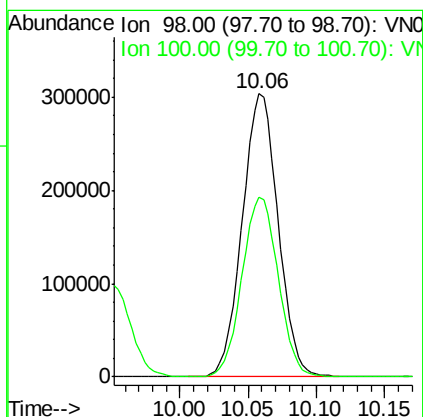
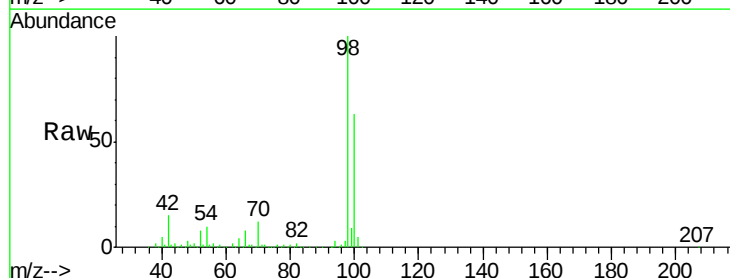
Manual Integrations
APPROVED

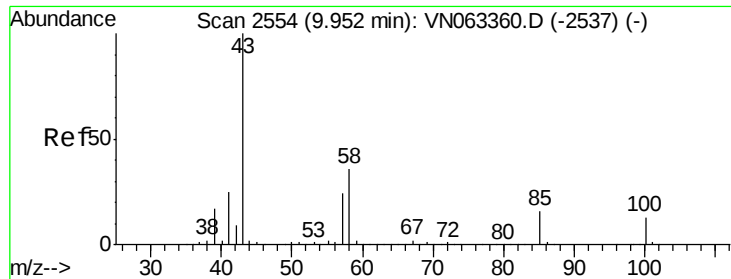
MMDadoda
9/30/2020 1:20:33 PM



#50
Toluene-d8
Concen: 46.471 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN063721.D
Acq: 29 Sep 2020 12:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 264.932 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN063721.D

Acq: 29 Sep 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1270770

Ion Ratio Lower Upper

43 100

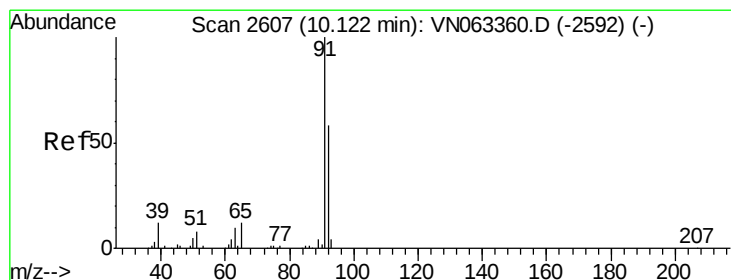
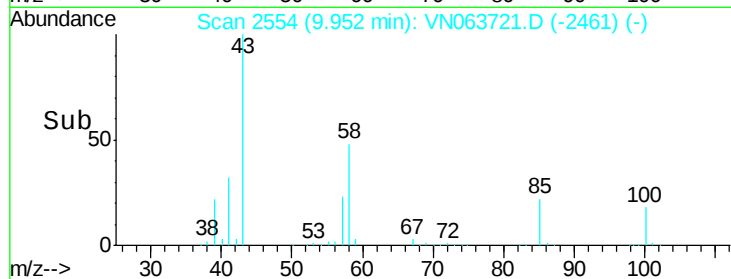
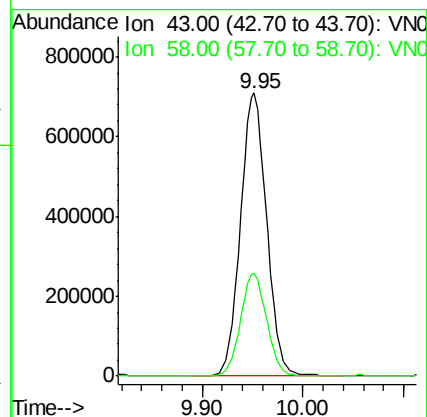
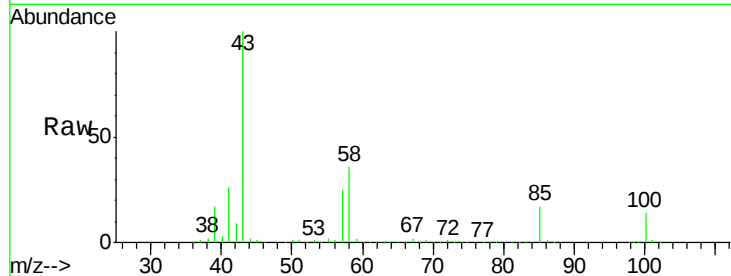
58 36.3 29.0 43.6

Manual Integrations

APPROVED

MMDadoda

9/30/2020 1:20:33 PM



#52

Toluene

Concen: 55.190 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN063721.D

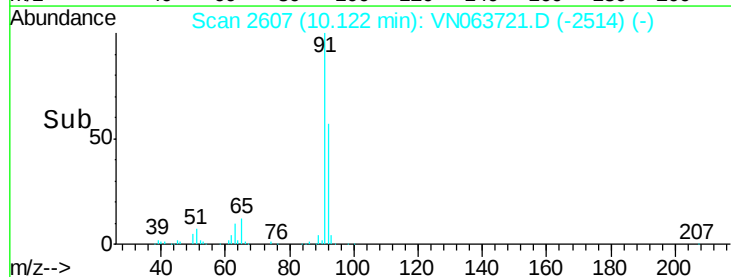
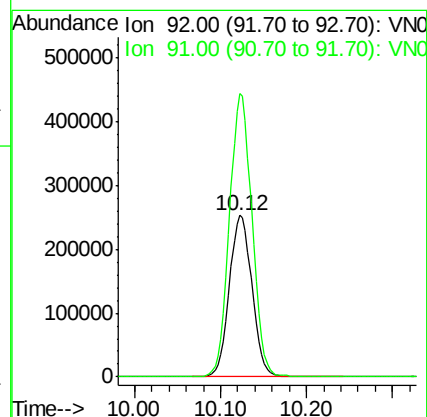
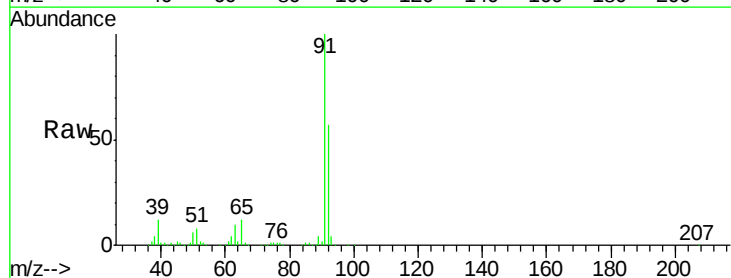
Acq: 29 Sep 2020 12:18

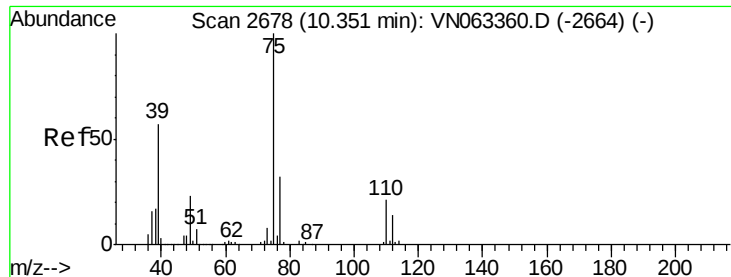
Tgt Ion: 92 Resp: 462452

Ion Ratio Lower Upper

92 100

91 175.2 139.7 209.5





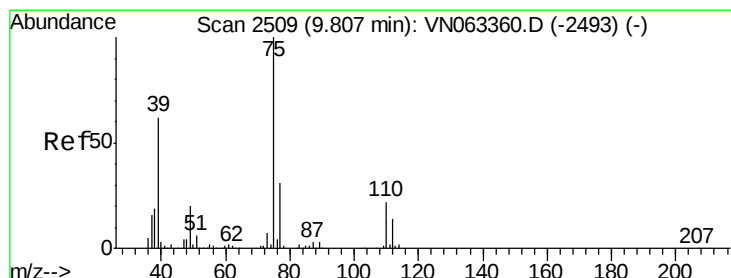
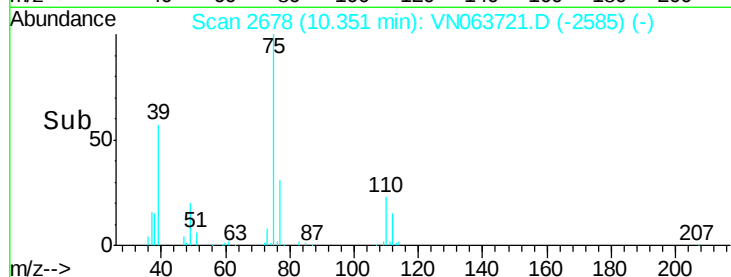
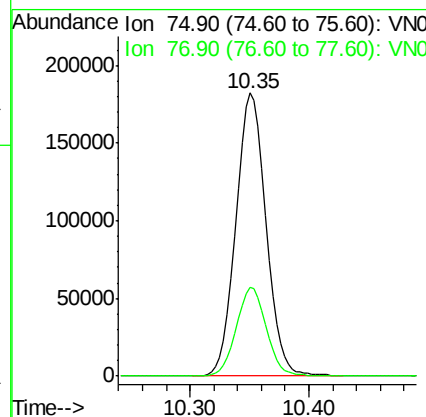
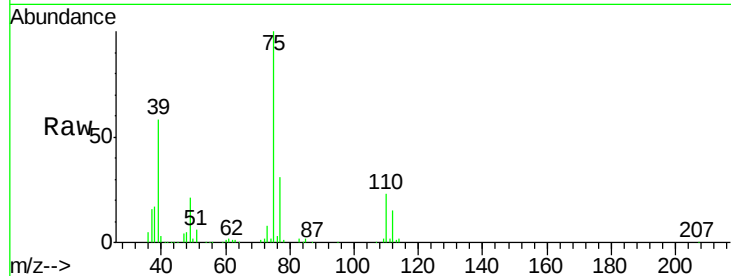
#53
 t-1,3-Dichloropropene
 Concen: 55.387 ug/l
 RT: 10.35 min Scan# 2678
 Delta R.T. -0.00 min
 Lab File: VN063721.D
 Acq: 29 Sep 2020 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 320470
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.4 38.2

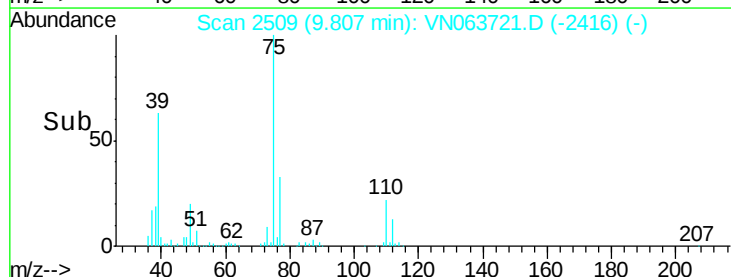
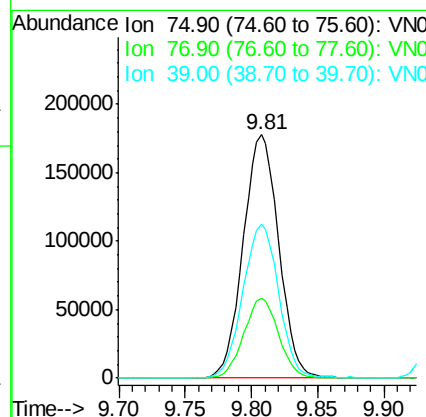
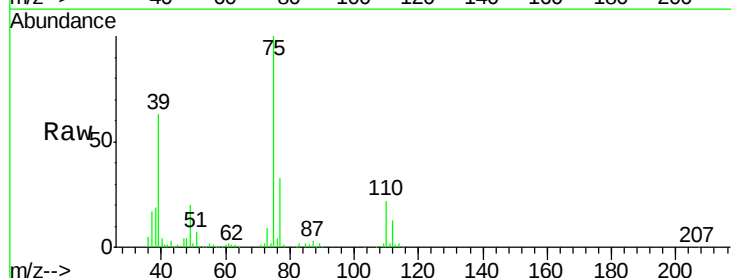
Manual Integrations
 APPROVED

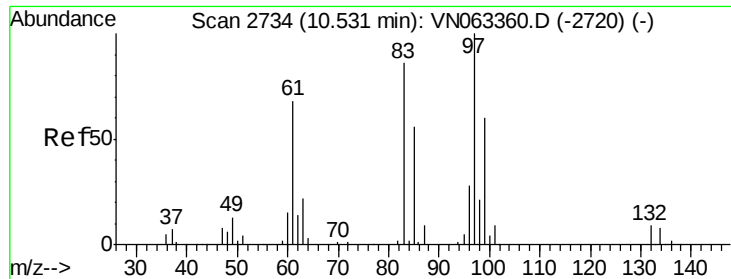
MMDadoda
 9/30/2020 1:20:33 PM



#54
 cis-1,3-Dichloropropene
 Concen: 54.338 ug/l
 RT: 9.81 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN063721.D
 Acq: 29 Sep 2020 12:18

Tgt Ion: 75 Resp: 331630
 Ion Ratio Lower Upper
 75 100
 77 32.9 24.6 37.0
 39 63.1 49.8 74.8





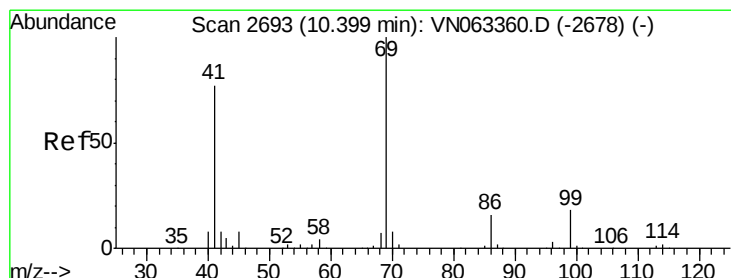
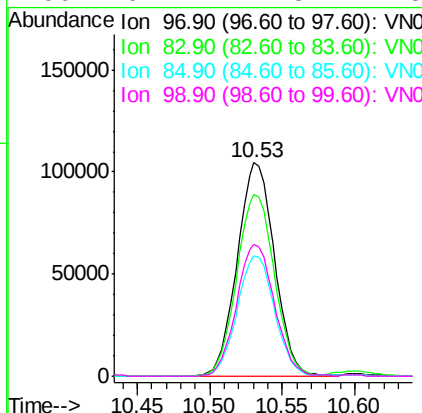
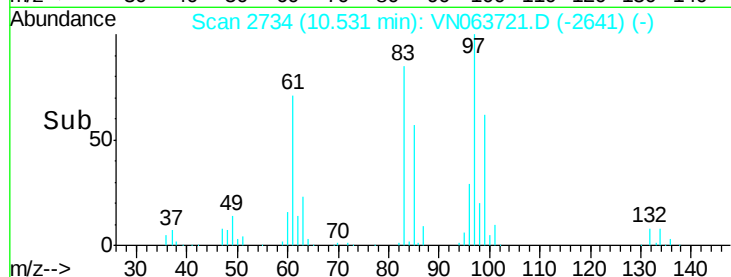
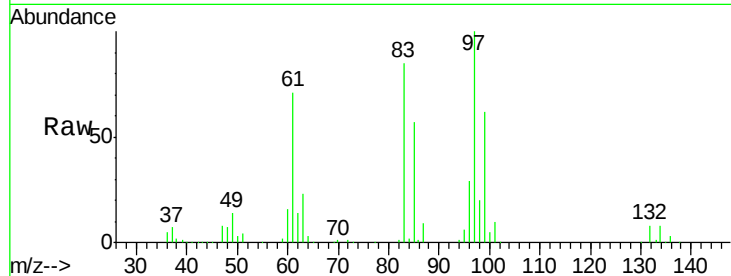
#55
 1,1,2-Trichloroethane
 Concen: 56.246 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN063721.D
 Acq: 29 Sep 2020 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	187201
Ion	Ratio	Lower	Upper
97	100		
83	85.4	68.9	103.3
85	56.6	44.8	67.2
99	61.4	47.8	71.8

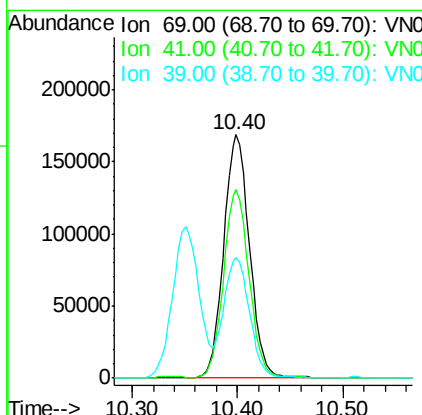
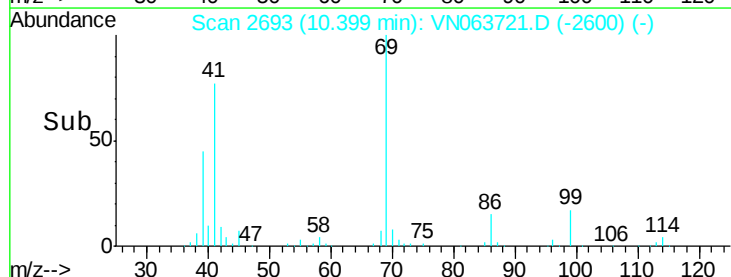
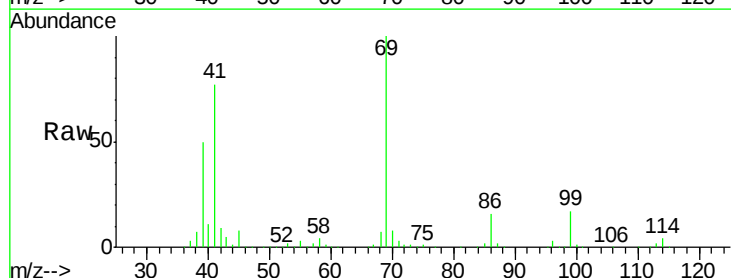
Manual Integrations
 APPROVED

MMDadoda
 9/30/2020 1:20:33 PM



#56
 Ethyl methacrylate
 Concen: 54.936 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. -0.00 min
 Lab File: VN063721.D
 Acq: 29 Sep 2020 12:18

Tgt Ion:	69	Resp:	285437
Ion	Ratio	Lower	Upper
69	100		
41	75.7	61.0	91.6
39	49.2	39.2	58.8





#57

1,3-Dichloropropane

Concen: 52.862 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN063721.D

Acq: 29 Sep 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 317274

Ion Ratio Lower Upper

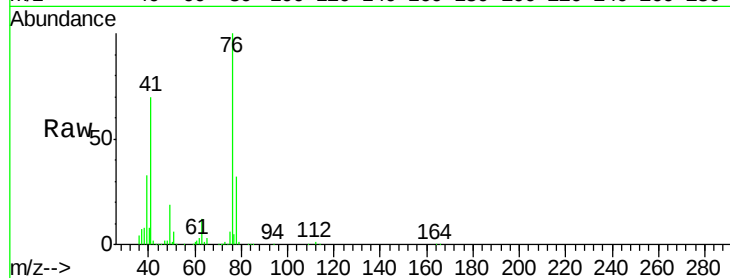
76 100

78 31.9 25.8 38.8

Manual Integrations
APPROVED

MMDadoda

9/30/2020 1:20:33 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.68

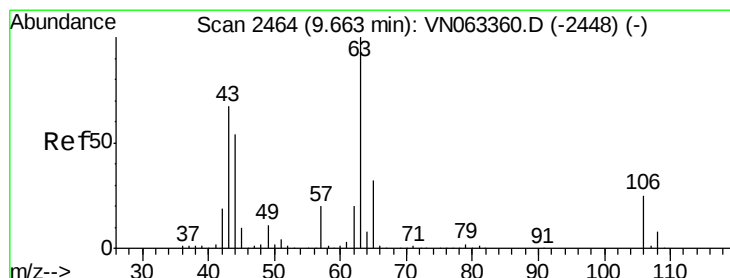
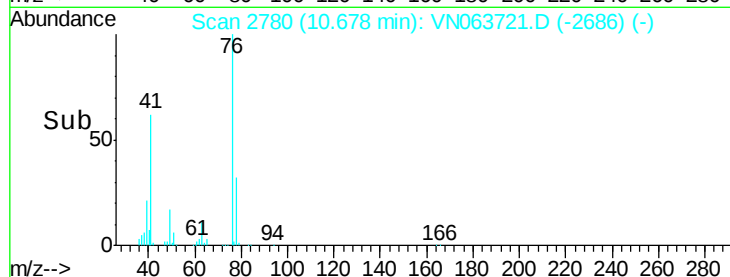
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 223.835 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN063721.D

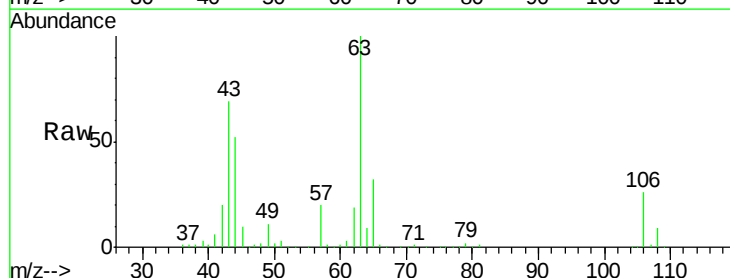
Acq: 29 Sep 2020 12:18

Tgt Ion: 63 Resp: 610087

Ion Ratio Lower Upper

63 100

106 26.8 19.5 29.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.66

400000

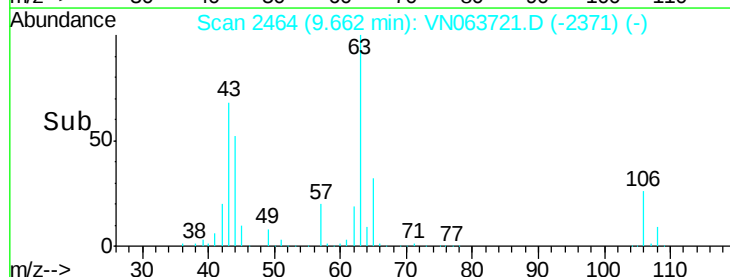
300000

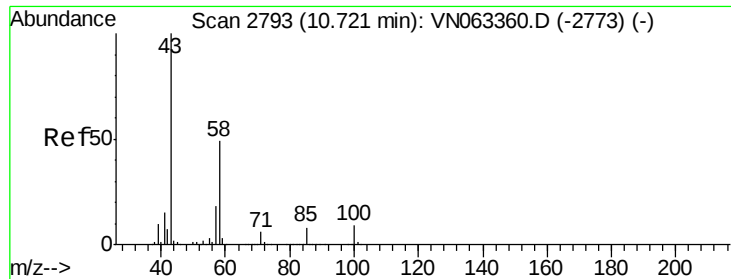
200000

100000

0

Time-->





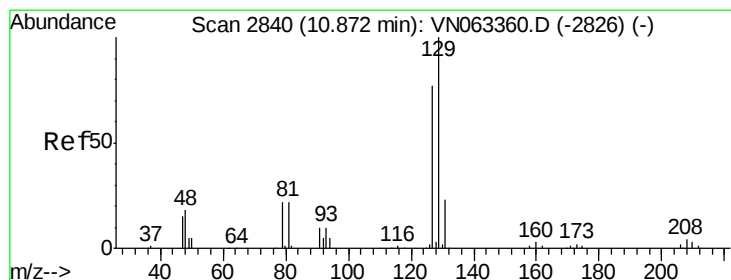
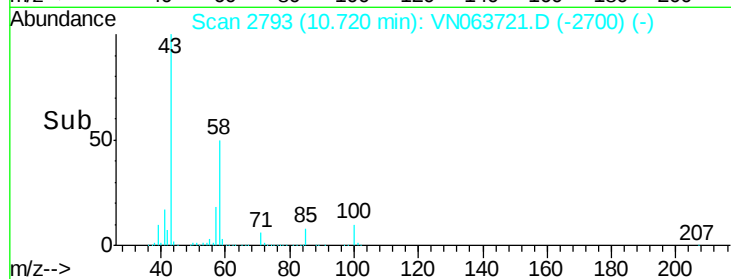
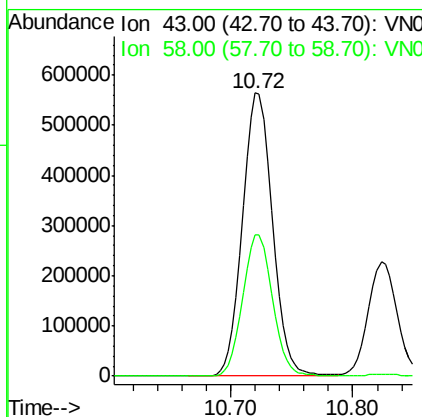
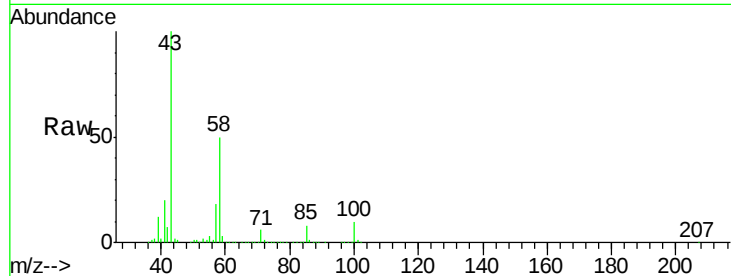
#59
2-Hexanone
Concen: 274.651 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN063721.D
Acq: 29 Sep 2020 12:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 954411
Ion Ratio Lower Upper
43 100
58 49.6 24.7 74.1

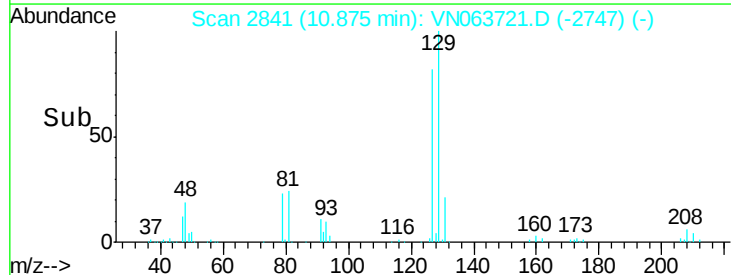
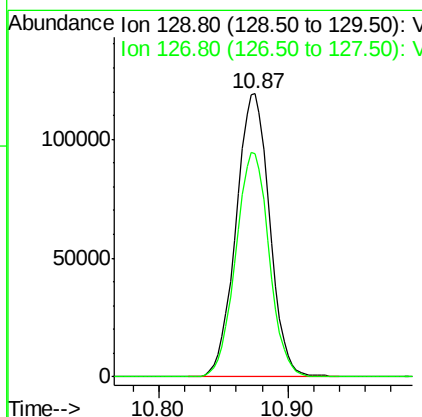
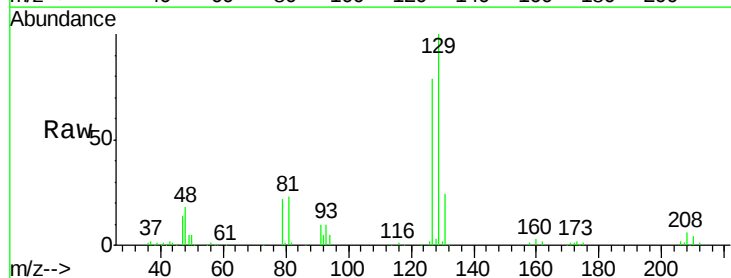
Manual Integrations
APPROVED

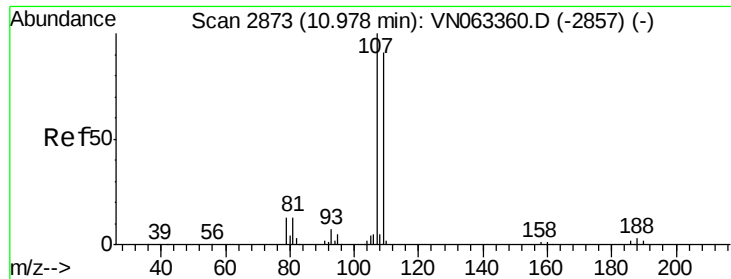
MMDadoda
9/30/2020 1:20:33 PM



#60
Dibromochloromethane
Concen: 57.446 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN063721.D
Acq: 29 Sep 2020 12:18

Tgt Ion: 129 Resp: 215998
Ion Ratio Lower Upper
129 100
127 78.9 39.1 117.3





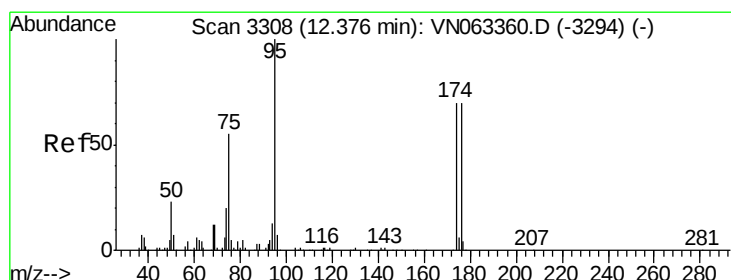
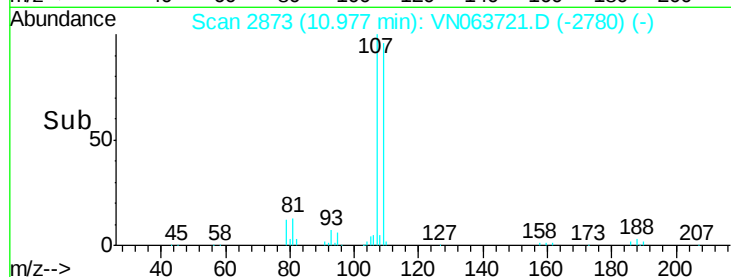
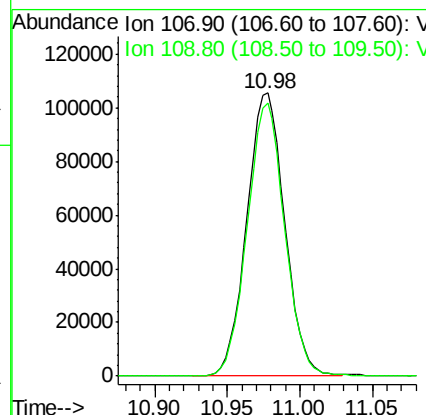
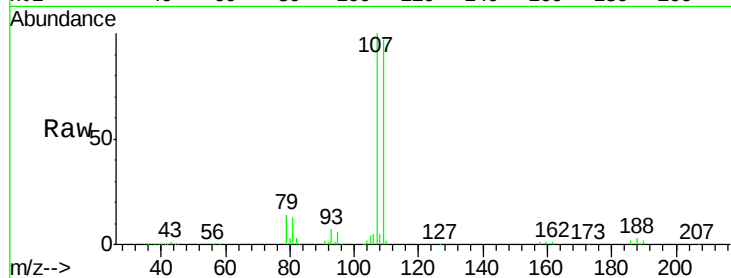
#61
 1,2-Dibromoethane
 Concen: 55.550 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. -0.00 min
 Lab File: VN063721.D
 Acq: 29 Sep 2020 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.4	74.6	111.8

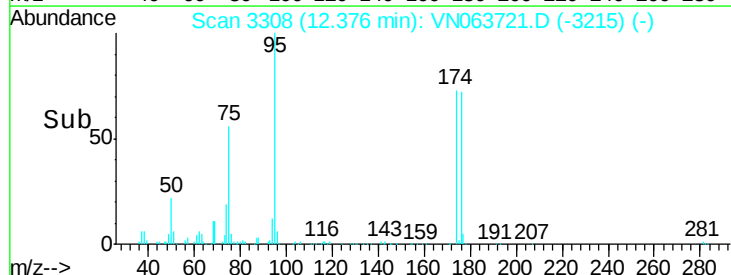
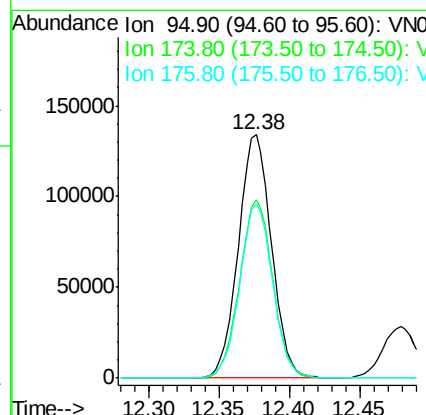
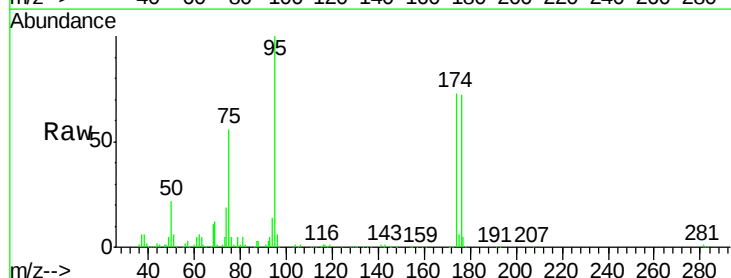
Manual Integrations
 APPROVED

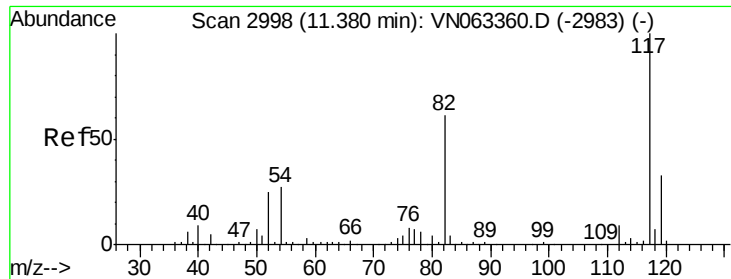
MMDadoda
 9/30/2020 1:20:33 PM



#62
 4-Bromofluorobenzene
 Concen: 50.554 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.00 min
 Lab File: VN063721.D
 Acq: 29 Sep 2020 12:18

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.4	0.0	140.8
176	71.4	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: VN063721.D

Acq: 29 Sep 2020 12:18

Instrument :

MSVOA_N

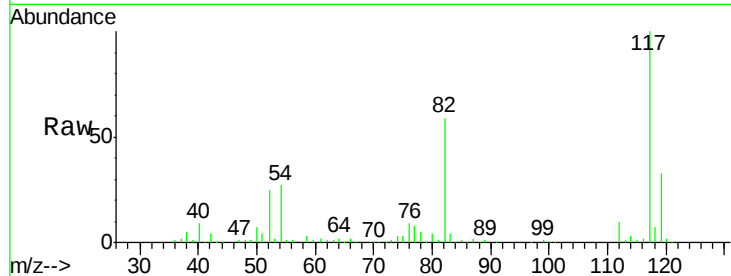
ClientSampleId :

VSTDCCC050

Tot Ion:	117	Resp:	428323
Ion Ratio	Lower	Upper	
117	100		
82	59.1	49.2	73.8
119	32.6	26.2	39.4

Manual Integrations
APPROVED

MMDadoda
9/30/2020 1:20:33 PM

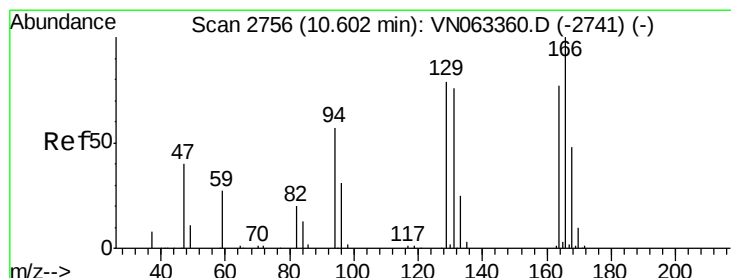
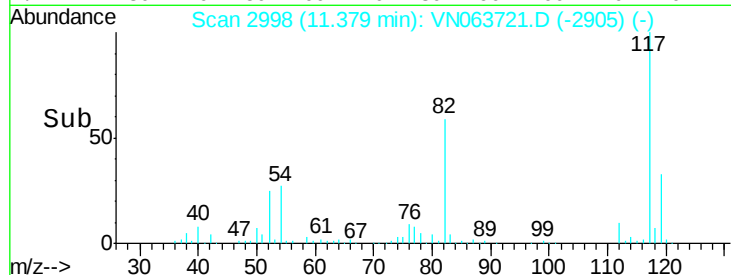
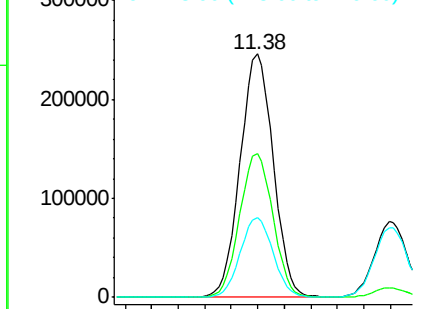


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 58.739 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VN063721.D

Acq: 29 Sep 2020 12:18

Tgt Ion:	164	Resp:	171316
Ion Ratio	Lower	Upper	
164	100		
166	126.9	103.4	155.0
129	101.2	81.8	122.6
131	95.6	78.2	117.4

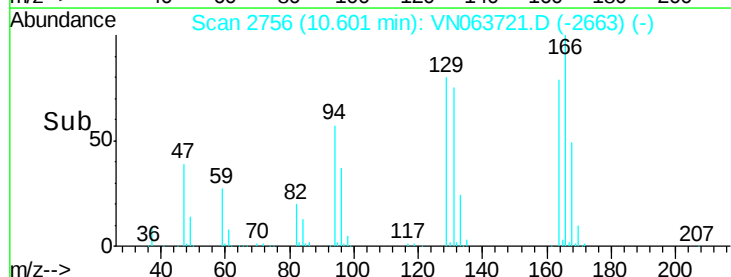
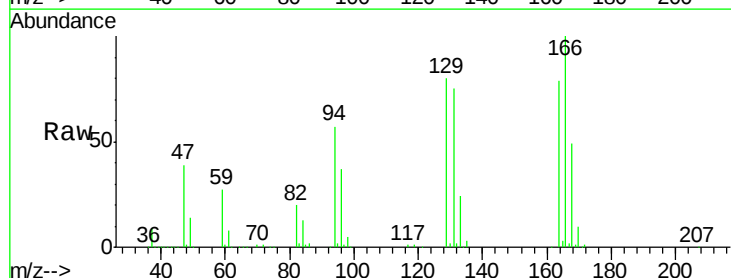
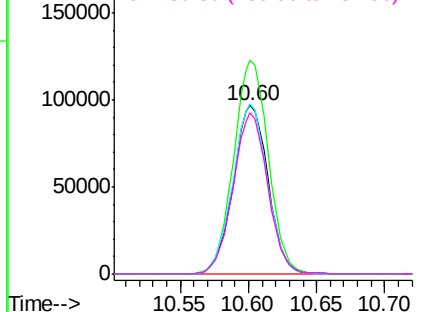
Abundance

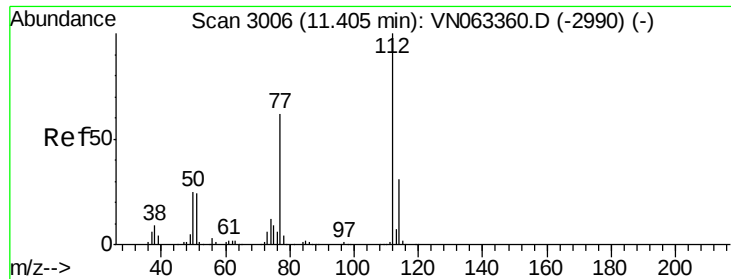
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





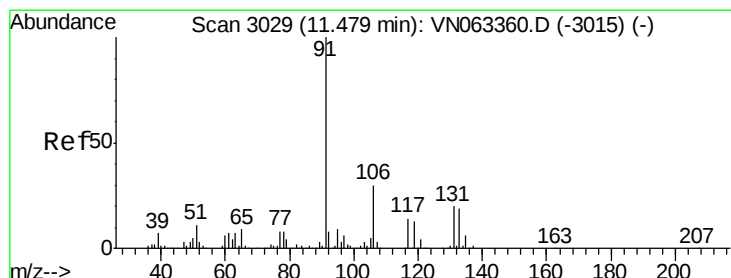
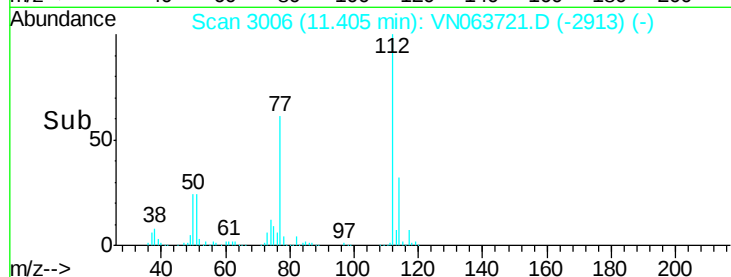
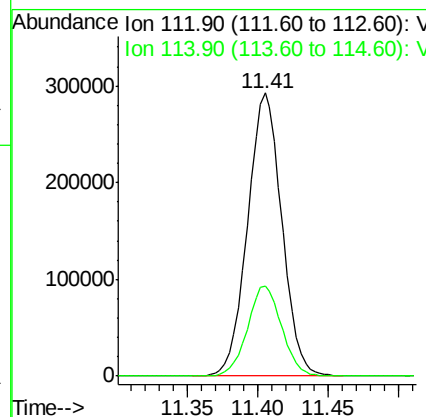
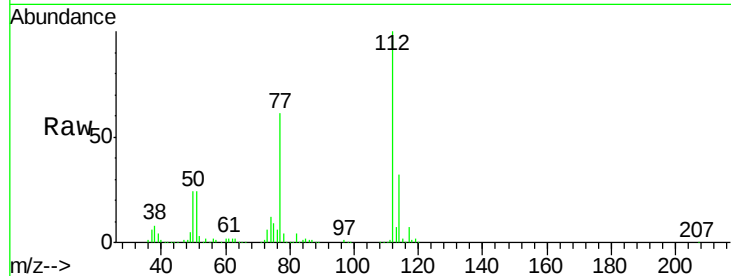
#65
Chlorobenzene
Concen: 54.735 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN063721.D
Acq: 29 Sep 2020 12:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.0	37.6

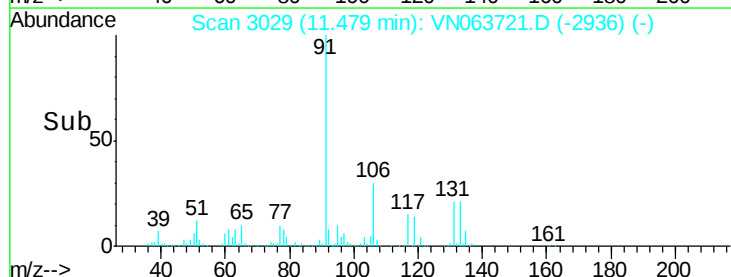
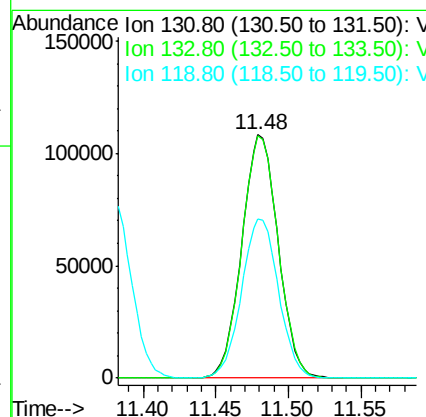
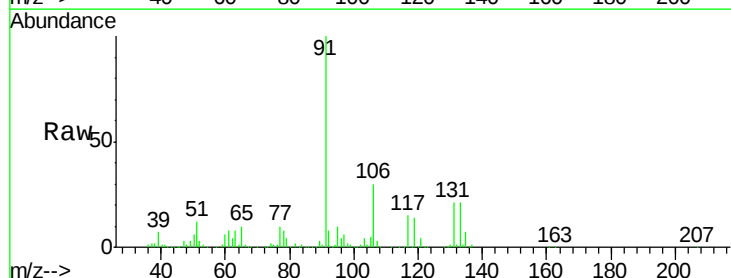
Manual Integrations
APPROVED

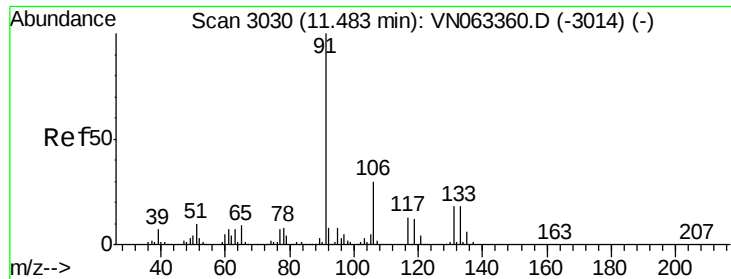
MMDadoda
9/30/2020 1:20:33 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 56.689 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN063721.D
Acq: 29 Sep 2020 12:18

Tgt Ion	Ratio	Lower	Upper
131	100		
133	99.5	47.3	141.9
119	65.7	33.6	100.8





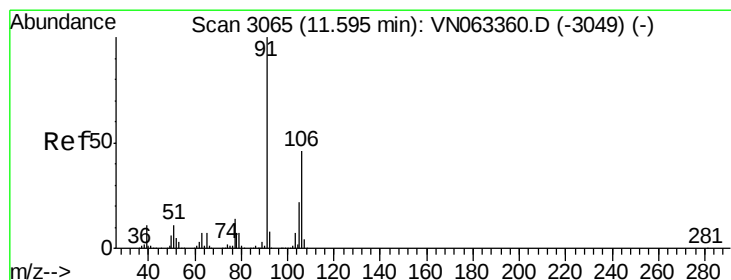
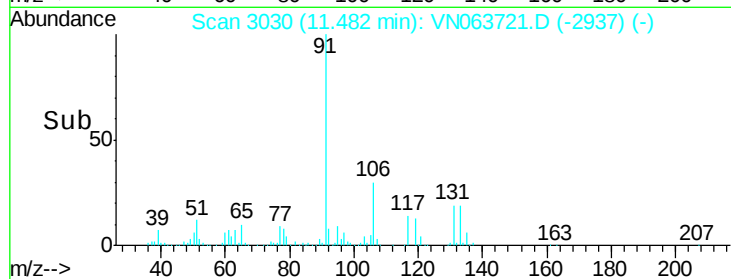
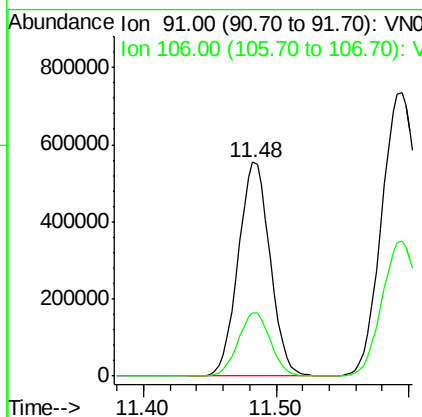
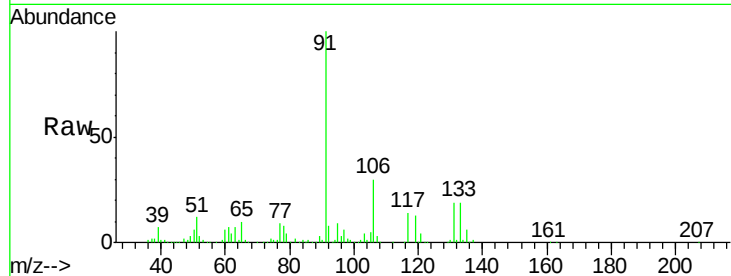
#67
Ethyl Benzene
Concen: 53.959 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN063721.D
Acq: 29 Sep 2020 12:18

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 923899
Ion Ratio Lower Upper
91 100
106 29.8 23.8 35.6

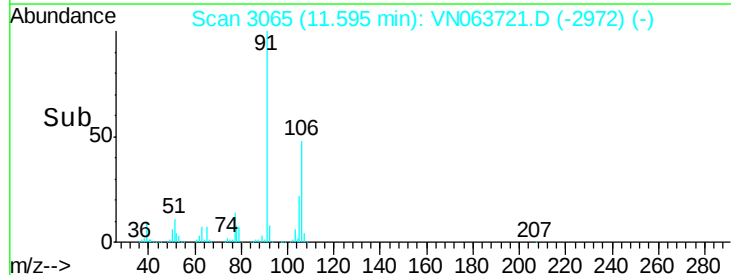
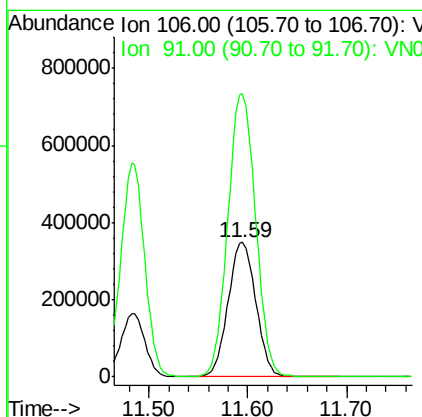
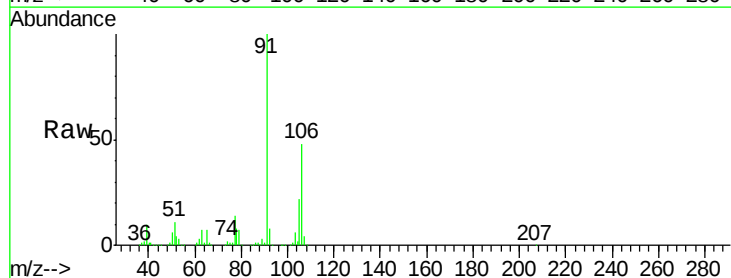
Manual Integrations
APPROVED

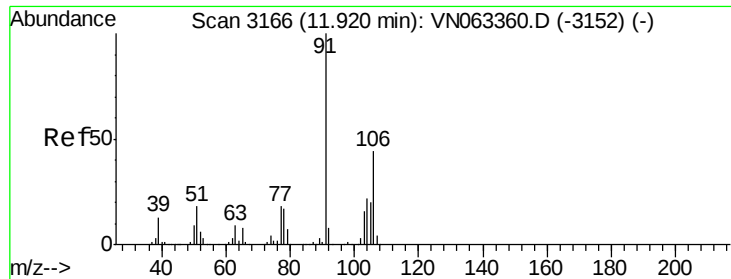
MMDadoda
9/30/2020 1:20:33 PM



#68
m/p-Xylenes
Concen: 111.004 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN063721.D
Acq: 29 Sep 2020 12:18

Tgt Ion: 106 Resp: 685272
Ion Ratio Lower Upper
106 100
91 210.5 171.2 256.8





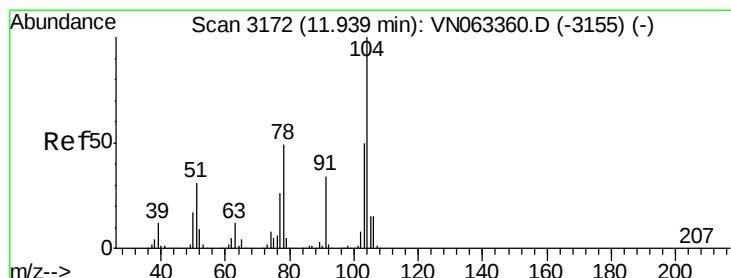
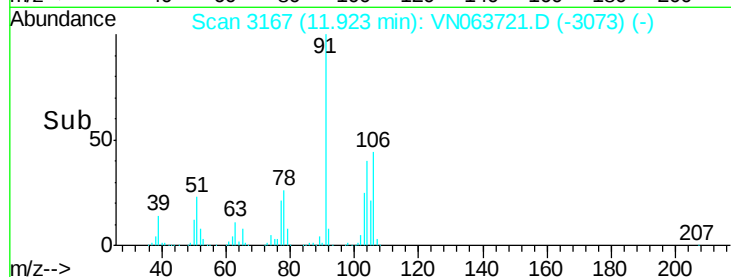
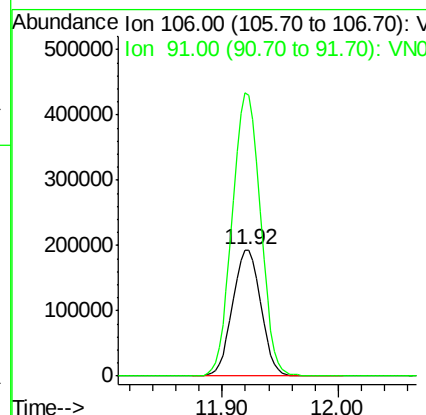
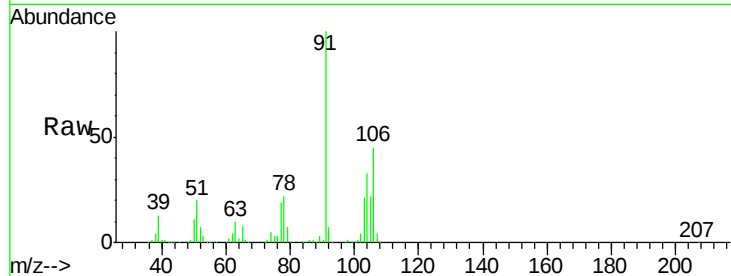
#69
o-Xylene
Concen: 55.441 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063721.D
Acq: 29 Sep 2020 12:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	326038		
91	91	224.7	113.6	340.8	

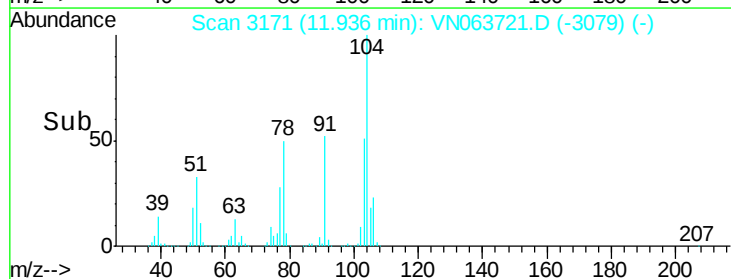
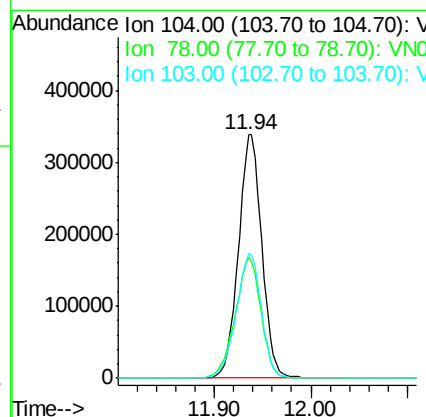
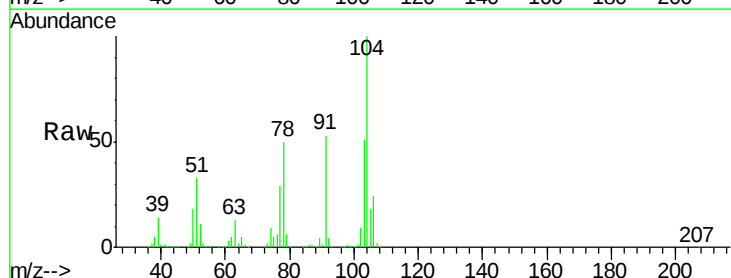
Manual Integrations
APPROVED

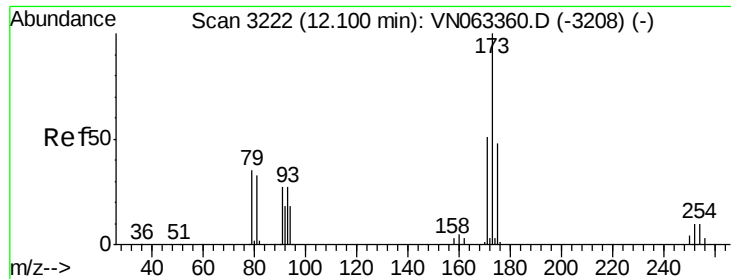
MMDadoda
9/30/2020 1:20:33 PM



#70
Styrene
Concen: 57.533 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN063721.D
Acq: 29 Sep 2020 12:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	567394		
78	78	54.6	44.4	66.6	
103	103	55.1	43.7	65.5	





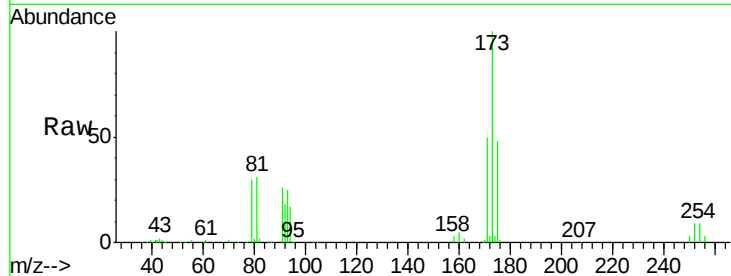
#71
Bromoform
Concen: 60.409 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN063721.D
Acq: 29 Sep 2020 12:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

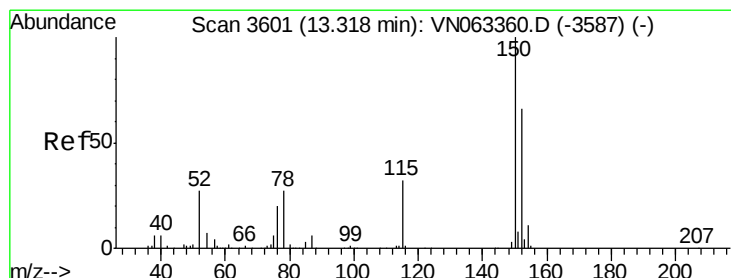
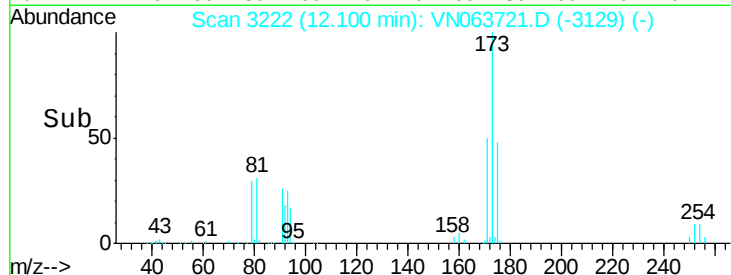
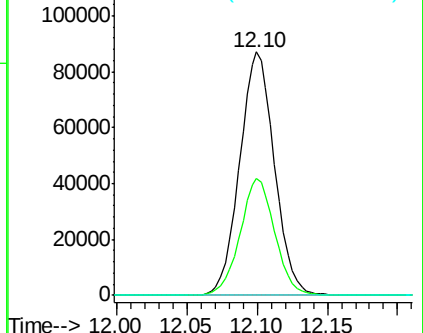
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.0	72.0
254	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
9/30/2020 1:20:33 PM

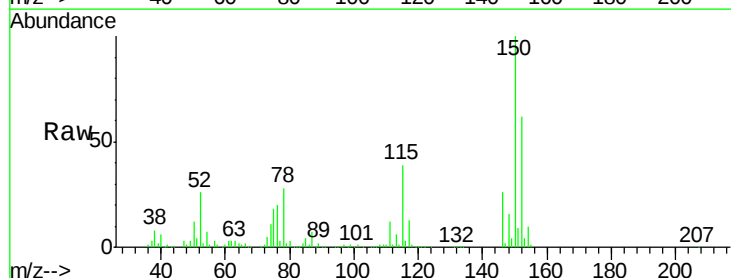


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

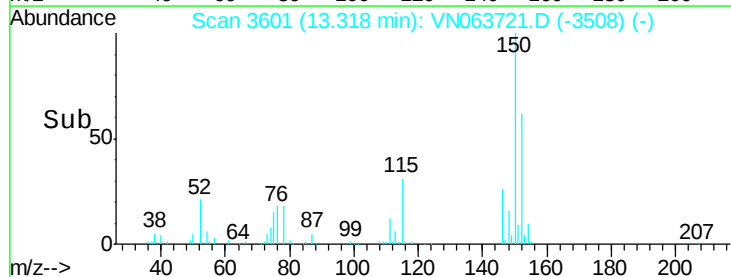
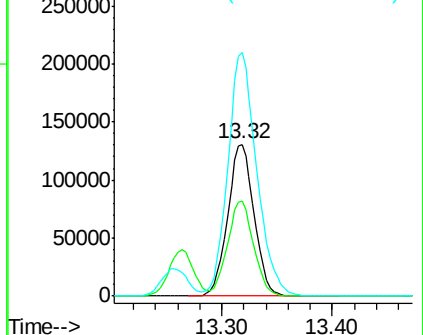


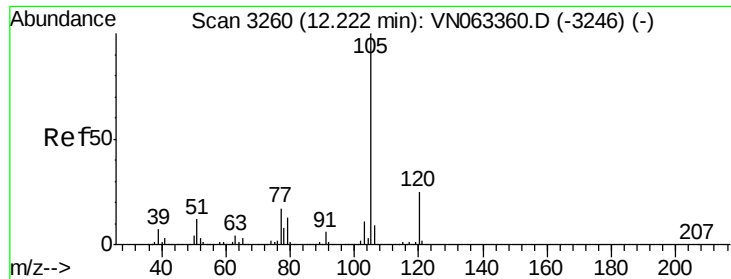
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. -0.00 min
Lab File: VN063721.D
Acq: 29 Sep 2020 12:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.2	32.2	96.6
150	176.0	0.0	343.4



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





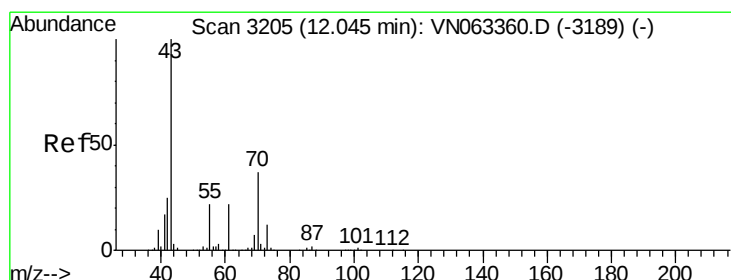
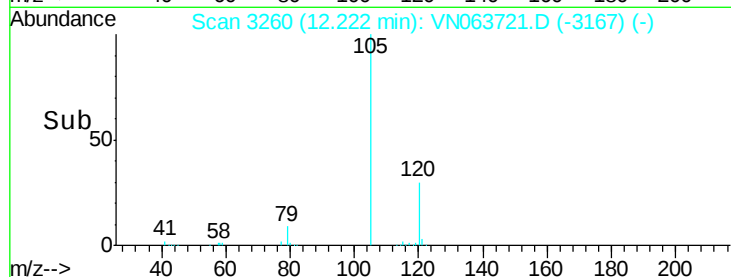
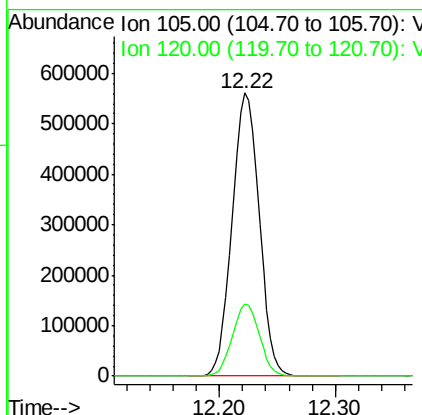
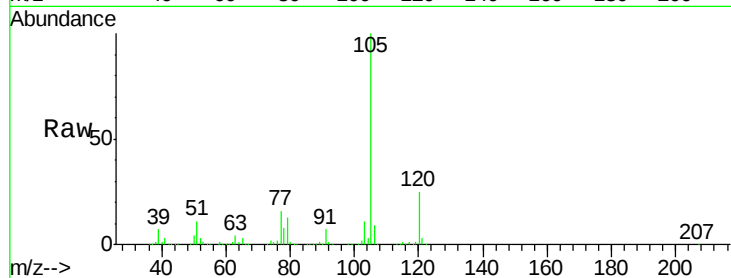
#73
Isopropylbenzene
Concen: 52.219 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. -0.00 min
Lab File: VN063721.D
Acq: 29 Sep 2020 12:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 105 Resp: 903915
Ion Ratio Lower Upper
105 100
120 25.3 12.7 38.0

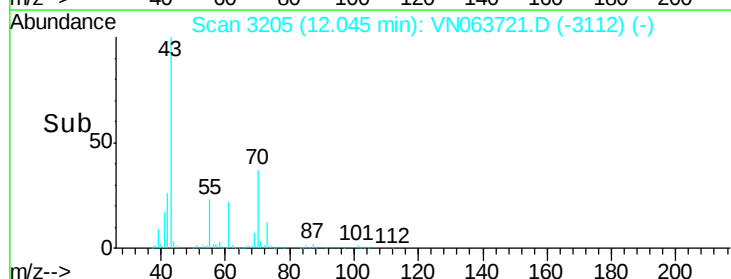
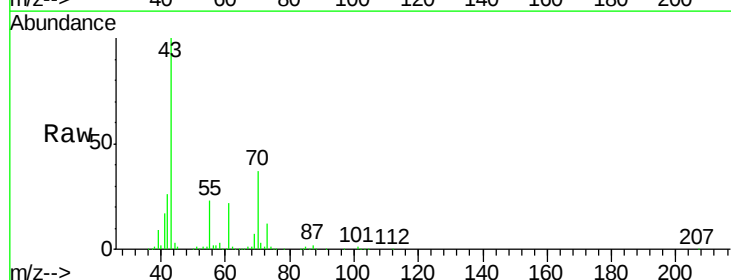
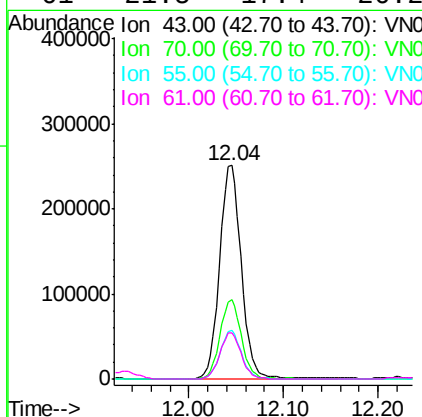
Manual Integrations
APPROVED

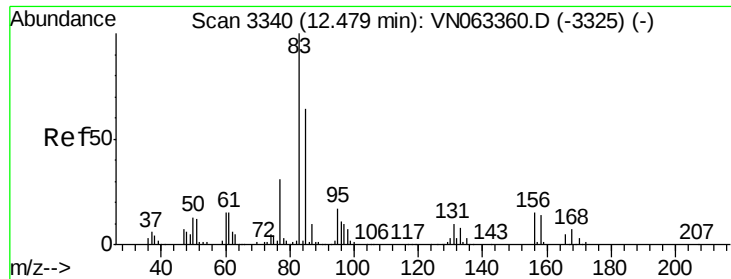
MMDadoda
9/30/2020 1:20:33 PM



#74
N-ethyl acetate
Concen: 48.776 ug/l
RT: 12.04 min Scan# 3205
Delta R.T. -0.00 min
Lab File: VN063721.D
Acq: 29 Sep 2020 12:18

Tgt Ion: 43 Resp: 399673
Ion Ratio Lower Upper
43 100
70 36.6 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: 49.385 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. -0.00 min

Lab File: VN063721.D

Acq: 29 Sep 2020 12:18

Instrument :

MSVOA_N

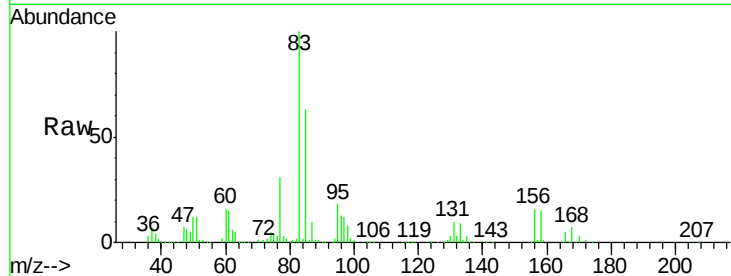
ClientSampleId :

VSTDCCC050

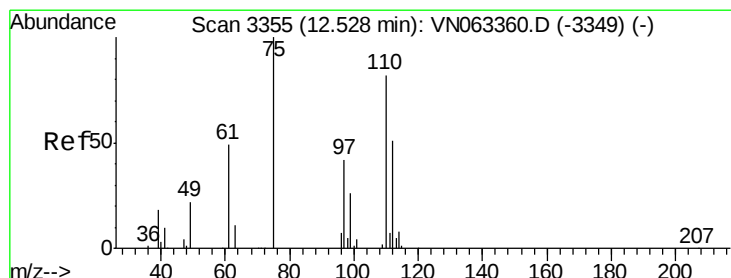
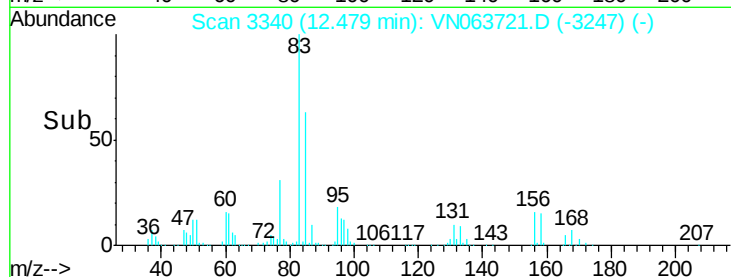
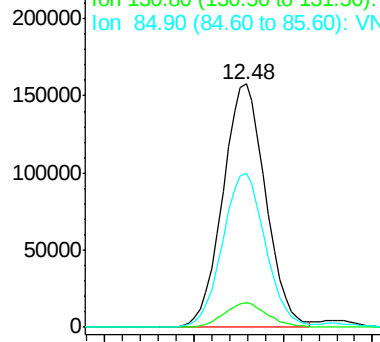
Tot Ion:	83	Resp:	264691
Ion Ratio	Lower	Upper	
83	100		
131	10.2	4.9	14.7
85	63.6	32.0	96.0

Manual Integrations
APPROVED

MMDadoda
9/30/2020 1:20:33 PM



Abundance Ion 82.90 (82.60 to 83.60): VN063721.D (-3247) (-)



#76

1,2,3-Trichloropropane

Concen: 46.229 ug/l m

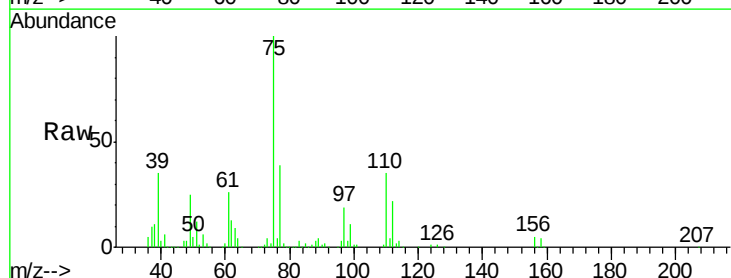
RT: 12.53 min Scan# 3355

Delta R.T. -0.00 min

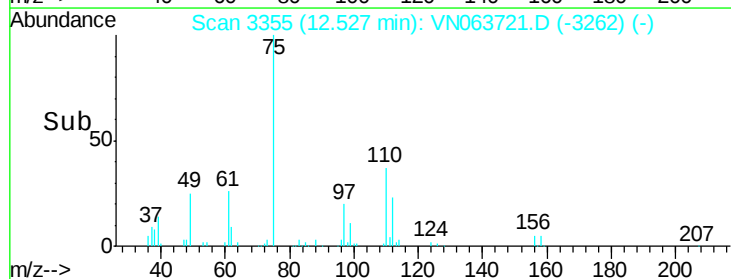
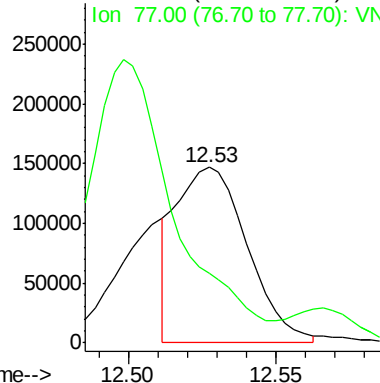
Lab File: VN063721.D

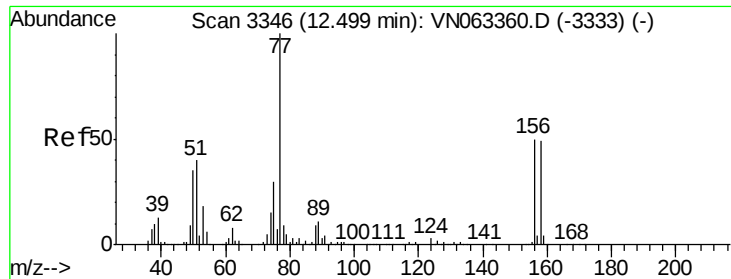
Acq: 29 Sep 2020 12:18

Tgt Ion:	75	Resp:	247166
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN063721.D (-3262) (-)





#77

Bromobenzene

Concen: 55.919 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN063721.D

Acq: 29 Sep 2020 12:18

Instrument :

MSVOA_N

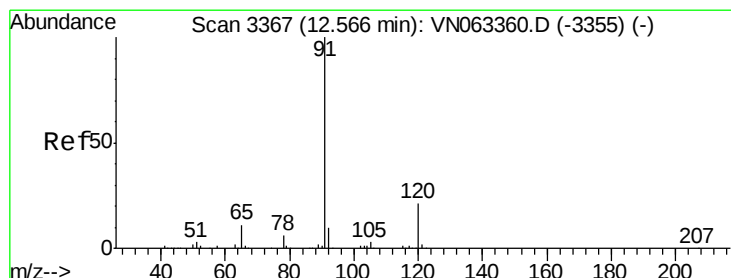
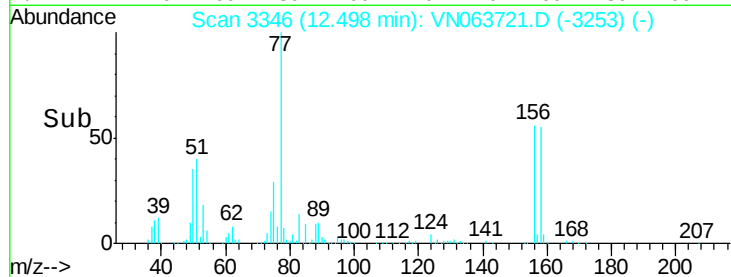
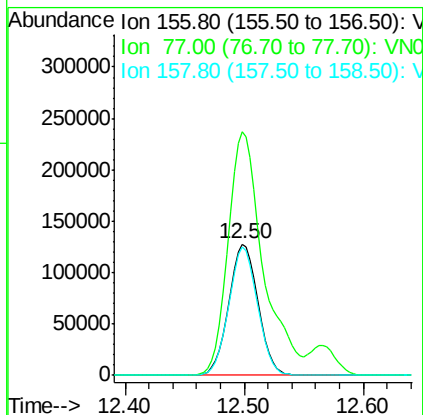
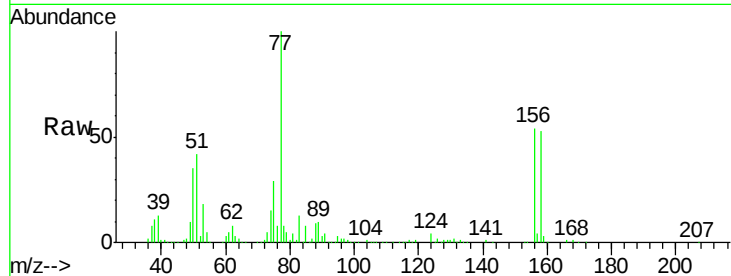
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	222.3	120.2	360.6
158	96.1	48.9	146.6

Manual Integrations
APPROVED

MMDadoda
9/30/2020 1:20:33 PM



#78

n-propylbenzene

Concen: 52.462 ug/l

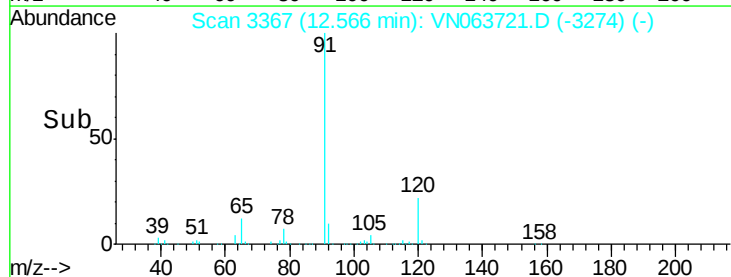
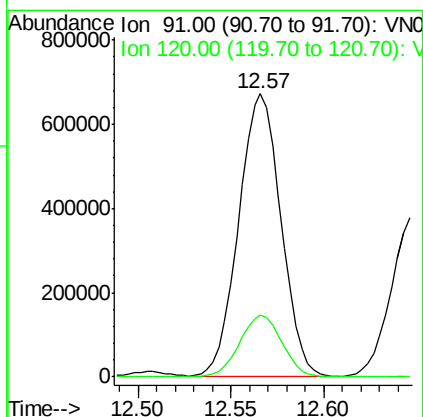
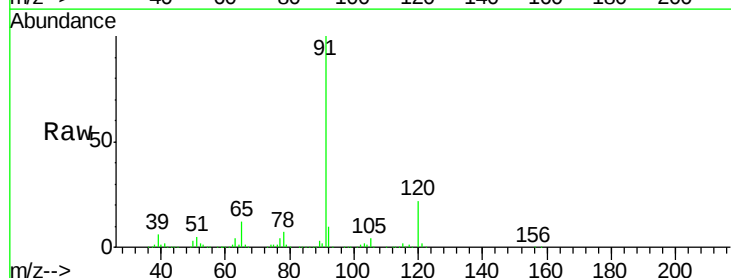
RT: 12.57 min Scan# 3367

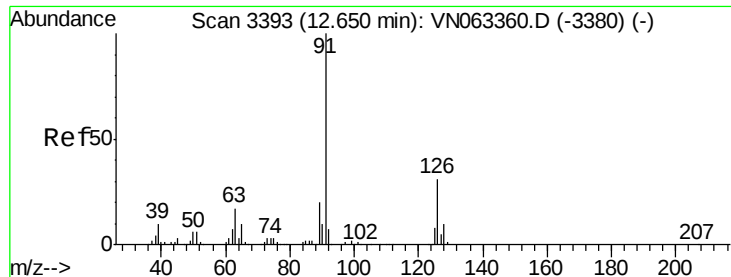
Delta R.T. -0.00 min

Lab File: VN063721.D

Acq: 29 Sep 2020 12:18

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.9	10.8	32.3





#79

2-Chlorotoluene

Concen: 51.951 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. -0.00 min

Lab File: VN063721.D

Acq: 29 Sep 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 627860

Ion Ratio Lower Upper

91 100

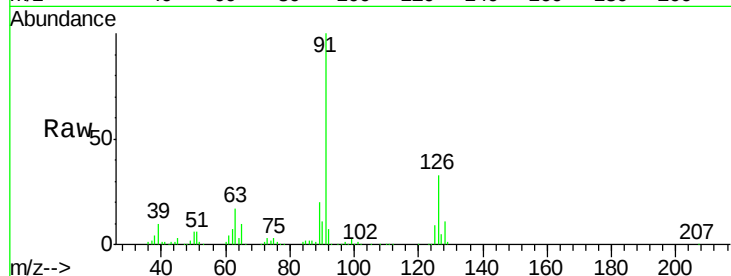
126 32.1 15.8 47.3

Manual Integrations

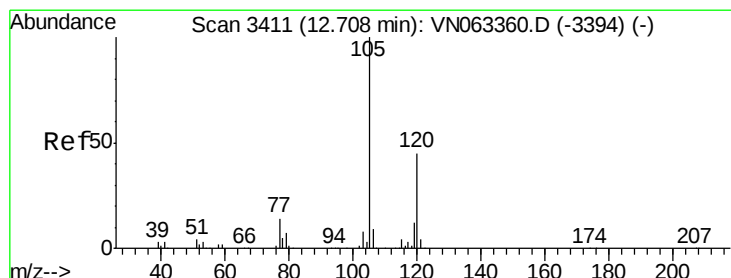
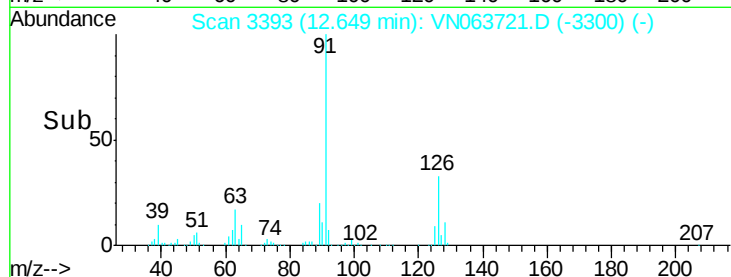
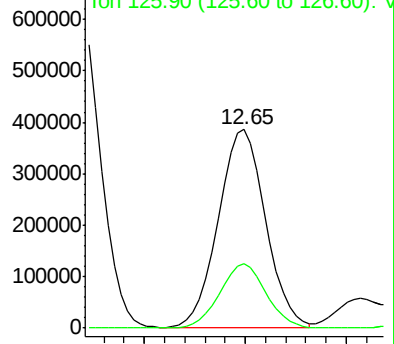
APPROVED

MMDadoda

9/30/2020 1:20:33 PM



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



#80

1,3,5-Trimethylbenzene

Concen: 52.586 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN063721.D

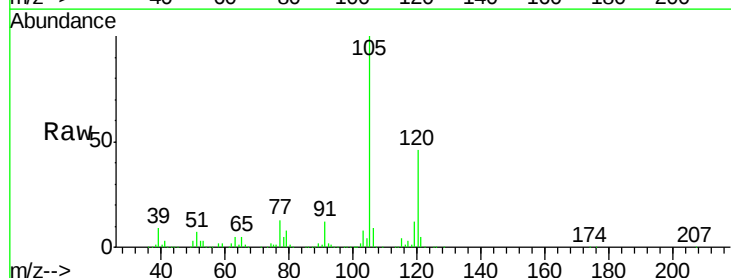
Acq: 29 Sep 2020 12:18

Tgt Ion: 105 Resp: 759040

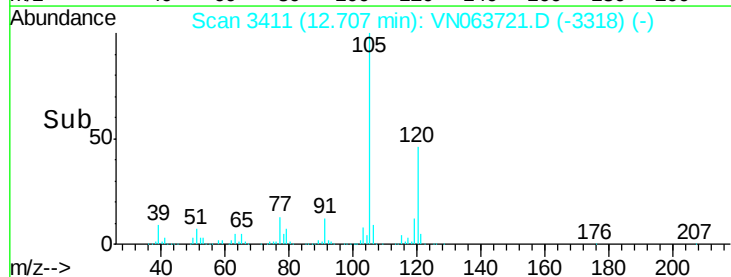
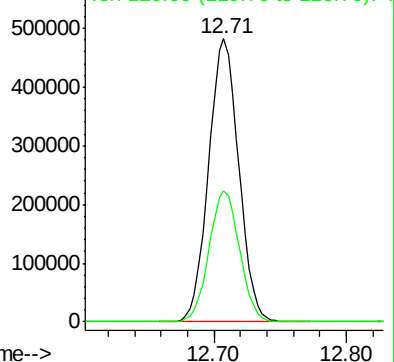
Ion Ratio Lower Upper

105 100

120 46.8 22.9 68.8



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





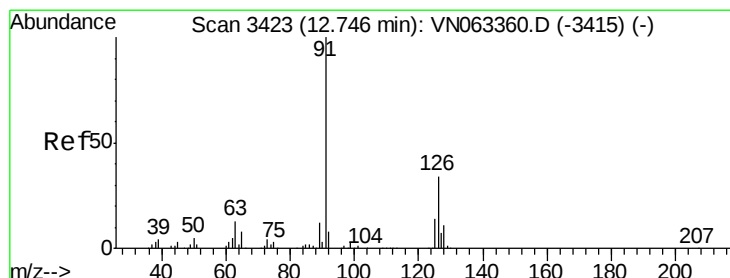
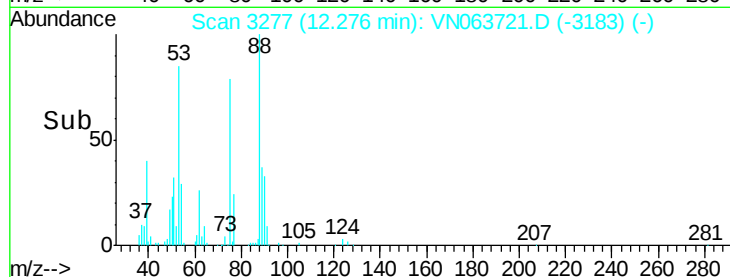
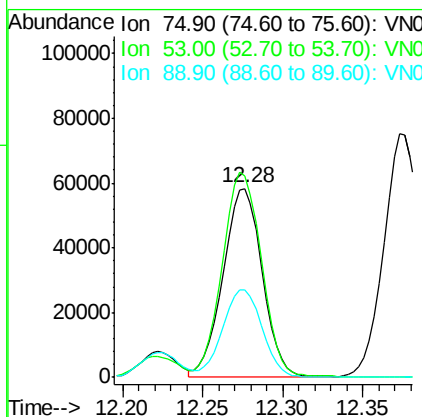
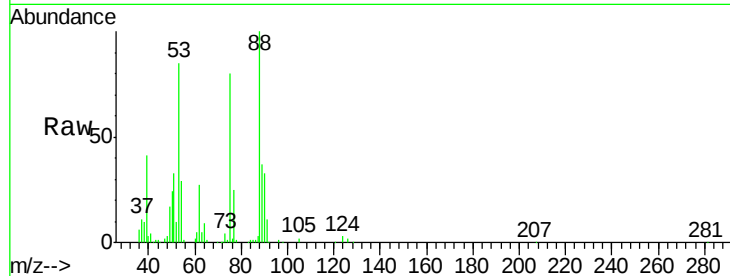
#81
trans-1,4-Dichloro-2-butene
Concen: 49.922 ug/l
RT: 12.28 min Scan# 3277
Delta R.T. 0.00 min
Lab File: VN063721.D
Acq: 29 Sep 2020 12:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	109.7	85.7	128.5
89	46.3	38.0	57.0

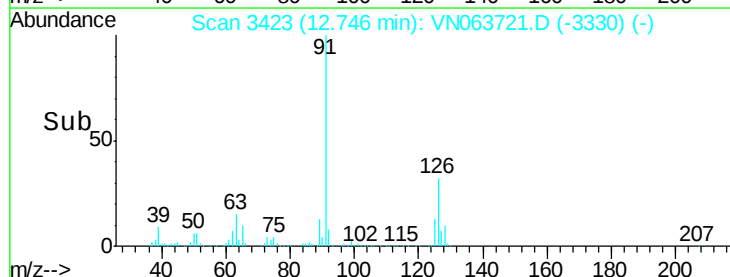
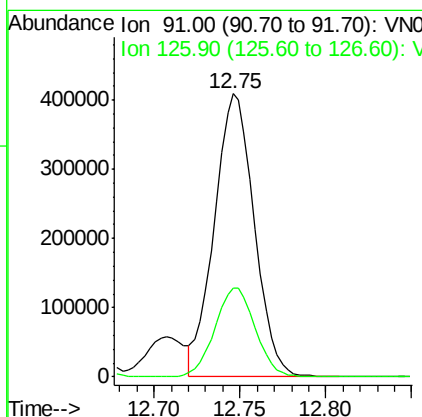
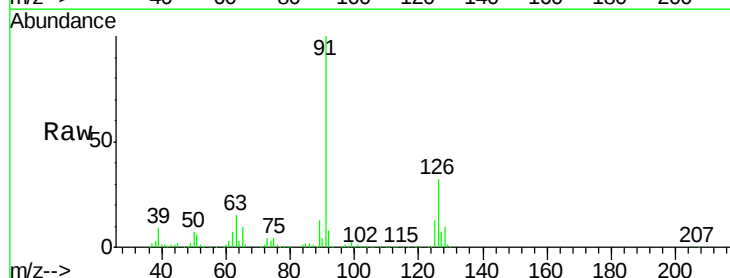
Manual Integrations
APPROVED

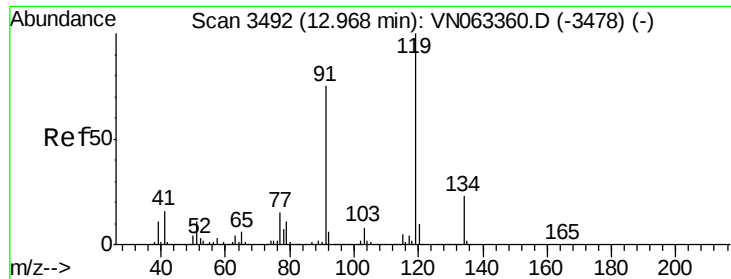
MMDadoda
9/30/2020 1:20:33 PM



#82
4-Chlorotoluene
Concen: 51.522 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. -0.00 min
Lab File: VN063721.D
Acq: 29 Sep 2020 12:18

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.1	15.5	46.5





#83

tert-Butylbenzene

Concen: 52.867 ug/l

RT: 12.97 min Scan# 3492

Delta R.T. -0.00 min

Lab File: VN063721.D

Acq: 29 Sep 2020 12:18

Instrument :

MSVOA_N

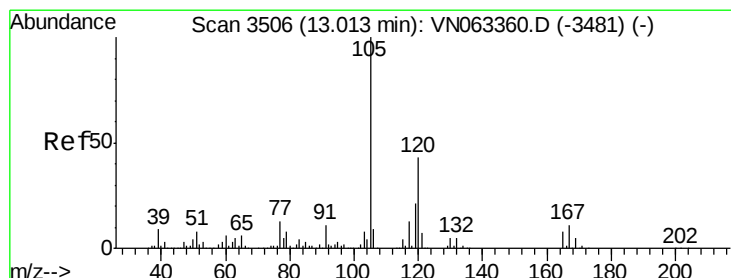
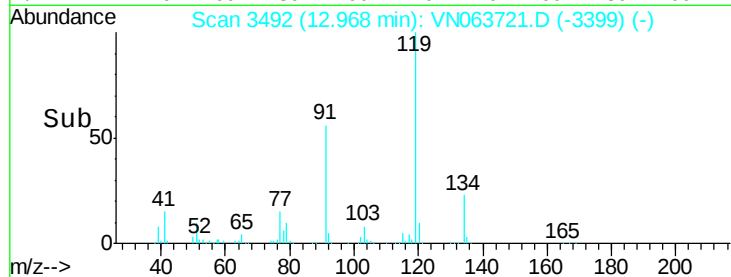
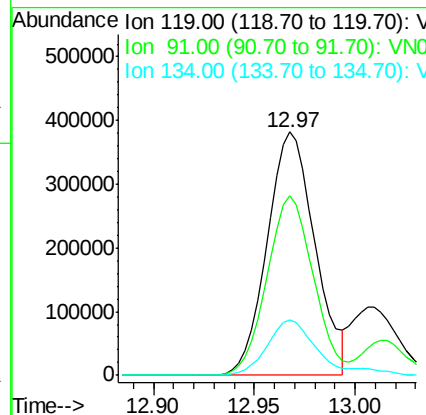
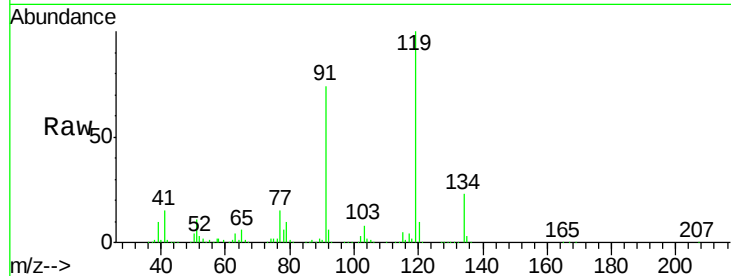
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	629816
Ion Ratio	Lower	Upper	
119	100		
91	71.7	36.3	108.9
134	24.5	12.3	36.8

Manual Integrations
APPROVED

MMDadoda
9/30/2020 1:20:33 PM



#84

1,2,4-Trimethylbenzene

Concen: 52.510 ug/l

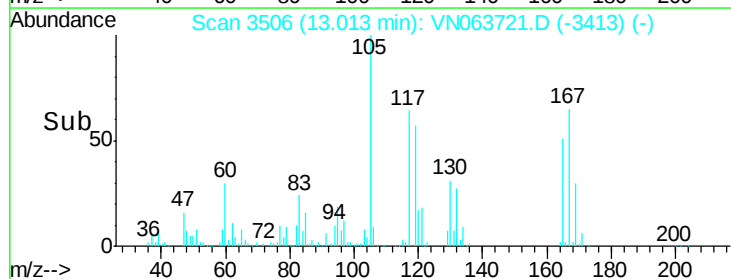
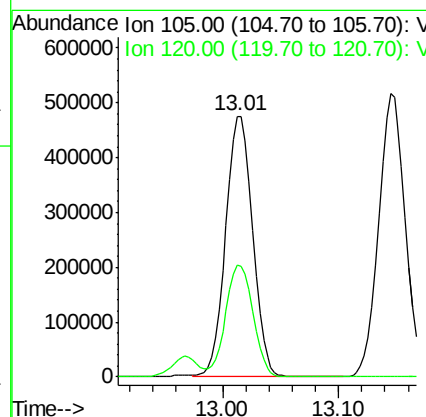
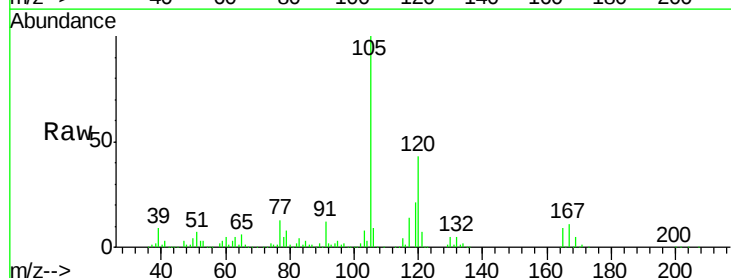
RT: 13.01 min Scan# 3506

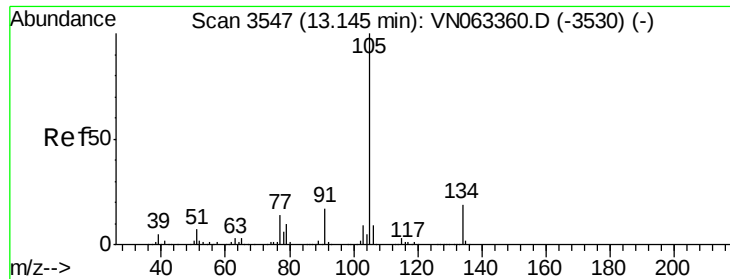
Delta R.T. -0.00 min

Lab File: VN063721.D

Acq: 29 Sep 2020 12:18

Tgt Ion:	105	Resp:	765585
Ion Ratio	Lower	Upper	
105	100		
120	43.4	21.3	63.9





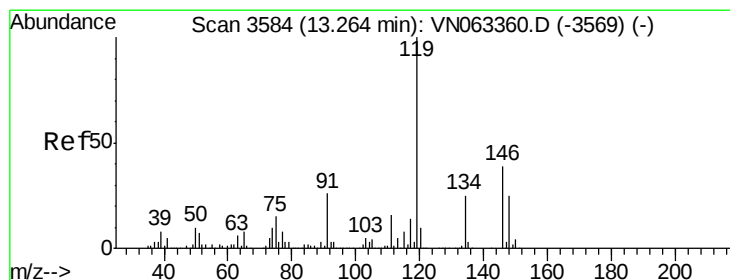
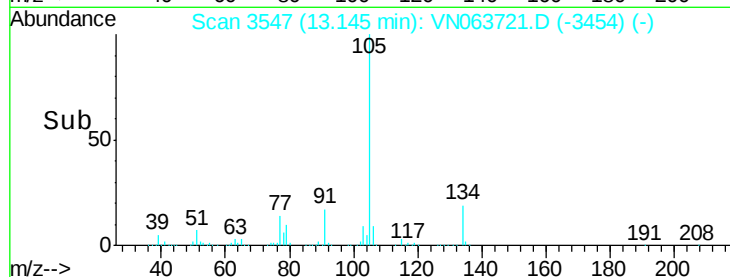
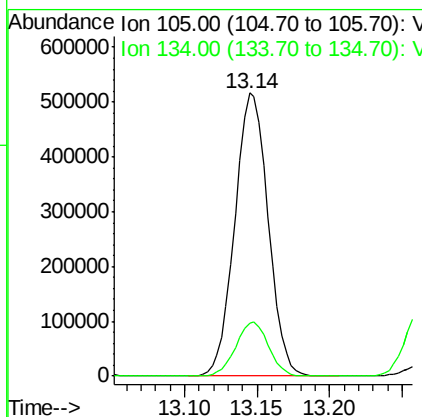
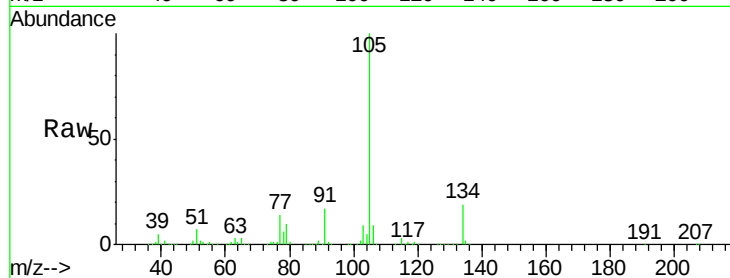
#85
 sec-Butylbenzene
 Concen: 51.734 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN063721.D
 Acq: 29 Sep 2020 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.8	9.3	27.7

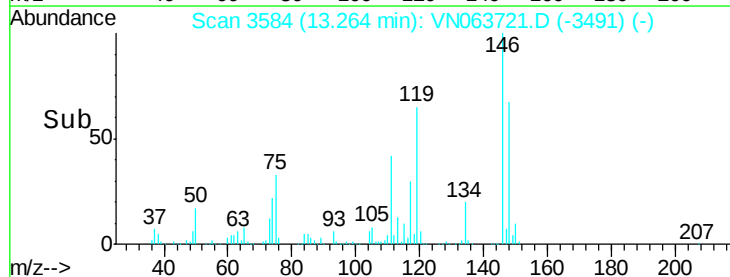
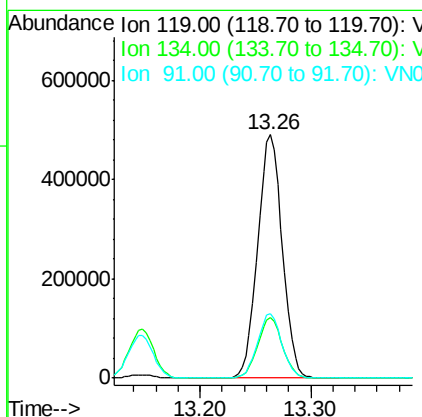
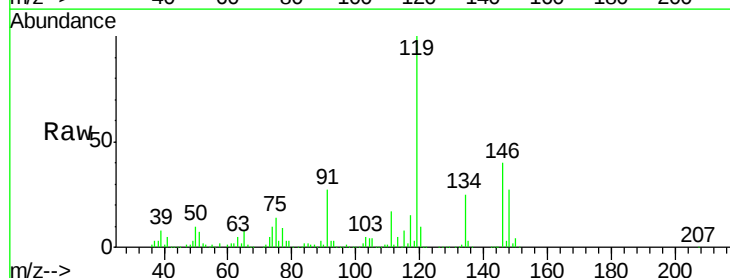
Manual Integrations
 APPROVED

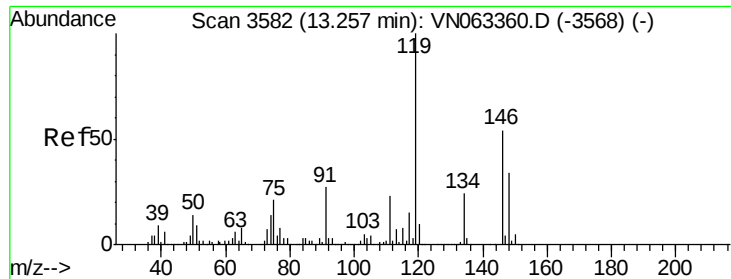
MMDadoda
 9/30/2020 1:20:33 PM



#86
 p-Isopropyltoluene
 Concen: 53.627 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. -0.00 min
 Lab File: VN063721.D
 Acq: 29 Sep 2020 12:18

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.0	12.5	37.5
91	26.2	13.4	40.1





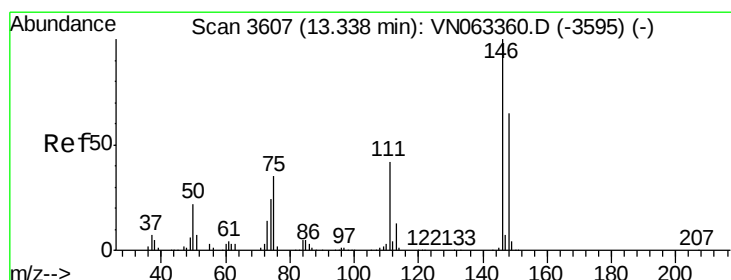
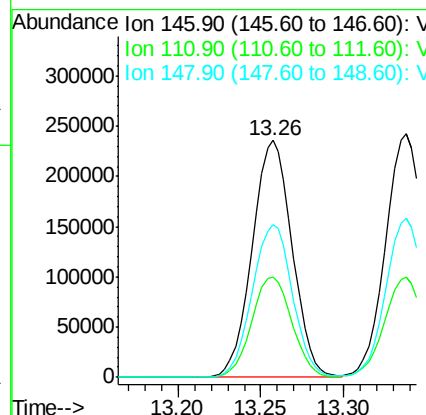
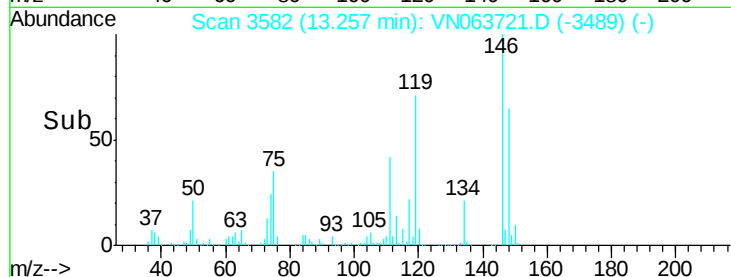
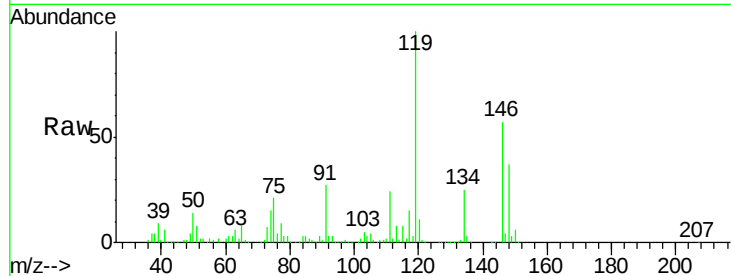
#87
 1,3-Dichlorobenzene
 Concen: 54.562 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN063721.D
 Acq: 29 Sep 2020 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.4	64.3
148	65.0	31.9	95.7

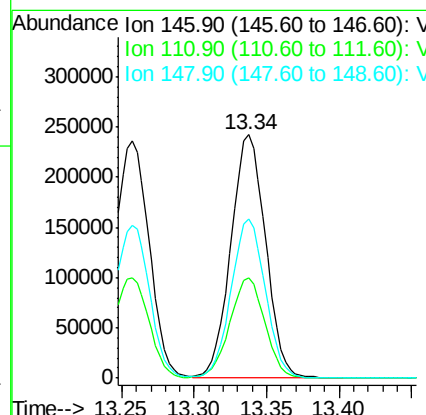
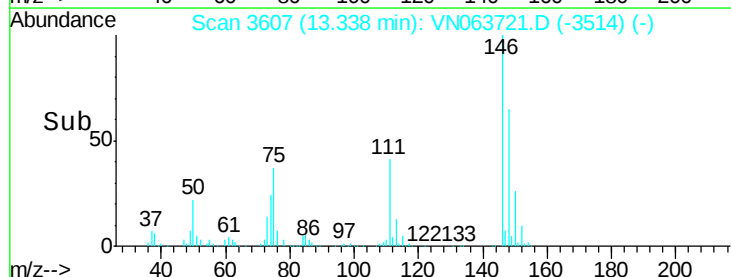
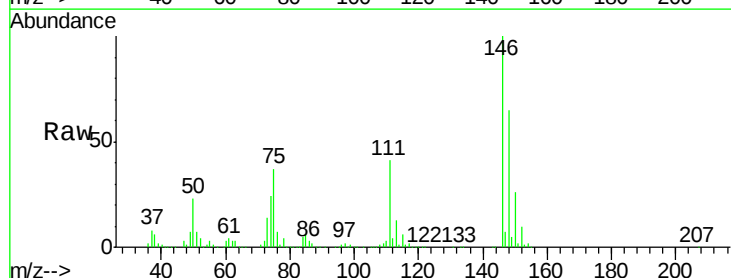
Manual Integrations
 APPROVED

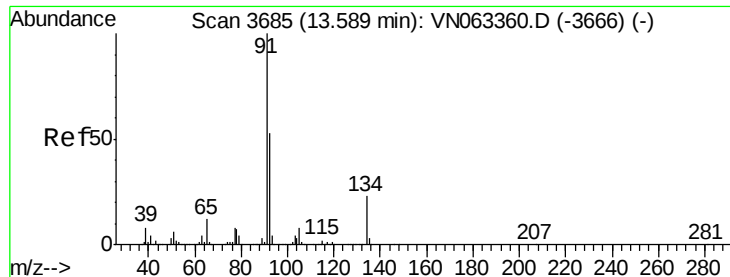
MMDadoda
 9/30/2020 1:20:33 PM



#88
 1,4-Dichlorobenzene
 Concen: 54.545 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN063721.D
 Acq: 29 Sep 2020 12:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	21.2	63.6
148	64.6	31.9	95.9





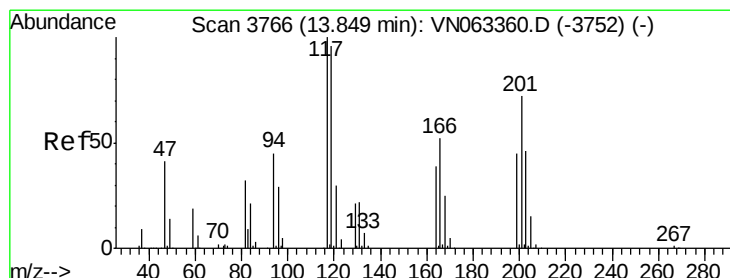
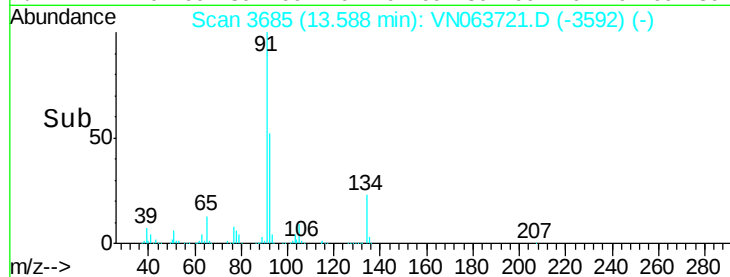
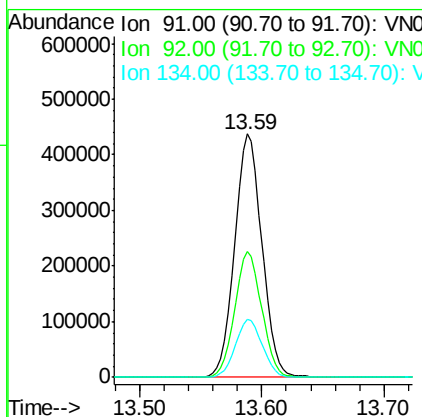
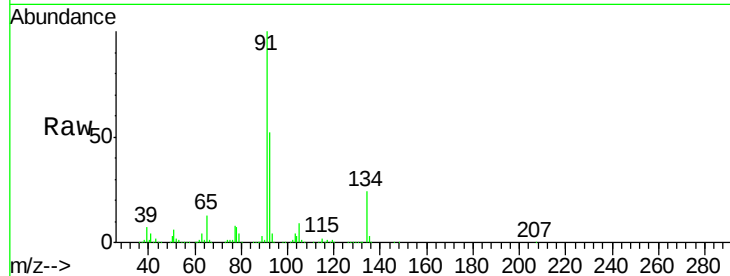
#89
n-Butylbenzene
Concen: 52.262 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN063721.D
Acq: 29 Sep 2020 12:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.9	26.0	78.0
134	23.7	11.7	35.0

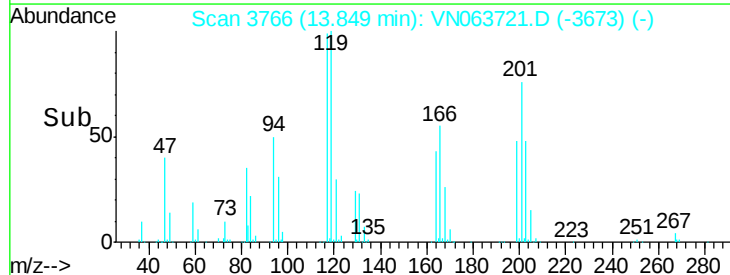
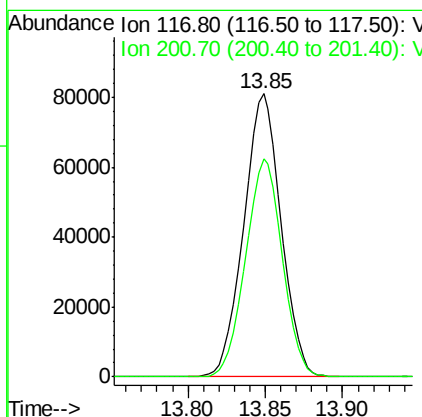
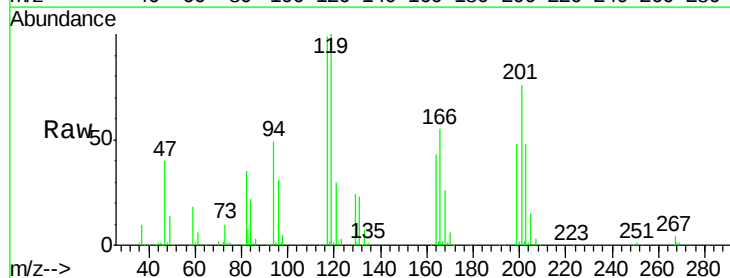
Manual Integrations
APPROVED

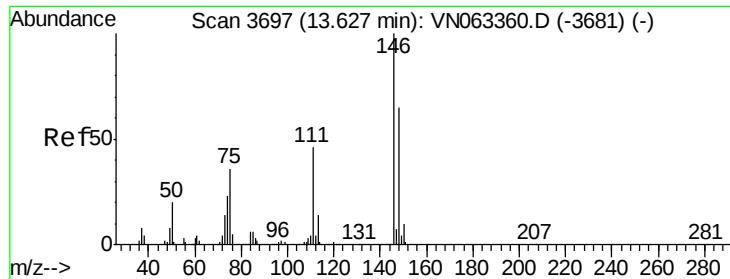
MMDadoda
9/30/2020 1:20:33 PM



#90
Hexachloroethane
Concen: 50.895 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN063721.D
Acq: 29 Sep 2020 12:18

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.6	35.5	106.7





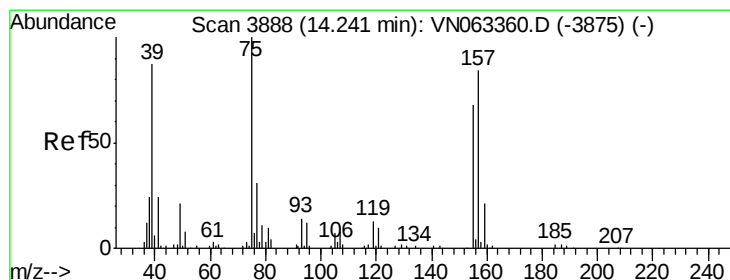
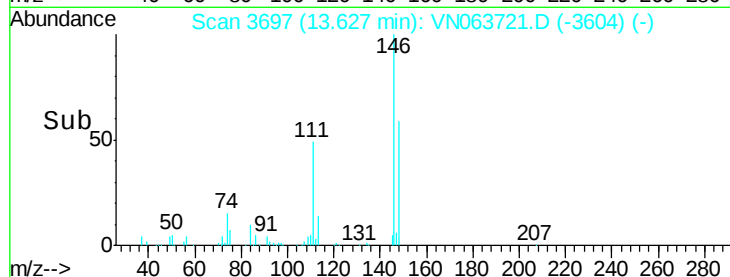
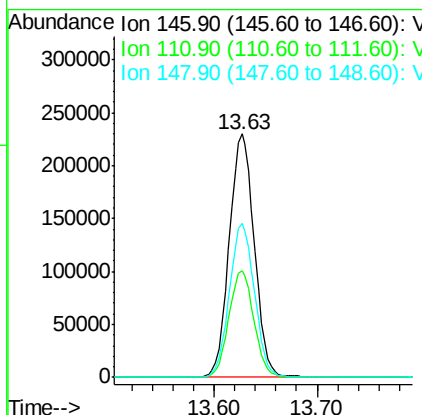
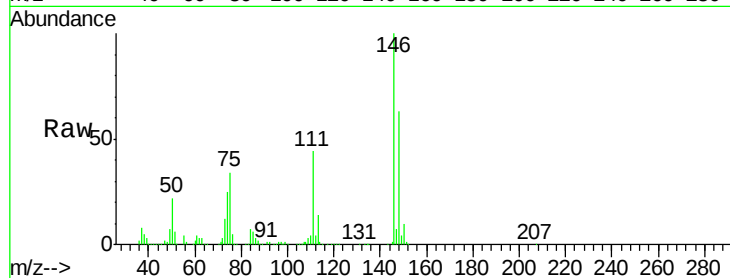
#91
 1,2-Dichlorobenzene
 Concen: 54.909 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN063721.D
 Acq: 29 Sep 2020 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.8	22.4	67.2
148	63.3	32.0	96.0

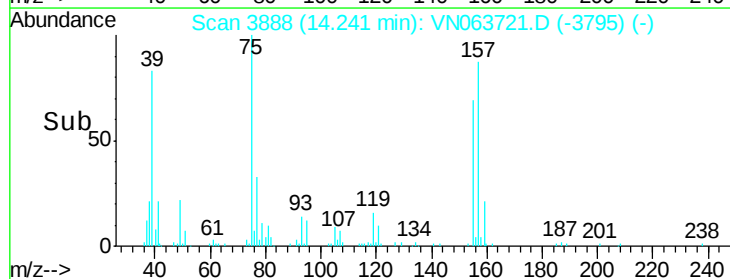
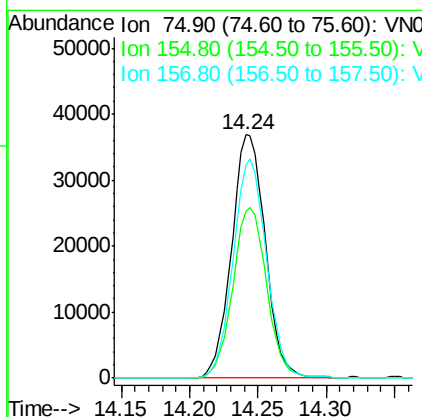
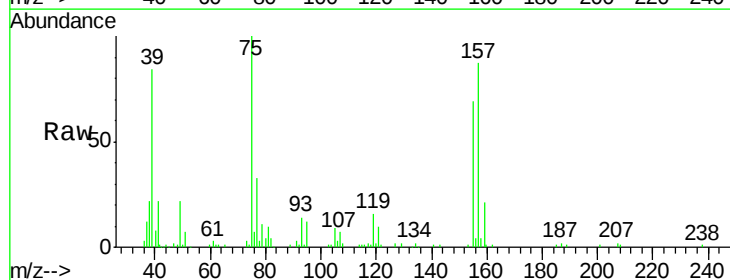
Manual Integrations
 APPROVED

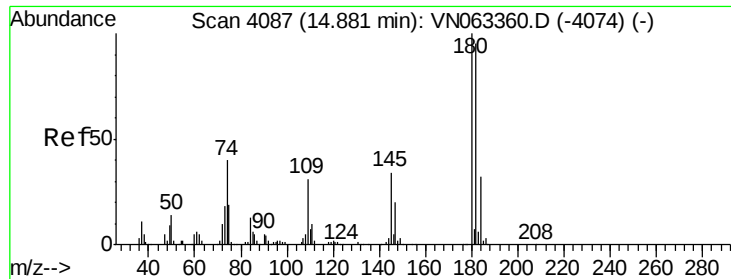
MMDadoda
 9/30/2020 1:20:33 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.581 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN063721.D
 Acq: 29 Sep 2020 12:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.4	34.6	103.9
157	89.0	43.7	131.1





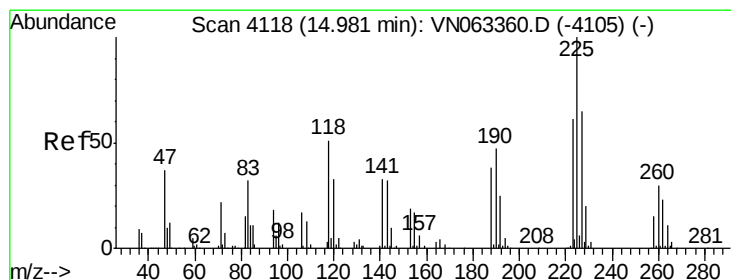
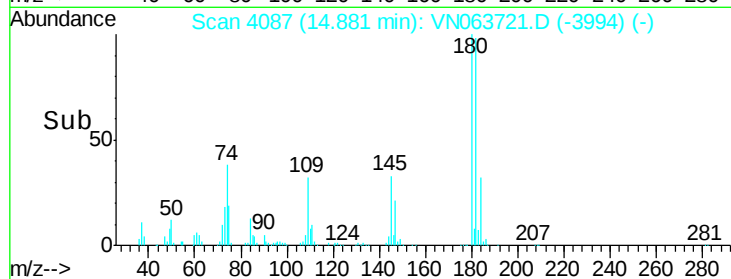
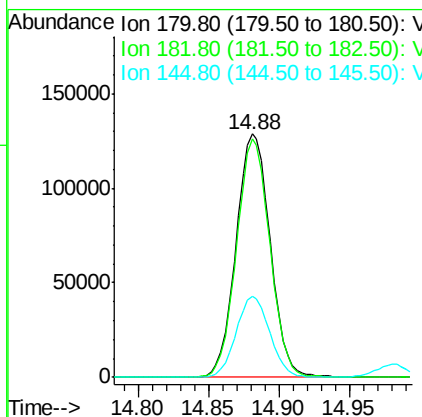
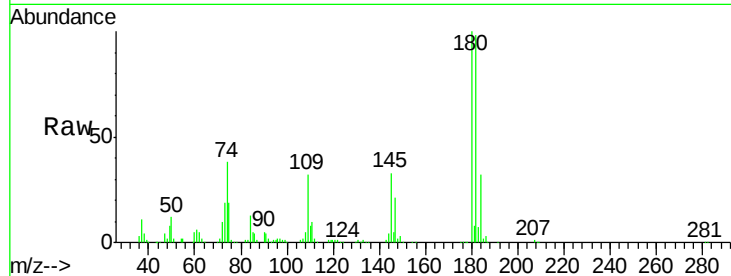
#93
 1,2,4-Trichlorobenzene
 Concen: 52.368 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN063721.D
 Acq: 29 Sep 2020 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	218749		
182	95.9	47.3	142.0	
145	32.6	16.6	49.7	

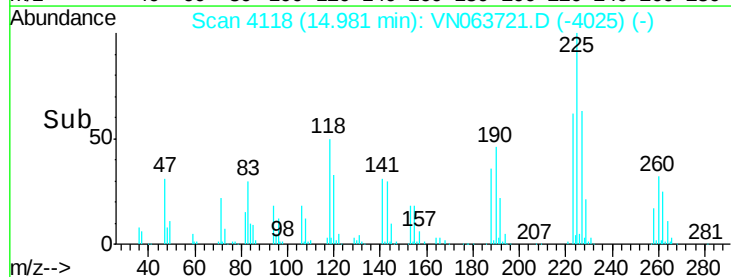
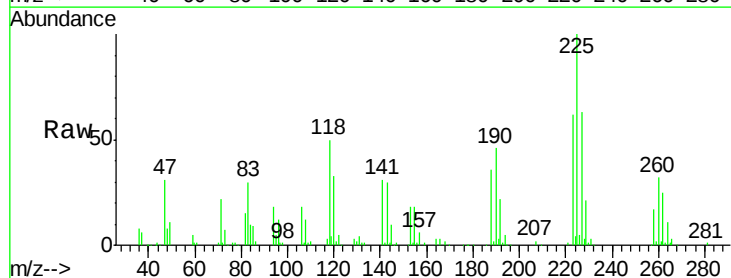
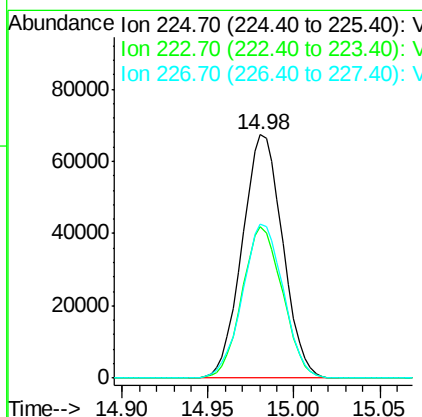
Manual Integrations
 APPROVED

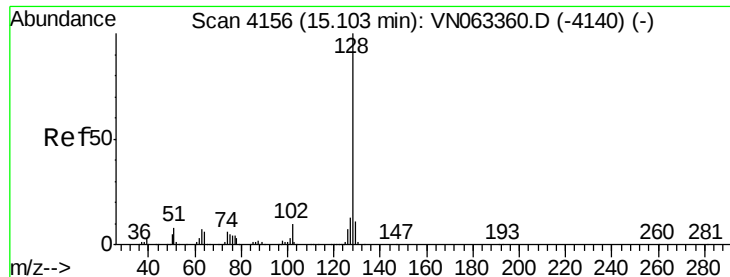
MMDadoda
 9/30/2020 1:20:33 PM



#94
 Hexachlorobutadiene
 Concen: 63.567 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN063721.D
 Acq: 29 Sep 2020 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	109926		
223	62.0	30.6	91.6	
227	64.1	31.2	93.6	





#95

Naphthalene

Concen: 47.868 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. -0.00 min

Lab File: VN063721.D

Acq: 29 Sep 2020 12:18

Instrument :

MSVOA_N

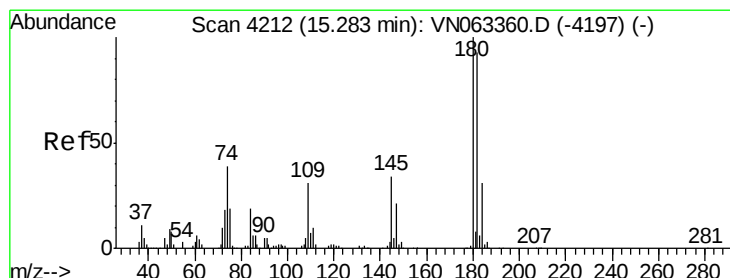
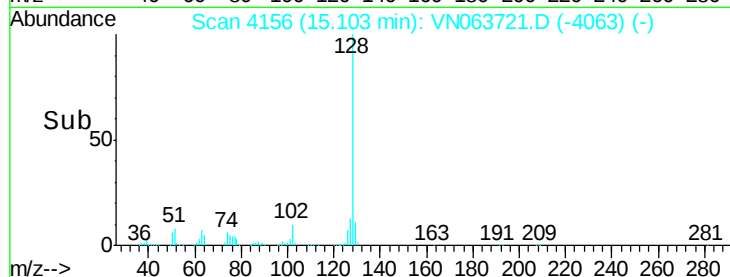
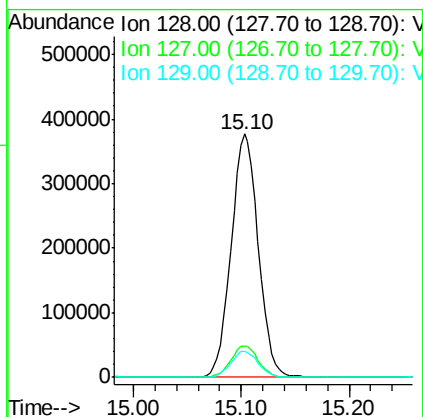
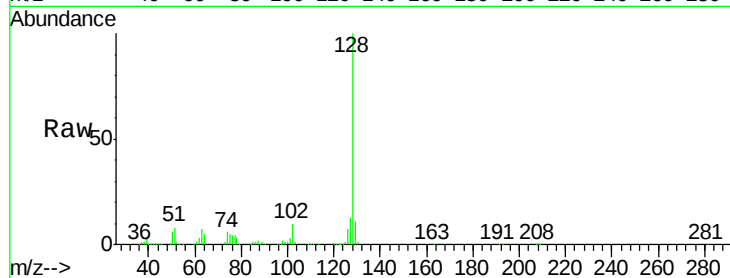
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	660598
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.6	15.8
129	10.9	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
9/30/2020 1:20:33 PM



#96

1,2,3-Trichlorobenzene

Concen: 52.155 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN063721.D

Acq: 29 Sep 2020 12:18

Tgt Ion:	180	Resp:	210500
Ion Ratio	Lower	Upper	
180	100		
182	95.8	46.7	140.1
145	33.7	16.8	50.3

